

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031220\
 Data File : VD065496.D
 Acq On : 12 Mar 2020 21:09
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 12:07:03 PM

Quant Time: Mar 13 05:00:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	431212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	641083	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	599697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	303910	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	193451	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
35) Dibromofluoromethane	7.92	113	204724	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
50) Toluene-d8	10.34	98	773553	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.64	95	255164	54.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	155189	41.875	ug/l	99
3) Chloromethane	2.21	50	203922	45.577	ug/l	99
4) Vinyl Chloride	2.35	62	202534	45.893	ug/l	100
5) Bromomethane	2.77	94	132444	53.936	ug/l	90
6) Chloroethane	2.93	64	130813	48.398	ug/l	99
7) Trichlorofluoromethane	3.27	101	305657	47.004	ug/l	99
8) Diethyl Ether	3.70	74	103330	53.434	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	198583	47.416	ug/l	99
10) Methyl Iodide	4.29	142	229137	52.663	ug/l	98
11) Tert butyl alcohol	5.25	59	61823	291.385	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	189676	47.297	ug/l	99
13) Acrolein	3.93	56	97308	265.933	ug/l	100
14) Allyl chloride	4.71	41	305780	49.635	ug/l	100
15) Acrylonitrile	5.43	53	229795	273.147	ug/l	99
16) Acetone	4.17	43	160881	215.060	ug/l	96
17) Carbon Disulfide	4.40	76	610951	45.746	ug/l	99
18) Methyl Acetate	4.72	43	101297	53.382	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	437776	56.765	ug/l	96
20) Methylene Chloride	4.96	84	232233	57.698	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	226940	50.870	ug/l	98
22) Diisopropyl ether	6.37	45	652106	56.942	ug/l	97
23) Vinyl Acetate	6.31	43	1840375	289.422	ug/l	99
24) 1,1-Dichloroethane	6.27	63	388882	52.941	ug/l	99
25) 2-Butanone	7.22	43	266817	261.365	ug/l	95
26) 2,2-Dichloropropane	7.21	77	308985	48.135	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	245654	53.872	ug/l	98
28) Bromochloromethane	7.55	49	164845	56.091	ug/l	98
29) Tetrahydrofuran	7.57	42	186063	285.402	ug/l	99
30) Chloroform	7.71	83	401252	54.651	ug/l	95
31) Cyclohexane	7.98	56	335405	45.664	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	344958	50.842	ug/l	100
36) 1,1-Dichloropropene	8.11	75	304708	49.585	ug/l	99
37) Ethyl Acetate	7.30	43	129281	54.429	ug/l	98
38) Carbon Tetrachloride	8.10	117	314985	49.430	ug/l	95

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	355804	47.939	ug/l	95
40) Benzene	8.36	78	908201	52.859	ug/l	100
41) Methacrylonitrile	7.53	41	61580	49.023	ug/l	98
42) 1,2-Dichloroethane	8.43	62	245770	54.779	ug/l	100
43) Isopropyl Acetate	8.46	43	235320	53.656	ug/l	99
44) Trichloroethene	9.11	130	248984	51.314	ug/l	98
45) 1,2-Dichloropropane	9.39	63	228137	54.815	ug/l	96
46) Dibromomethane	9.48	93	119727	55.459	ug/l	99
47) Bromodichloromethane	9.67	83	306893	54.643	ug/l	98
48) Methyl methacrylate	9.46	41	116477m	56.461	ug/l	
49) 1,4-Dioxane	9.47	88	28113	1138.458	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	634029	287.285	ug/l	99
52) Toluene	10.41	92	585041	54.051	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	286632	54.612	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	351073	55.261	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	171458	56.075	ug/l	99
56) Ethyl methacrylate	10.67	69	201155	58.356	ug/l	100
57) 1,3-Dichloropropane	10.95	76	288271	55.721	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	269610	250.253	ug/l	99
59) 2-Hexanone	10.99	43	425120	278.265	ug/l	99
60) Dibromochloromethane	11.14	129	221561	56.529	ug/l	100
61) 1,2-Dibromoethane	11.25	107	162370	55.672	ug/l	98
64) Tetrachloroethene	10.88	164	213480	49.679	ug/l	95
65) Chlorobenzene	11.67	112	622933	52.491	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	235328	54.447	ug/l	97
67) Ethyl Benzene	11.75	91	1097658	53.530	ug/l	99
68) m/p-Xylenes	11.86	106	850400	107.555	ug/l	100
69) o-Xylene	12.18	106	382990	55.067	ug/l	99
70) Styrene	12.20	104	687474	56.165	ug/l	99
71) Bromoform	12.37	173	129633	53.397	ug/l #	100
73) Isopropylbenzene	12.48	105	1035279	51.791	ug/l	100
74) N-amyl acetate	12.30	43	220555	53.894	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	182984	52.077	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	119714m	49.920	ug/l	
77) Bromobenzene	12.77	156	258973	52.145	ug/l	99
78) n-propylbenzene	12.83	91	1222360	51.538	ug/l	100
79) 2-Chlorotoluene	12.91	91	685007	51.246	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	865778	52.683	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	55551	48.884	ug/l	97
82) 4-Chlorotoluene	13.01	91	724887	51.607	ug/l	99
83) tert-Butylbenzene	13.23	119	721956	51.928	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	868582	53.619	ug/l	99
85) sec-Butylbenzene	13.41	105	1002491	50.515	ug/l	99
86) p-Isopropyltoluene	13.53	119	938691	51.836	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	495533	51.897	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	484133	50.972	ug/l	100
89) n-Butylbenzene	13.86	91	858487	51.278	ug/l	99
90) Hexachloroethane	14.12	117	182804	49.018	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	425123	52.320	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27507	51.403	ug/l	98

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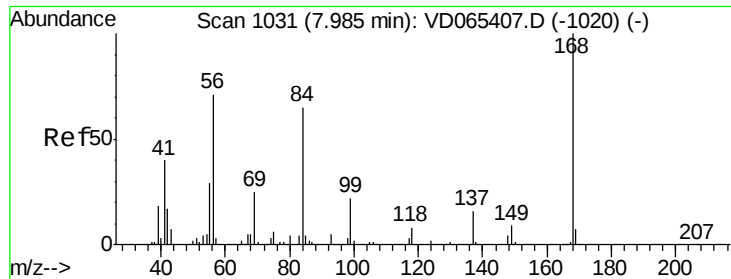
Manual Integrations
APPROVED

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3/16/2020 12:07:03 PM

Quant Time: Mar 13 05:00:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	292478	53.108	ug/l	100
94) Hexachlorobutadiene	15.28	225	176071	48.657	ug/l	97
95) Naphthalene	15.41	128	488333	49.773	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	259554	54.540	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 431212

Ion Ratio Lower Upper

168 100

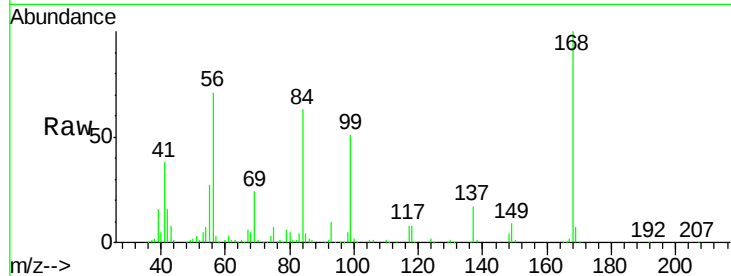
99 50.9 41.5 62.3

Manual Integrations

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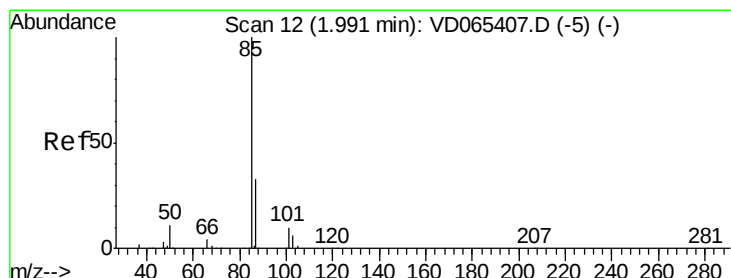
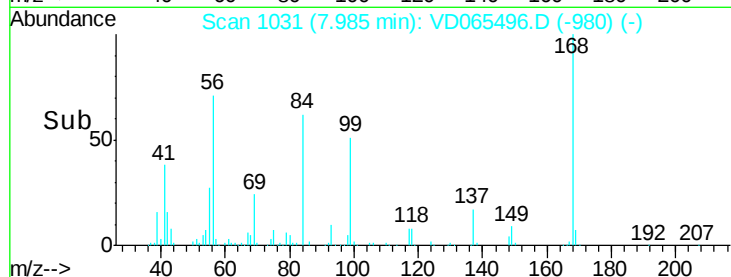
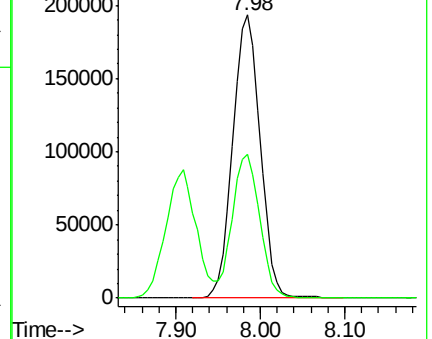
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 41.875 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065496.D

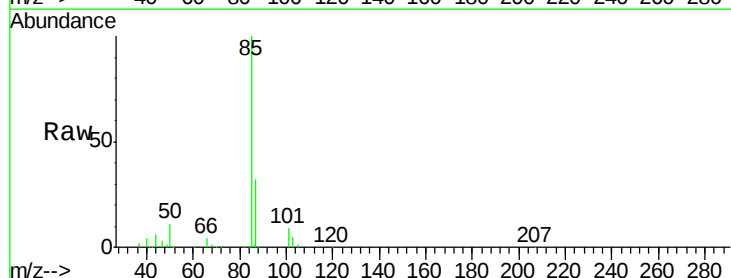
Acq: 12 Mar 2020 21:09

Tgt Ion: 85 Resp: 155189

Ion Ratio Lower Upper

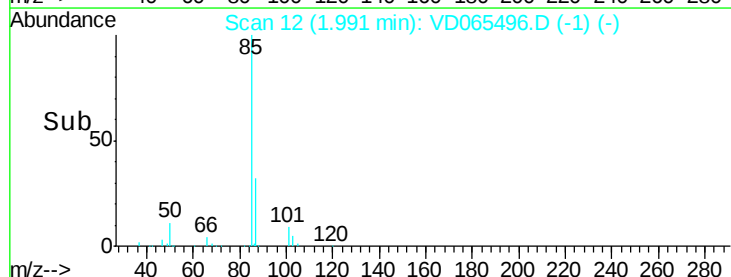
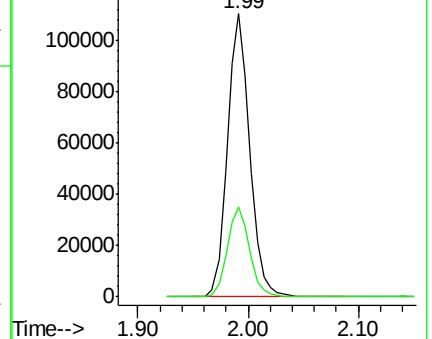
85 100

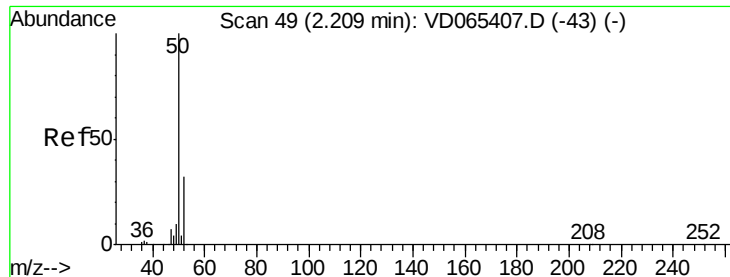
87 32.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.577 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 203922

Ion Ratio Lower Upper

50 100

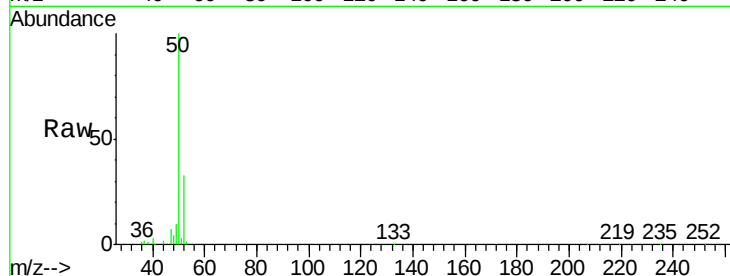
52 32.9 25.8 38.8

Manual Integrations

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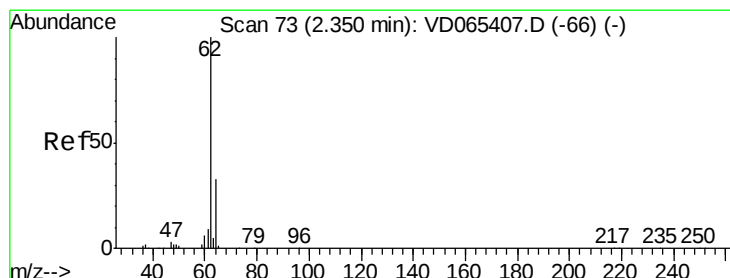
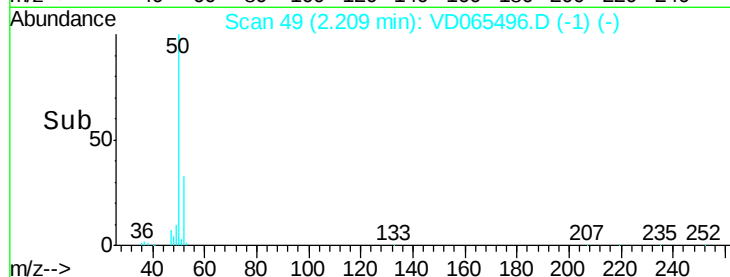
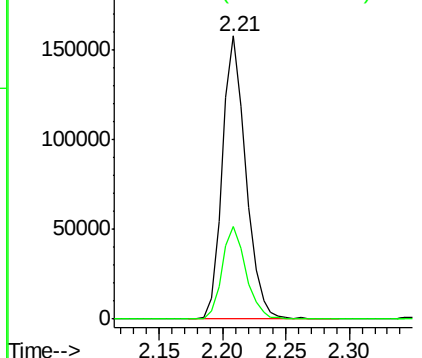
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.893 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065496.D

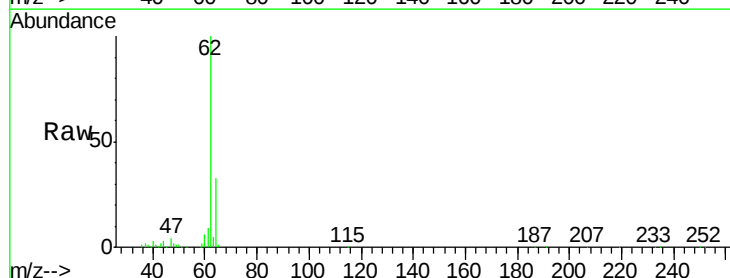
Acq: 12 Mar 2020 21:09

Tgt Ion: 62 Resp: 202534

Ion Ratio Lower Upper

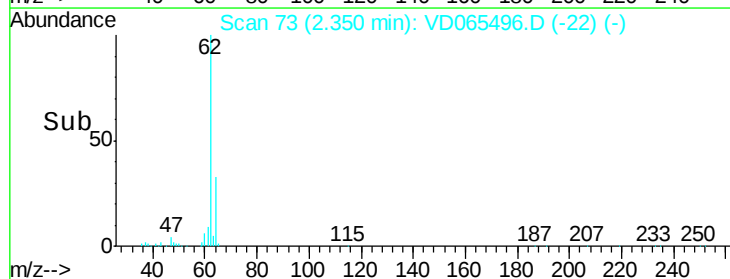
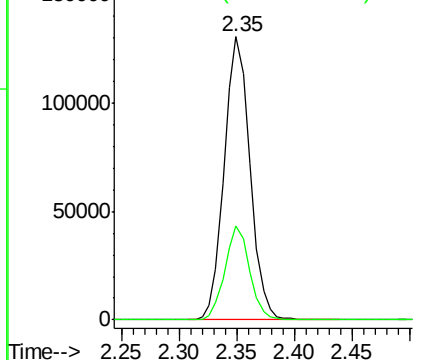
62 100

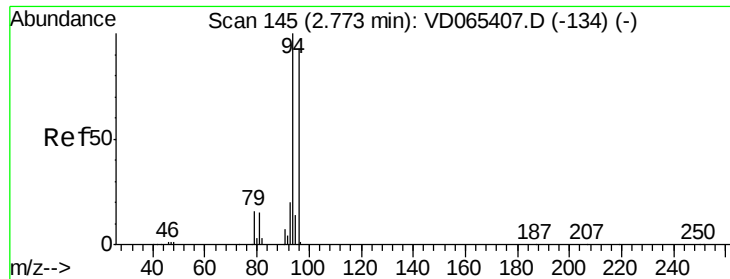
64 33.1 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 53.936 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 132444

Ion Ratio Lower Upper

94 100

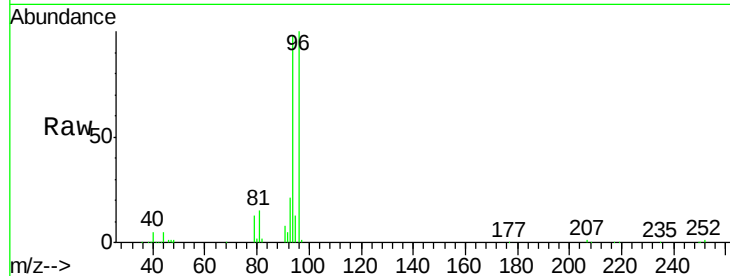
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Manual Integrations

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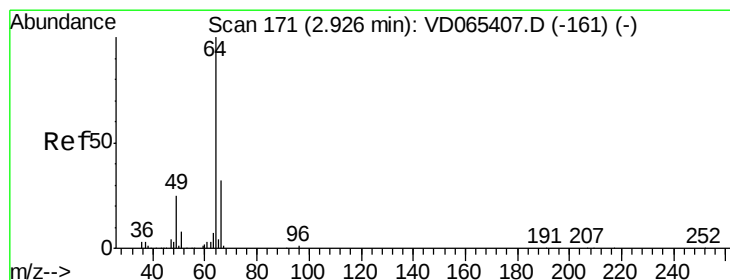
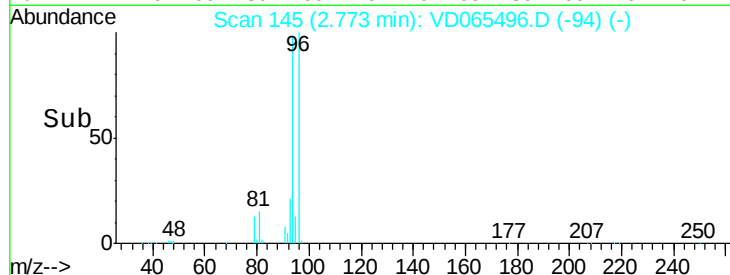
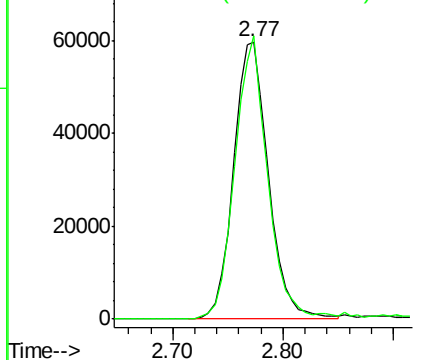
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.398 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065496.D

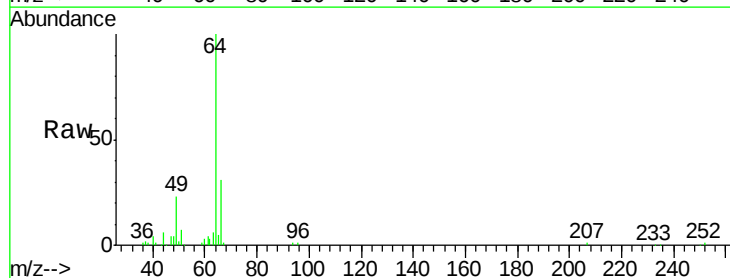
Acq: 12 Mar 2020 21:09

Tgt Ion: 64 Resp: 130813

Ion Ratio Lower Upper

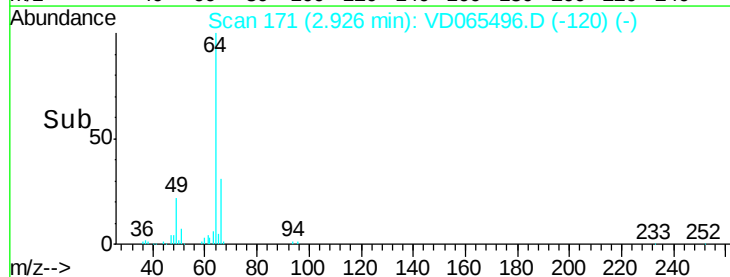
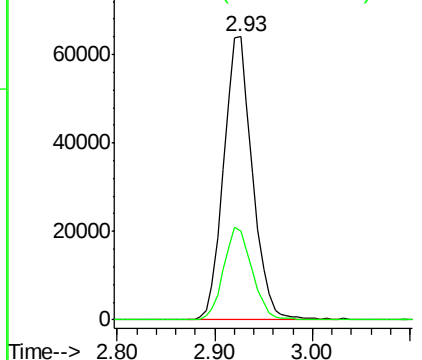
64 100

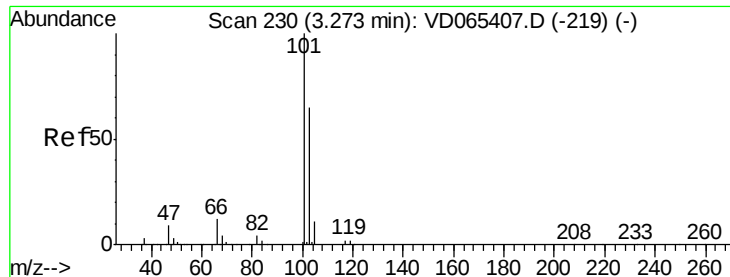
66 31.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

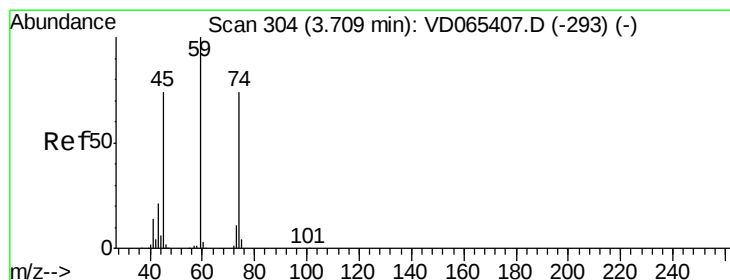
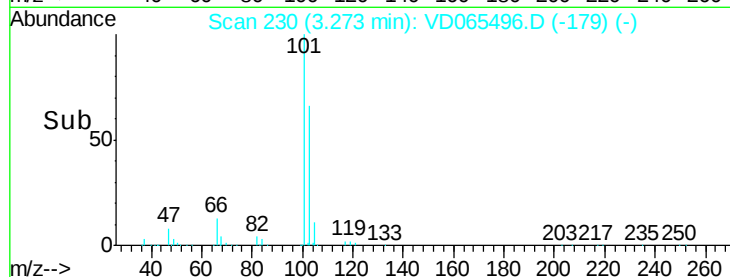
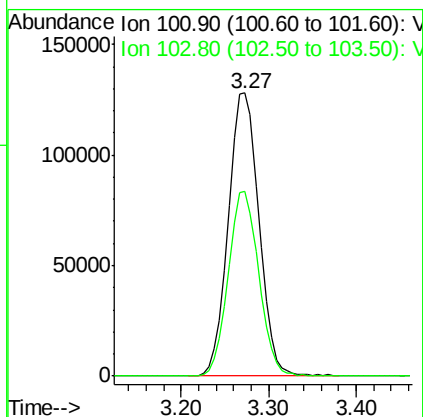
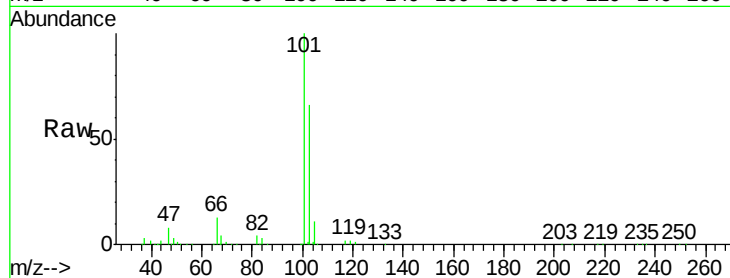
Trichlorofluoromethane
Concen: 47.004 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.1	78.1

Manual Integrations
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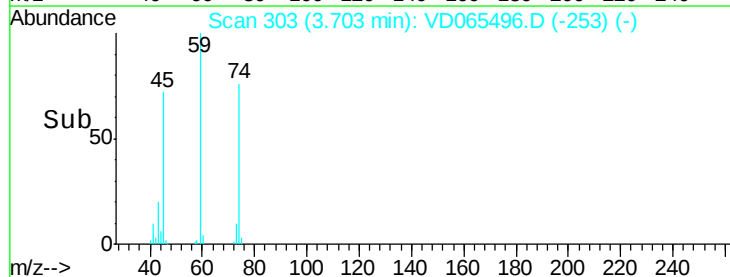
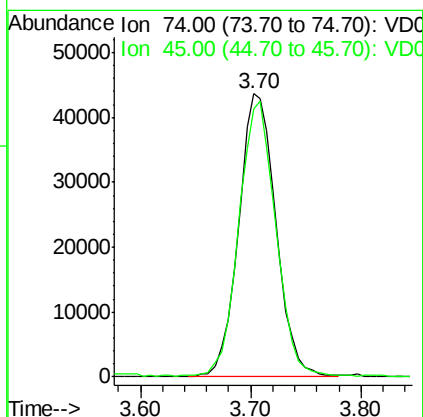
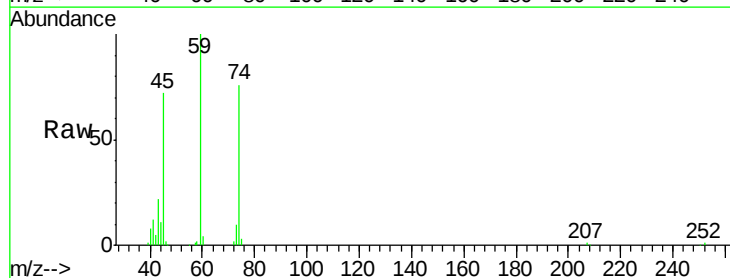
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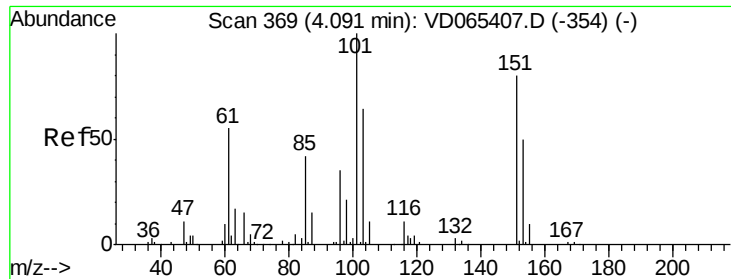


#8

Diethyl Ether
Concen: 53.434 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.9	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.416 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065496.D

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MSVOA_D

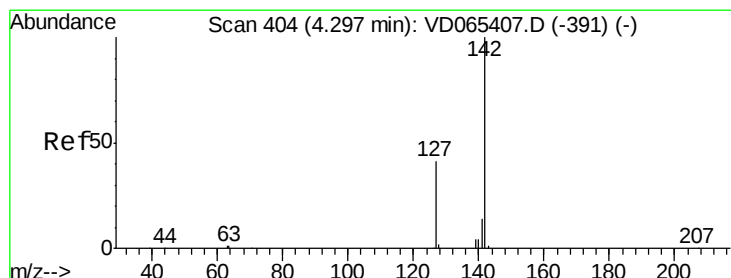
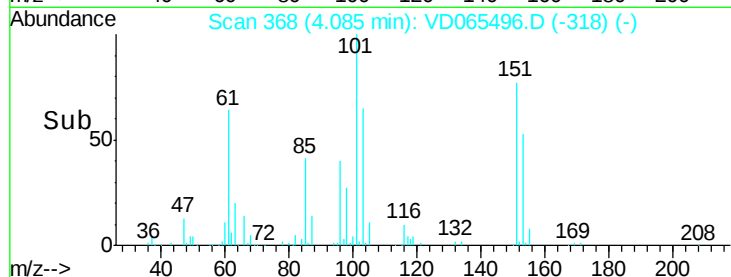
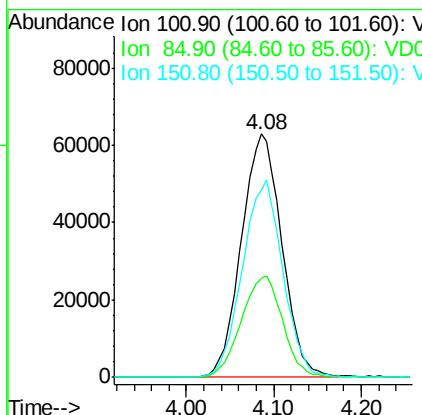
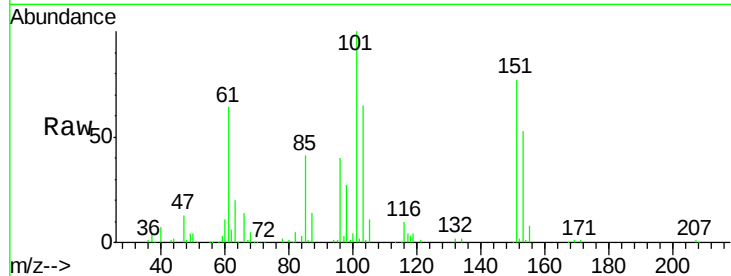
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	198583
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.2	51.2
151	80.7	65.1	97.7

Manual Integrations
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#10

Methyl Iodide

Concen: 52.663 ug/l

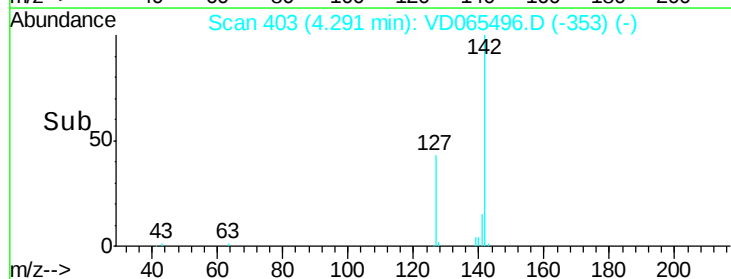
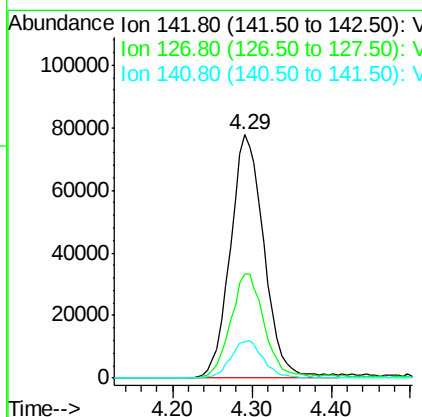
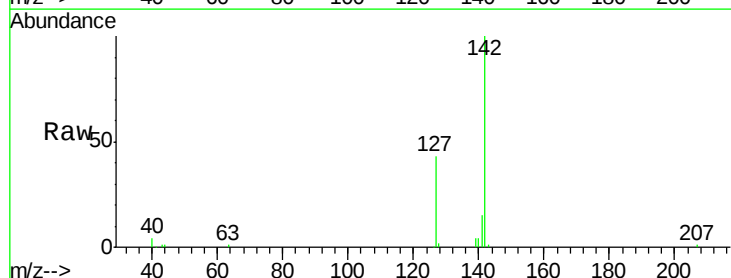
RT: 4.29 min Scan# 403

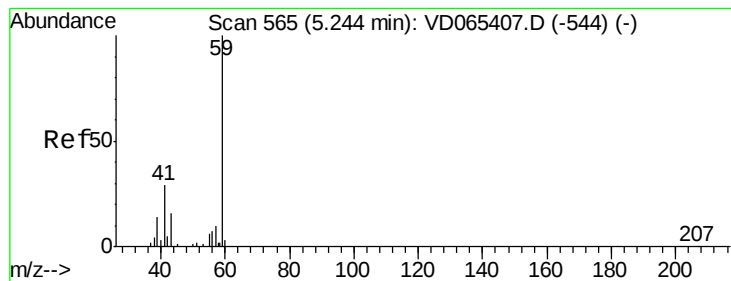
Delta R.T. -0.01 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Tgt Ion:	142	Resp:	229137
Ion Ratio	Lower	Upper	
142	100		
127	42.9	35.0	52.6
141	14.7	12.4	18.6





#11

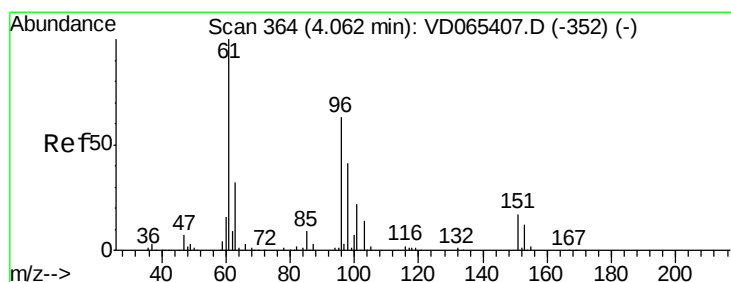
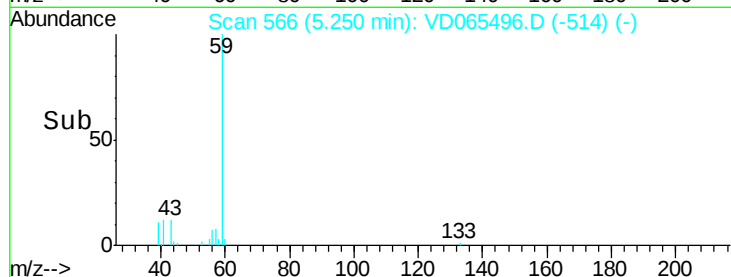
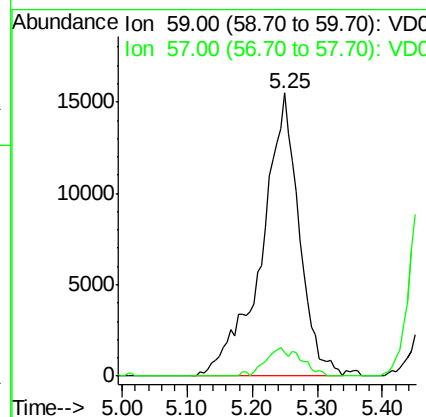
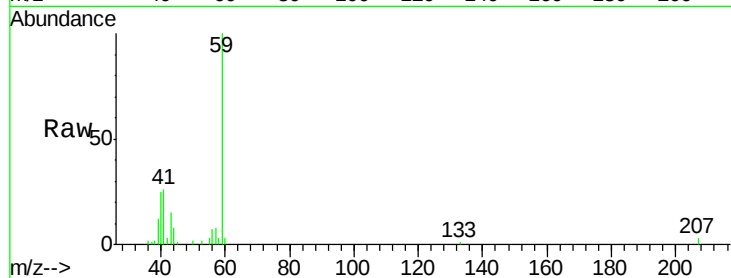
Tert butyl alcohol
Concen: 291.385 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	61823
Ion Ratio	100	Lower	Upper
59	100		
57	5.6	6.9	10.3#

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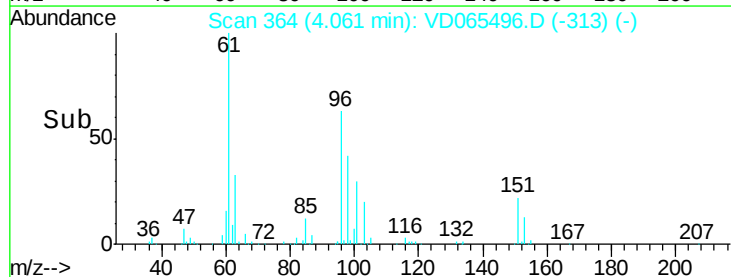
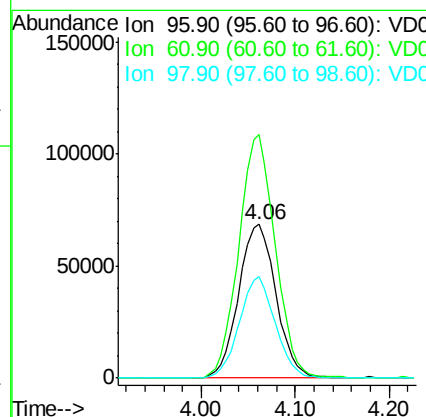
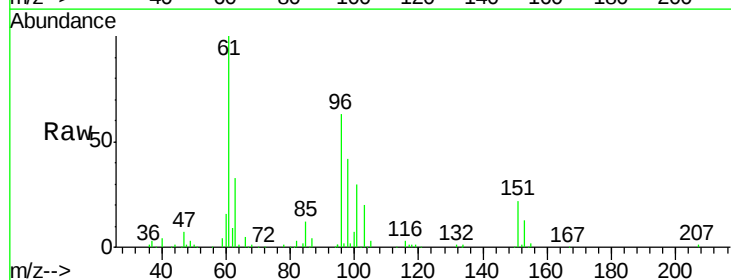
MMDadoda
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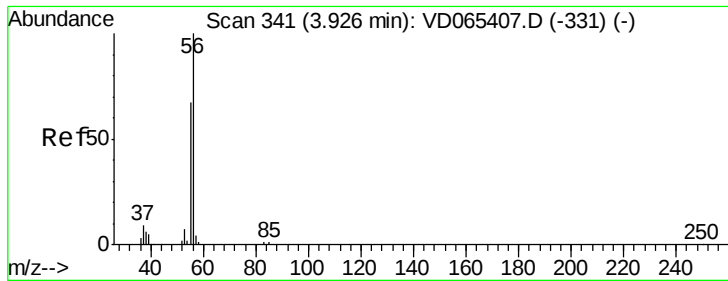


#12

1,1-Dichloroethene
Concen: 47.297 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Tgt Ion	96	Resp	189676
Ion Ratio	100	Lower	Upper
96	100		
61	158.3	128.0	192.0
98	66.4	51.9	77.9





#13

Acrolein

Concen: 265.933 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 97308

Ion Ratio Lower Upper

56 100

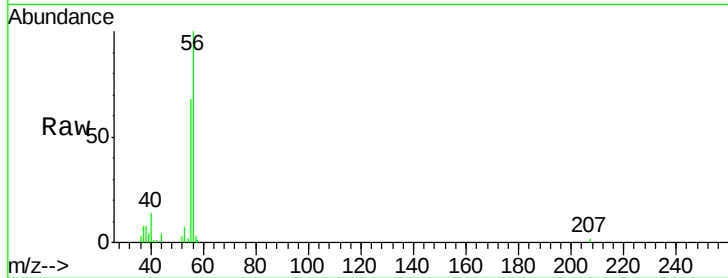
55 70.6 56.6 85.0

Manual Integrations

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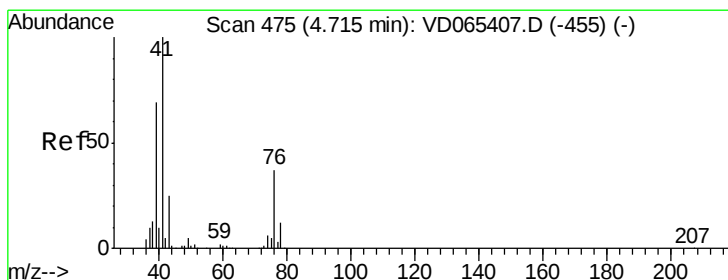
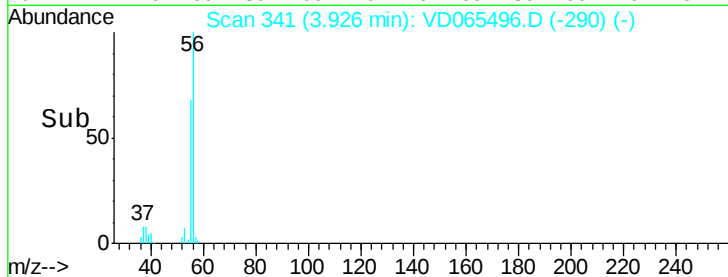
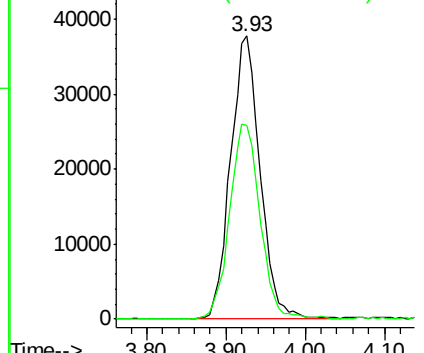
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.635 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

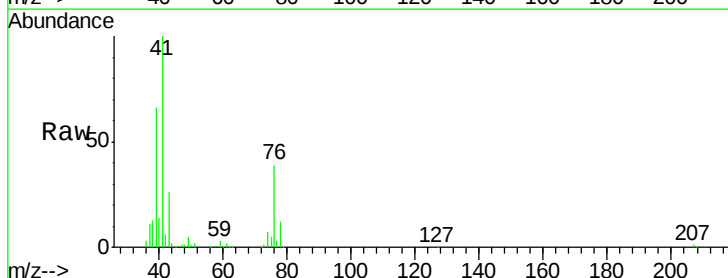
Tgt Ion: 41 Resp: 305780

Ion Ratio Lower Upper

41 100

39 65.4 52.6 79.0

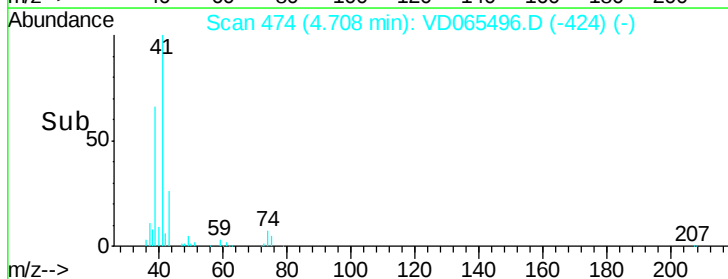
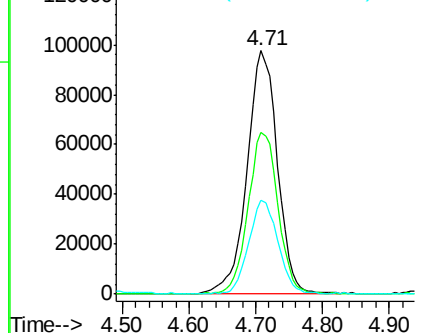
76 36.6 29.2 43.8

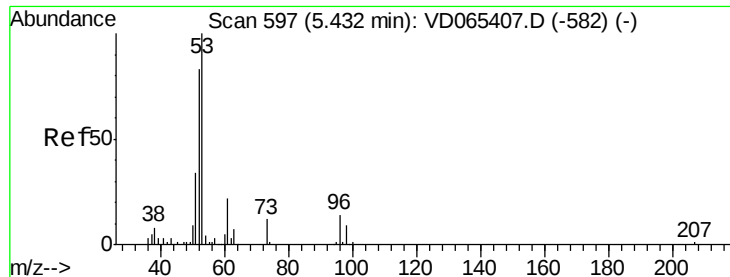


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 273.147 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

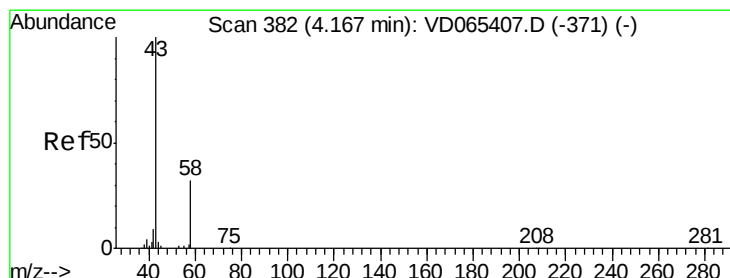
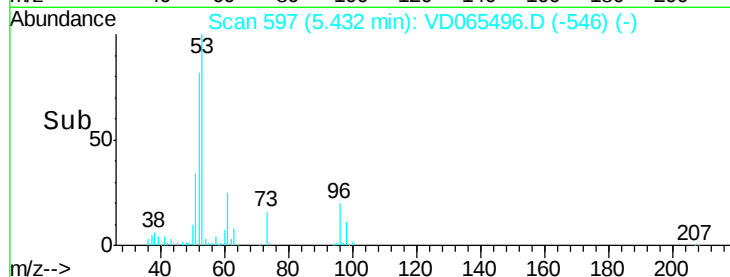
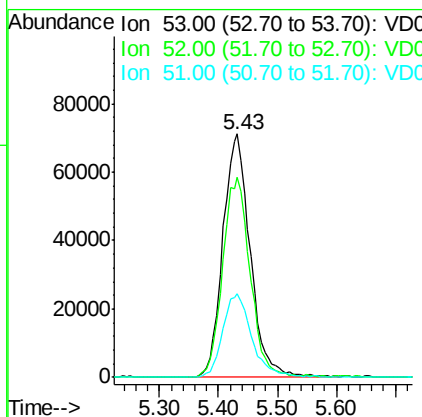
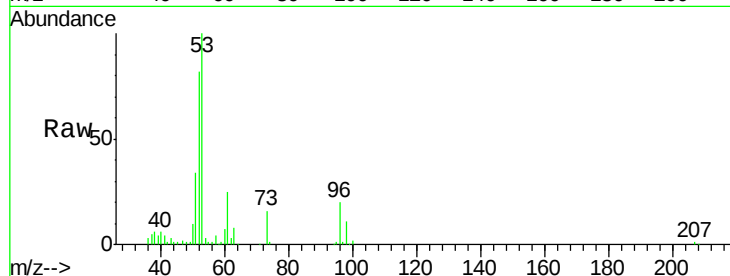
ClientSampleId :

VSTDCCC050EC

Tot Ion	53	Resp	229795
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.1	97.7
51	36.0	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 215.060 ug/l

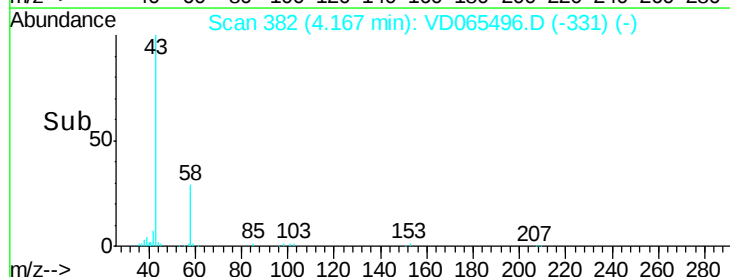
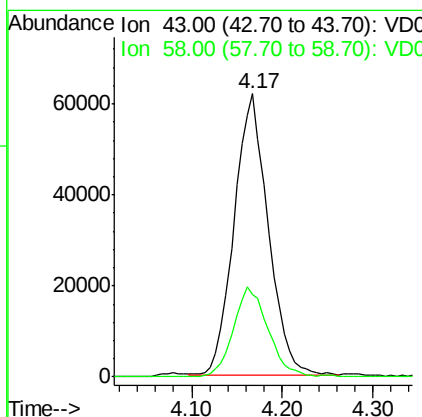
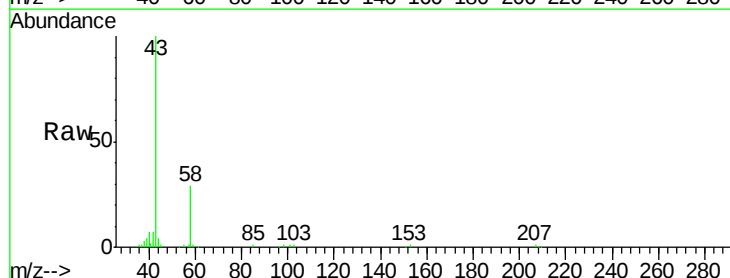
RT: 4.17 min Scan# 382

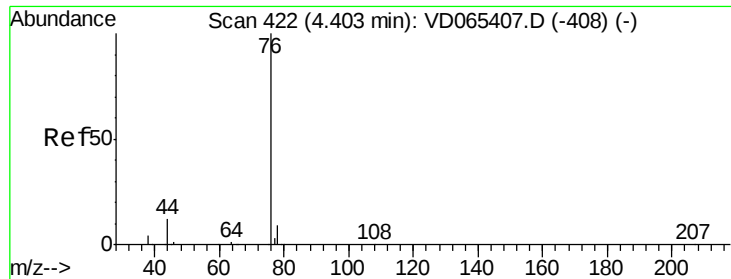
Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Tgt Ion	43	Resp	160881
Ion	Ratio	Lower	Upper
43	100		
58	29.1	25.1	37.7





#17

Carbon Disulfide

Concen: 45.746 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 610951

Ion Ratio Lower Upper

76 100

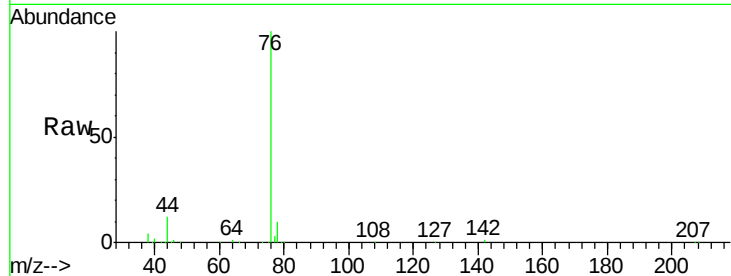
78 9.7 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

250000

200000

150000

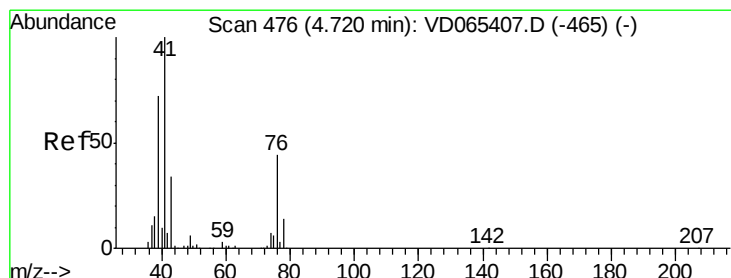
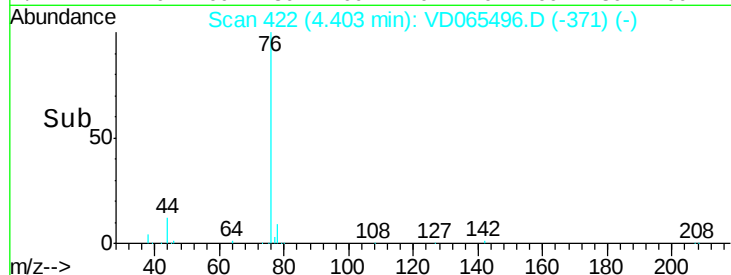
100000

50000

0

4.30 4.40 4.50

Time-->



#18

Methyl Acetate

Concen: 53.382 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD065496.D

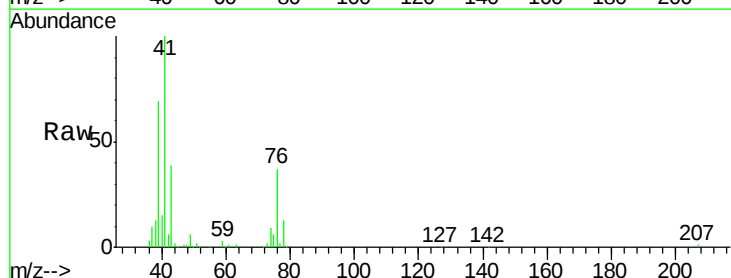
Acq: 12 Mar 2020 21:09

Tgt Ion: 43 Resp: 101297

Ion Ratio Lower Upper

43 100

74 24.7 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

40000

30000

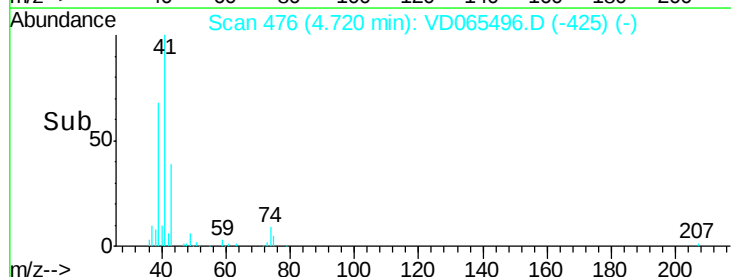
20000

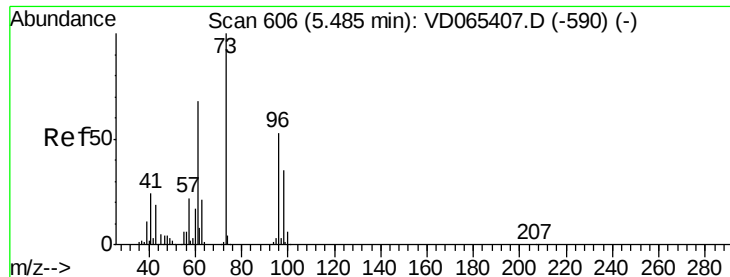
10000

0

4.60 4.70 4.80 4.90

Time-->





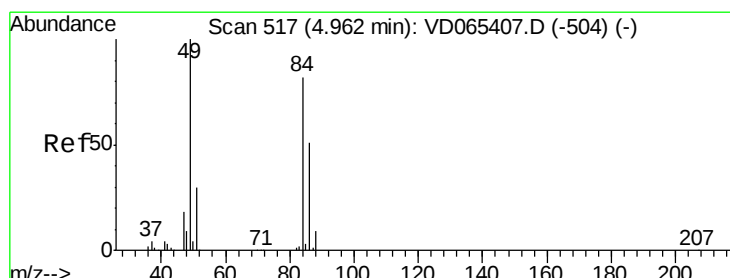
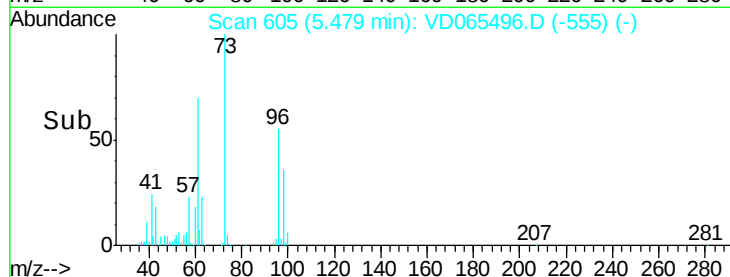
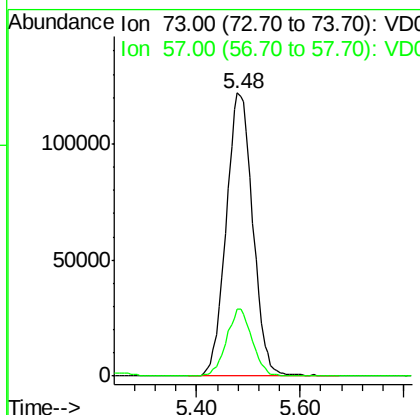
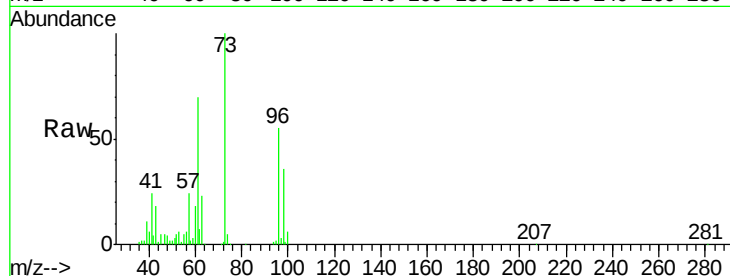
#19
Methvl tert-butvl Ether
Concen: 56.765 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 437776
Ion Ratio Lower Upper
73 100
57 23.5 17.3 25.9

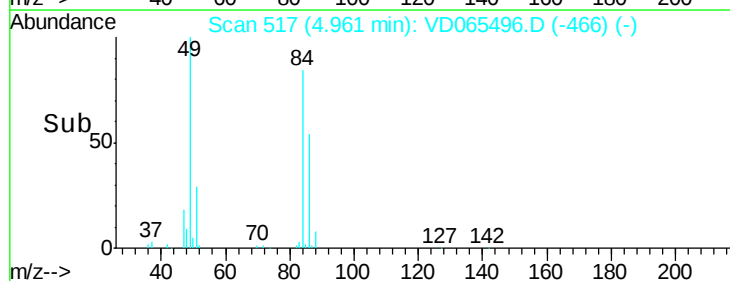
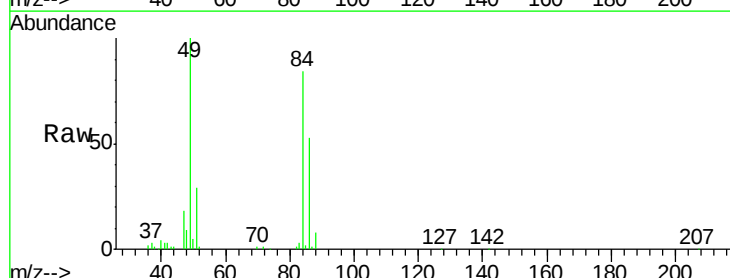
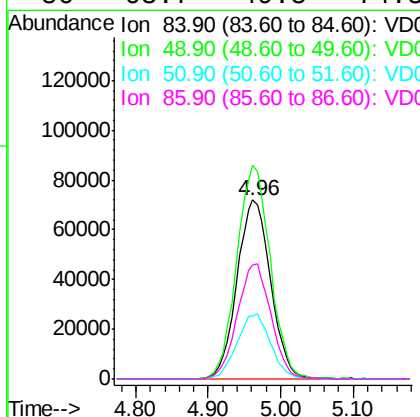
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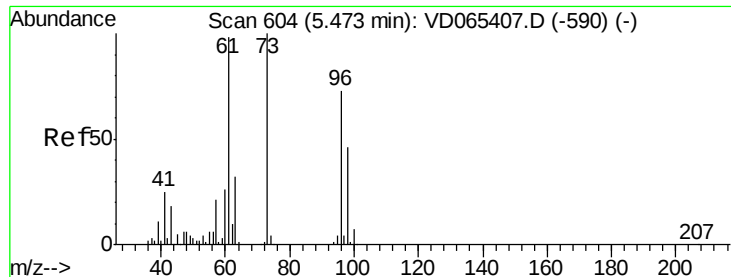
MMDadoda
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#20
Methylene Chloride
Concen: 57.698 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Tgt Ion: 84 Resp: 232233
Ion Ratio Lower Upper
84 100
49 119.3 97.7 146.5
51 34.8 28.8 43.2
86 63.7 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 50.870 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

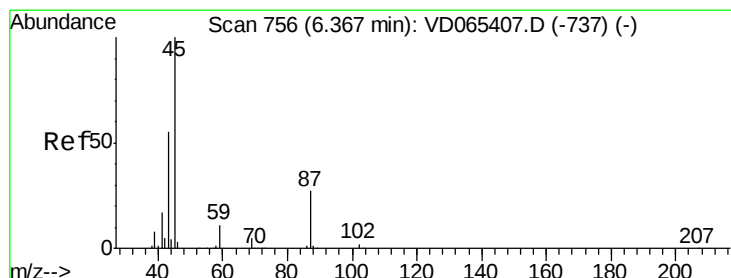
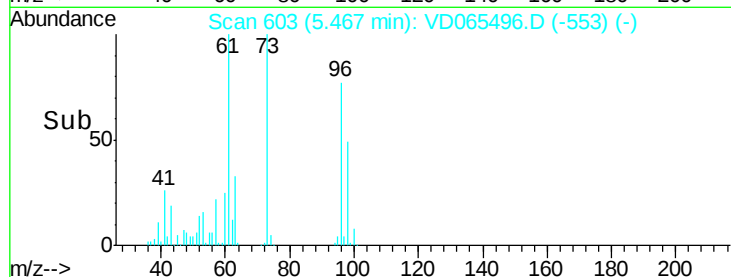
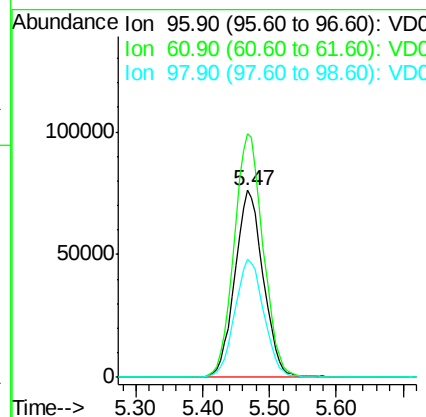
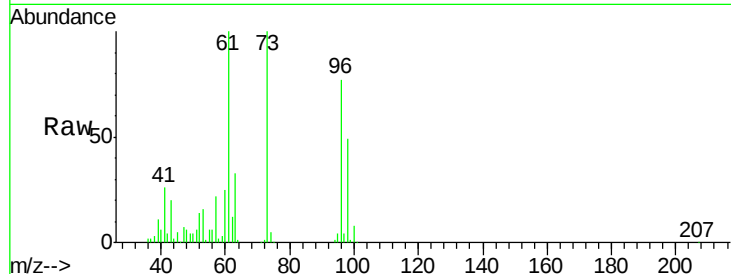
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	226940
Ion	Ratio	Lower	Upper
96	100		
61	130.4	106.3	159.5
98	63.6	50.2	75.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 56.942 ug/l

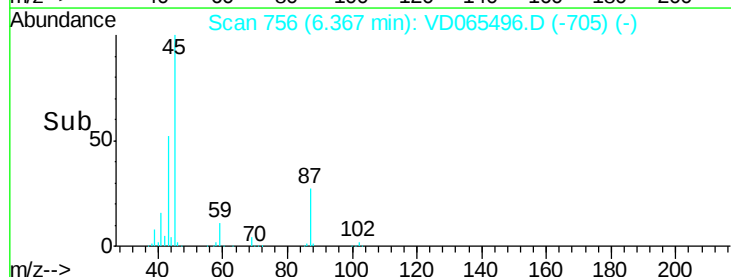
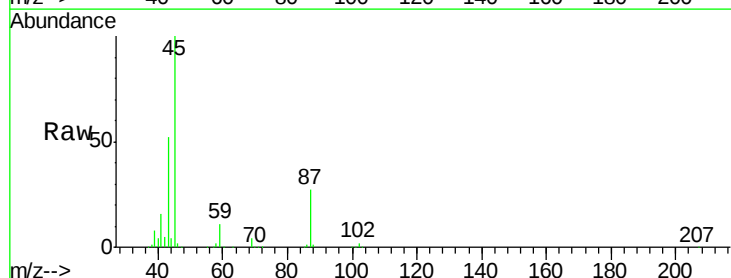
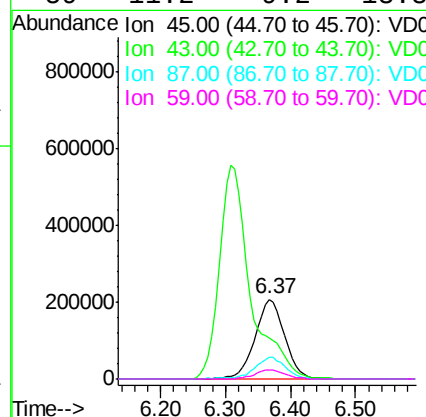
RT: 6.37 min Scan# 756

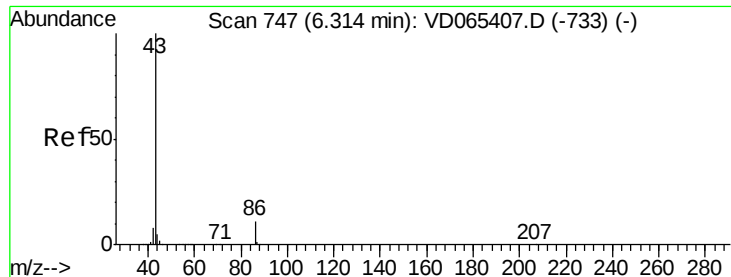
Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Tgt Ion:	45	Resp:	652106
Ion	Ratio	Lower	Upper
45	100		
43	51.7	44.4	66.6
87	26.9	21.9	32.9
59	11.2	9.2	13.8





#23

Vinyl Acetate

Concen: 289.422 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Tot Ion: 43 Resp: 1840375

Ion Ratio Lower Upper

43 100

86 11.4 8.9 13.3

Instrument :

MSVOA_D

ClientSampleId :

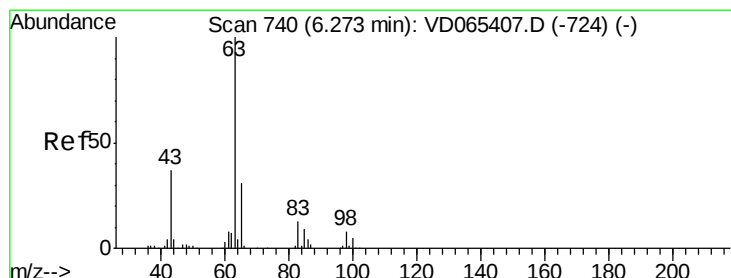
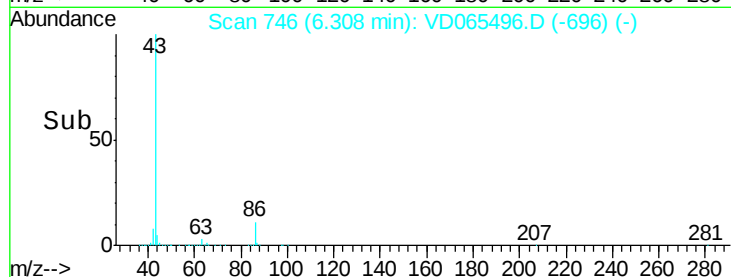
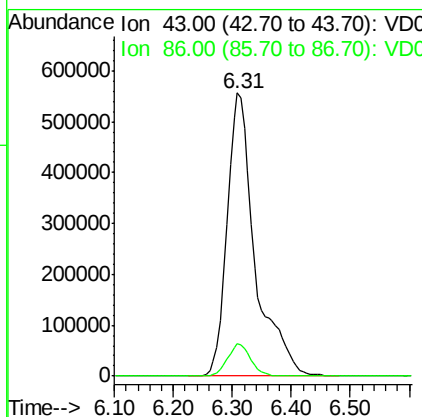
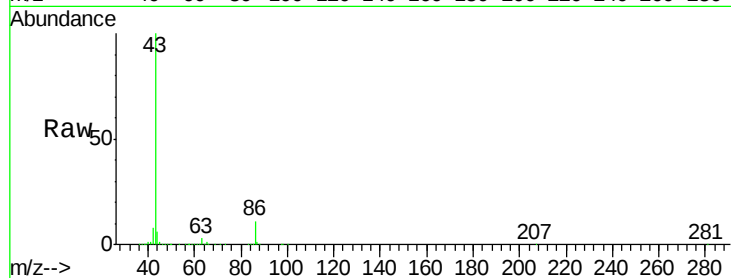
VSTDCCC050EC

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.941 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

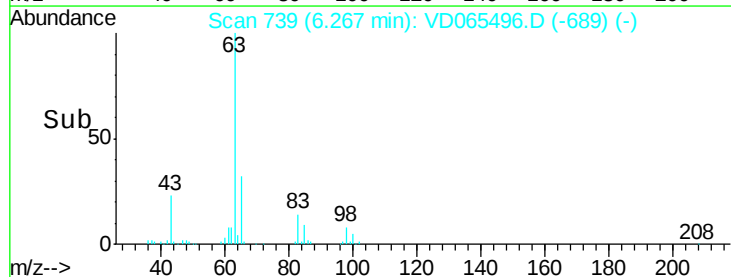
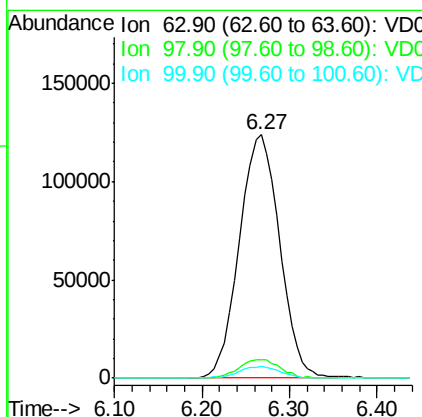
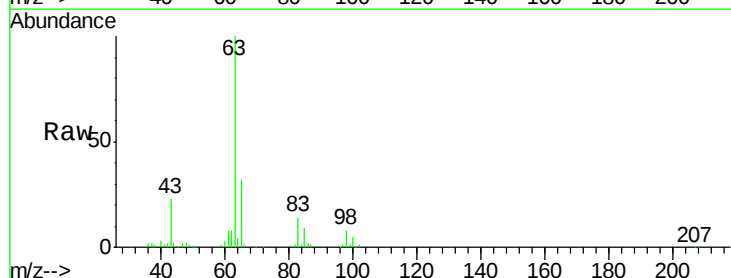
Tgt Ion: 63 Resp: 388882

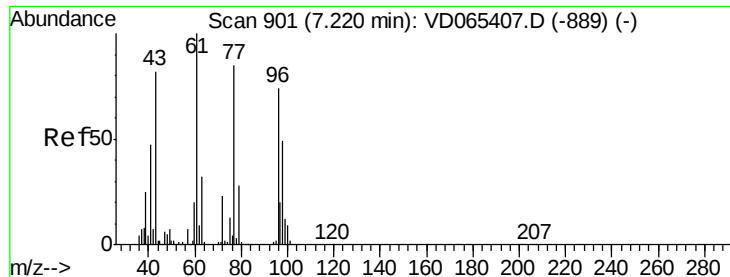
Ion Ratio Lower Upper

63 100

98 7.7 4.2 12.6

100 5.0 2.4 7.2





#25

2-Butanone

Concen: 261.365 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 266817

Ion Ratio Lower Upper

43 100

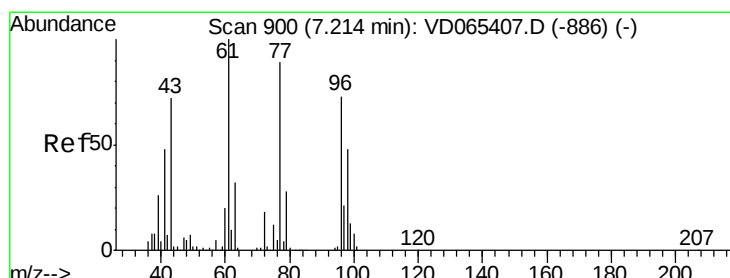
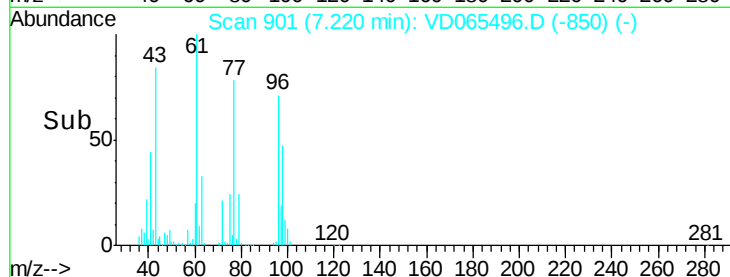
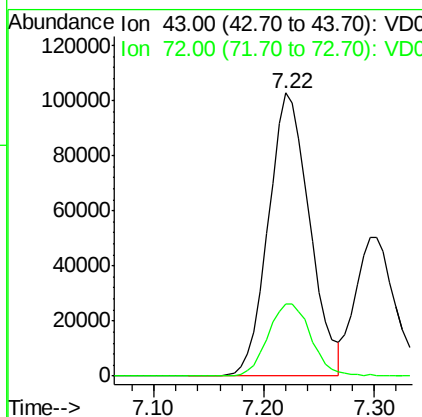
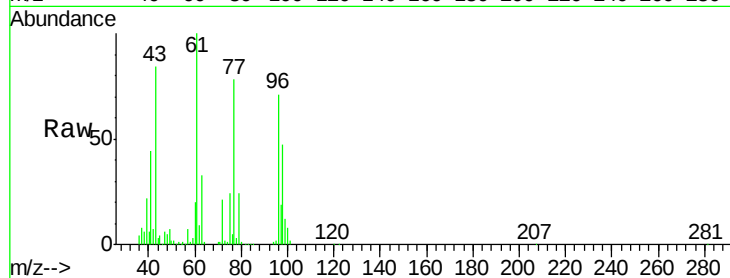
72 25.4 22.3 33.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.135 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065496.D

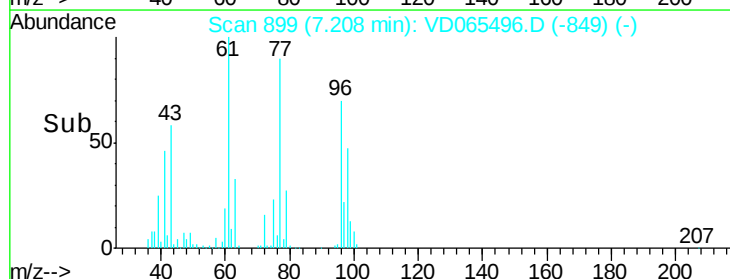
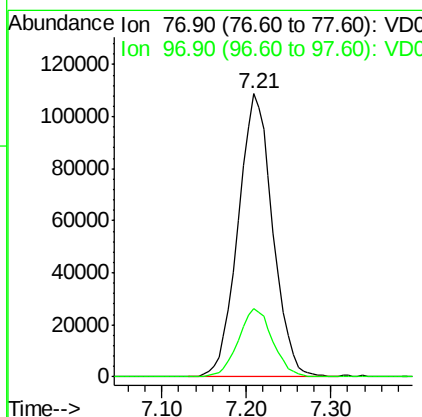
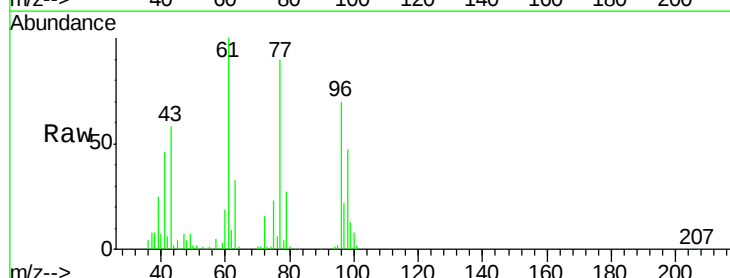
Acq: 12 Mar 2020 21:09

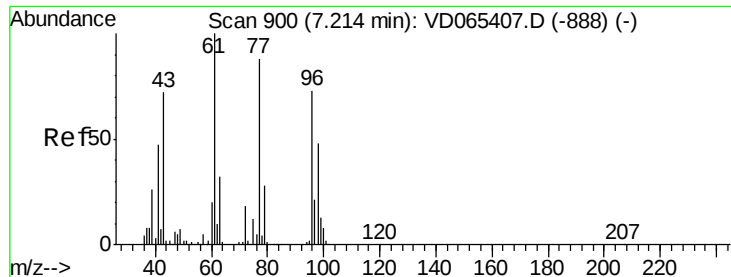
Tgt Ion: 77 Resp: 308985

Ion Ratio Lower Upper

77 100

97 23.9 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 53.872 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

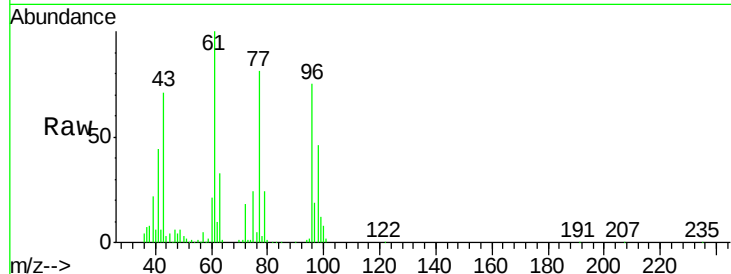
ClientSampleId :

VSTDCCC050EC

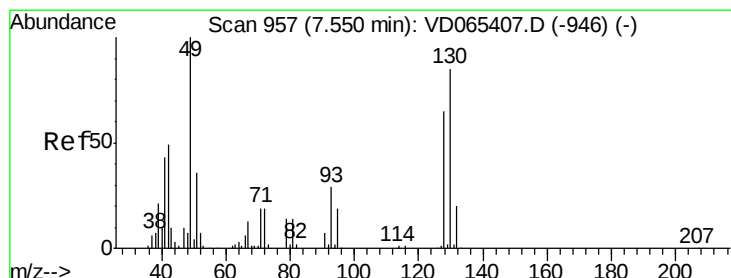
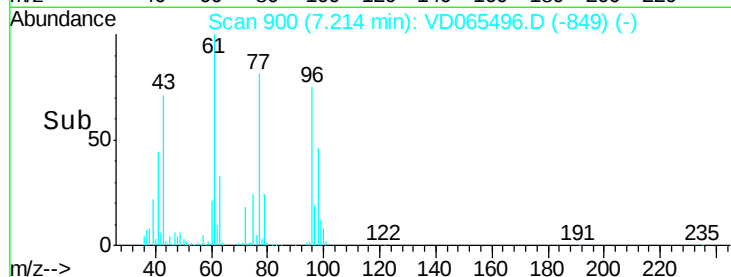
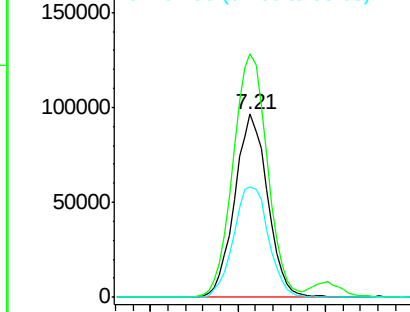
Tot Ion:	96	Resp:	245654
Ion	Ratio	Lower	Upper
96	100		
61	138.8	0.0	280.4
98	64.4	0.0	132.6

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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 56.091 ug/l

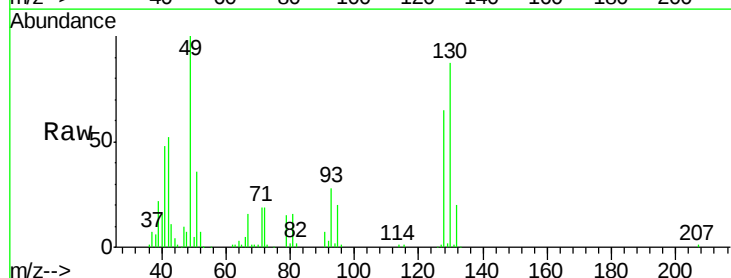
RT: 7.55 min Scan# 957

Delta R.T. -0.00 min

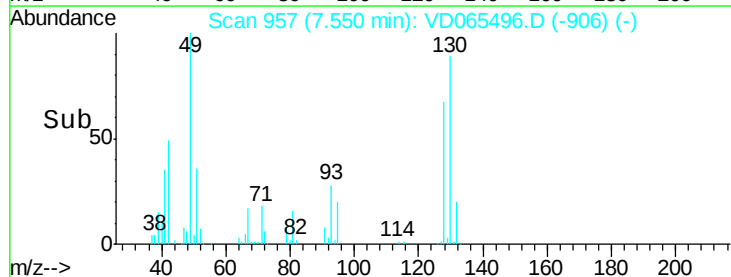
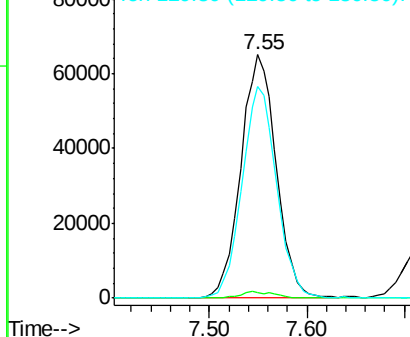
Lab File: VD065496.D

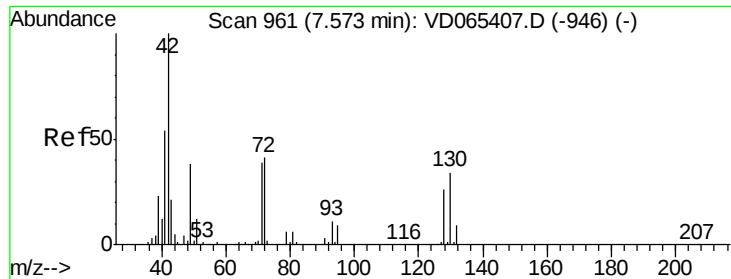
Acq: 12 Mar 2020 21:09

Tgt Ion:	49	Resp:	164845
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.6
130	85.0	66.6	100.0



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





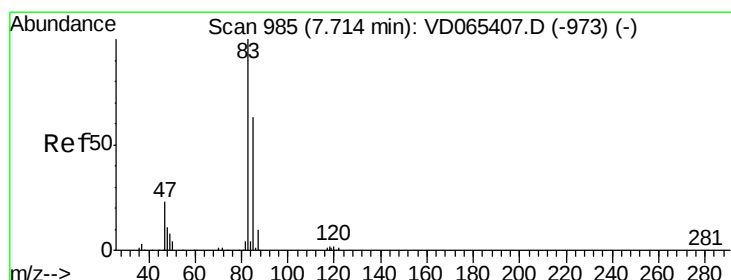
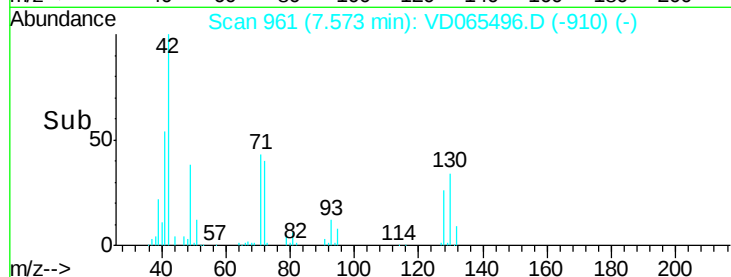
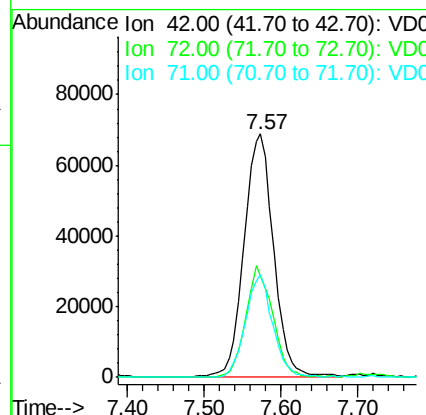
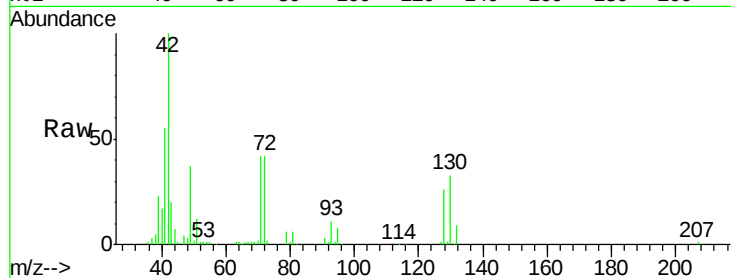
#29
Tetrahydrofuran
Concen: 285.402 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.0	49.6
71	38.8	32.0	48.0

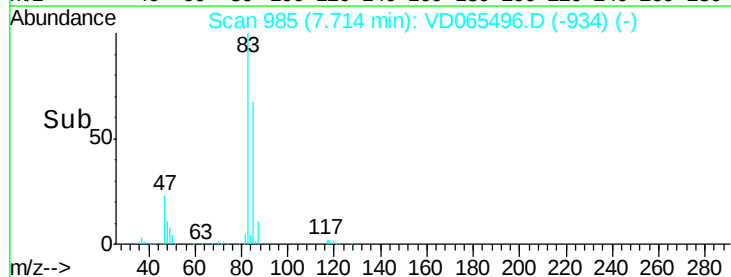
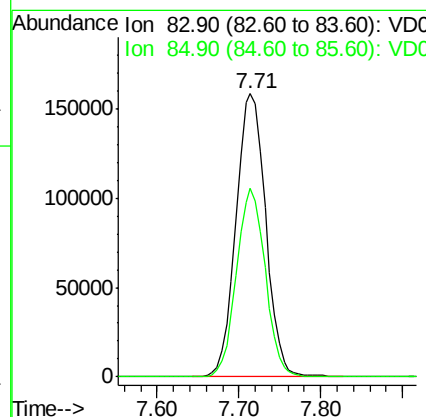
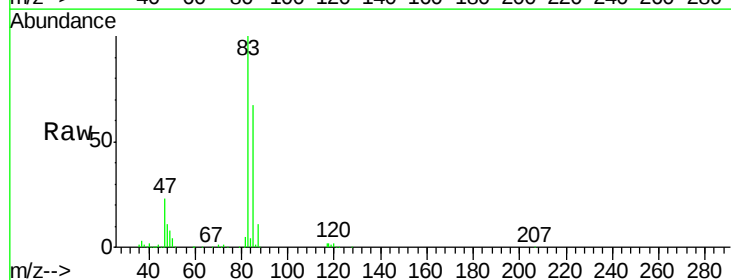
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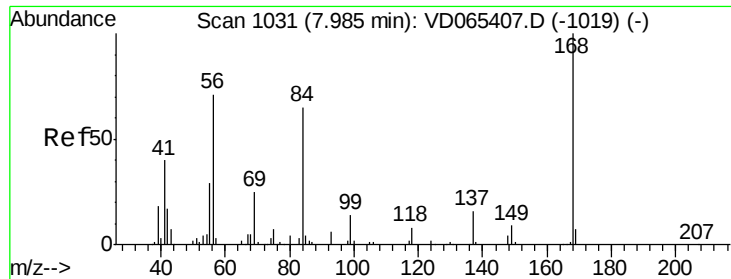
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#30
Chloroform
Concen: 54.651 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	50.3	75.5





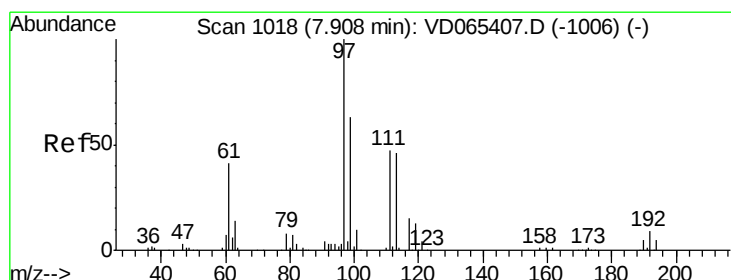
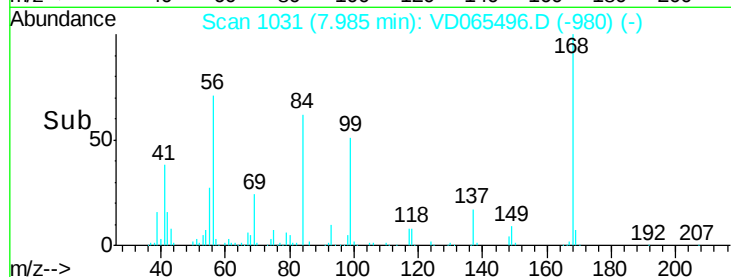
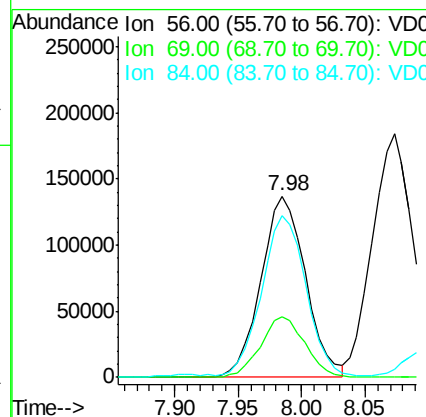
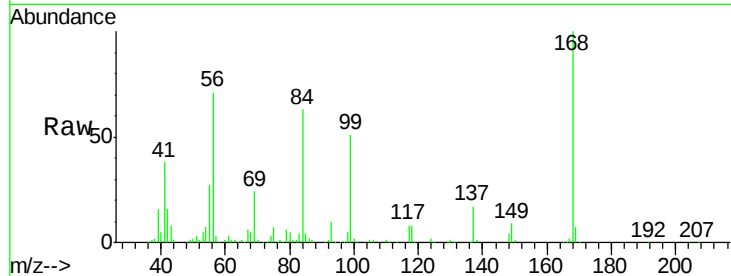
#31
Cyclohexane
Concen: 45.664 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.2	28.3	42.5
84	87.2	73.1	109.7

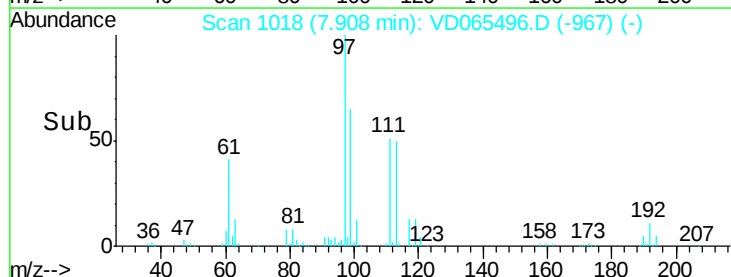
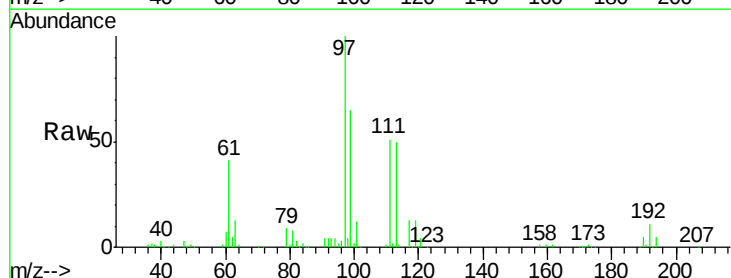
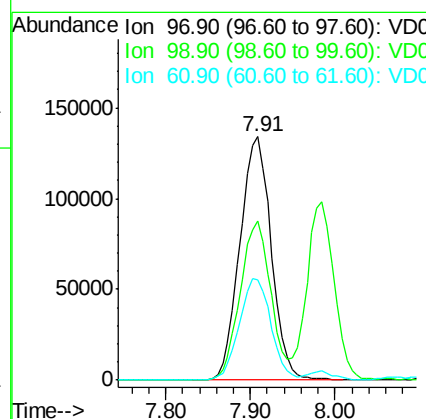
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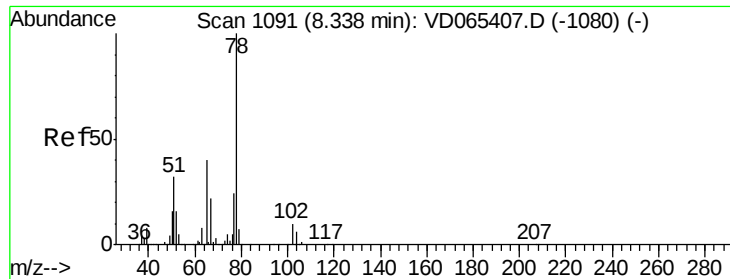
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#32
1,1,1-Trichloroethane
Concen: 50.842 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.9	76.3
61	41.9	33.2	49.8





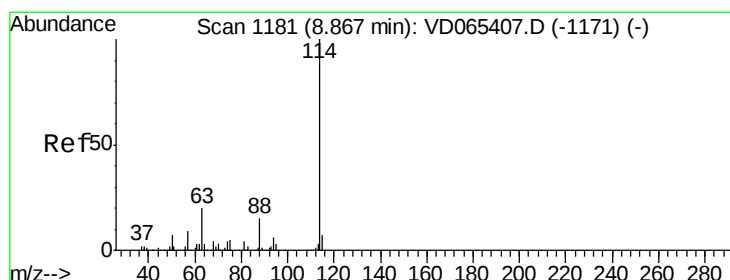
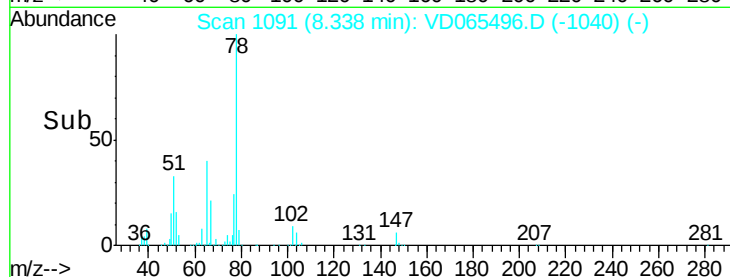
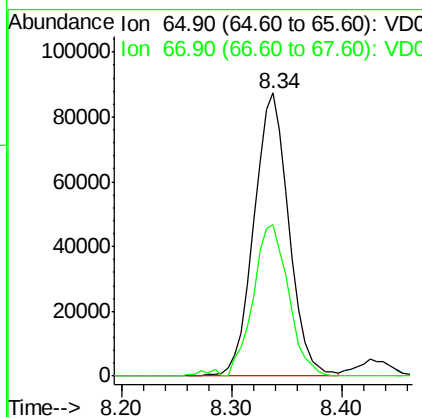
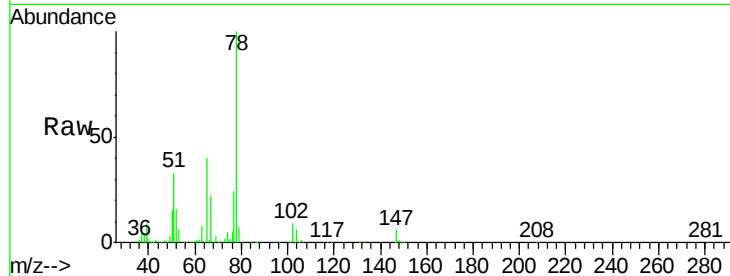
#33
 1,2-Dichloroethane-d4
 Concen: 52.299 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	193451		
67	54.2	0.0	108.0	

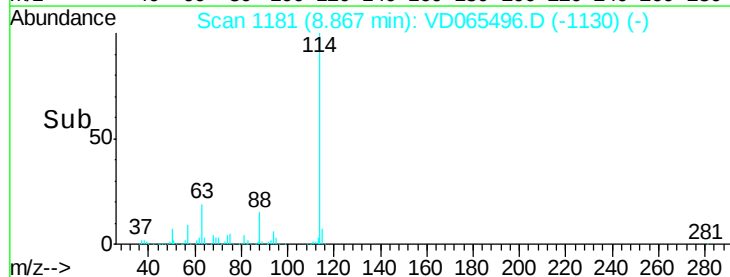
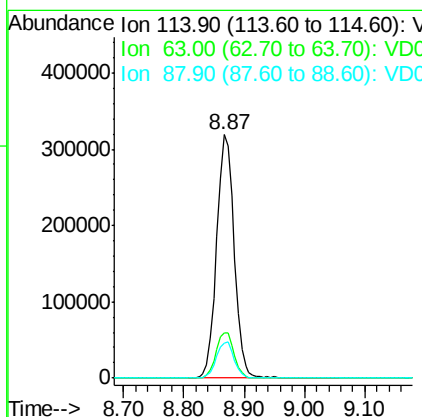
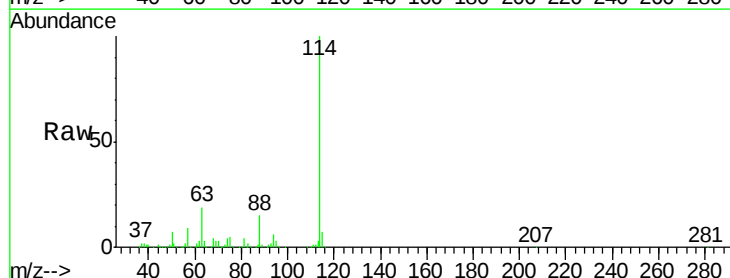
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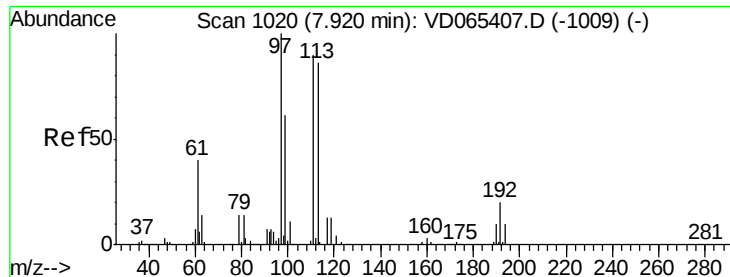
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	641083		
63	18.6	0.0	39.6	
88	14.5	0.0	30.4	





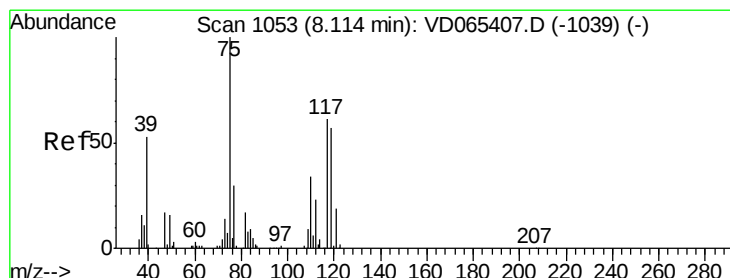
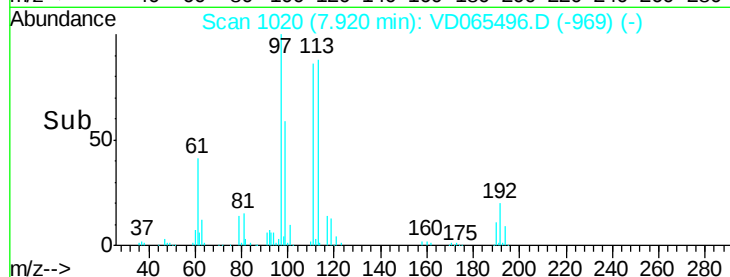
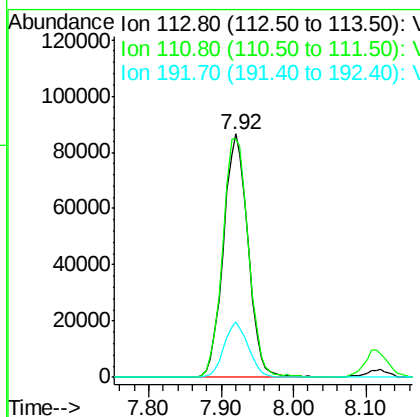
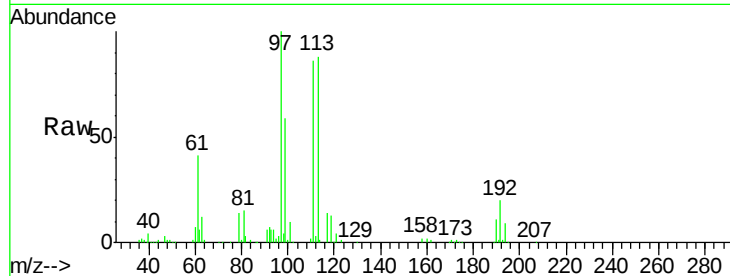
#35
 Dibromofluoromethane
 Concen: 51.639 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.1	123.1
192	22.3	17.2	25.8

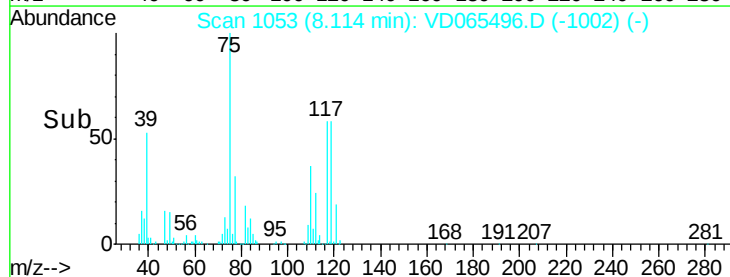
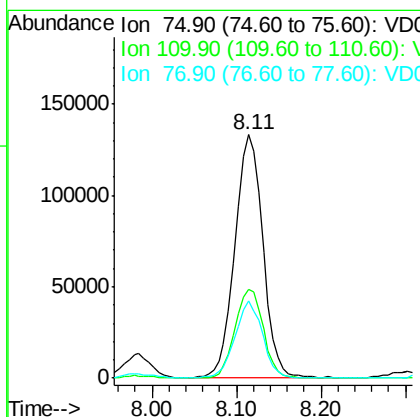
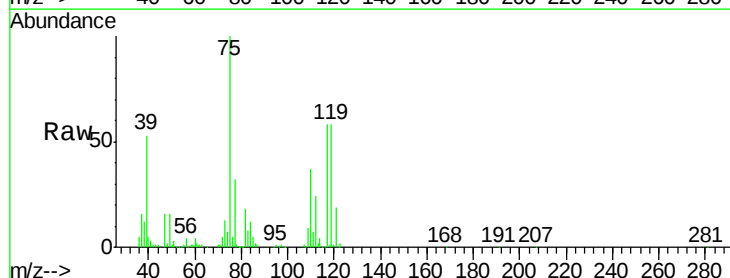
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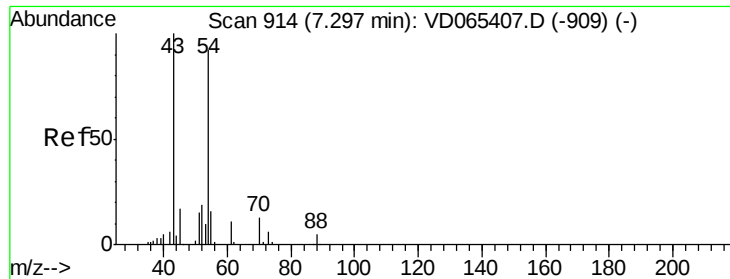
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#36
 1,1-Dichloropropene
 Concen: 49.585 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.9	18.1	54.1
77	31.5	25.2	37.8





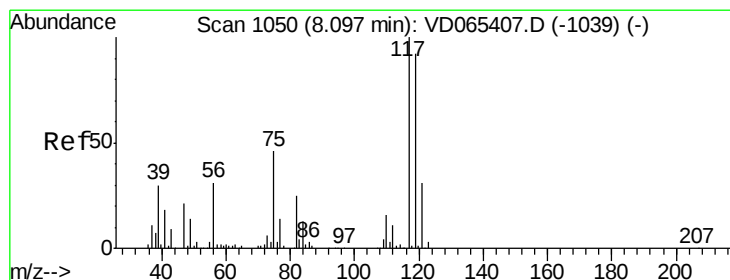
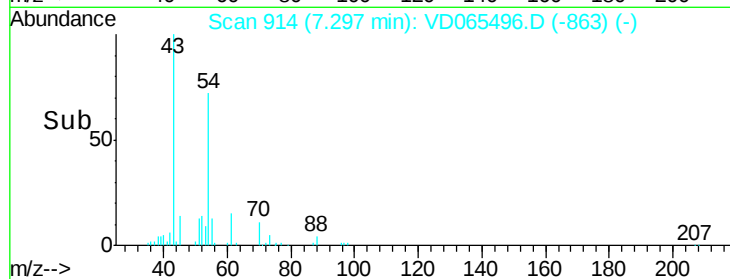
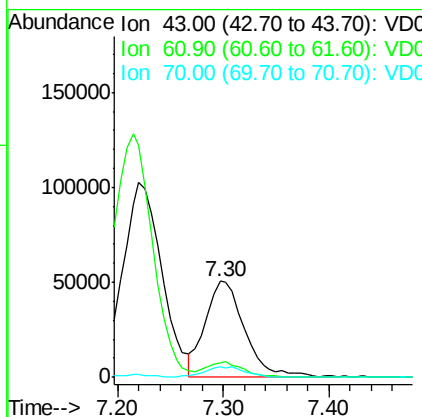
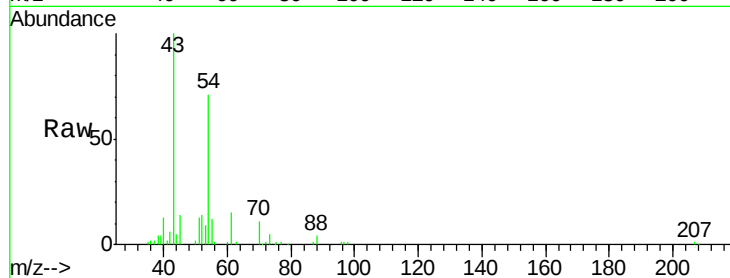
#37
Ethyl Acetate
Concen: 54.429 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.4	17.0
70	11.2	9.0	13.4

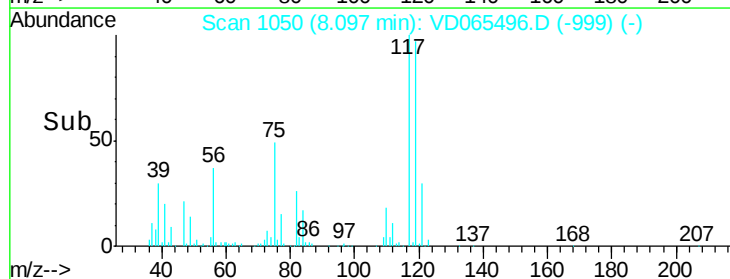
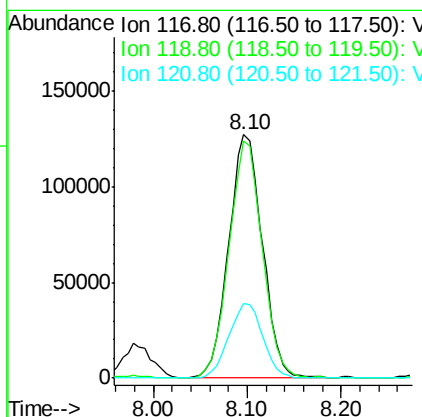
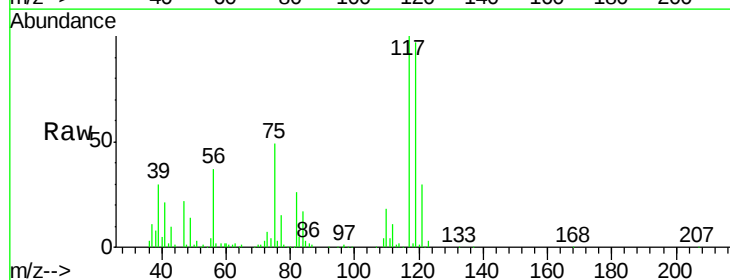
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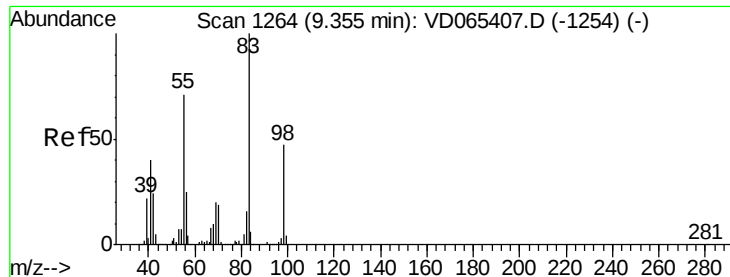
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#38
Carbon Tetrachloride
Concen: 49.430 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	73.3	109.9
121	30.5	25.0	37.4





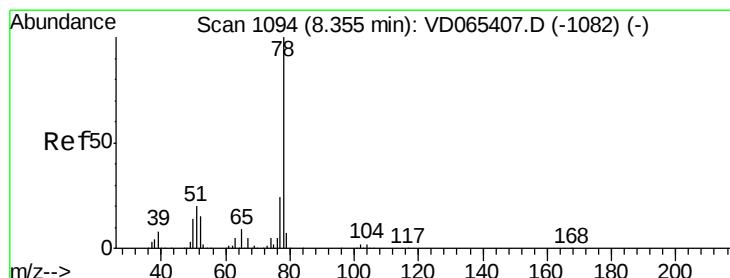
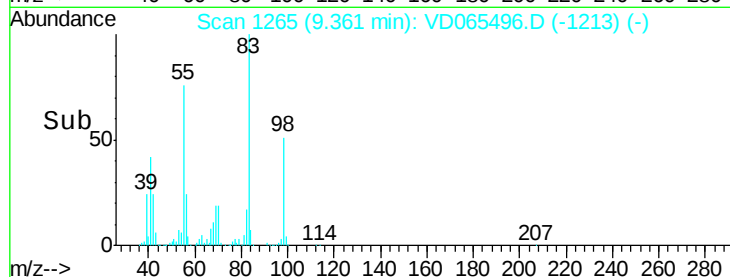
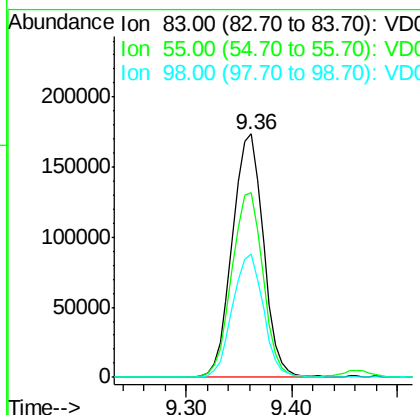
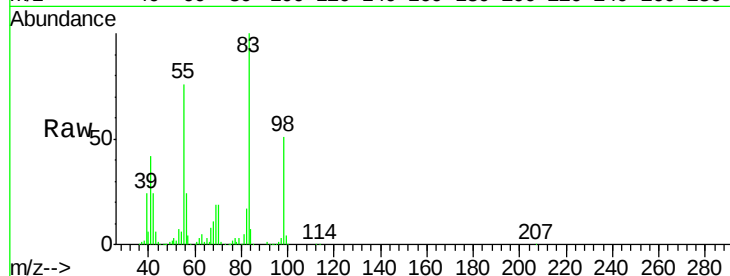
#39
Methvlcvclohexane
Concen: 47.939 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	57.1	85.7
98	50.5	37.8	56.8

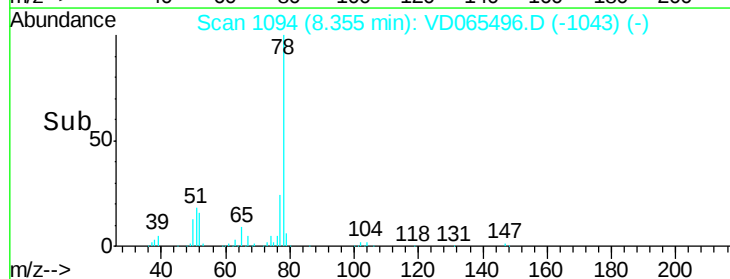
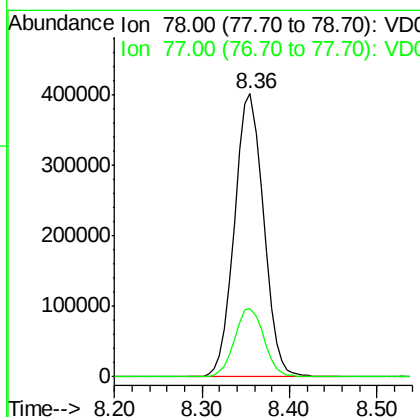
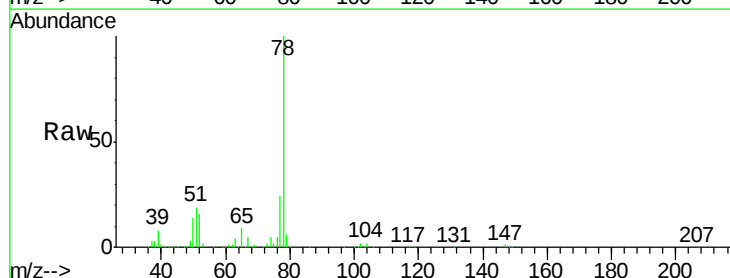
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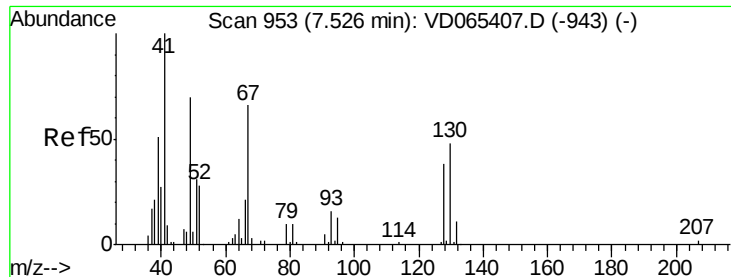
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#40
Benzene
Concen: 52.859 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.4	29.0





#41

Methacrylonitrile

Concen: 49.023 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

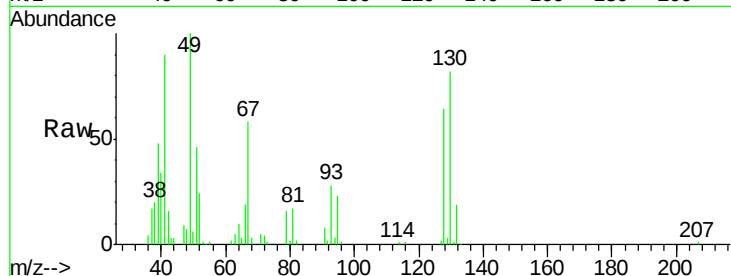
ClientSampleId :

VSTDCCC050EC

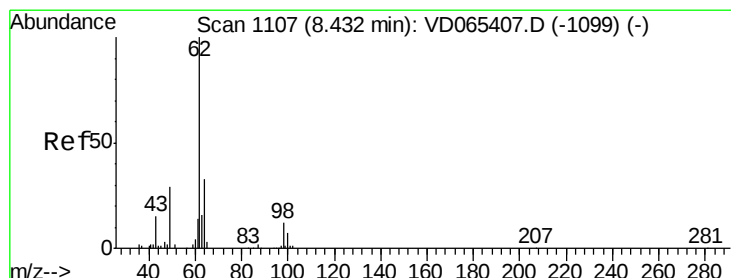
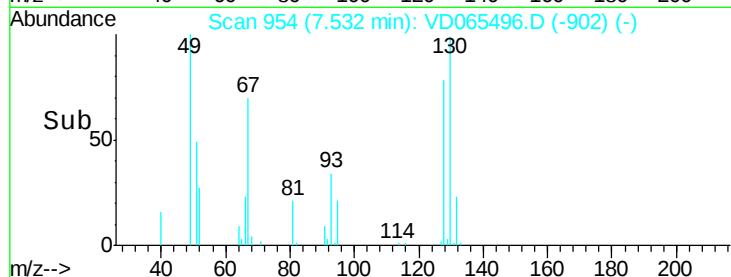
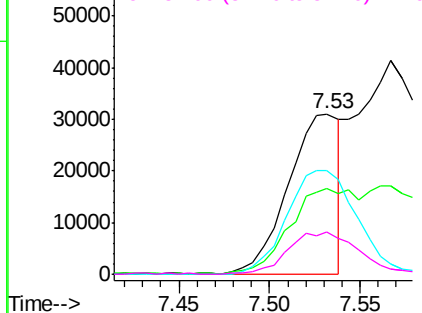
Tot Ion:	41	Resp:	61580
Ion	Ratio	Lower	Upper
41	100		
39	70.2	55.0	82.6
67	89.0	70.3	105.5
52	36.7	30.7	46.1

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Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 54.779 ug/l

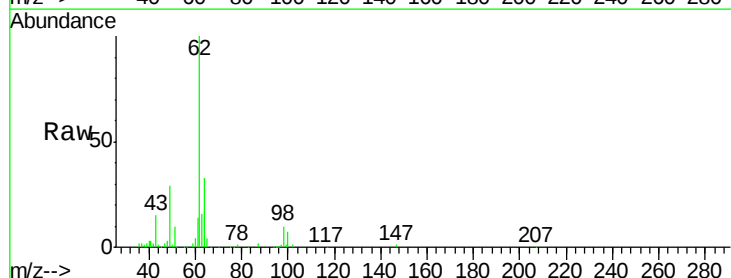
RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

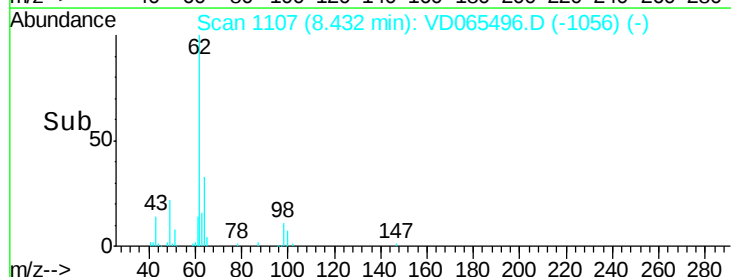
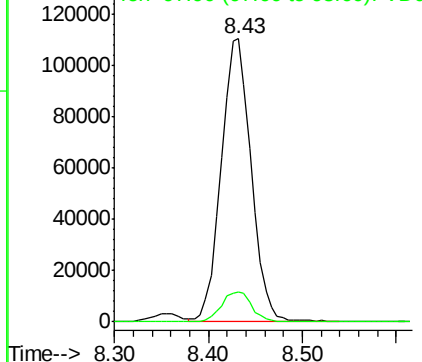
Lab File: VD065496.D

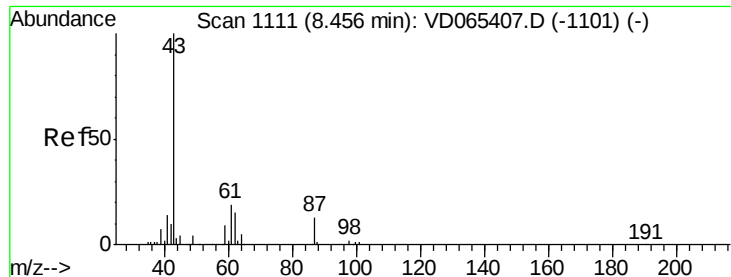
Acq: 12 Mar 2020 21:09

Tgt Ion:	62	Resp:	245770
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.4



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 53.656 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

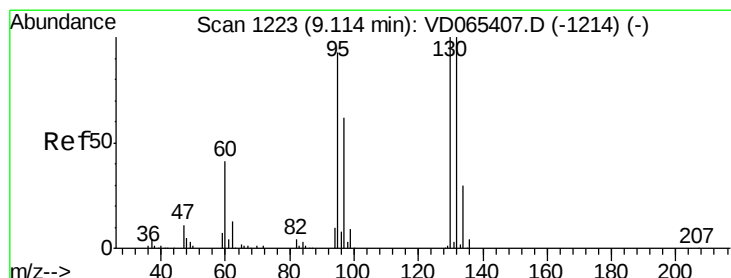
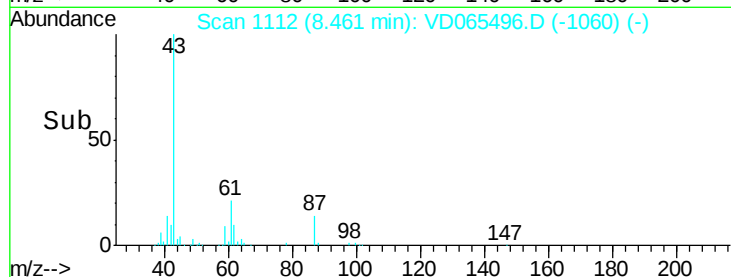
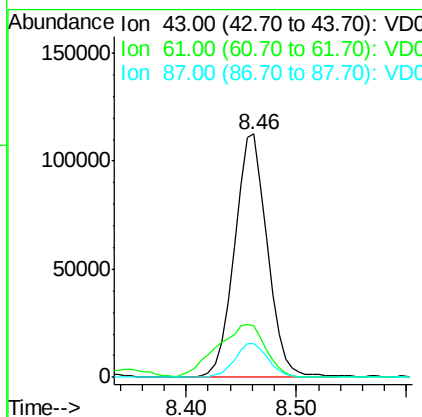
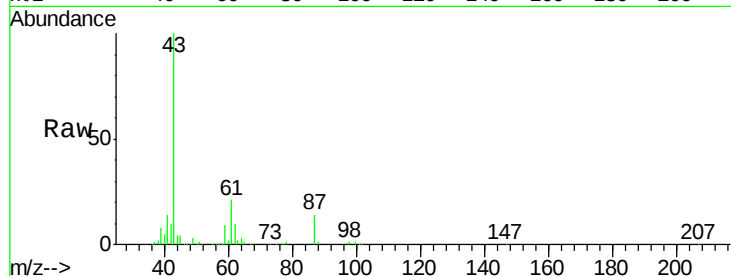
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	235320
Ion	Ratio	Lower	Upper
43	100		
61	31.7	25.0	37.6
87	14.1	11.0	16.4

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#44

Trichloroethene

Concen: 51.314 ug/l

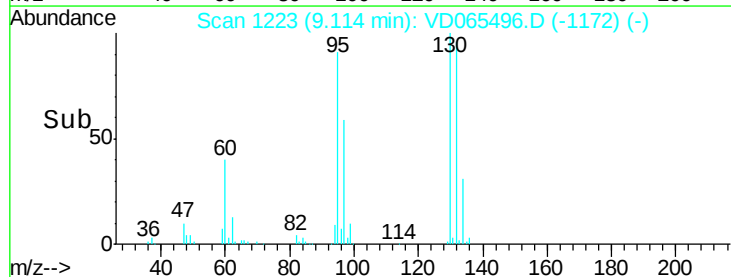
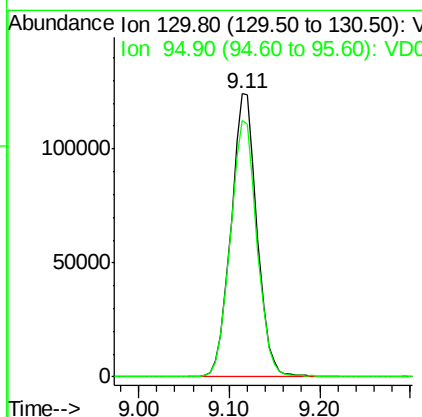
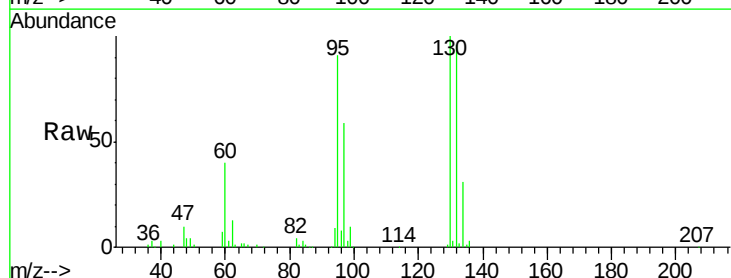
RT: 9.11 min Scan# 1223

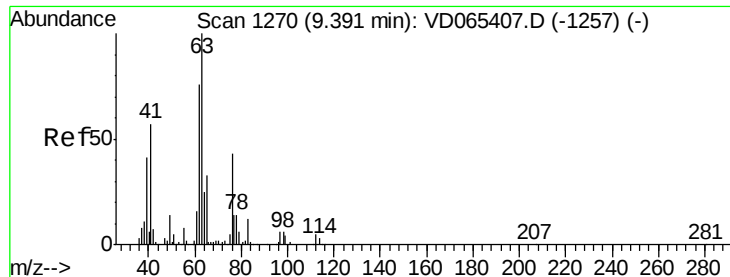
Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Tgt Ion:	130	Resp:	248984
Ion	Ratio	Lower	Upper
130	100		
95	90.7	0.0	186.0





#45

1,2-Dichloropropane

Concen: 54.815 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 228137

Ion Ratio Lower Upper

63 100

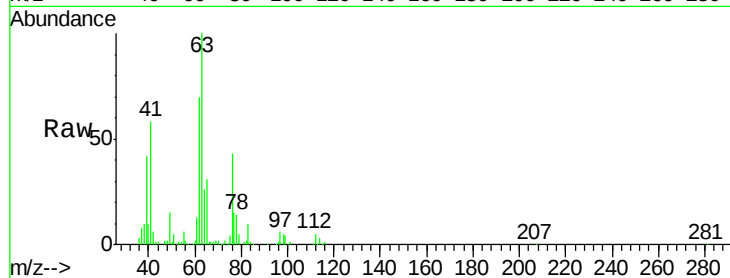
65 30.7 26.4 39.6

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

120000

100000

80000

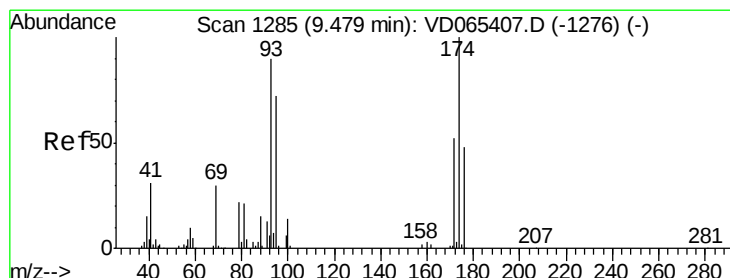
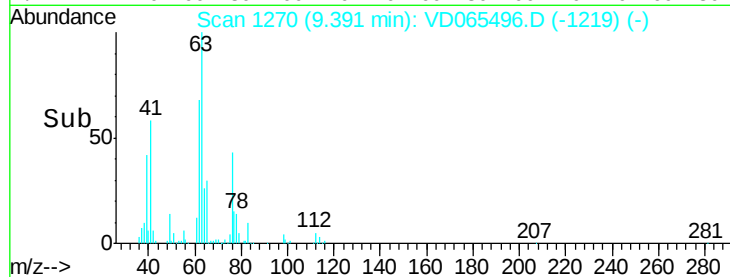
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 55.459 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

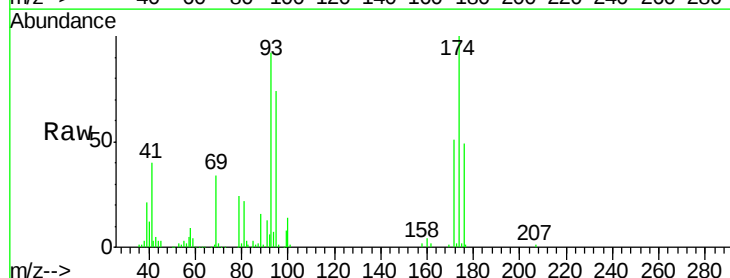
Tgt Ion: 93 Resp: 119727

Ion Ratio Lower Upper

93 100

95 82.0 65.0 97.6

174 112.4 88.3 132.5



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

80000

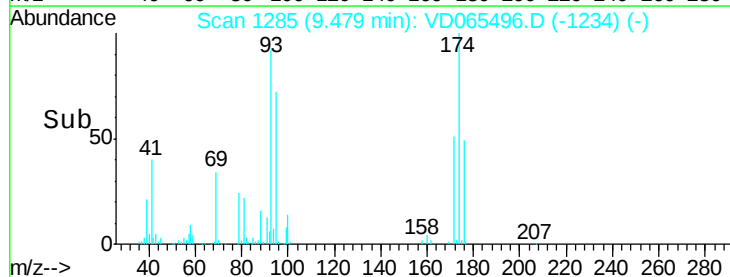
60000

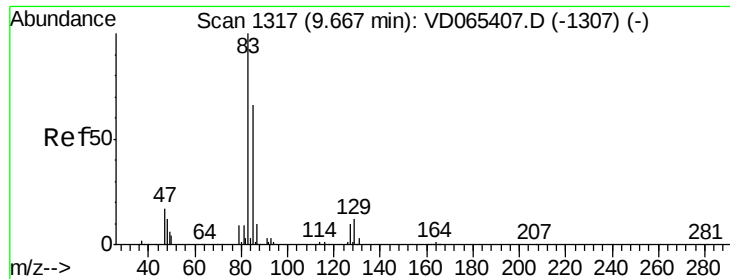
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 54.643 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

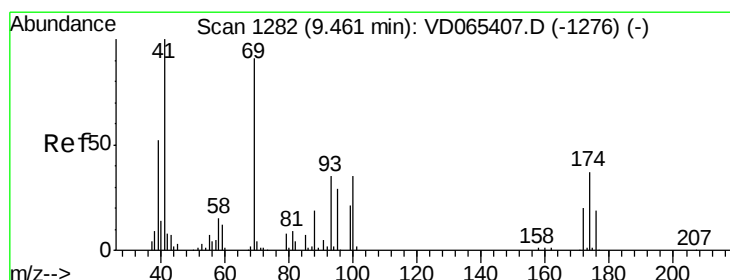
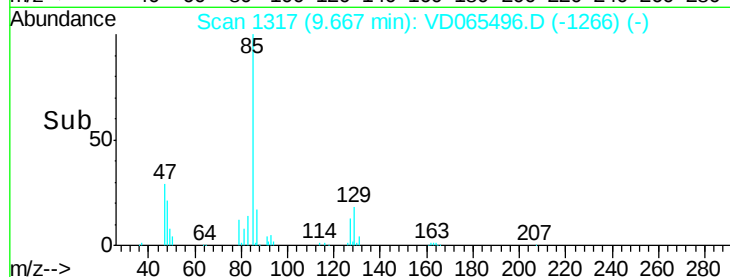
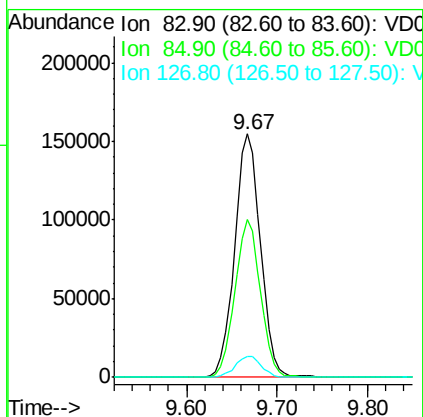
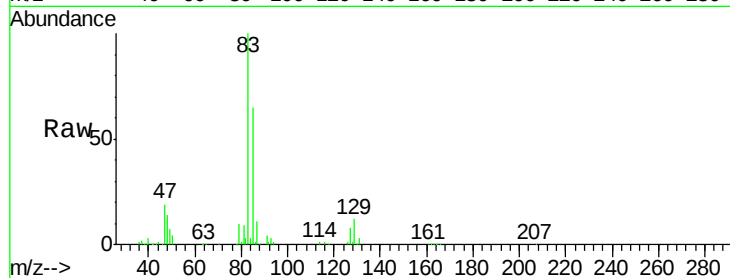
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	306893
Ion Ratio	Lower	Upper	
83	100		
85	64.6	52.8	79.2
127	8.3	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 56.461 ug/l m

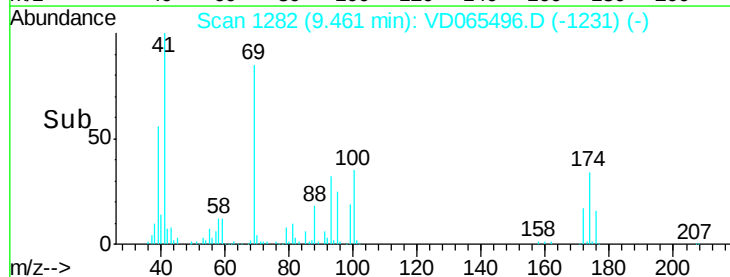
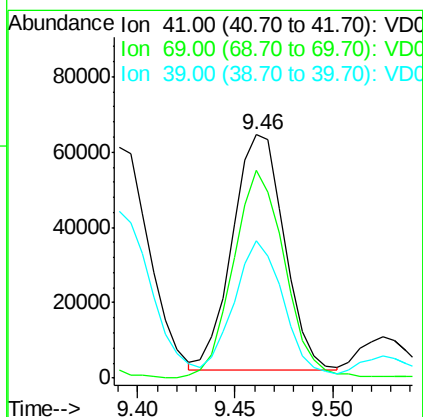
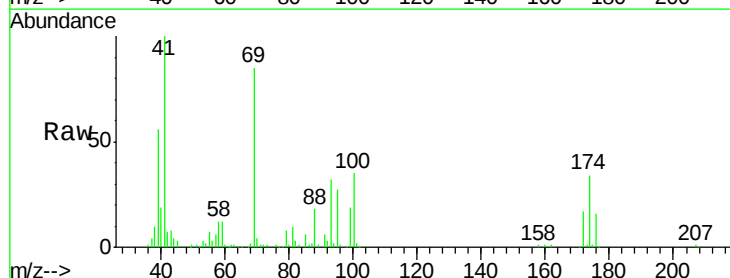
RT: 9.46 min Scan# 1282

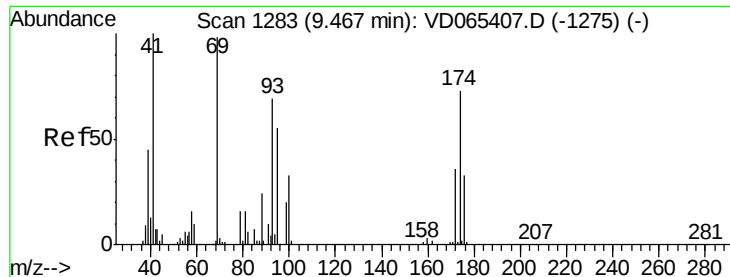
Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Tgt Ion:	41	Resp:	116477
Ion Ratio	Lower	Upper	
41	100		
69	87.6	72.5	108.7
39	52.3	41.6	62.4





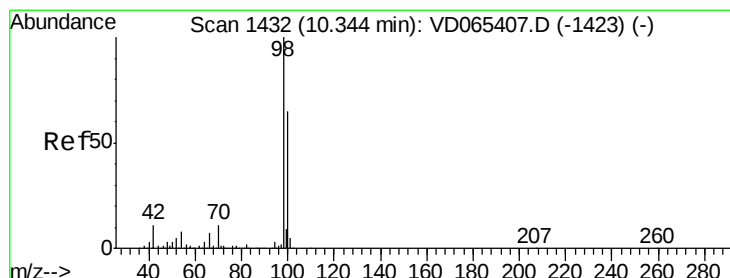
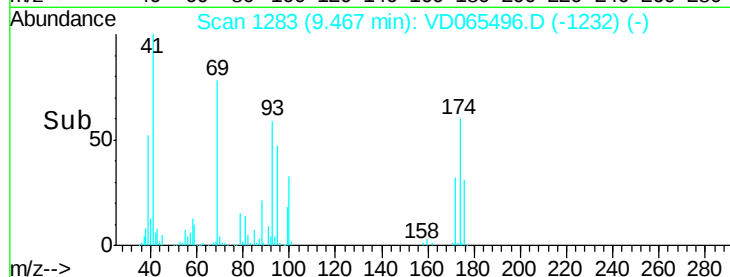
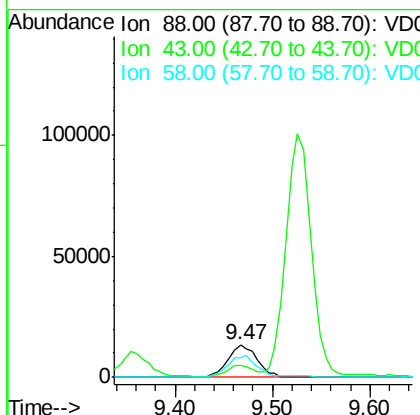
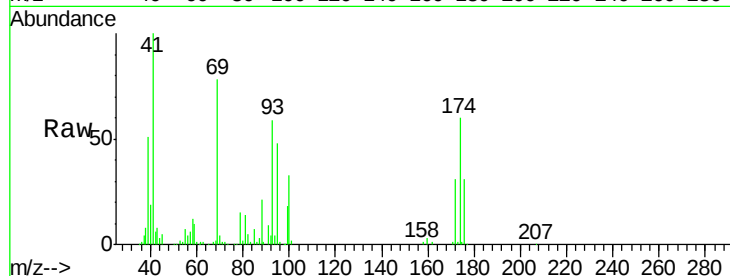
#49
1,4-Dioxane
Concen: 1138.458 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.8	24.5	36.7
58	65.1	54.5	81.7

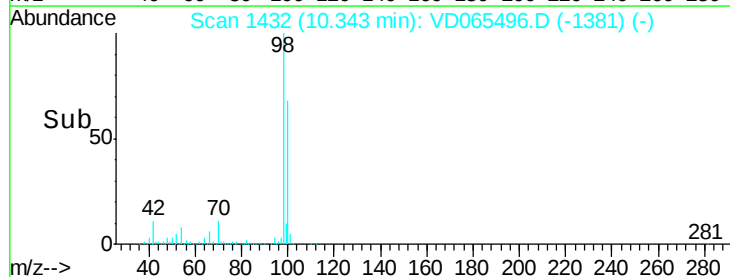
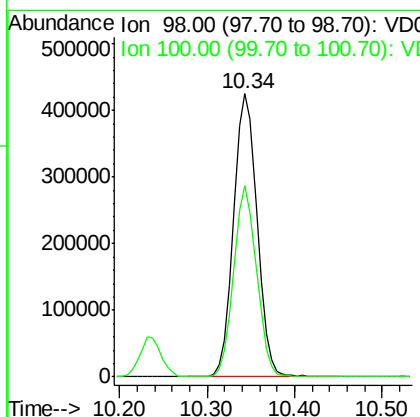
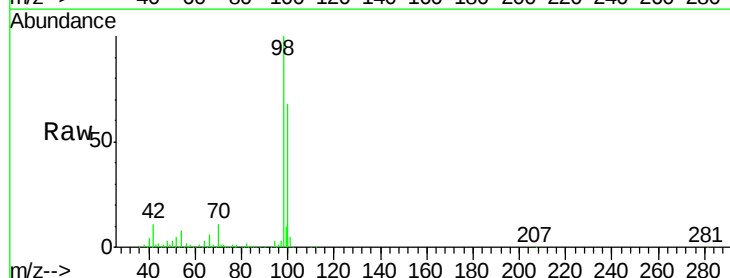
Manual Integrations
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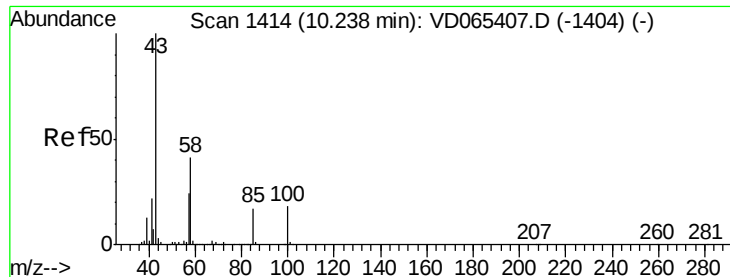
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#50
Toluene-d8
Concen: 50.861 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.8	79.2





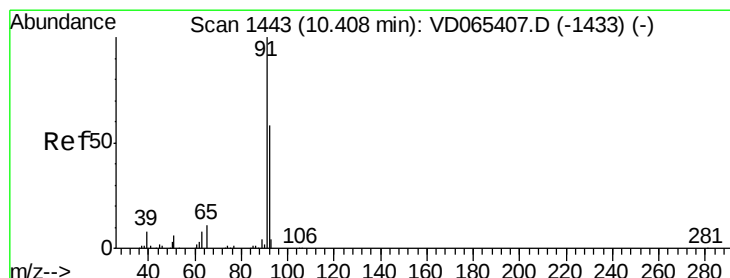
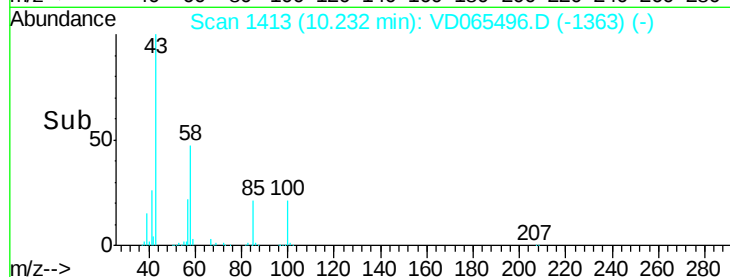
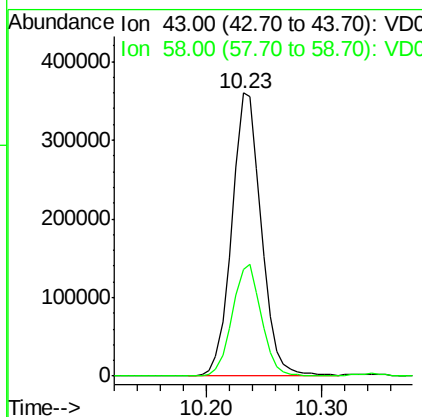
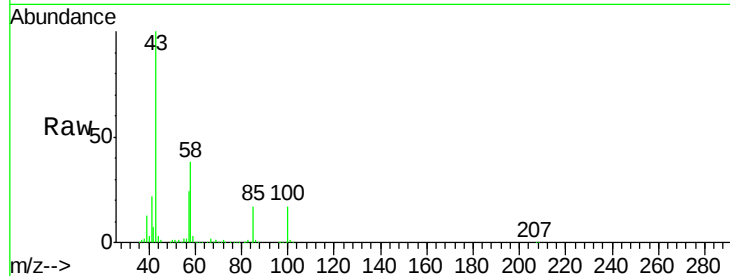
#51
4-Methyl-2-Pentanone
Concen: 287.285 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.1	31.8	47.6

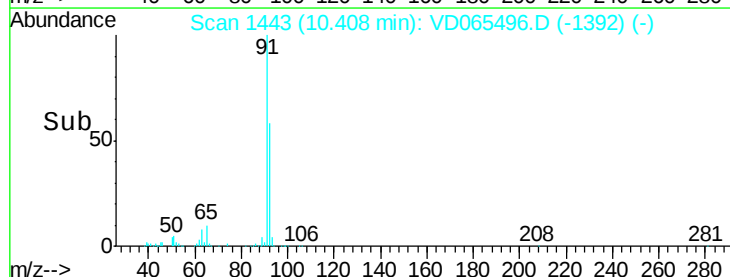
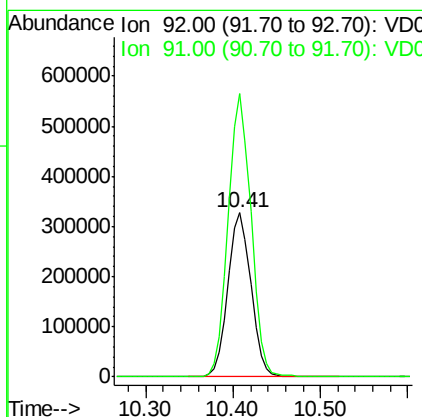
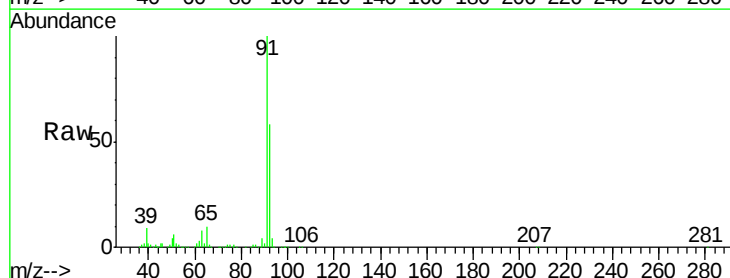
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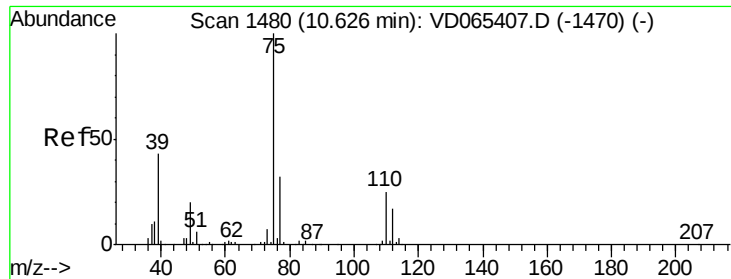
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#52
Toluene
Concen: 54.051 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.5	137.8	206.8





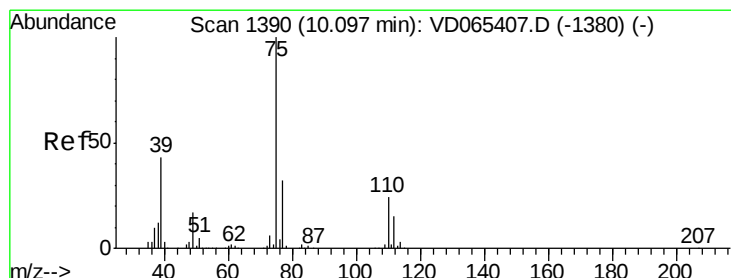
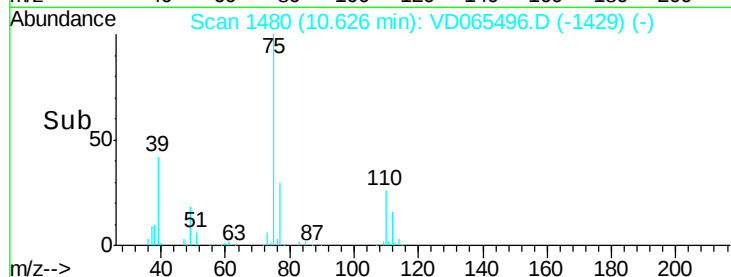
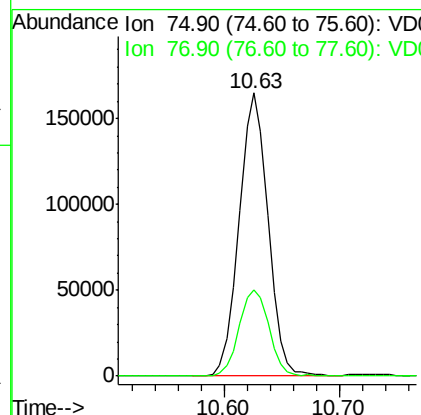
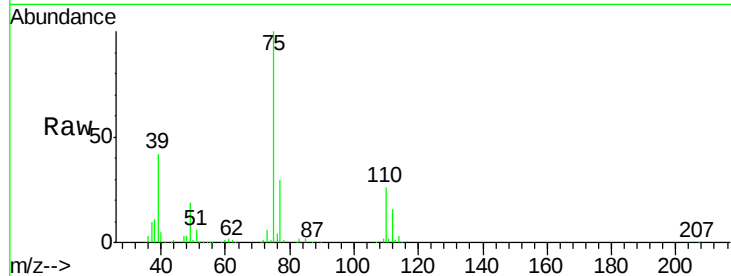
#53
 t-1,3-Dichloropropene
 Concen: 54.612 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 286632
 Ion Ratio Lower Upper
 75 100
 77 30.3 25.4 38.2

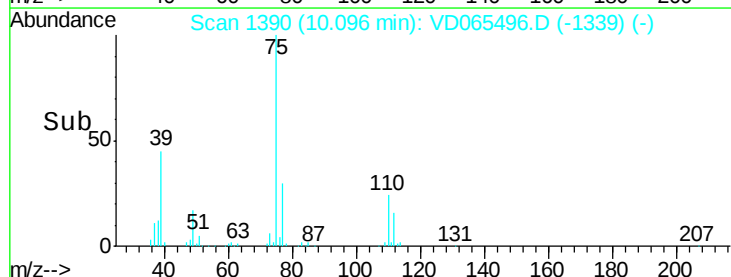
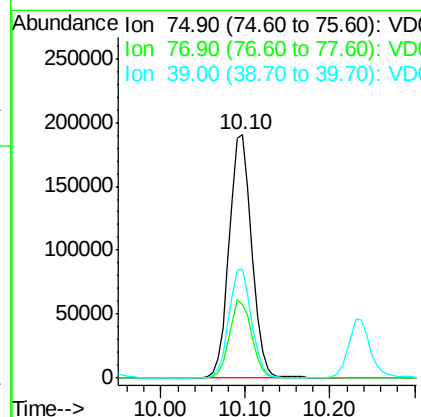
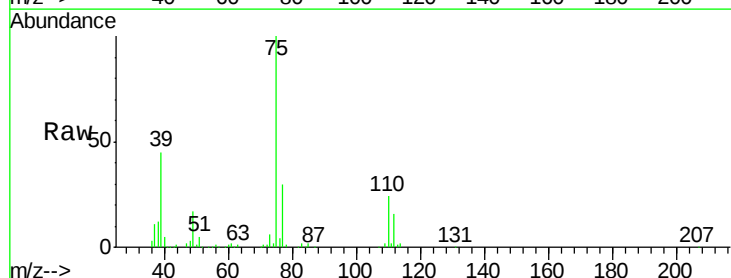
Manual Integrations
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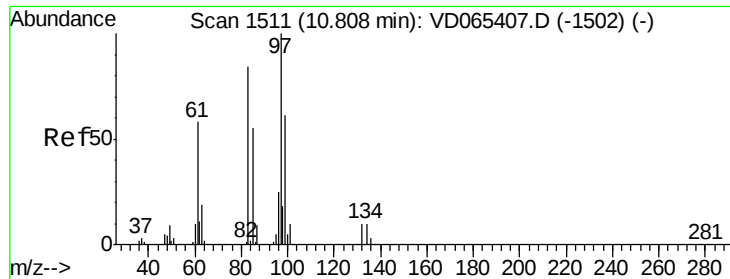
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#54
 cis-1,3-Dichloropropene
 Concen: 55.261 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

Tgt Ion: 75 Resp: 351073
 Ion Ratio Lower Upper
 75 100
 77 30.1 25.3 37.9
 39 45.1 34.6 52.0





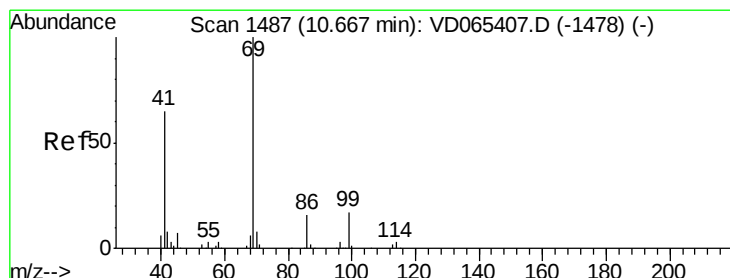
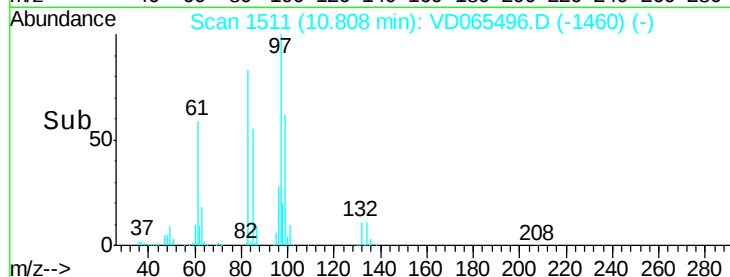
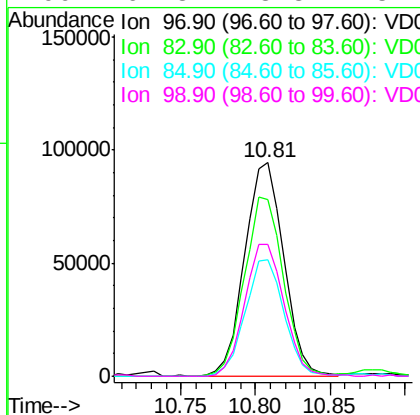
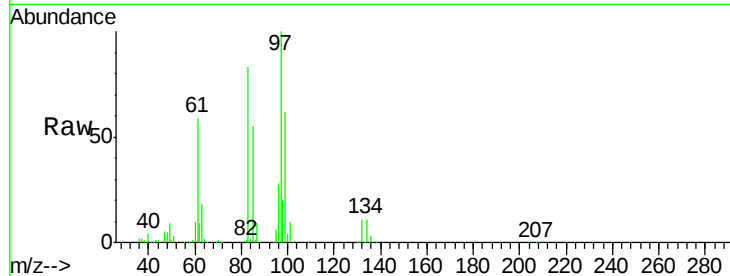
#55
 1,1,2-Trichloroethane
 Concen: 56.075 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		171458		
83	82.8	67.4	101.0		
85	54.7	43.8	65.8		
99	61.8	48.8	73.2		

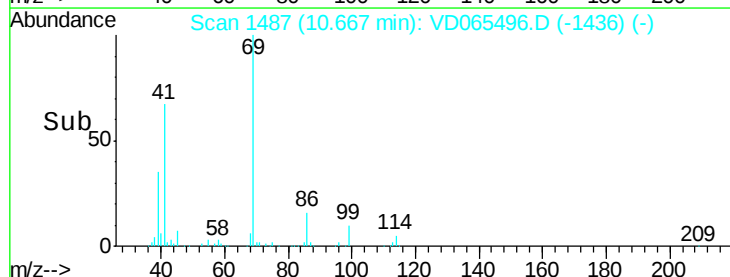
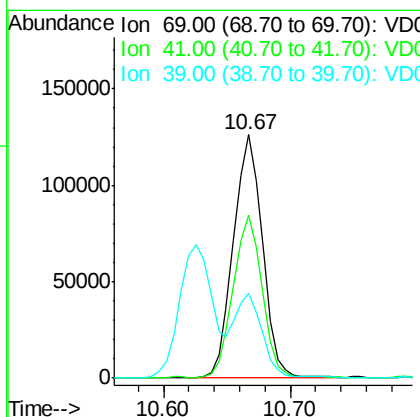
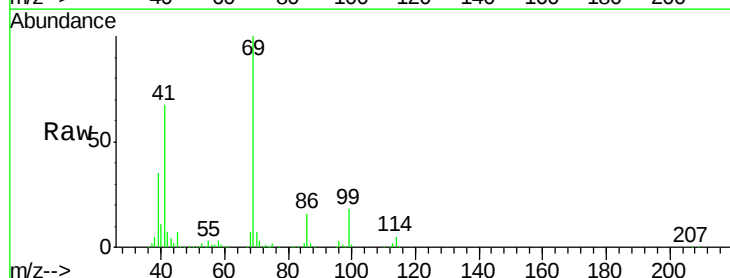
Manual Integrations
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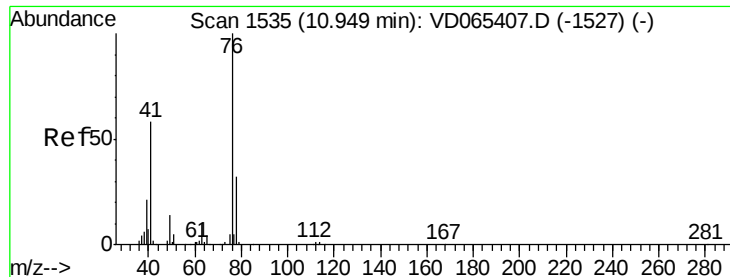
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#56
 Ethyl methacrylate
 Concen: 58.356 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		201155		
41	65.9	53.0	79.6		
39	32.8	26.0	39.0		





#57

1,3-Dichloropropane

Concen: 55.721 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 288271

Ion Ratio Lower Upper

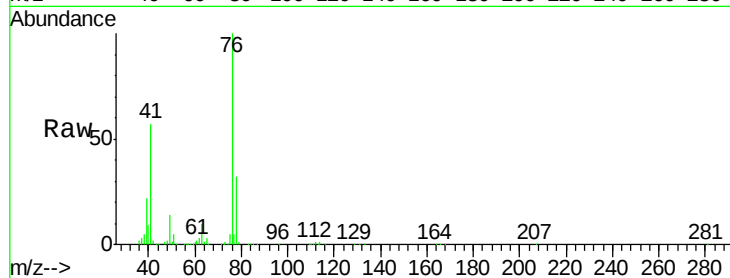
76 100

78 32.4 26.0 39.0

Manual Integrations
APPROVED

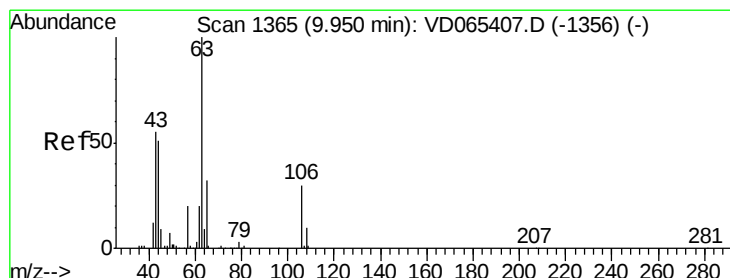
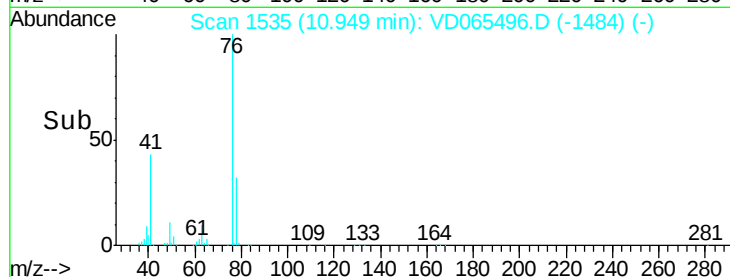
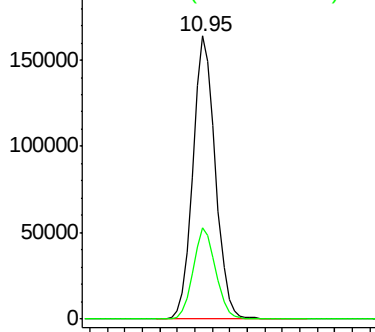
MMDadoda

3/16/2020 12:07:03 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 250.253 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065496.D

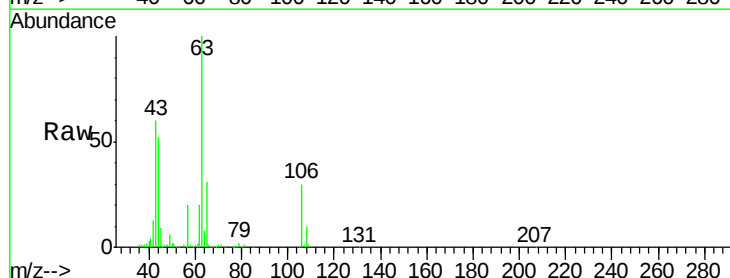
Acq: 12 Mar 2020 21:09

Tgt Ion: 63 Resp: 269610

Ion Ratio Lower Upper

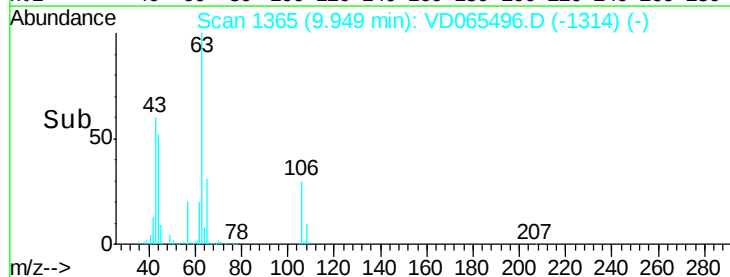
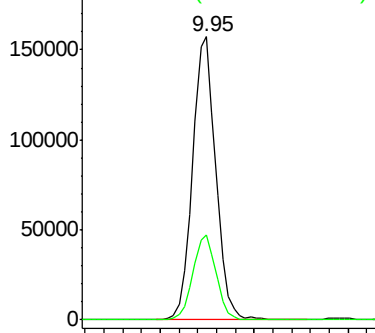
63 100

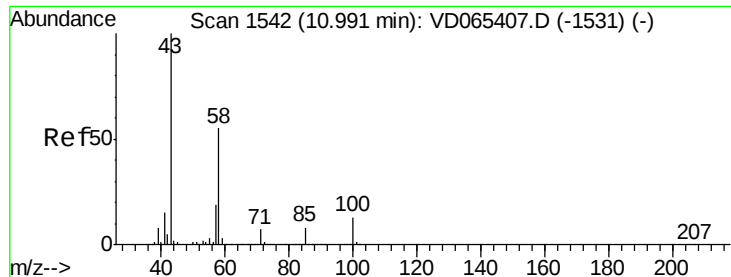
106 29.8 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





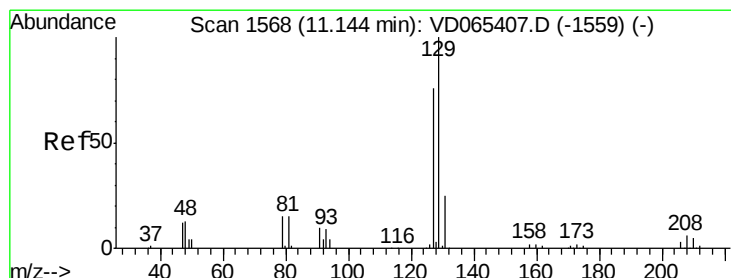
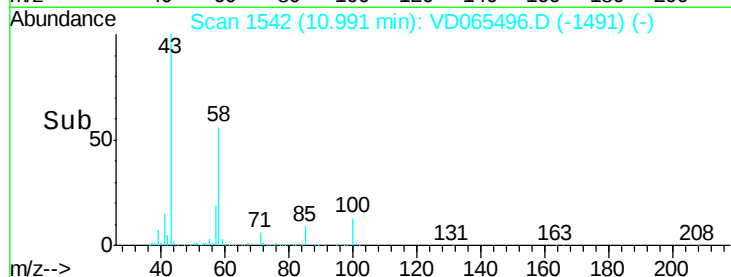
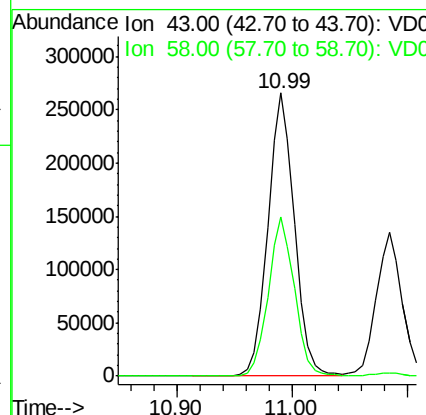
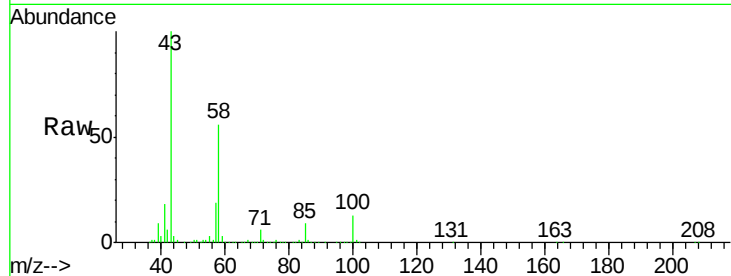
#59
2-Hexanone
Concen: 278.265 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	425120
Ion Ratio	100	Lower	Upper
43	100		
58	55.4	27.4	82.2

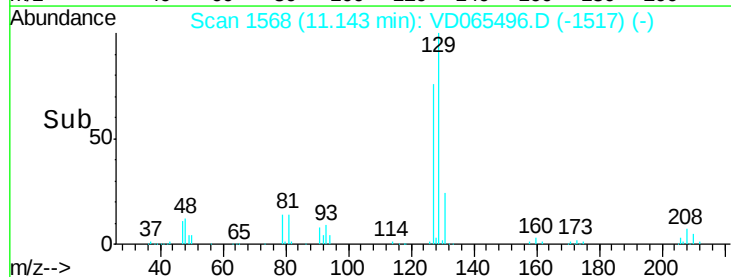
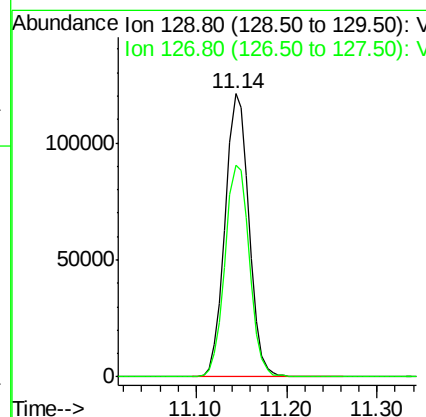
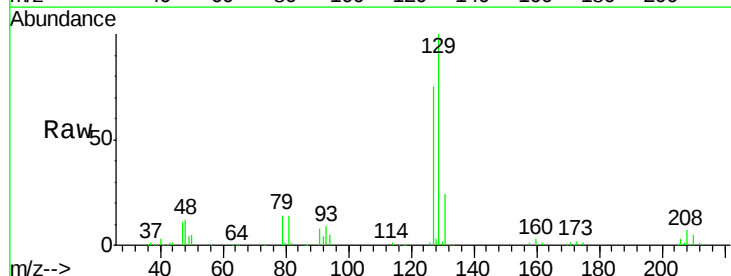
Manual Integrations
APPROVED

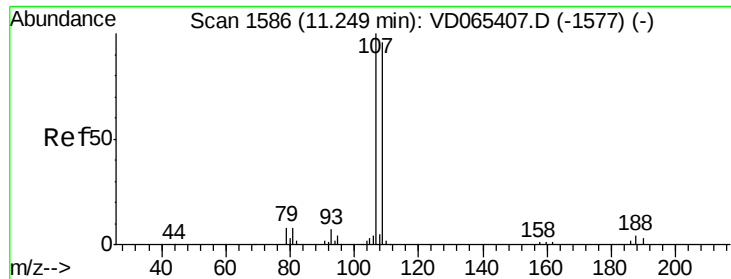
MMDadoda
3/16/2020 12:07:03 PM



#60
Dibromochloromethane
Concen: 56.529 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Tgt Ion	129	Resp	221561	
Ion Ratio	129	100	Lower	Upper
127	76.7	38.5	115.5	





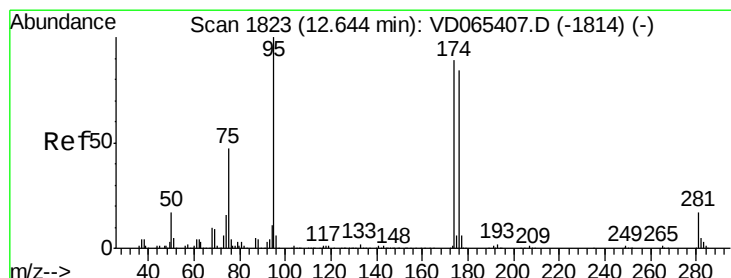
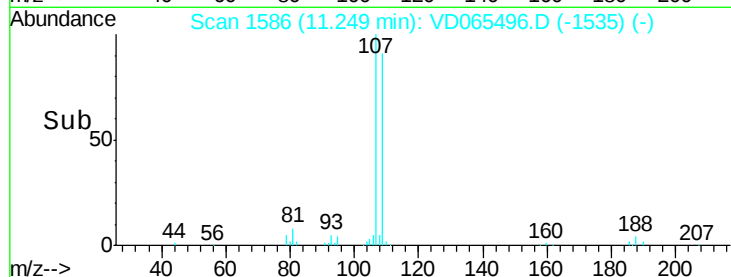
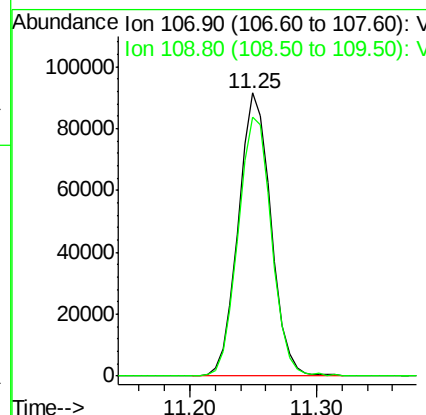
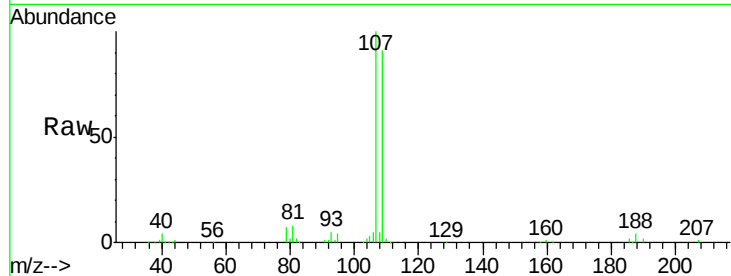
#61
 1,2-Dibromoethane
 Concen: 55.672 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	76.8	115.2

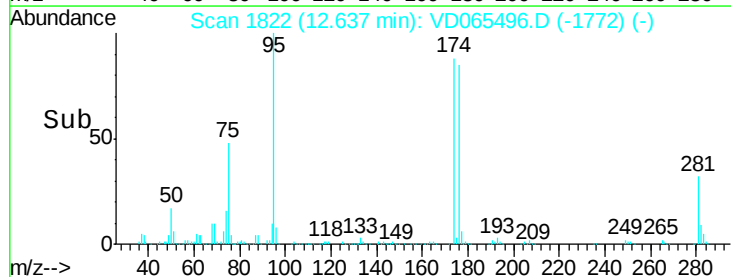
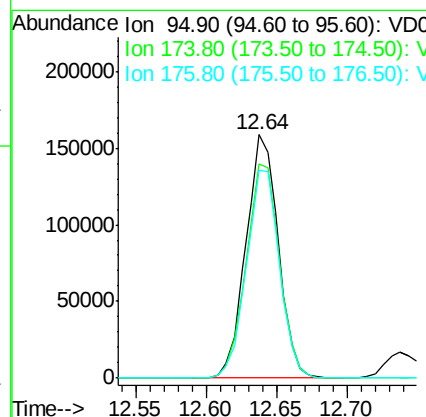
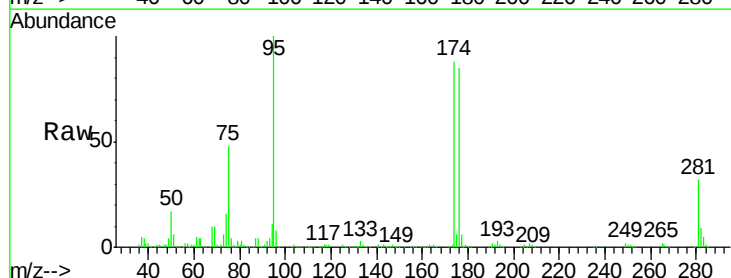
Manual Integrations
 APPROVED

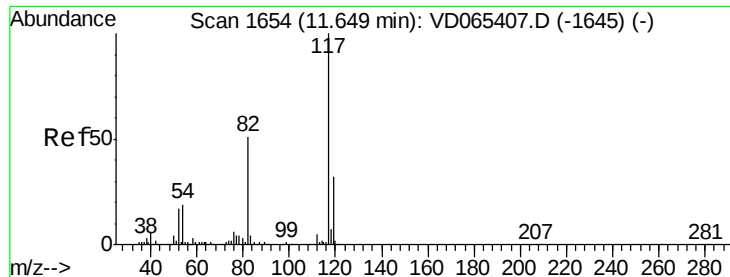
MMDadoda
 3/16/2020 12:07:03 PM



#62
 4-Bromofluorobenzene
 Concen: 54.345 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.0	0.0	176.8
176	87.4	0.0	171.4





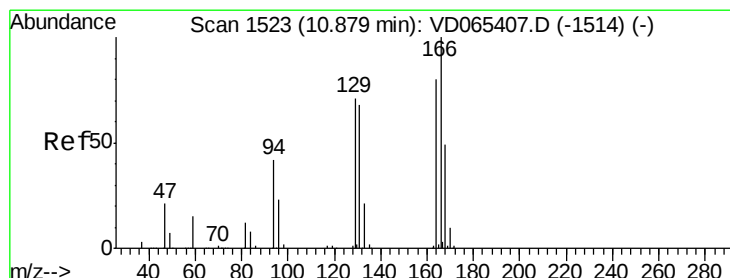
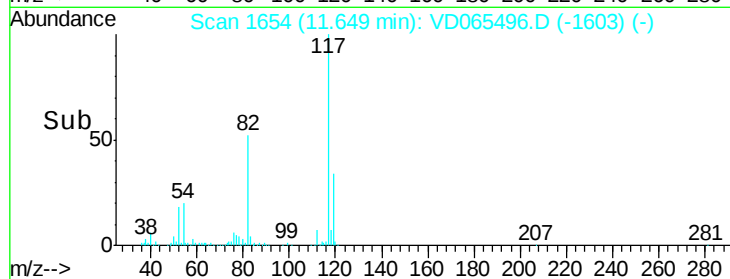
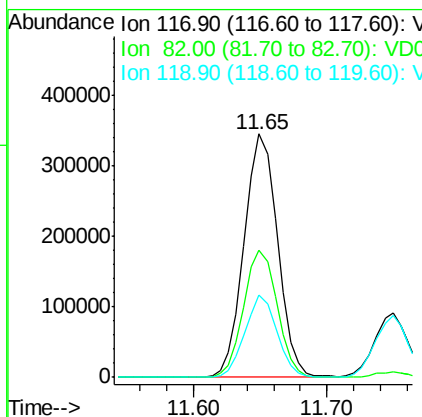
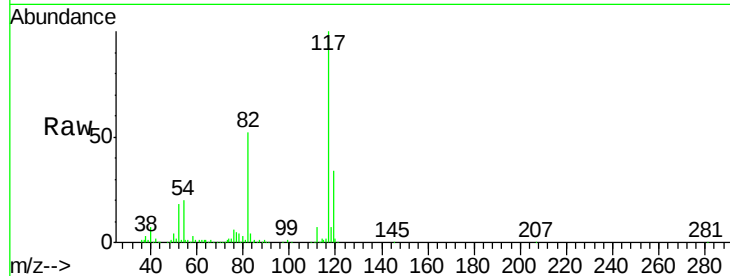
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	599697		
82	52.3		40.6	60.8
119	33.6		25.4	38.2

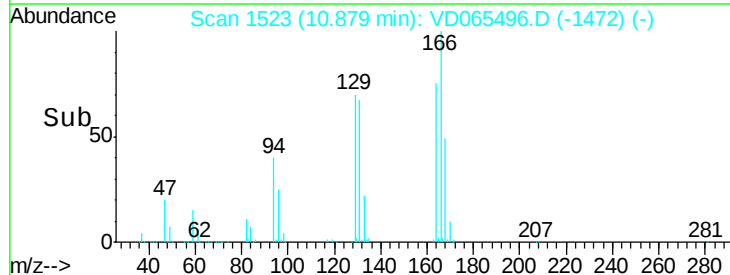
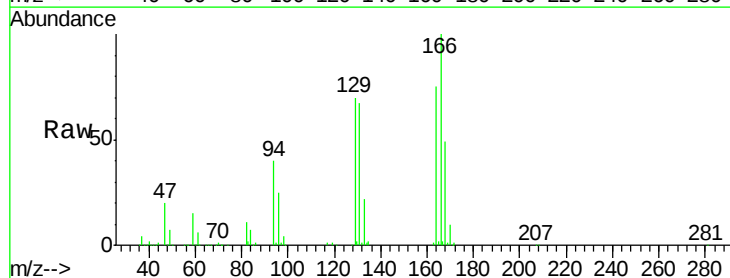
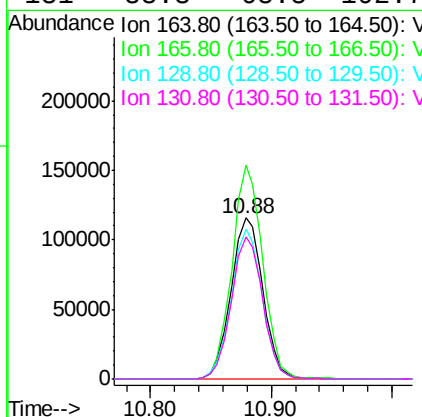
Manual Integrations
APPROVED

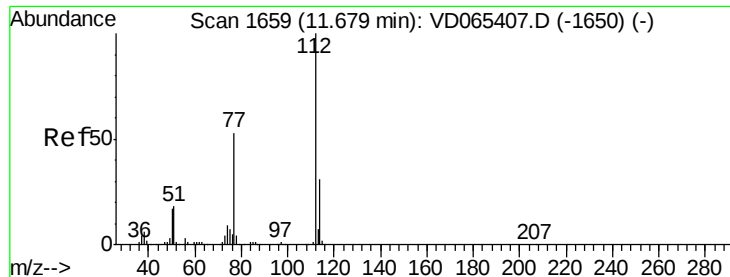
MMDadoda
3/16/2020 12:07:03 PM



#64
Tetrachloroethene
Concen: 49.679 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	213480		
166	132.6		100.5	150.7
129	93.1		71.5	107.3
131	88.3		68.5	102.7





#65

Chlorobenzene

Concen: 52.491 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 622933

Ion Ratio Lower Upper

112 100

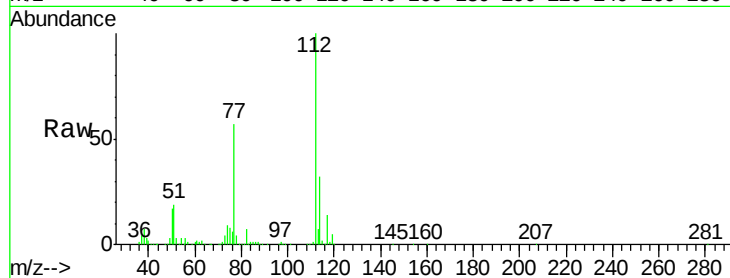
114 31.7 24.4 36.6

Manual Integrations

APPROVED

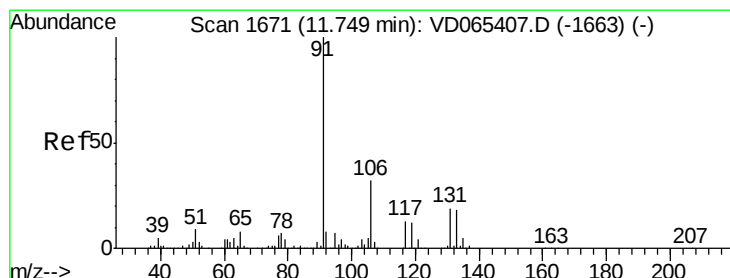
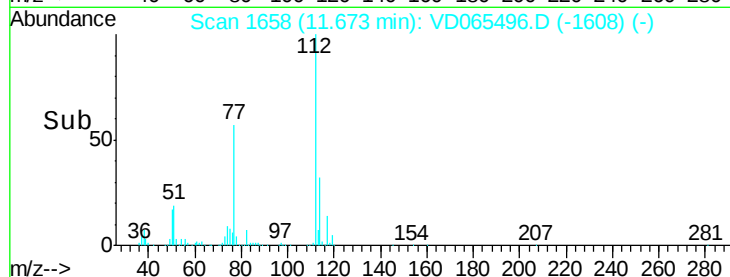
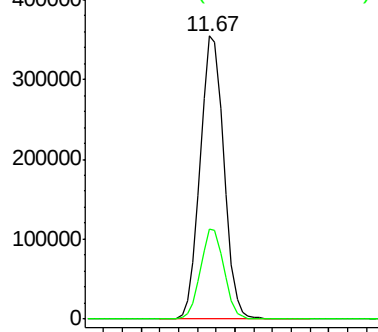
MMDadoda

3/16/2020 12:07:03 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.447 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

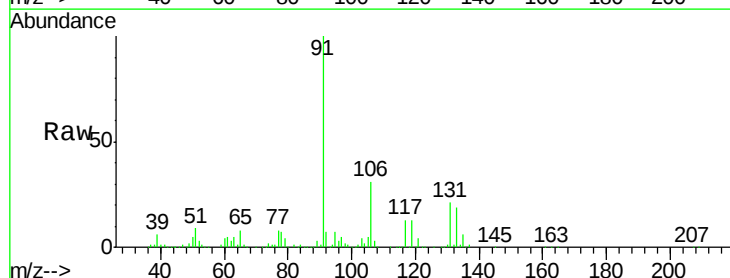
Tgt Ion:131 Resp: 235328

Ion Ratio Lower Upper

131 100

133 95.3 49.2 147.6

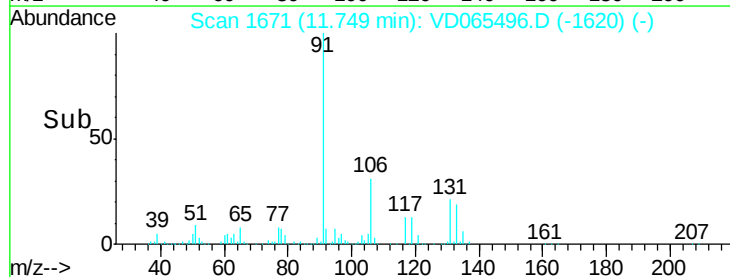
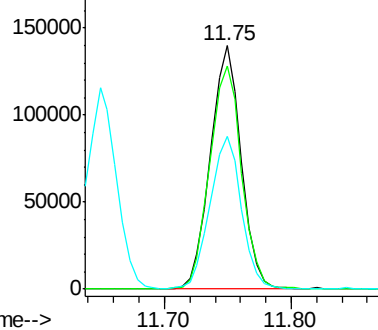
119 64.1 33.3 99.8

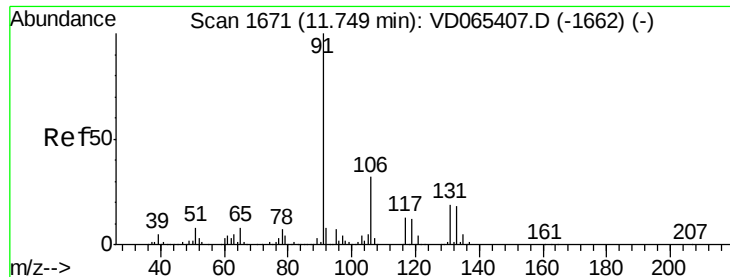


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





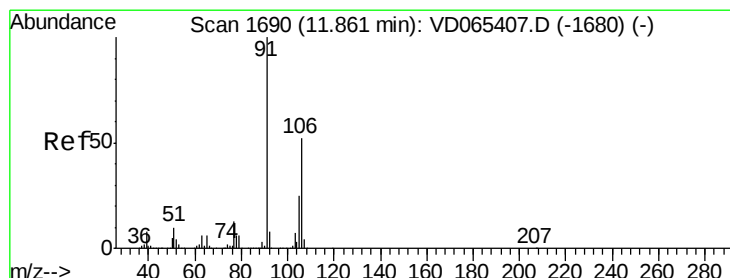
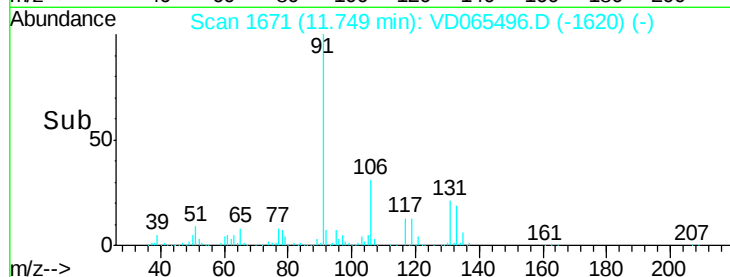
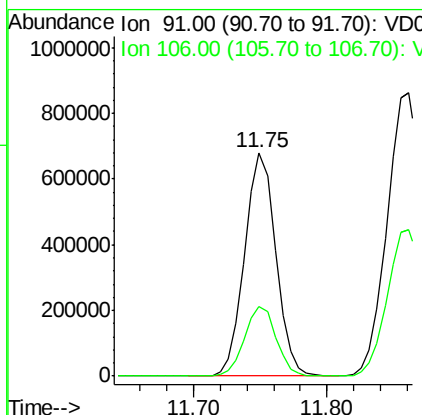
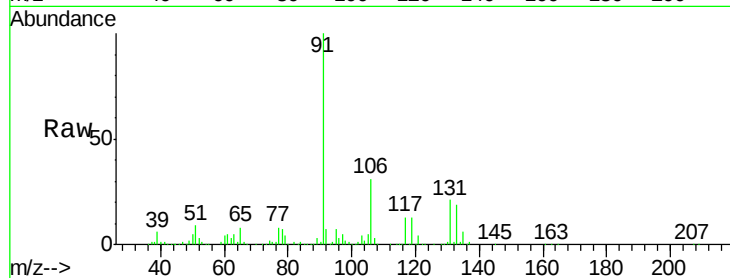
#67
Ethyl Benzene
Concen: 53.530 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1097658
Ion Ratio Lower Upper
91 100
106 31.2 25.2 37.8

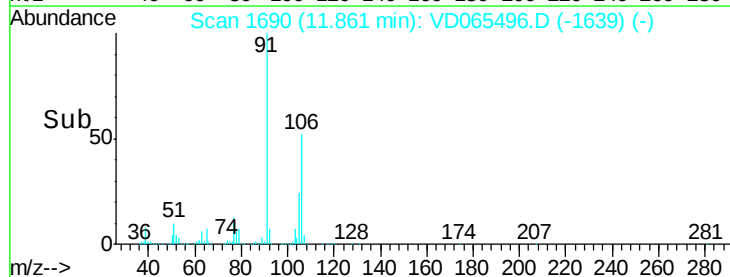
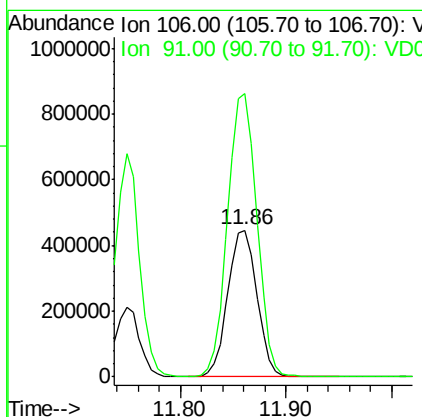
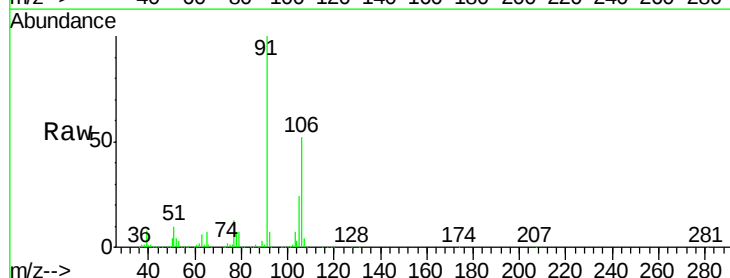
Manual Integrations
APPROVED

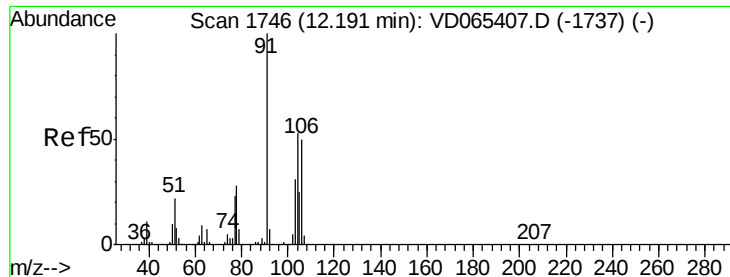
MMDadoda
3/16/2020 12:07:03 PM



#68
m/p-Xylenes
Concen: 107.555 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Tgt Ion: 106 Resp: 850400
Ion Ratio Lower Upper
106 100
91 194.7 155.9 233.9





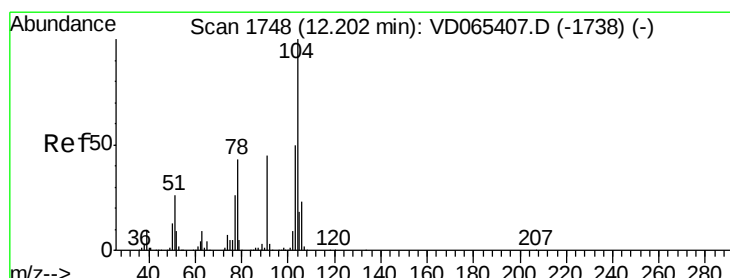
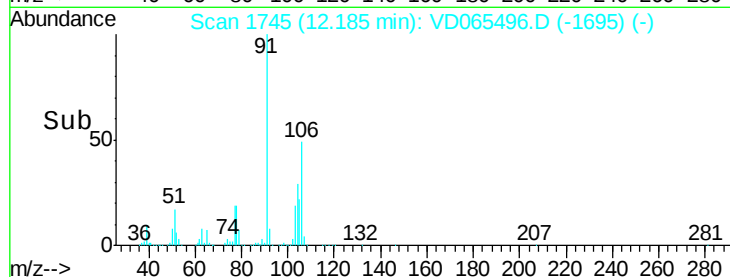
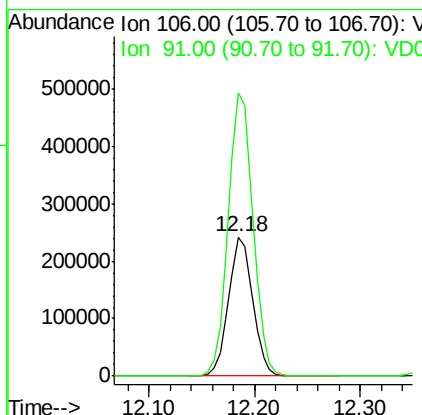
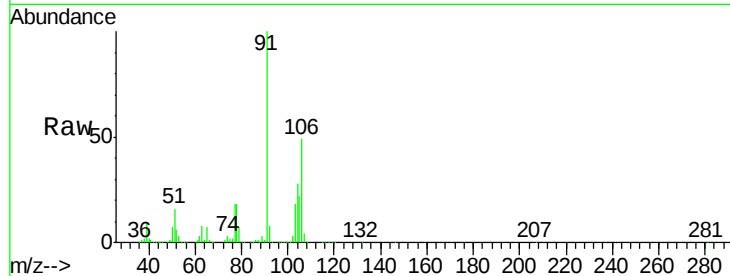
#69
o-Xylene
Concen: 55.067 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		382990		
91	208.4	103.5	310.3		

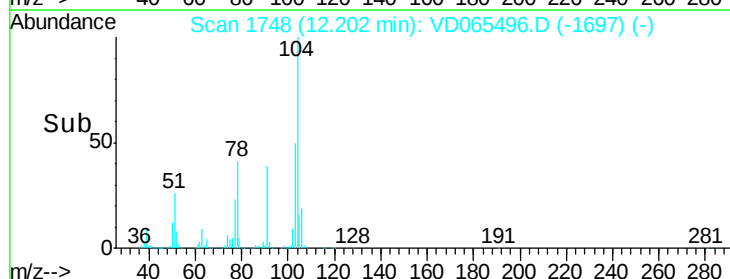
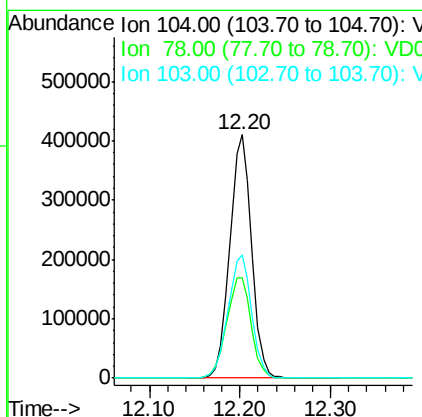
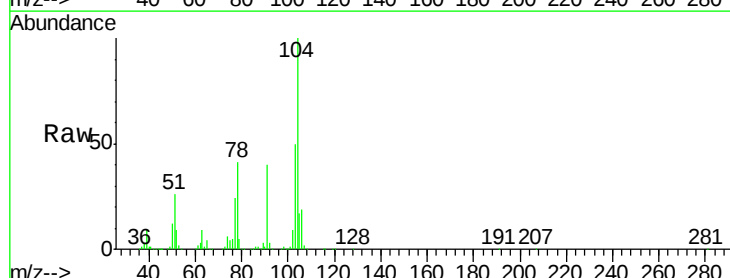
Manual Integrations
APPROVED

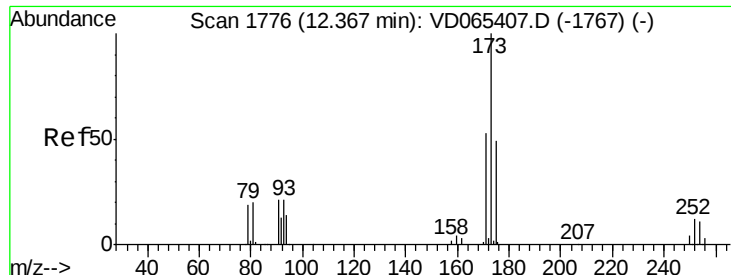
MMDadoda
3/16/2020 12:07:03 PM



#70
Styrene
Concen: 56.165 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		687474		
78	46.2	37.7	56.5		
103	54.6	43.6	65.4		





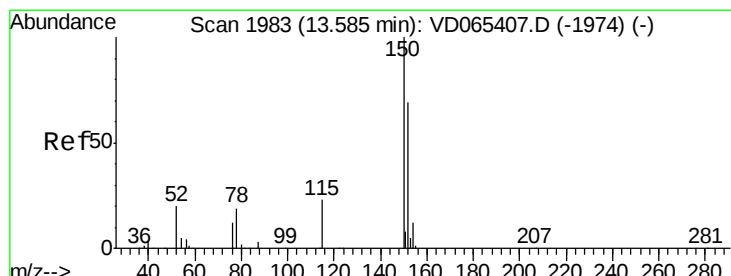
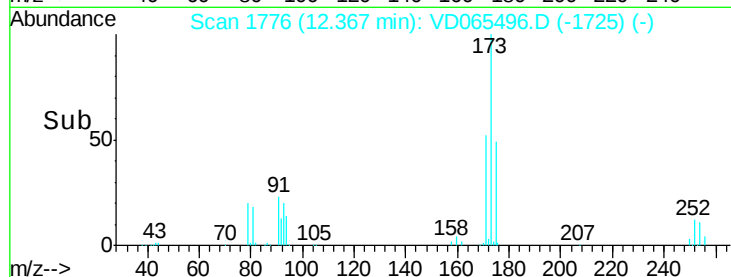
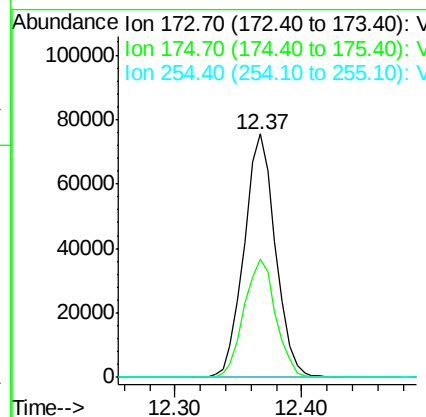
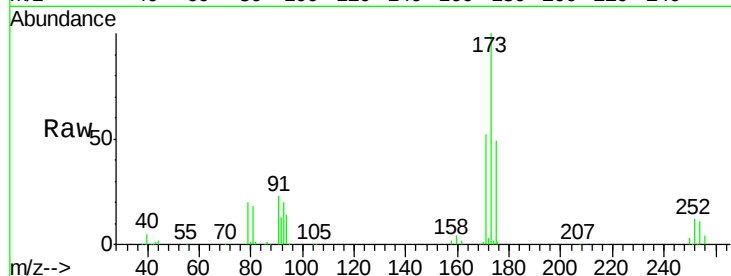
#71
Bromoform
Concen: 53.397 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	73.0
254	0.1	0.1	0.1#

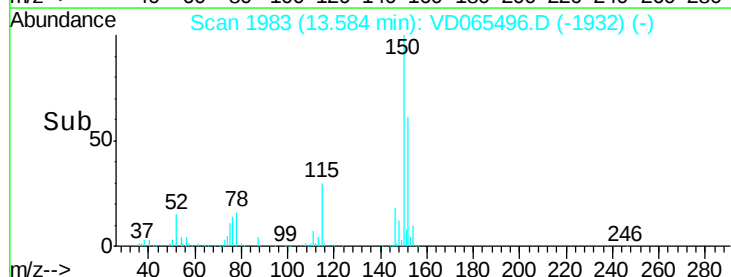
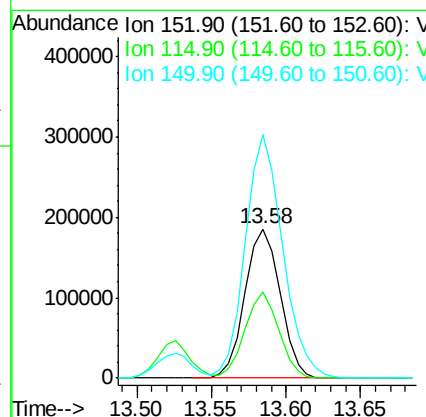
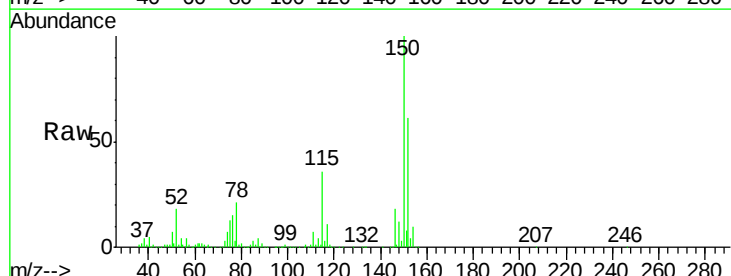
Manual Integrations
APPROVED

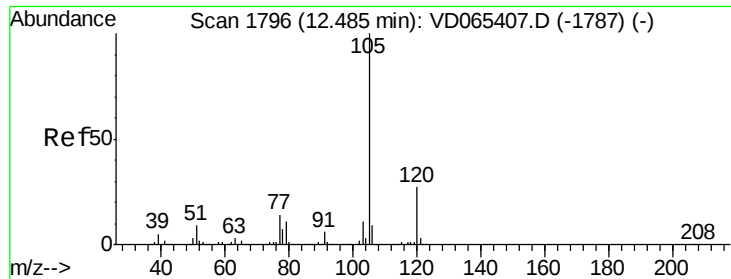
MMDadoda
3/16/2020 12:07:03 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.6	82.8
150	173.2	0.0	345.0





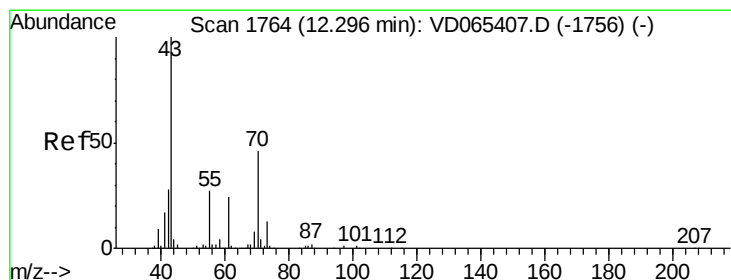
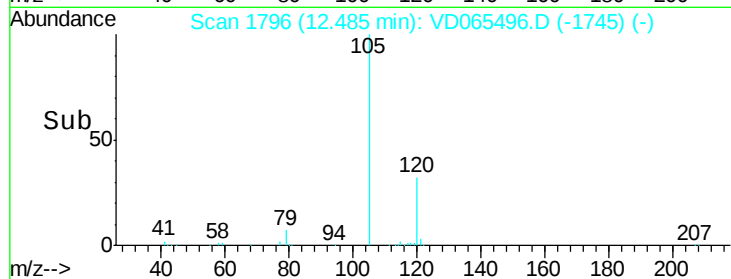
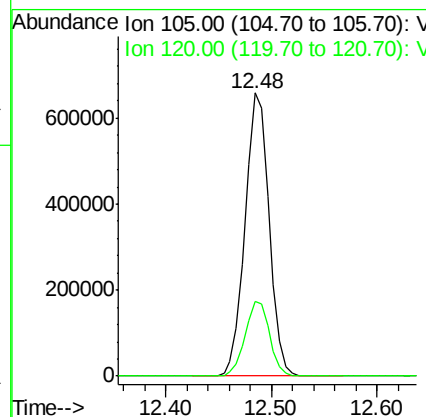
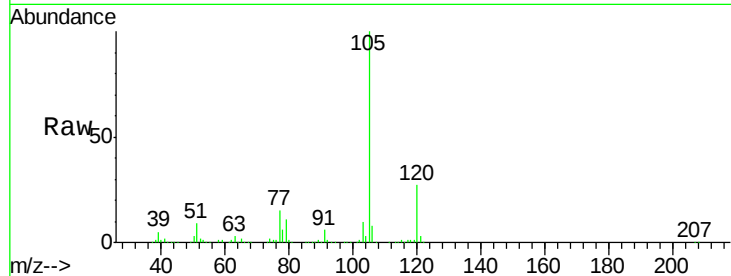
#73
Isopropylbenzene
Concen: 51.791 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 1035279
Ion Ratio Lower Upper
105 100
120 26.8 13.5 40.4

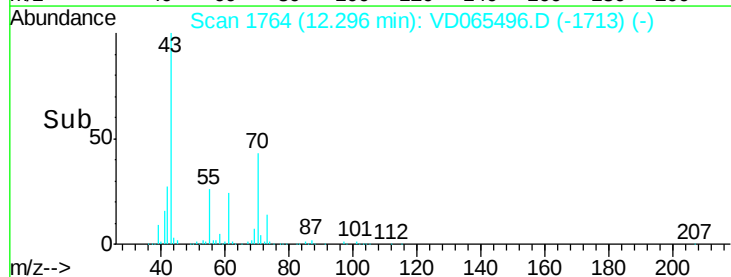
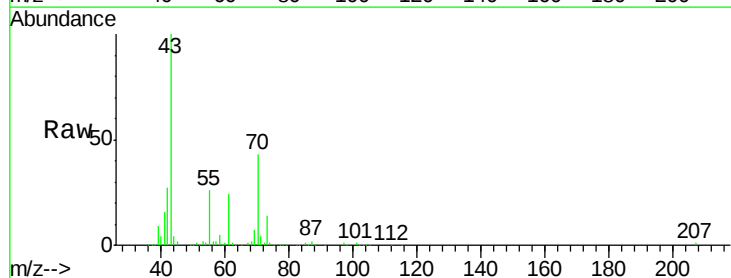
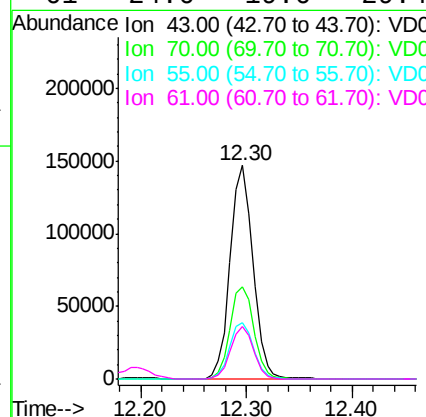
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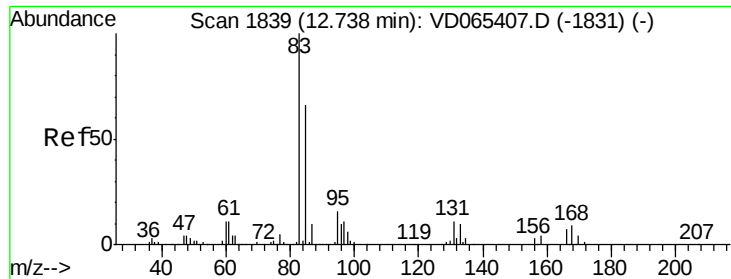
MMDadoda
3/16/2020 12:07:03 PM



#74
N-ethyl acetate
Concen: 53.894 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Tgt Ion: 43 Resp: 220555
Ion Ratio Lower Upper
43 100
70 44.8 36.1 54.1
55 27.7 21.6 32.4
61 24.6 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 52.077 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

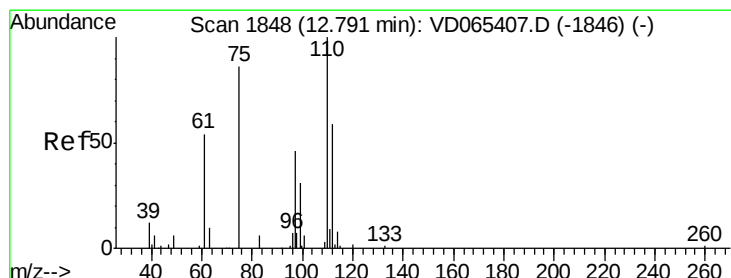
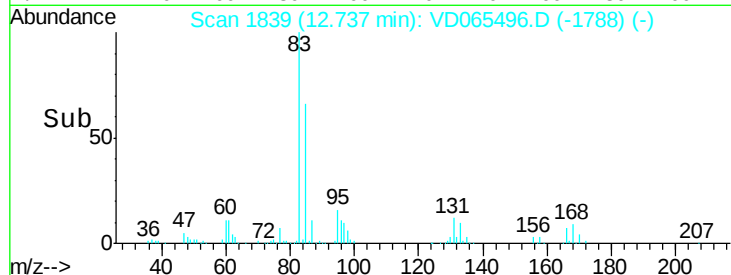
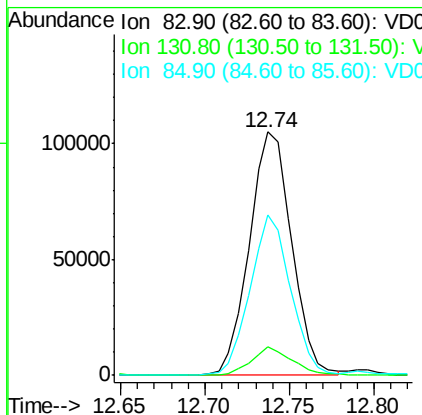
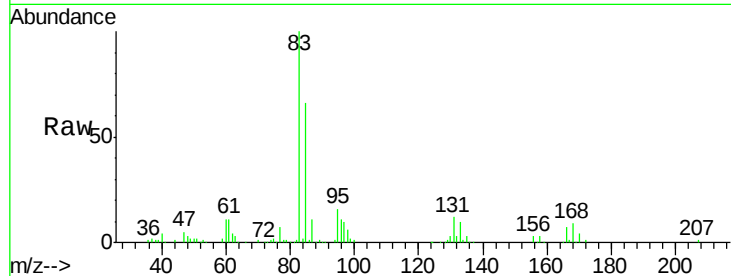
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	182984
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.4	16.2
85	63.0	33.0	98.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.920 ug/l m

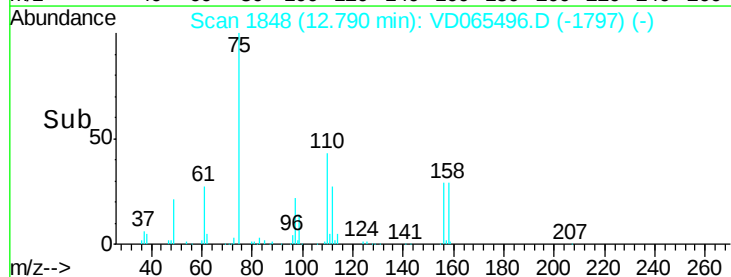
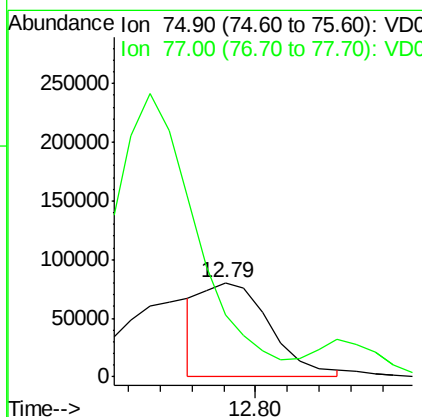
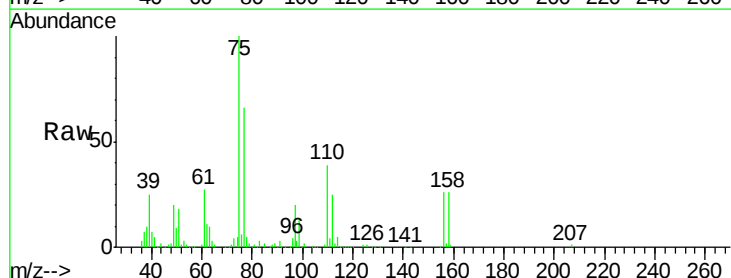
RT: 12.79 min Scan# 1848

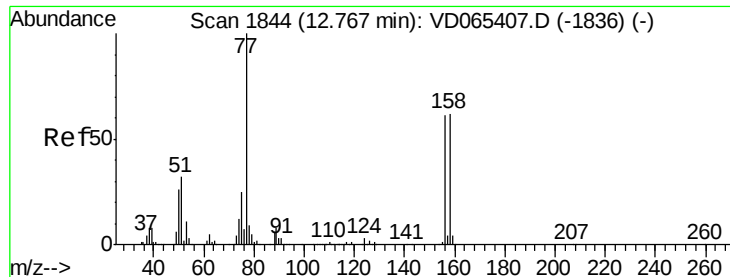
Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Tgt Ion:	75	Resp:	119714
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.145 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 258973

Ion Ratio Lower Upper

156 100

77 170.9 84.9 254.6

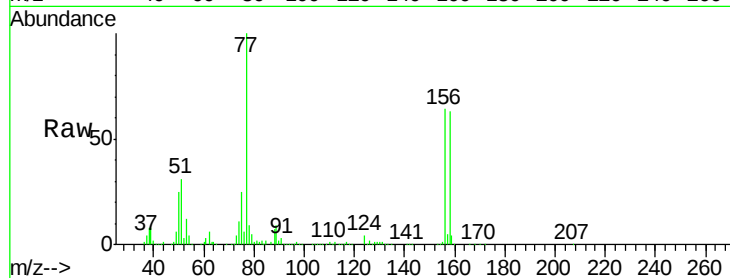
158 98.9 49.0 147.2

Manual Integrations

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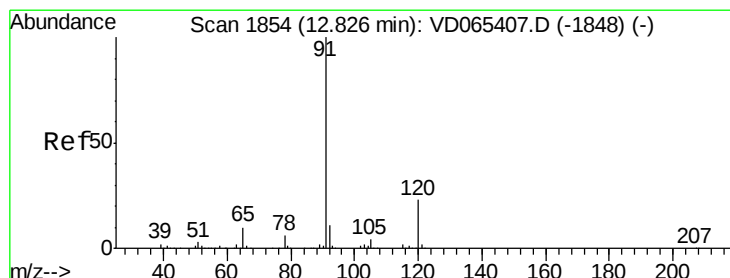
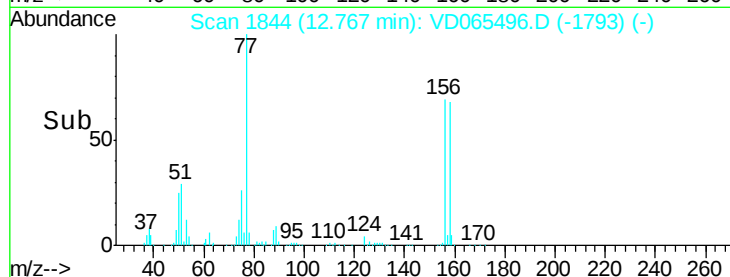
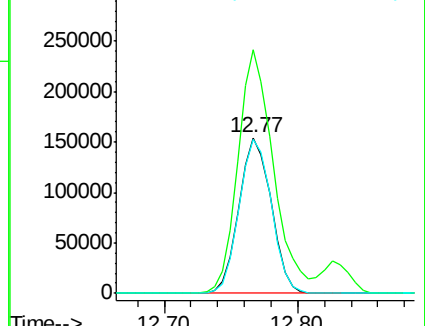
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.538 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065496.D

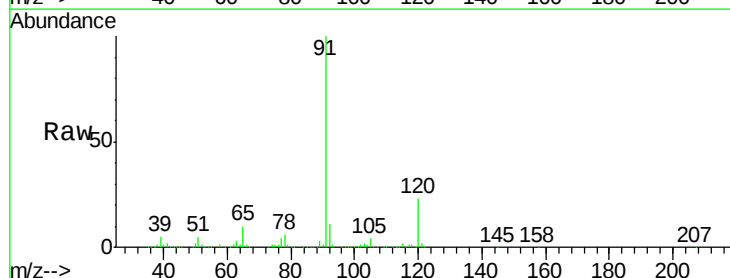
Acq: 12 Mar 2020 21:09

Tgt Ion: 91 Resp: 1222360

Ion Ratio Lower Upper

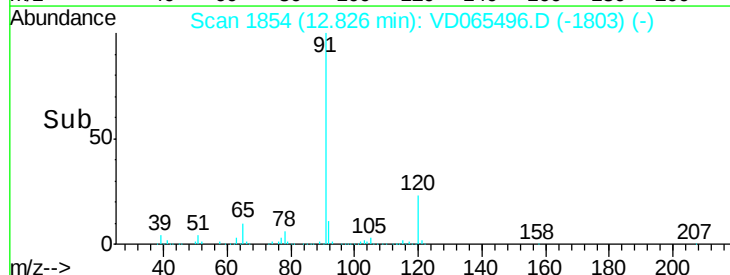
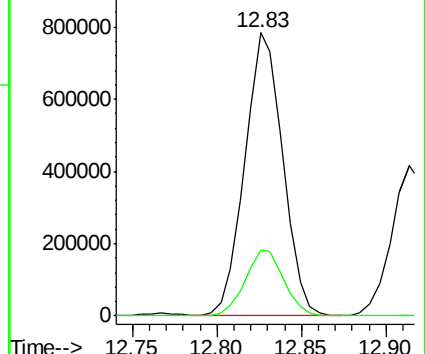
91 100

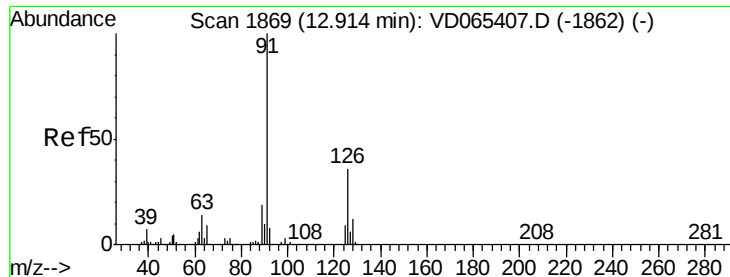
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





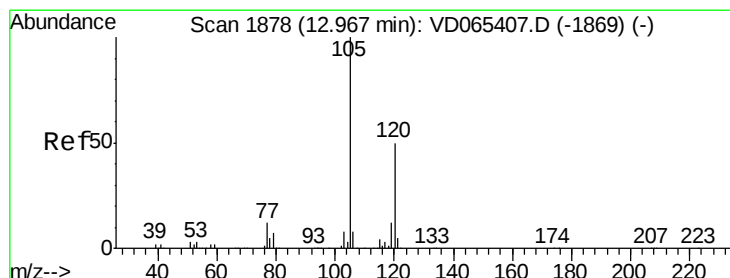
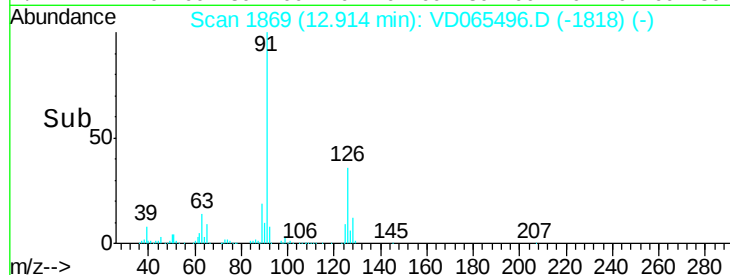
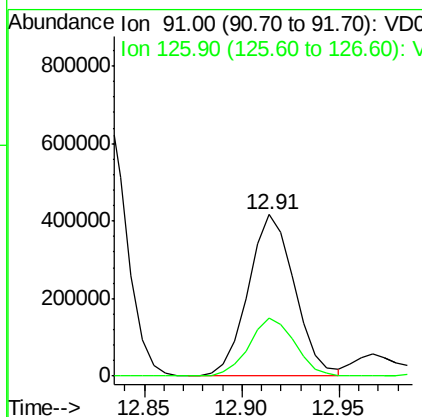
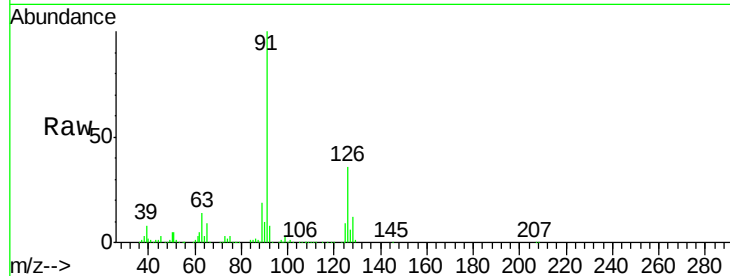
#79
 2-Chlorotoluene
 Concen: 51.246 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 685007
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.9 53.8

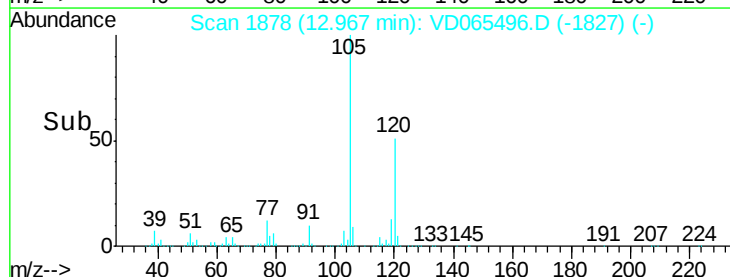
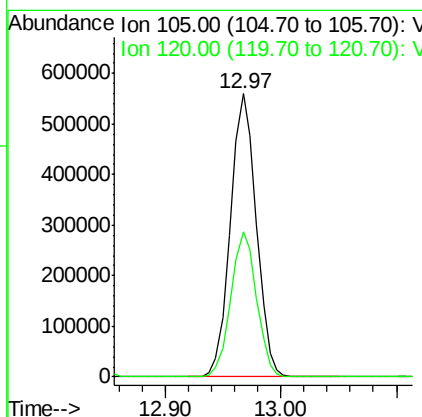
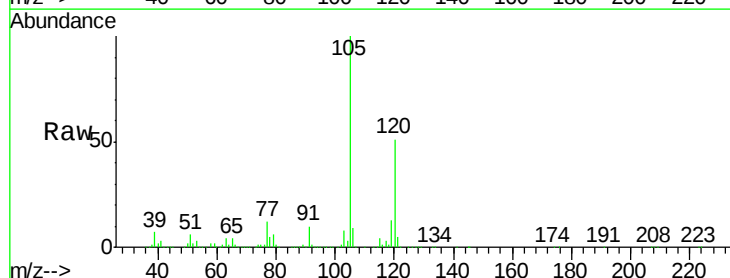
Manual Integrations
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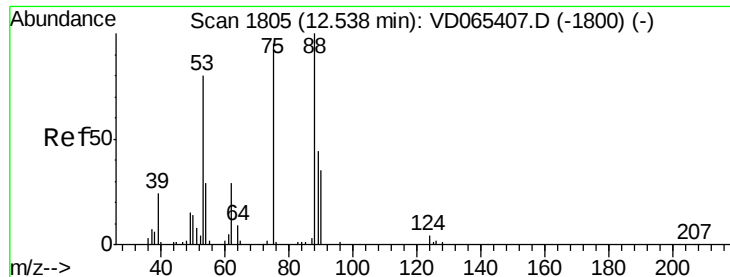
MMDadoda
 3/16/2020 12:07:03 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 52.683 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

Tgt Ion: 105 Resp: 865778
 Ion Ratio Lower Upper
 105 100
 120 51.0 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 48.884 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

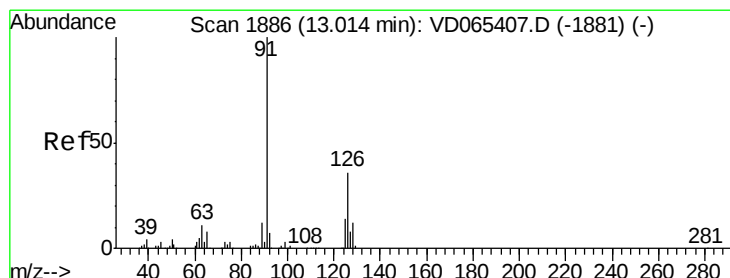
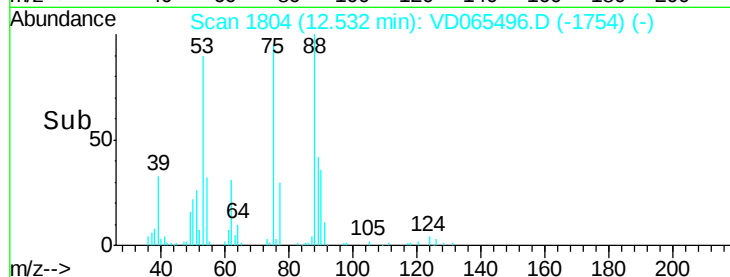
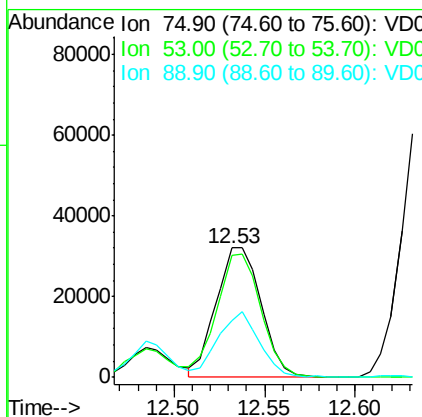
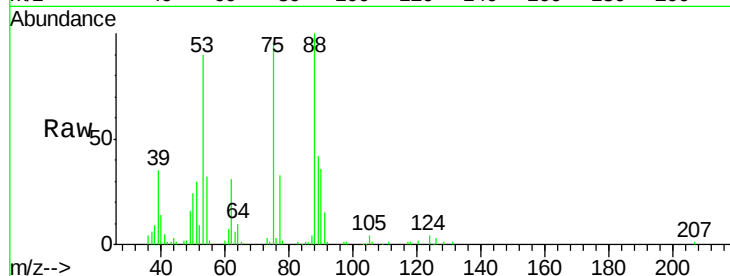
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	55551
Ion	Ratio	Lower	Upper
75	100		
53	93.5	71.3	106.9
89	46.5	37.0	55.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.607 ug/l

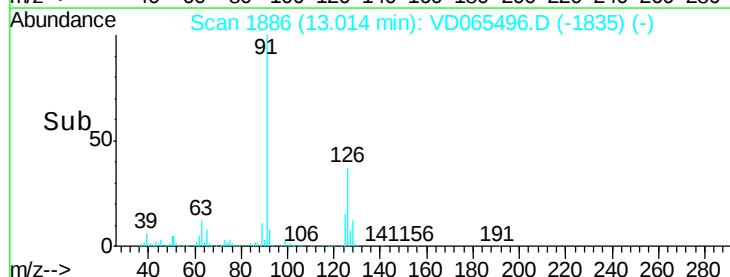
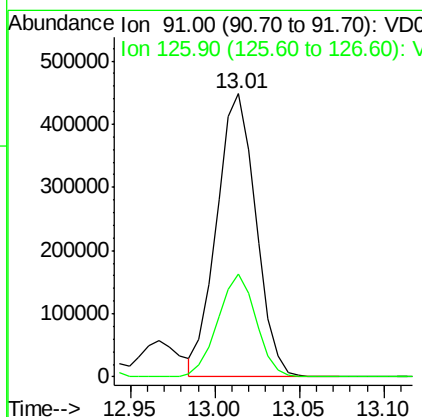
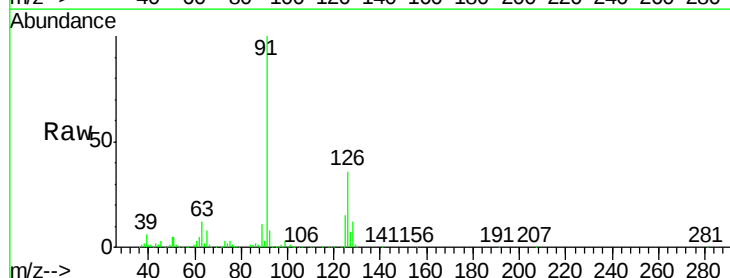
RT: 13.01 min Scan# 1886

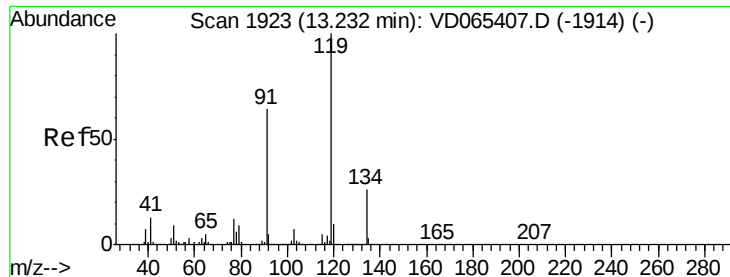
Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Tgt Ion:	91	Resp:	724887
Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.6	52.8





#83

tert-Butylbenzene

Concen: 51.928 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

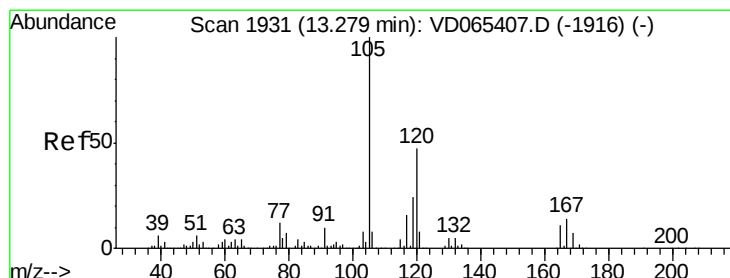
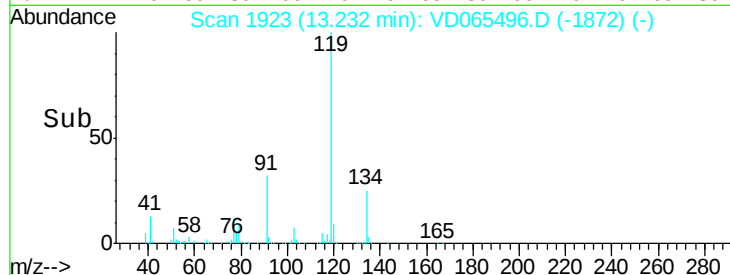
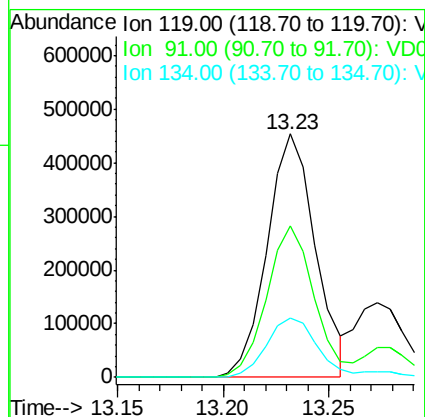
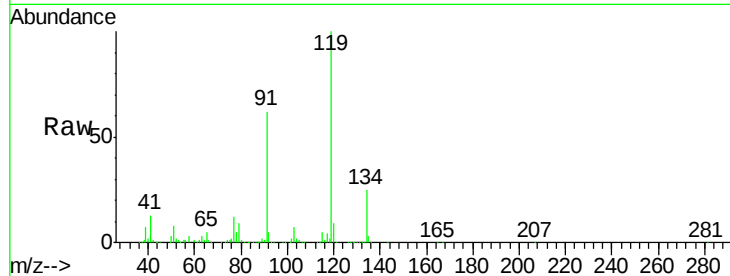
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	721956
Ion Ratio	Lower	Upper	
119	100		
91	61.8	31.6	95.0
134	27.6	14.2	42.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 53.619 ug/l

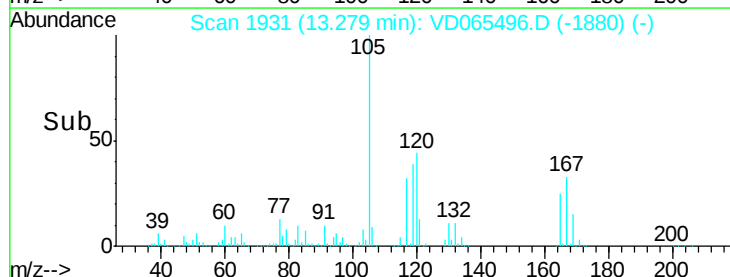
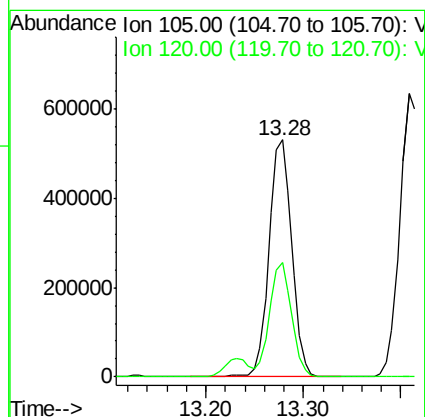
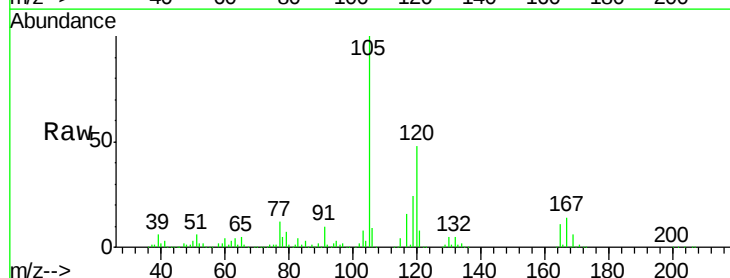
RT: 13.28 min Scan# 1931

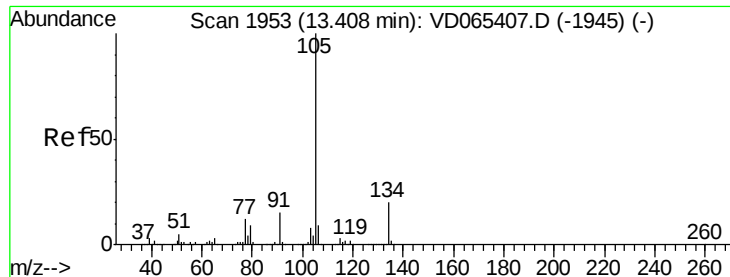
Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Tgt Ion:	105	Resp:	868582
Ion Ratio	Lower	Upper	
105	100		
120	46.5	23.4	70.3





#85

sec-Butylbenzene

Concen: 50.515 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1002491

Ion Ratio Lower Upper

105 100

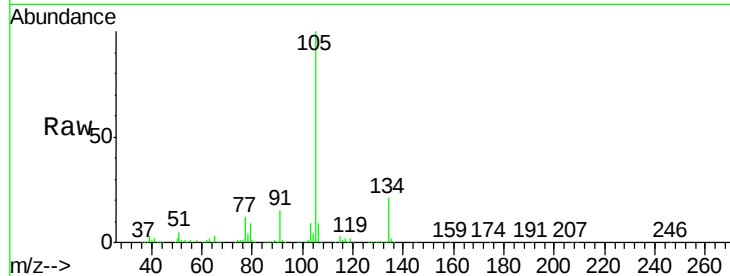
134 20.8 10.3 30.9

Manual Integrations

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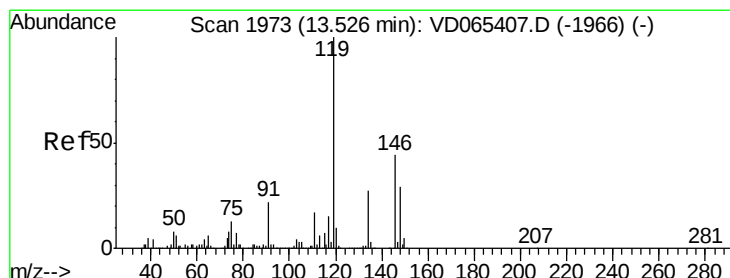
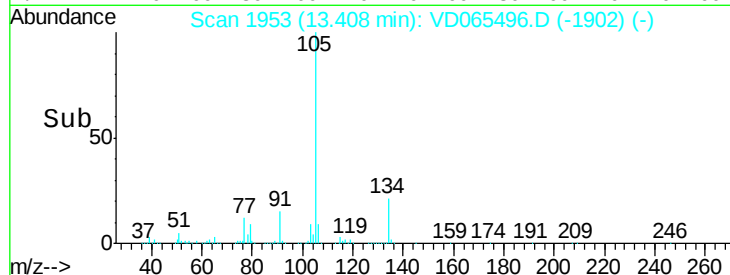
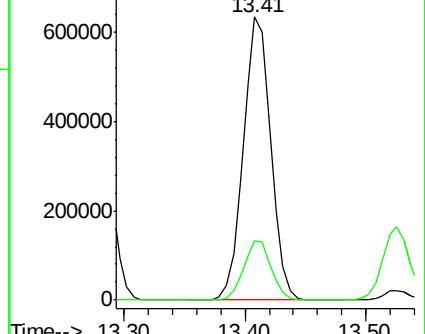
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.836 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065496.D

Acq: 12 Mar 2020 21:09

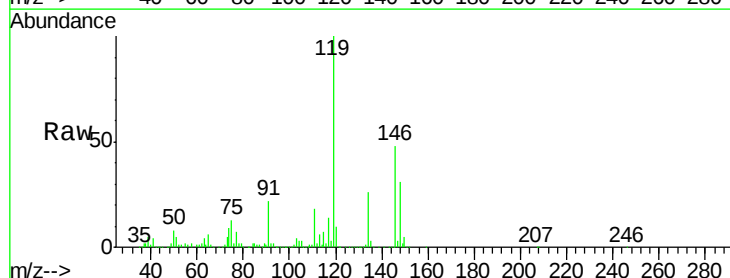
Tgt Ion:119 Resp: 938691

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

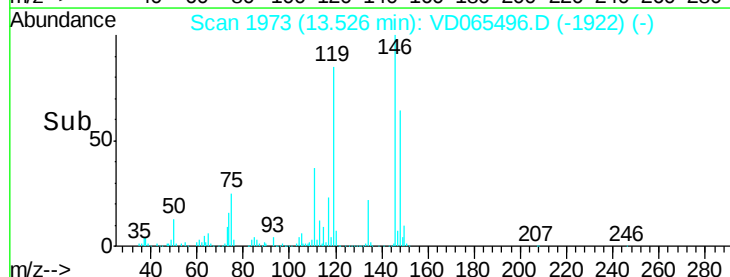
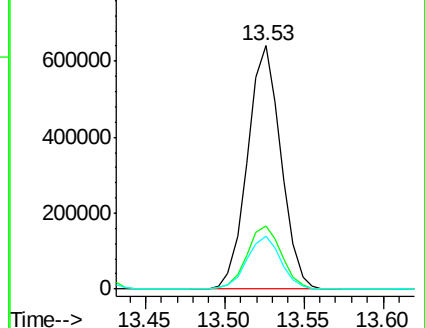
91 21.8 10.9 32.6

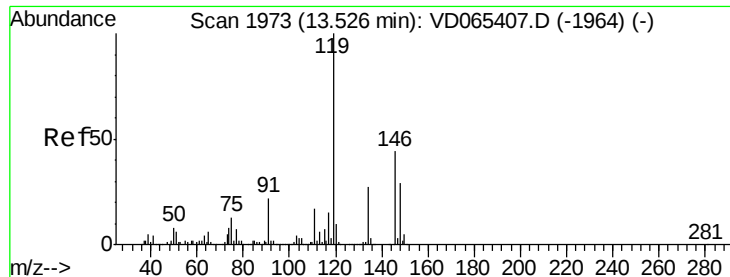


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





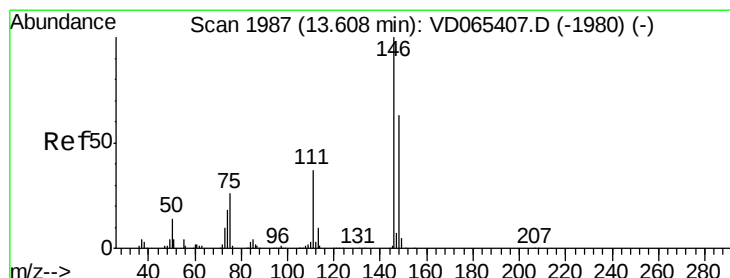
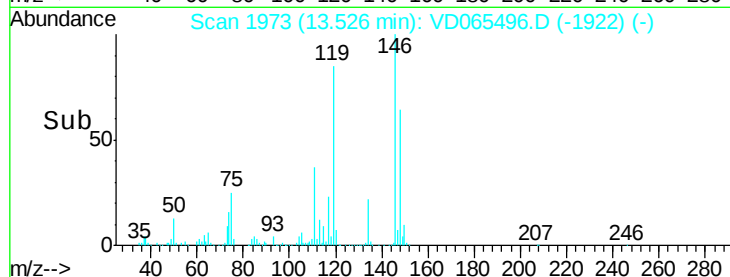
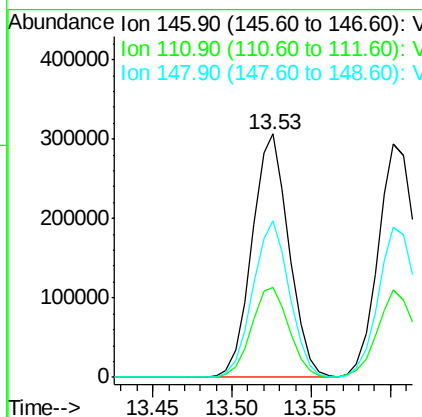
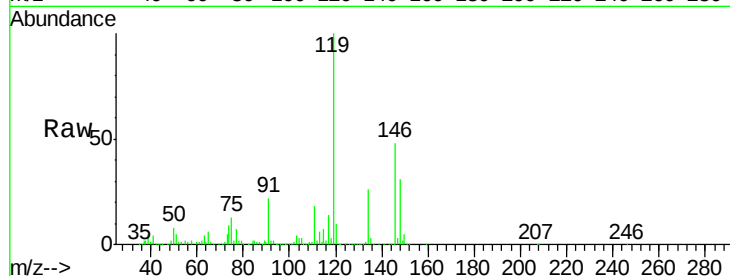
#87
 1,3-Dichlorobenzene
 Concen: 51.897 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.1	57.1
148	64.0	32.3	96.8

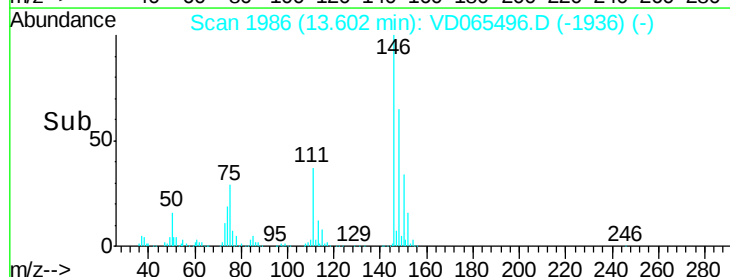
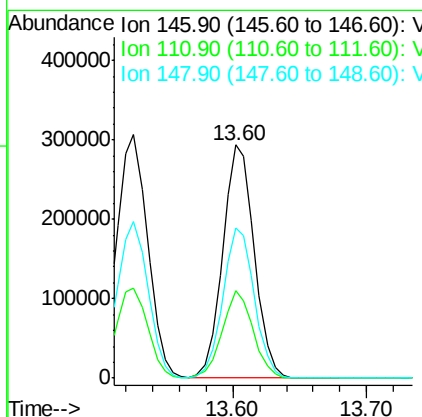
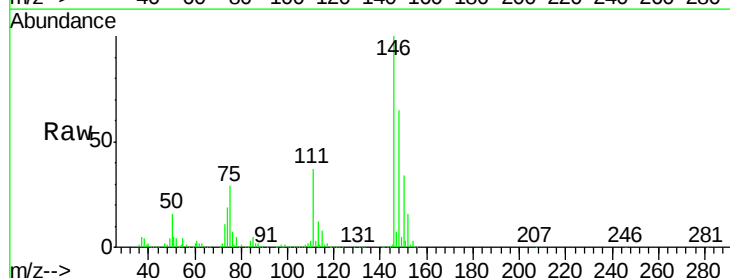
Manual Integrations
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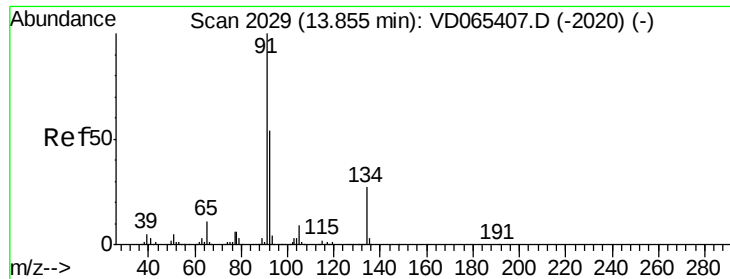
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 50.972 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.5	55.5
148	64.3	32.0	96.0





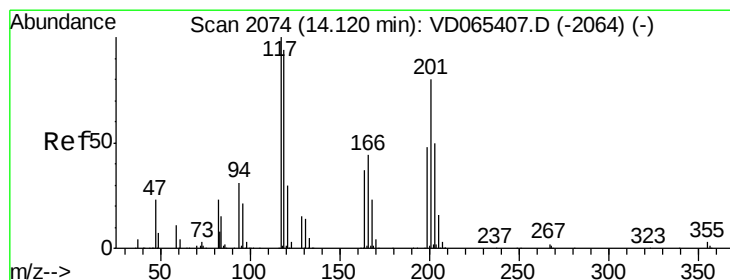
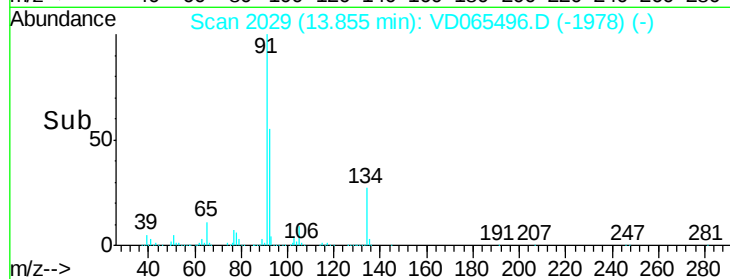
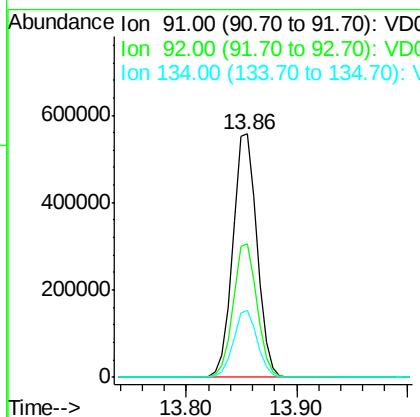
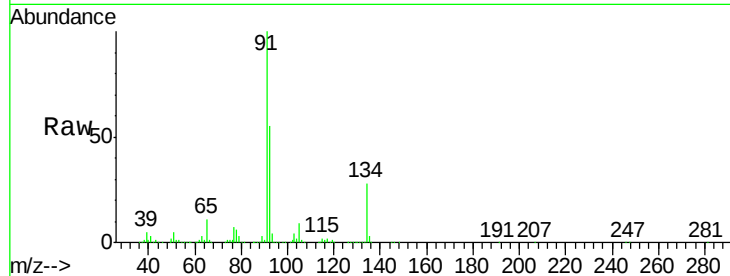
#89
n-Butylbenzene
Concen: 51.278 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	26.8	80.4
134	27.0	13.4	40.2

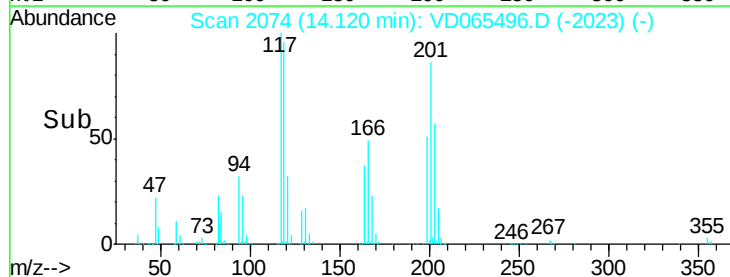
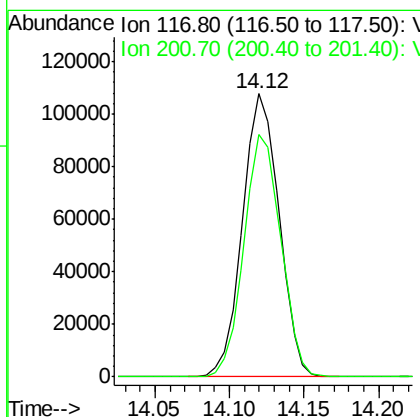
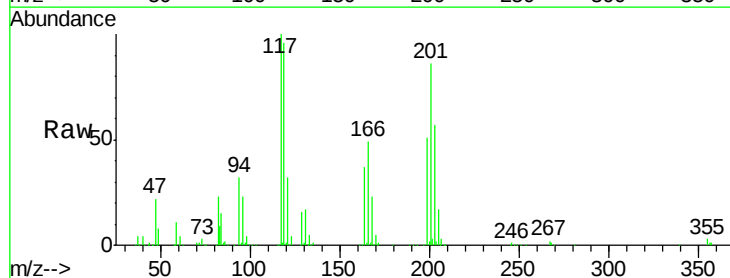
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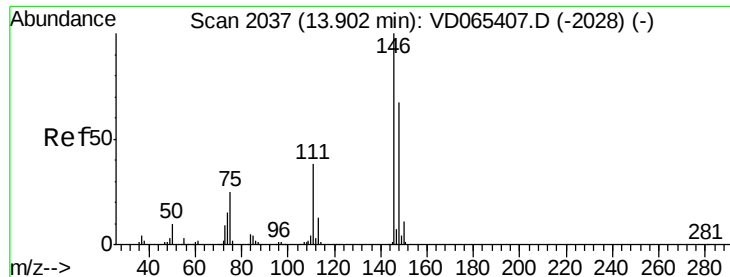
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#90
Hexachloroethane
Concen: 49.018 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.1	41.9	125.6





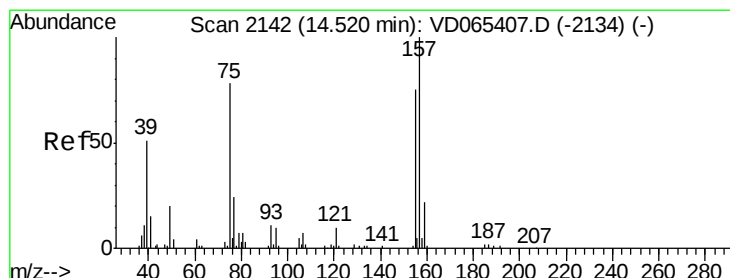
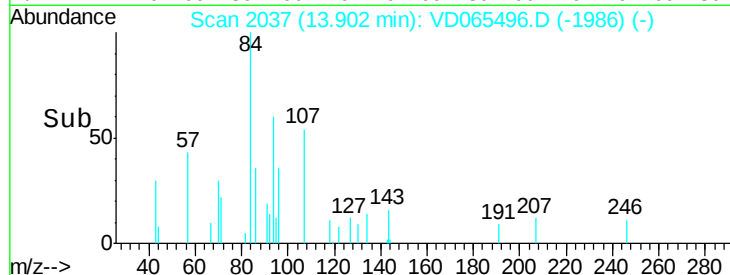
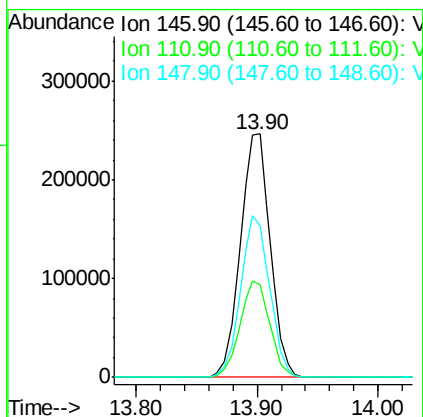
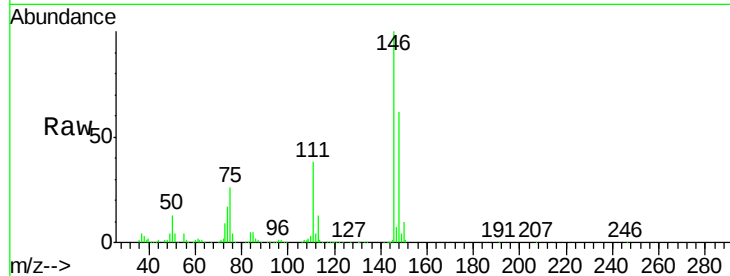
#91
 1,2-Dichlorobenzene
 Concen: 52.320 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.8	59.3
148	64.8	32.6	97.8

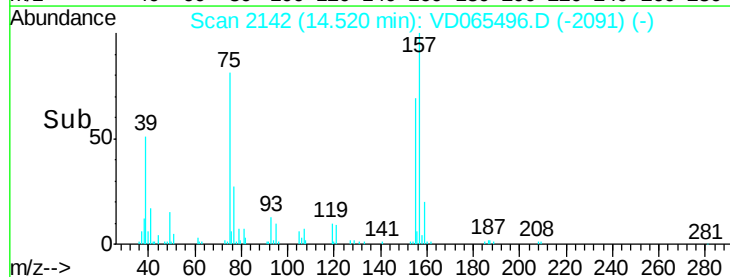
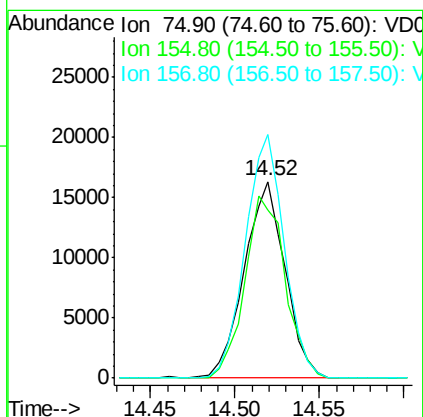
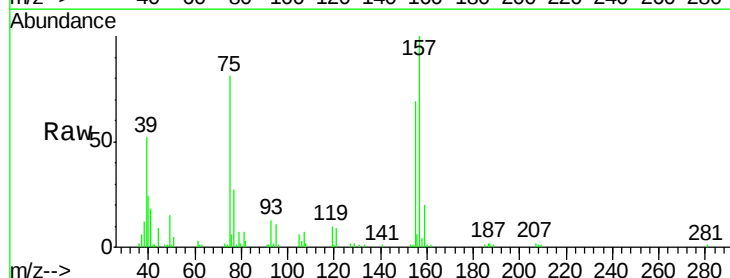
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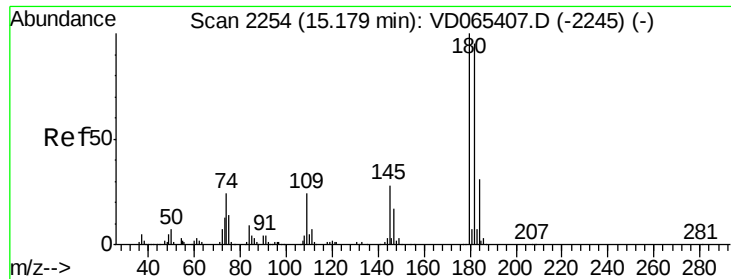
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.403 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	46.4	139.1
157	117.9	60.2	180.4





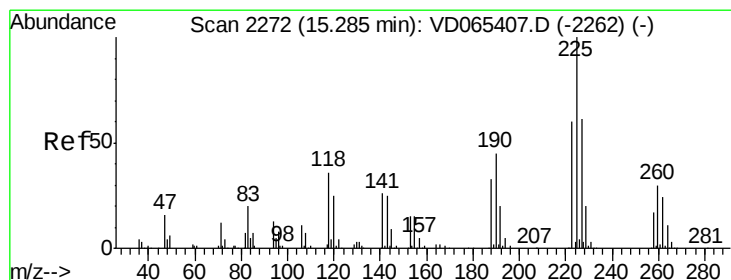
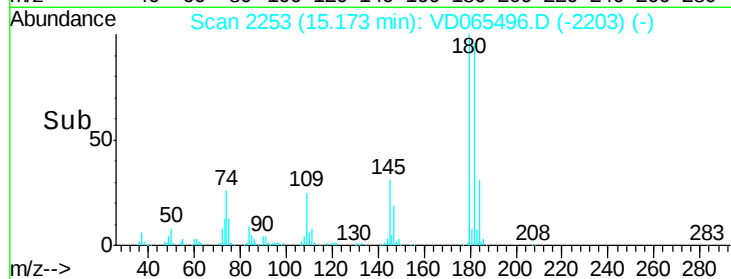
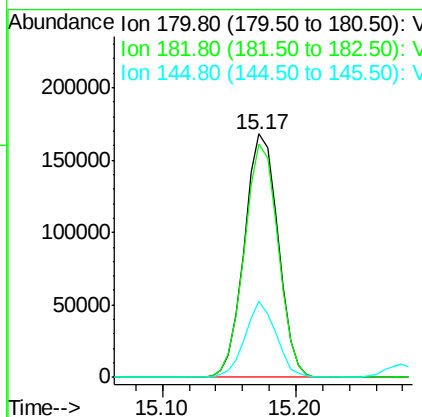
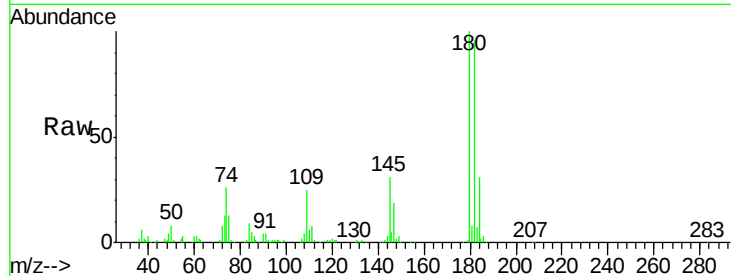
#93
 1,2,4-Trichlorobenzene
 Concen: 53.108 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	292478		
182	96.3	48.3	144.9	
145	28.8	14.4	43.4	

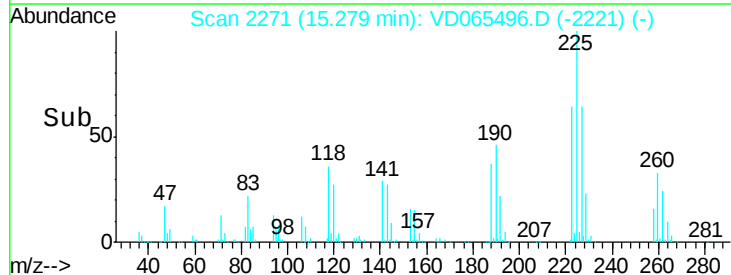
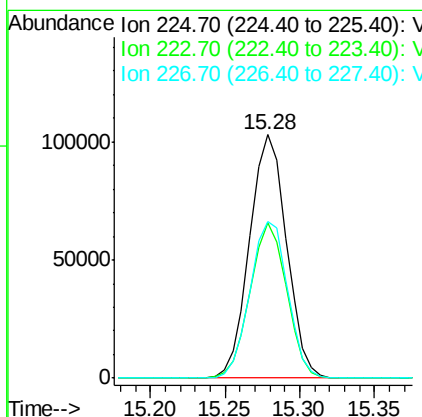
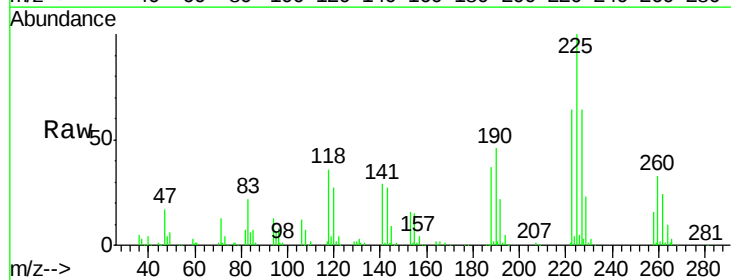
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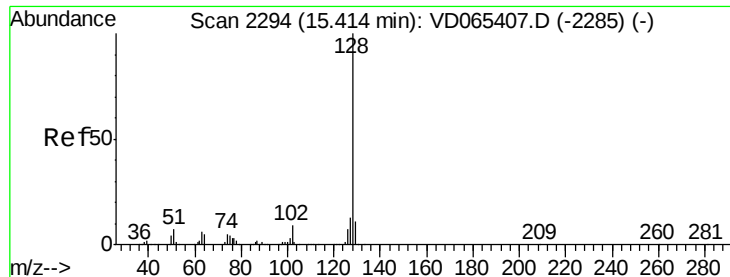
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#94
 Hexachlorobutadiene
 Concen: 48.657 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065496.D
 Acq: 12 Mar 2020 21:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	176071		
223	63.2	30.9	92.5	
227	65.5	31.6	94.7	





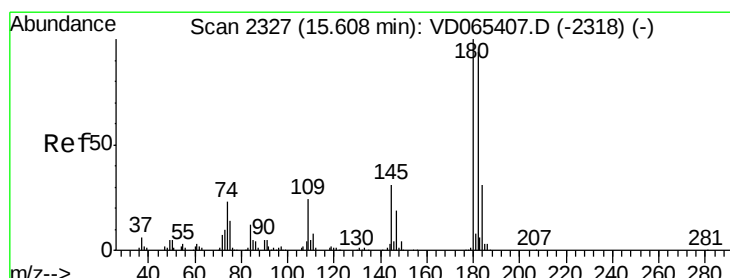
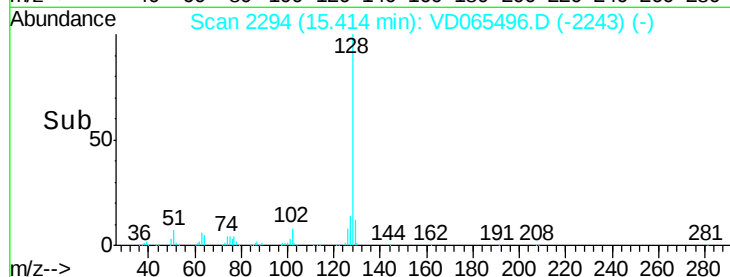
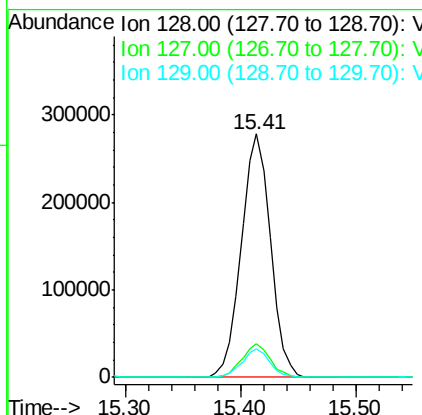
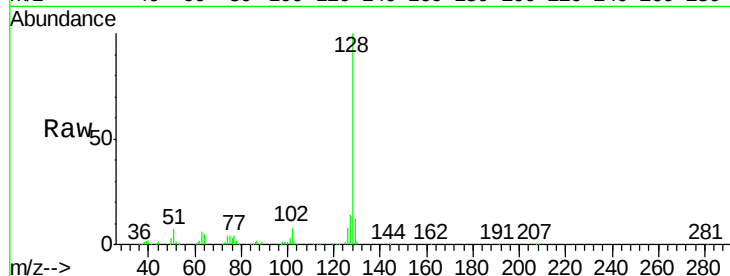
#95
Naphthalene
Concen: 49.773 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	488333		
127	13.3		10.6	16.0
129	11.1		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 54.540 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065496.D
Acq: 12 Mar 2020 21:09

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	259554		
182	93.9		46.9	140.6
145	30.1		15.0	45.1

