

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031620\
 Data File : VD065516.D
 Acq On : 16 Mar 2020 16:57
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/17/2020 12:09:57 PM

Quant Time: Mar 17 07:45:13 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	481567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	710120	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	662559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	315428	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	196277	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
35) Dibromofluoromethane	7.92	113	214545	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
50) Toluene-d8	10.34	98	839264	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.64	95	276886	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	173952	42.030	ug/l	99
3) Chloromethane	2.21	50	218677	43.764	ug/l	100
4) Vinyl Chloride	2.36	62	227218	46.103	ug/l	97
5) Bromomethane	2.77	94	157652	57.837	ug/l	99
6) Chloroethane	2.93	64	147859	48.984	ug/l	99
7) Trichlorofluoromethane	3.27	101	344829	47.483	ug/l	97
8) Diethyl Ether	3.71	74	103802	48.065	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	227137	48.563	ug/l	99
10) Methyl Iodide	4.30	142	266331	54.811	ug/l	98
11) Tert butyl alcohol	5.24	59	51419	217.008	ug/l	97
12) 1,1-Dichloroethene	4.07	96	211769	47.284	ug/l	97
13) Acrolein	3.92	56	85537	209.321	ug/l	99
14) Allyl chloride	4.71	41	336858	48.962	ug/l	99
15) Acrylonitrile	5.43	53	223095	237.454	ug/l	99
16) Acetone	4.16	43	192159	230.012	ug/l	95
17) Carbon Disulfide	4.40	76	660344	44.275	ug/l	99
18) Methyl Acetate	4.72	43	96795	45.675	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	442382	51.364	ug/l	97
20) Methylene Chloride	4.97	84	257676	57.301	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	246166	49.410	ug/l	99
22) Diisopropyl ether	6.37	45	679833	53.156	ug/l	99
23) Vinyl Acetate	6.31	43	1835310	258.445	ug/l	100
24) 1,1-Dichloroethane	6.27	63	413974	50.464	ug/l	99
25) 2-Butanone	7.22	43	259445	227.569	ug/l	99
26) 2,2-Dichloropropane	7.21	77	363657	50.728	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	268789	52.782	ug/l	98
28) Bromochloromethane	7.56	49	178219	54.301	ug/l	98
29) Tetrahydrofuran	7.57	42	173914	238.872	ug/l	99
30) Chloroform	7.71	83	420972	51.342	ug/l	98
31) Cyclohexane	7.98	56	379528	46.268	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	383212	50.574	ug/l	100
36) 1,1-Dichloropropene	8.11	75	330401	48.539	ug/l	99
37) Ethyl Acetate	7.30	43	123275	46.855	ug/l	99
38) Carbon Tetrachloride	8.10	117	348812	49.416	ug/l	95

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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	414285	50.391	ug/l	95
40) Benzene	8.36	78	962426	50.569	ug/l	100
41) Methacrylonitrile	7.53	41	70274	50.506	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	245349	49.369	ug/l	100
43) Isopropyl Acetate	8.46	43	229152	47.170	ug/l	99
44) Trichloroethene	9.11	130	275042	51.173	ug/l	100
45) 1,2-Dichloropropane	9.39	63	236419	51.282	ug/l	94
46) Dibromomethane	9.48	93	119977	50.172	ug/l	97
47) Bromodichloromethane	9.67	83	317933	51.105	ug/l	95
48) Methyl methacrylate	9.46	41	111173	48.650	ug/l	99
49) 1,4-Dioxane	9.47	88	25424	929.472	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	614132	251.217	ug/l	99
52) Toluene	10.41	92	624348	52.074	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	304204	52.325	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	373847	53.125	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	172931	51.059	ug/l	99
56) Ethyl methacrylate	10.67	69	209263	54.806	ug/l	97
57) 1,3-Dichloropropane	10.95	76	295304	51.531	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	282550	236.884	ug/l	97
59) 2-Hexanone	10.99	43	417623	246.782	ug/l	98
60) Dibromochloromethane	11.15	129	224213	51.644	ug/l	99
61) 1,2-Dibromoethane	11.25	107	165588	51.256	ug/l	96
64) Tetrachloroethene	10.88	164	239544	50.455	ug/l	96
65) Chlorobenzene	11.68	112	675213	51.498	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	250181	52.392	ug/l	96
67) Ethyl Benzene	11.75	91	1207746	53.311	ug/l	100
68) m/p-Xylenes	11.86	106	920880	105.419	ug/l	100
69) o-Xylene	12.18	106	426681	55.528	ug/l	99
70) Styrene	12.20	104	740994	54.793	ug/l	99
71) Bromoform	12.37	173	131755	49.122	ug/l #	99
73) Isopropylbenzene	12.48	105	1159853	55.904	ug/l	100
74) N-amyl acetate	12.30	43	217566	51.223	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	176998	48.534	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	140408m	56.412	ug/l	
77) Bromobenzene	12.77	156	281563	54.623	ug/l	96
78) n-propylbenzene	12.83	91	1340430	54.452	ug/l	100
79) 2-Chlorotoluene	12.91	91	739710	53.318	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	928683	54.447	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	57568	48.809	ug/l	99
82) 4-Chlorotoluene	13.01	91	773903	53.084	ug/l	100
83) tert-Butylbenzene	13.23	119	827612	57.354	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	927316	55.155	ug/l	99
85) sec-Butylbenzene	13.41	105	1133973	55.054	ug/l	99
86) p-Isopropyltoluene	13.53	119	1055495	56.158	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	514904	51.957	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	504853	51.212	ug/l	99
89) n-Butylbenzene	13.85	91	977366	56.247	ug/l	99
90) Hexachloroethane	14.12	117	199709	51.596	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	444242	52.676	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	26779	48.215	ug/l	89

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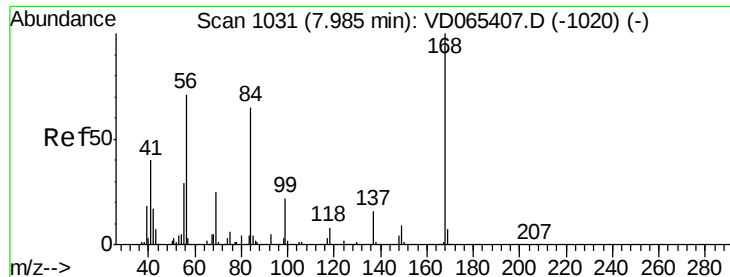
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	322742	56.463	ug/l	98
94) Hexachlorobutadiene	15.28	225	199197	53.038	ug/l	98
95) Naphthalene	15.41	128	532249	52.047	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	273286	55.329	ug/l	99

(#) = 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: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 481567

Ion Ratio Lower Upper

168 100

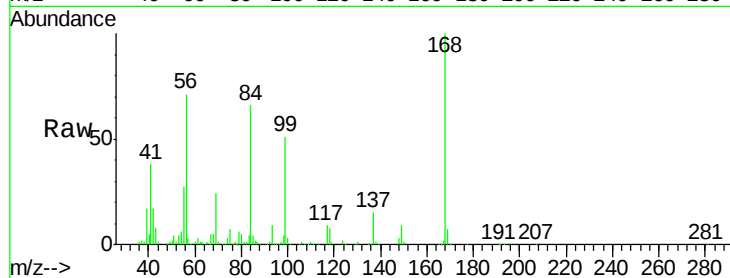
99 50.6 41.5 62.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

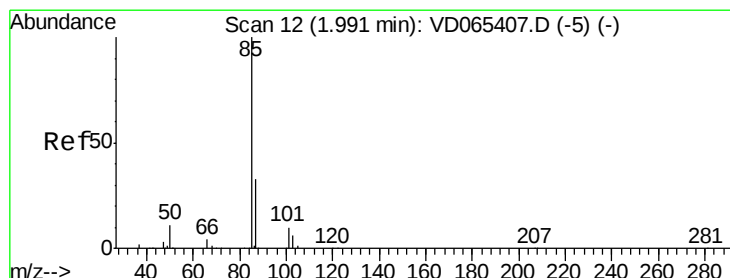
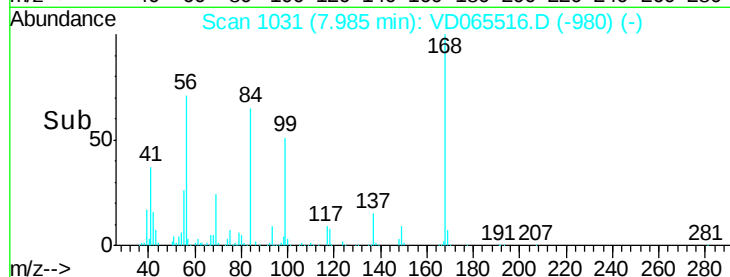
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.030 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065516.D

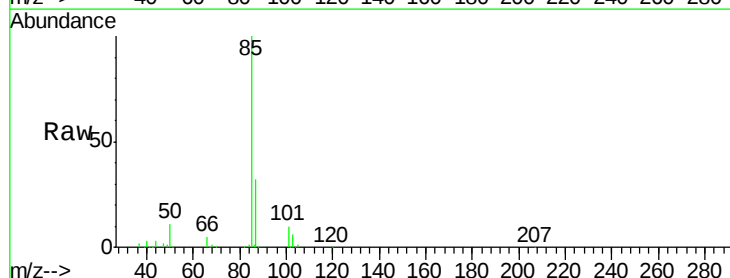
Acq: 16 Mar 2020 16:57

Tgt Ion: 85 Resp: 173952

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

1.99

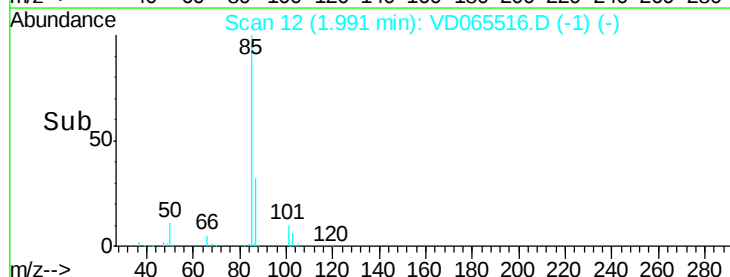
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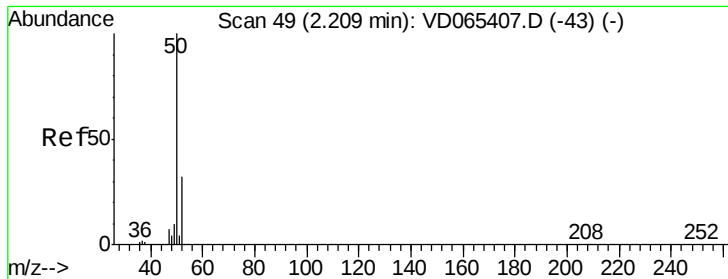
100000

50000

0

Time-->





#3

Chloromethane

Concen: 43.764 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 218677

Ion Ratio Lower Upper

50 100

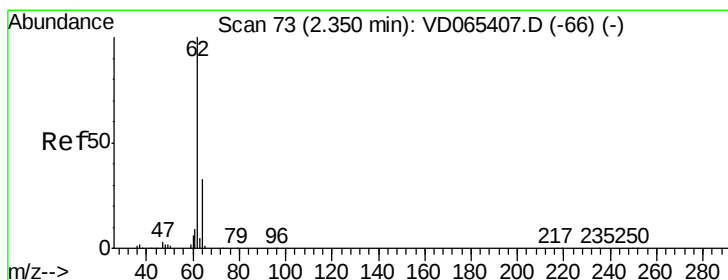
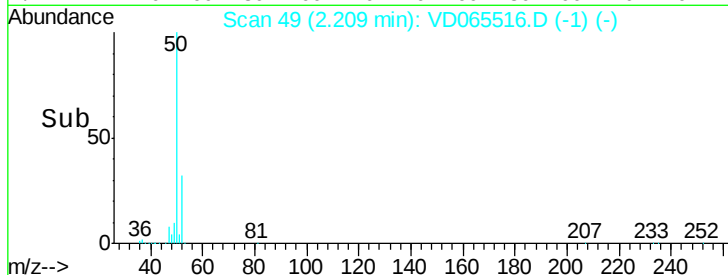
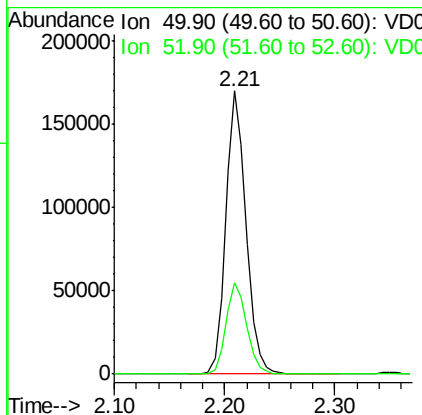
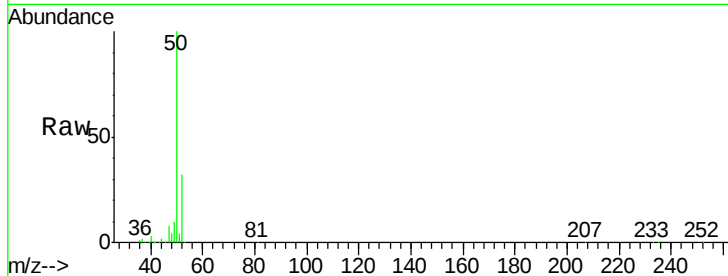
52 32.5 25.8 38.8

Manual Integrations

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3/17/2020 12:09:57 PM



#4

Vinyl Chloride

Concen: 46.103 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065516.D

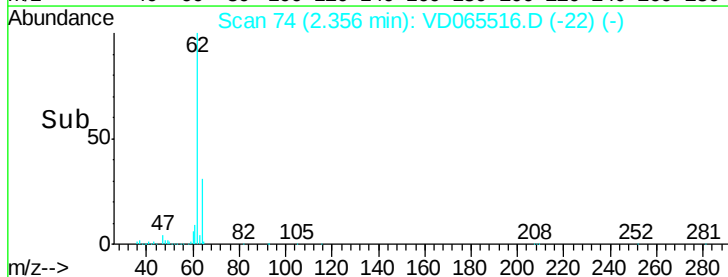
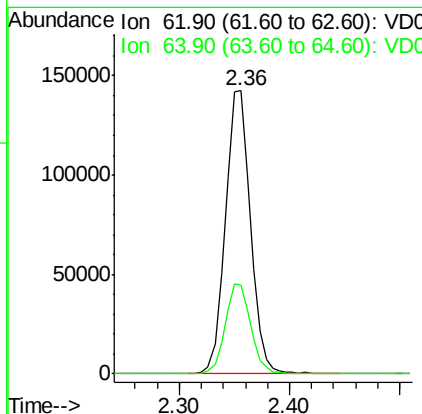
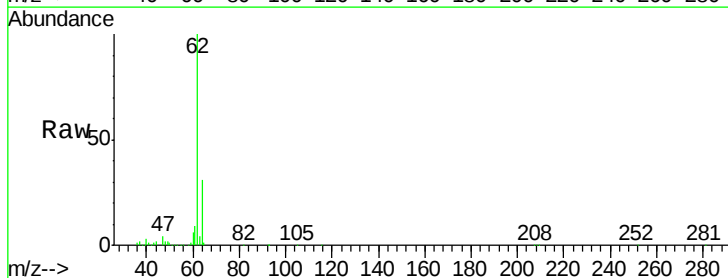
Acq: 16 Mar 2020 16:57

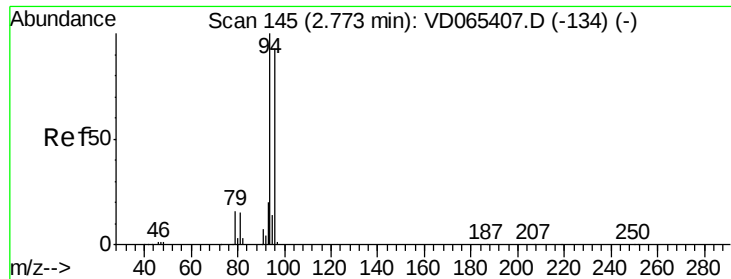
Tgt Ion: 62 Resp: 227218

Ion Ratio Lower Upper

62 100

64 31.4 26.6 39.8





#5

Bromomethane

Concen: 57.837 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 157652

Ion Ratio Lower Upper

94 100

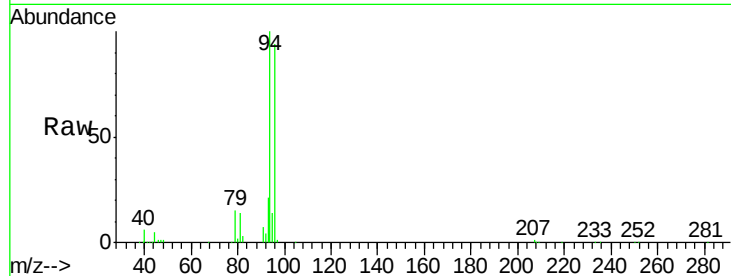
96 94.3 74.4 111.6

Manual Integrations

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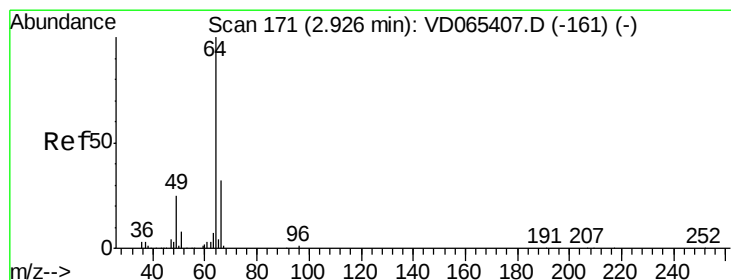
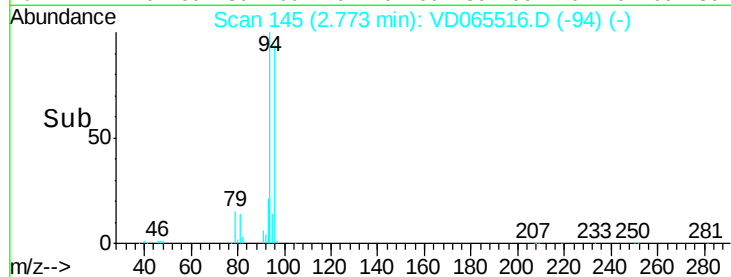
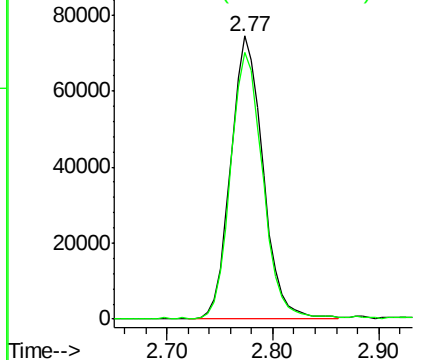
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.984 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065516.D

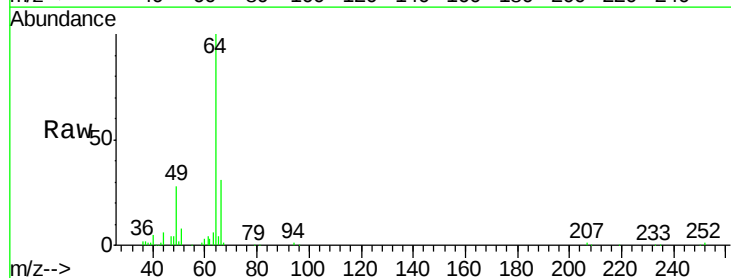
Acq: 16 Mar 2020 16:57

Tgt Ion: 64 Resp: 147859

Ion Ratio Lower Upper

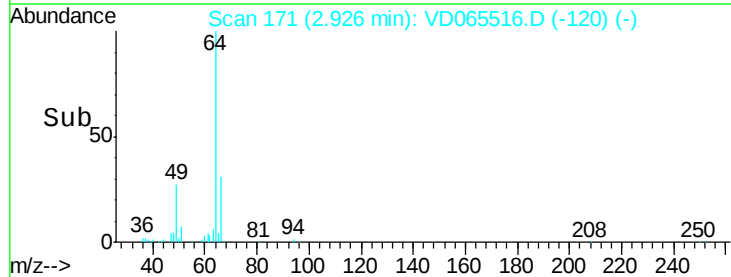
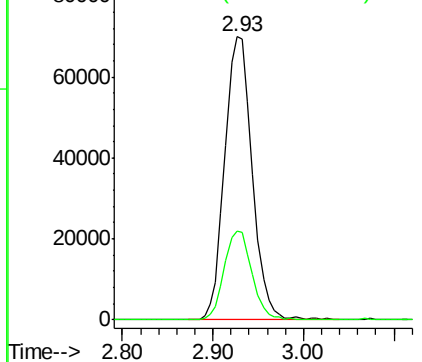
64 100

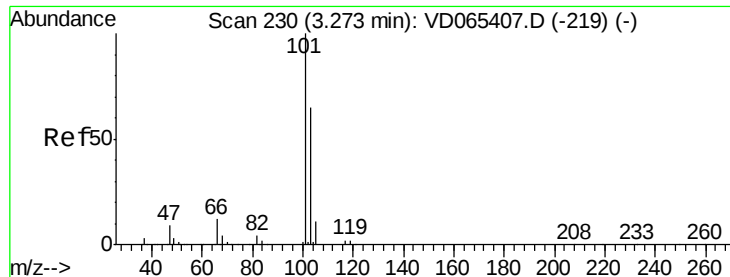
66 31.2 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

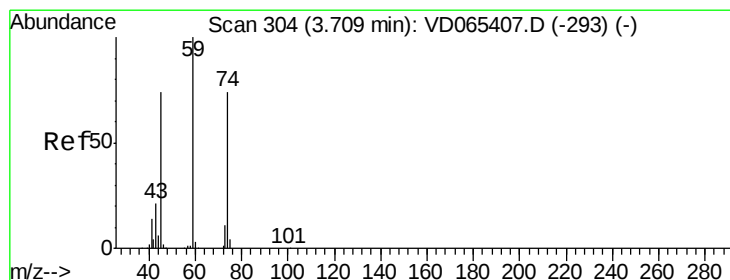
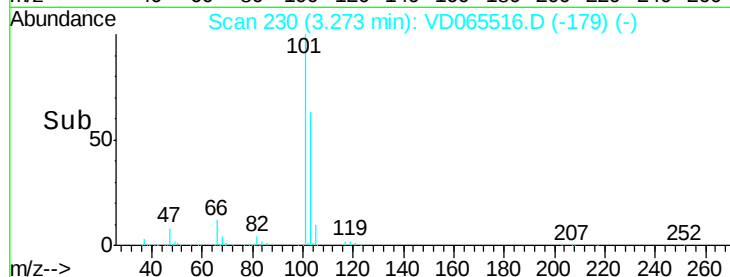
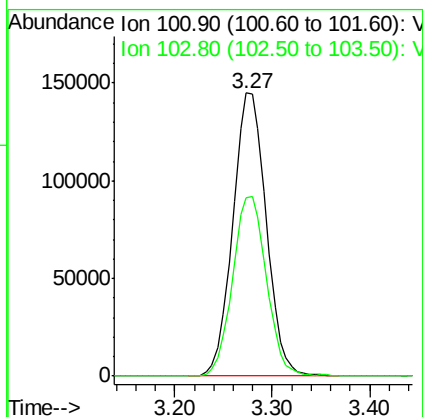
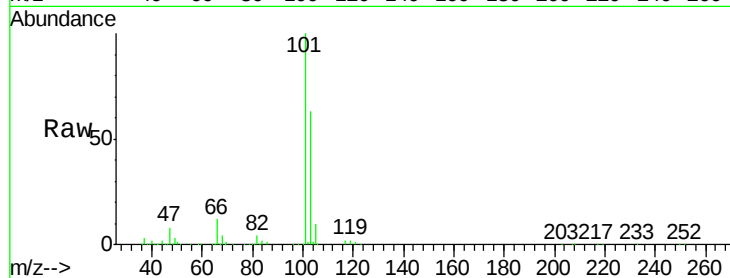
Trichlorofluoromethane
 Concen: 47.483 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	52.1	78.1

Manual Integrations
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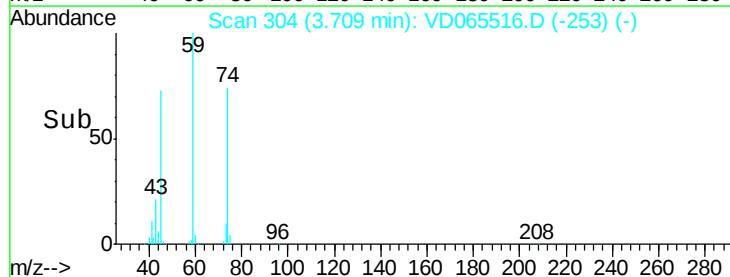
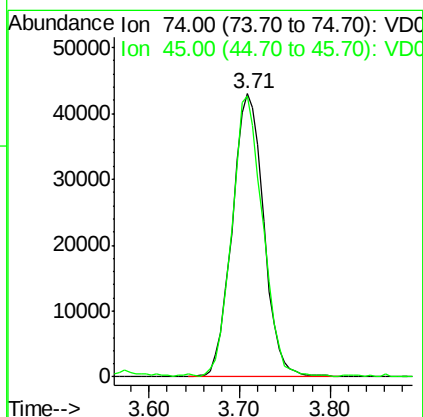
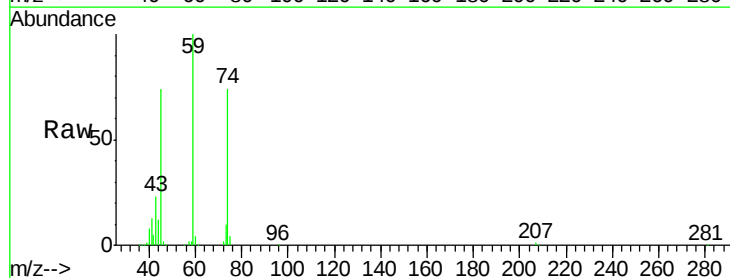
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 3/17/2020 12:09:57 PM

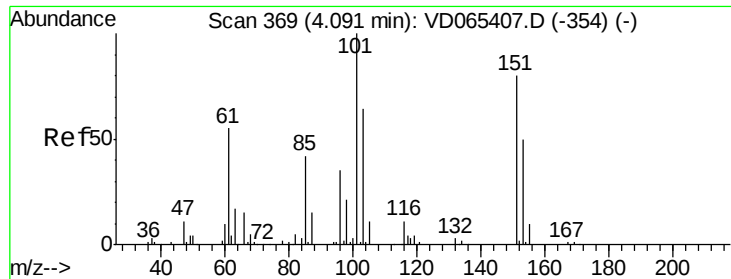


#8

Diethyl Ether
 Concen: 48.065 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.4	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.563 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

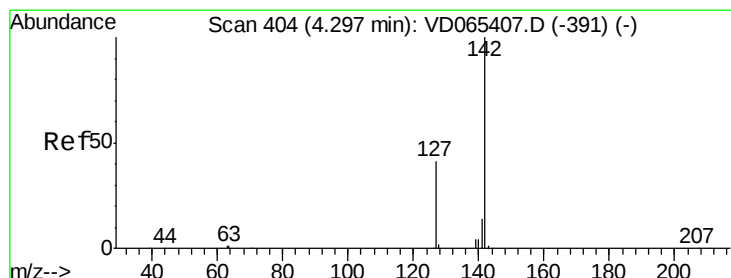
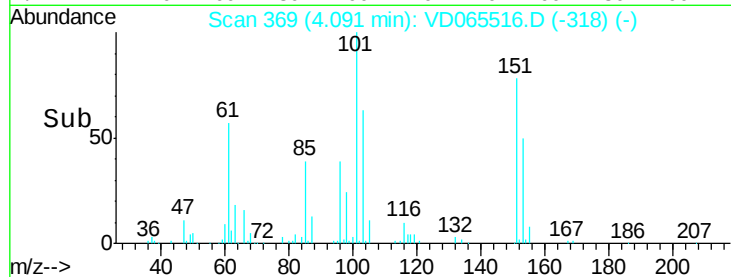
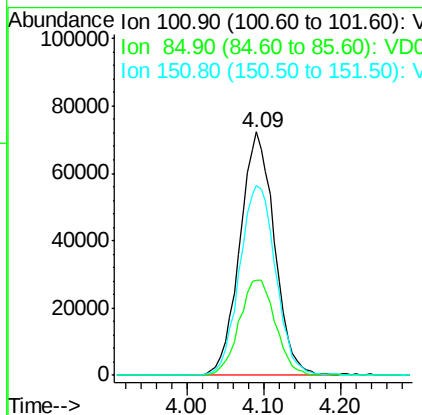
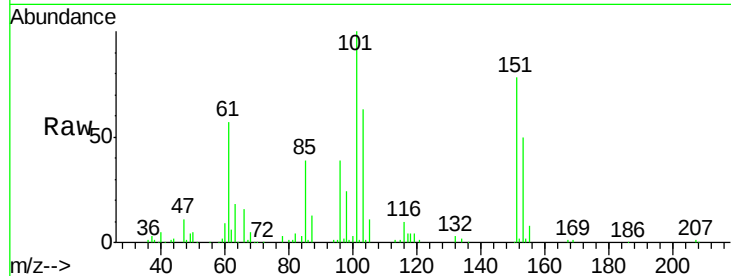
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	227137
Ion Ratio	Lower	Upper	
101	100		
85	40.9	34.2	51.2
151	81.2	65.1	97.7

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#10

Methyl Iodide

Concen: 54.811 ug/l

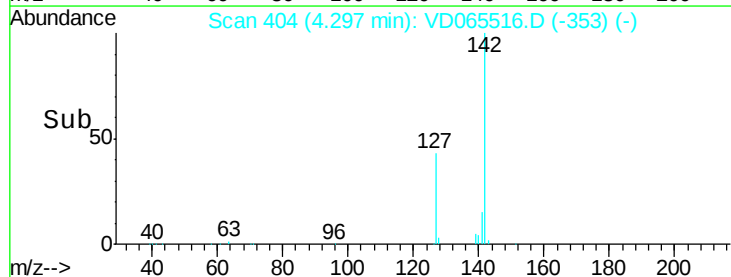
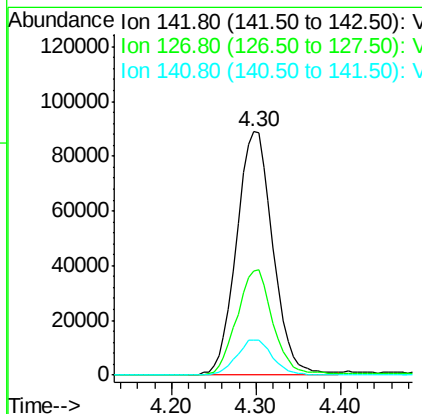
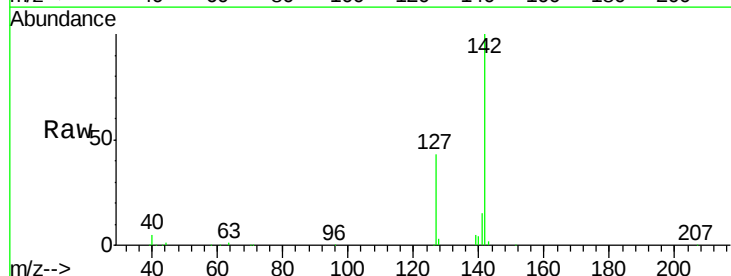
RT: 4.30 min Scan# 404

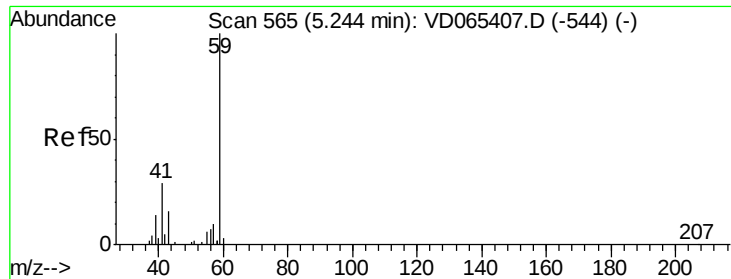
Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Tgt Ion:	142	Resp:	266331
Ion Ratio	Lower	Upper	
142	100		
127	43.1	35.0	52.6
141	14.4	12.4	18.6





#11

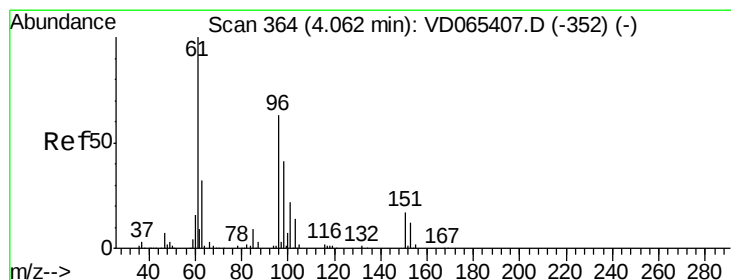
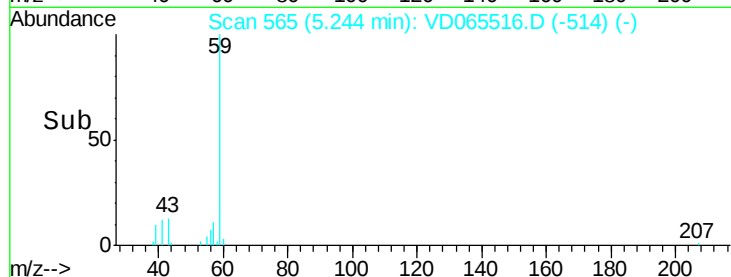
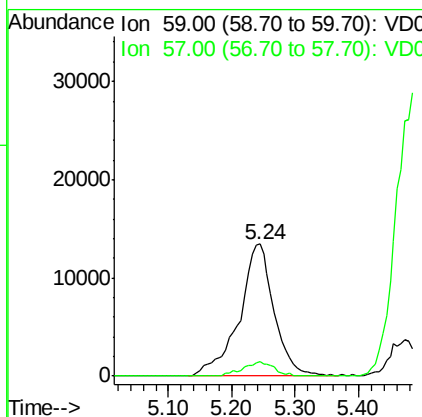
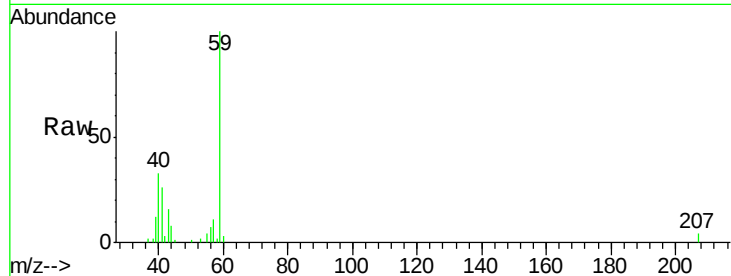
Tert butyl alcohol
Concen: 217.008 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100			
57	57	9.6		6.9	10.3

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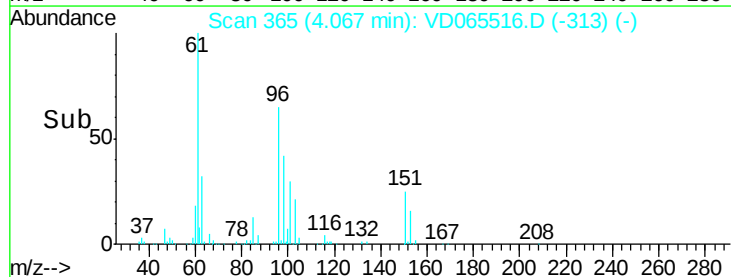
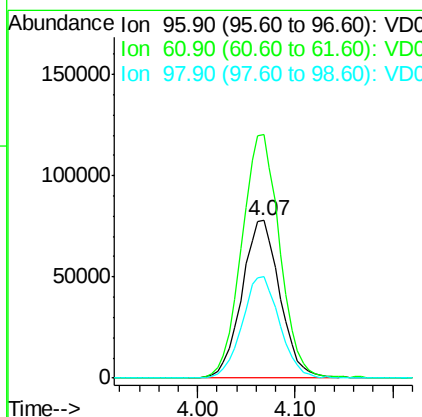
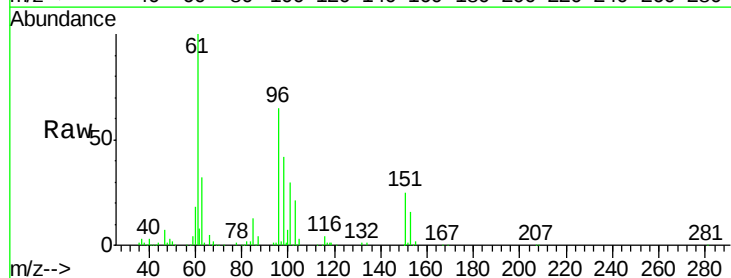
MMDadoda
3/17/2020 12:09:57 PM

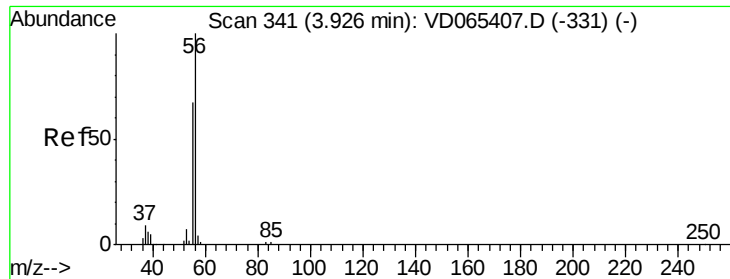


#12

1,1-Dichloroethene
Concen: 47.284 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100			
61	61	154.7		128.0	192.0
98	98	64.3		51.9	77.9





#13

Acrolein

Concen: 209.321 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 85537

Ion Ratio Lower Upper

56 100

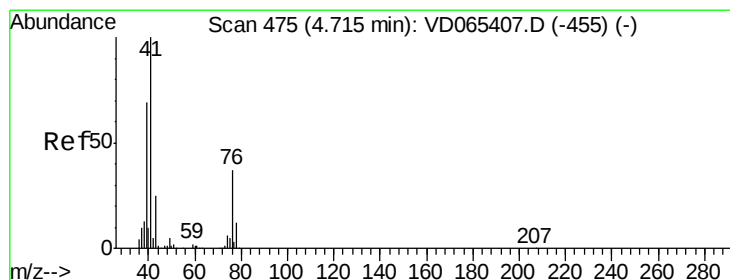
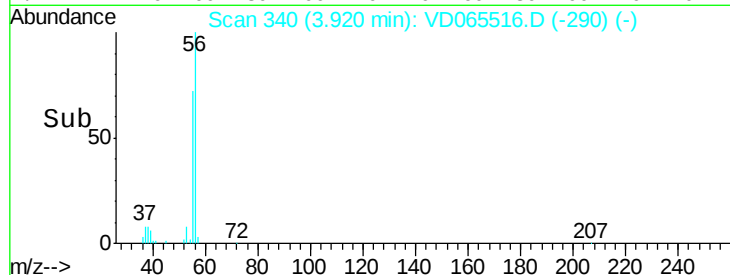
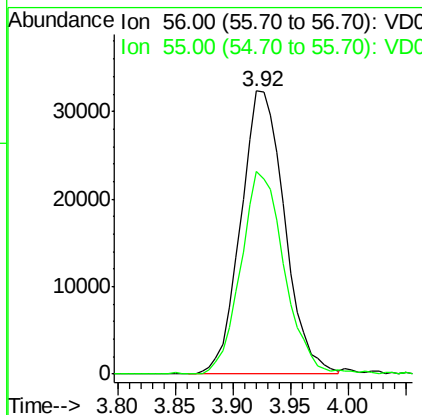
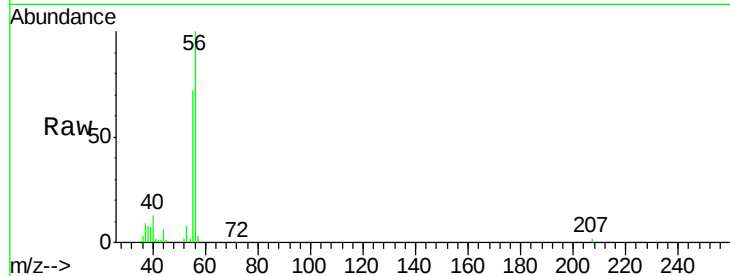
55 71.4 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 48.962 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

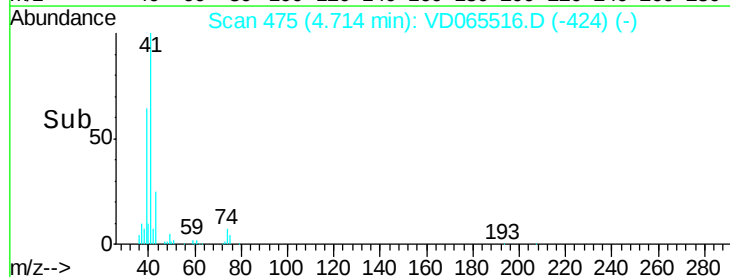
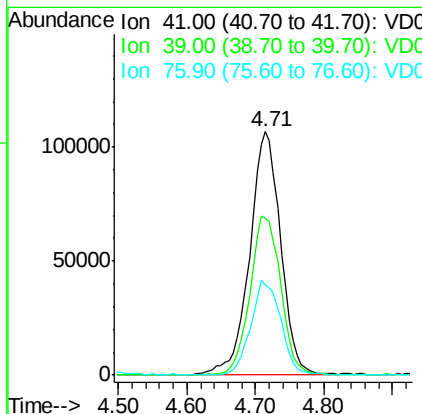
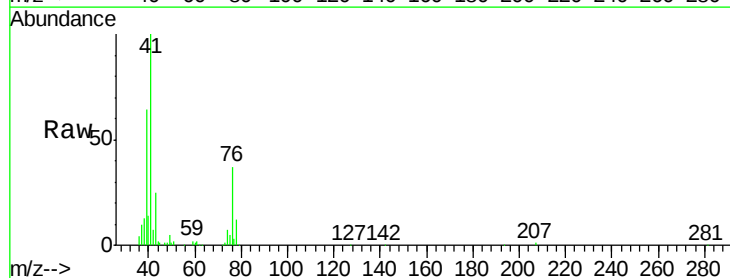
Tgt Ion: 41 Resp: 336858

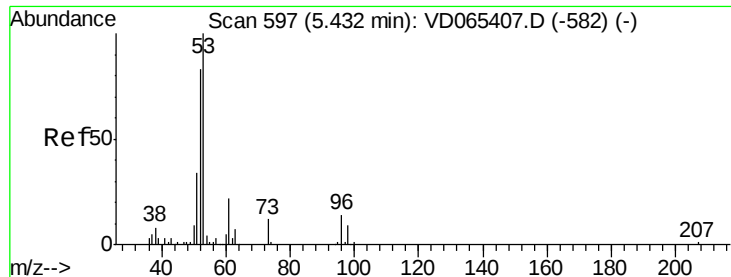
Ion Ratio Lower Upper

41 100

39 64.9 52.6 79.0

76 36.9 29.2 43.8





#15

Acrylonitrile

Concen: 237.454 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

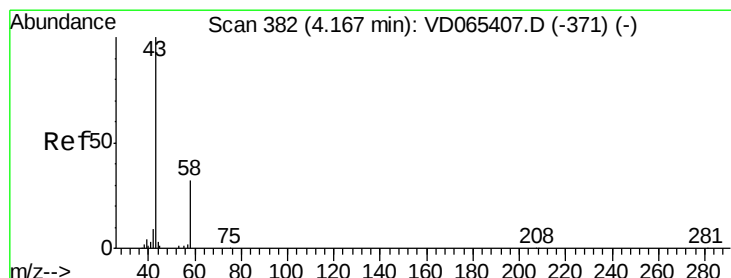
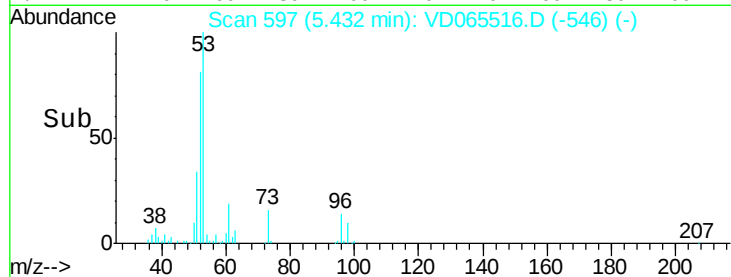
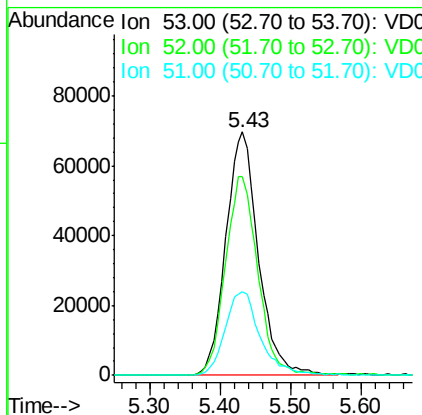
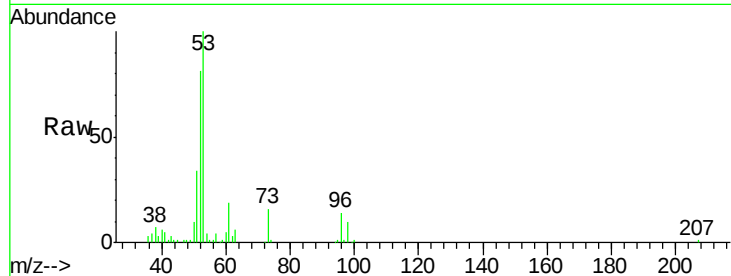
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.1	97.7
51	37.3	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 230.012 ug/l

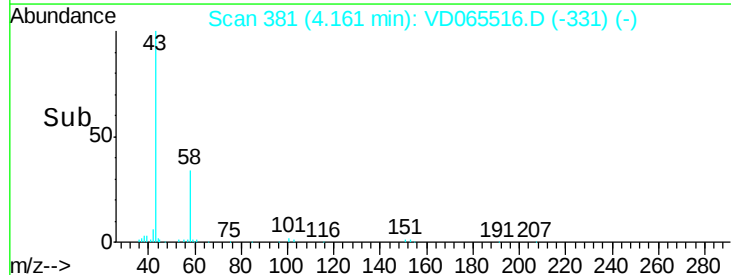
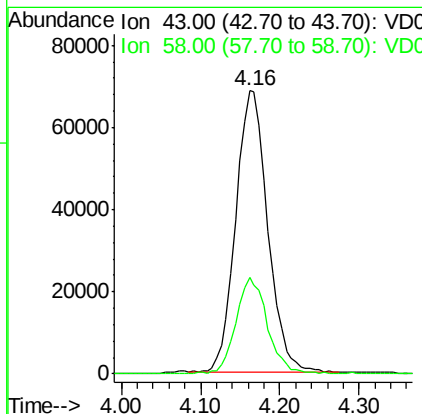
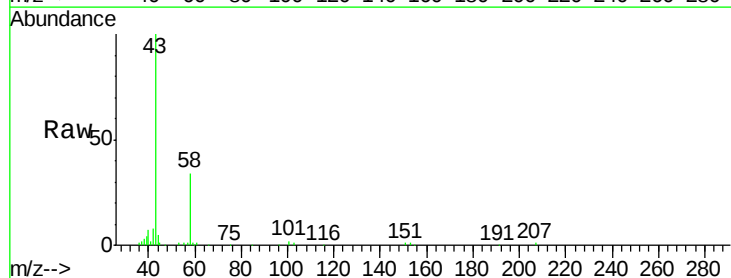
RT: 4.16 min Scan# 381

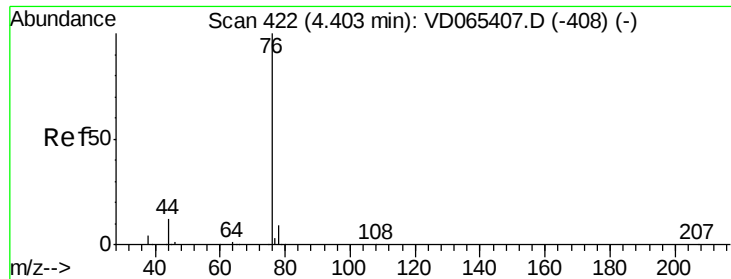
Delta R.T. -0.01 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.2	25.1	37.7





#17

Carbon Disulfide

Concen: 44.275 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 660344

Ion Ratio Lower Upper

76 100

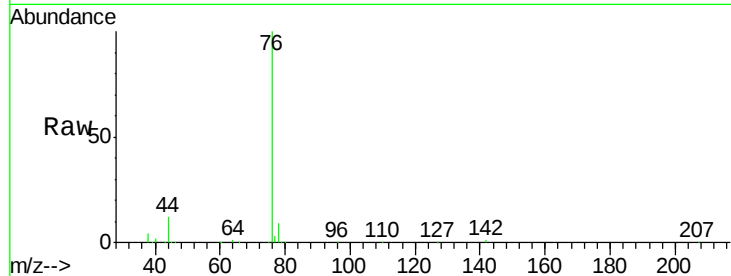
78 8.9 7.4 11.0

Manual Integrations

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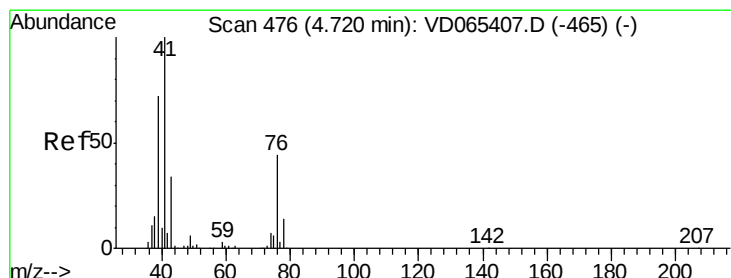
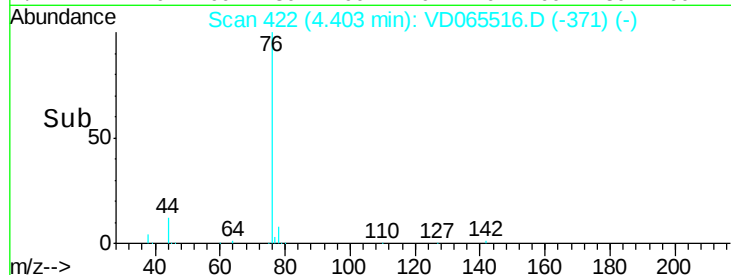
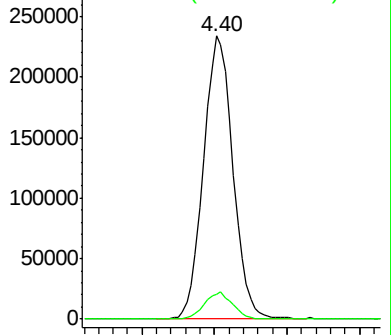
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 45.675 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD065516.D

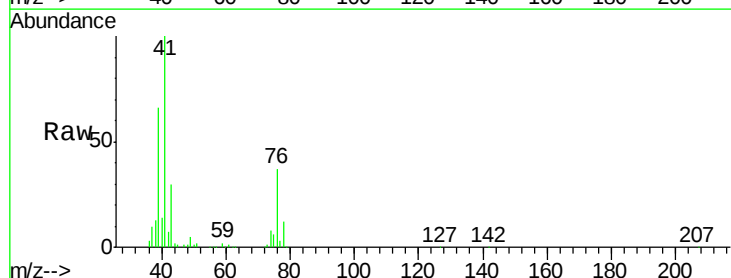
Acq: 16 Mar 2020 16:57

Tgt Ion: 43 Resp: 96795

Ion Ratio Lower Upper

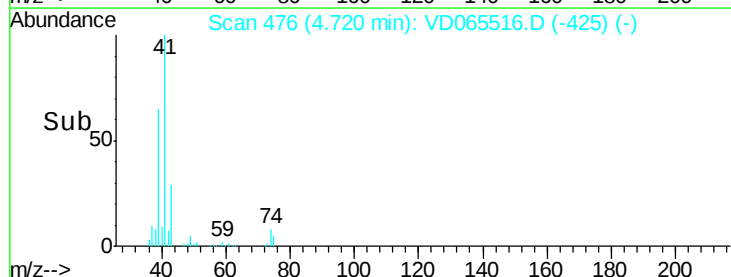
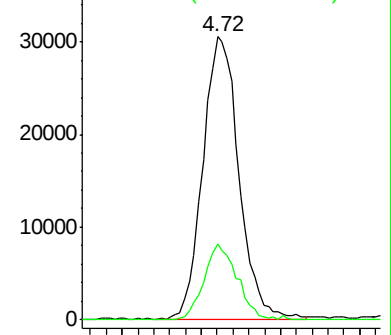
43 100

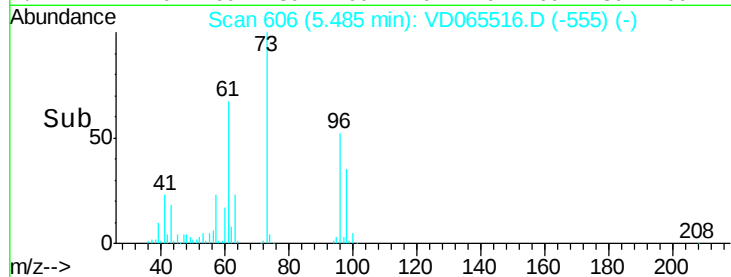
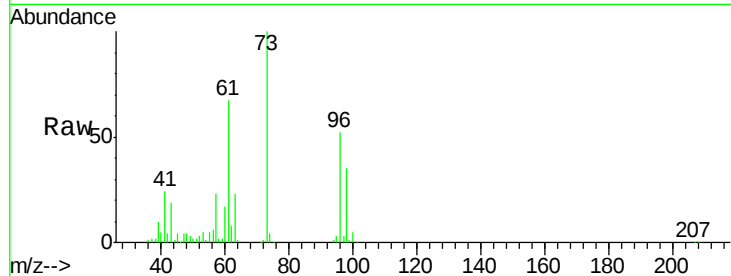
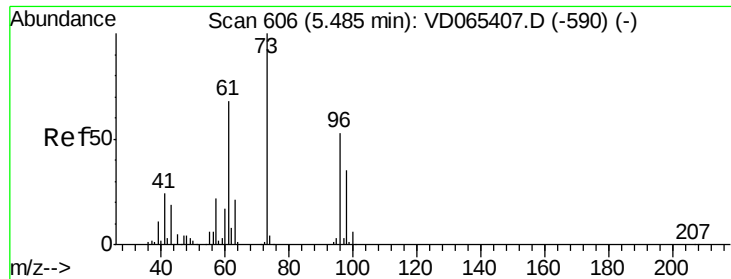
74 24.5 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





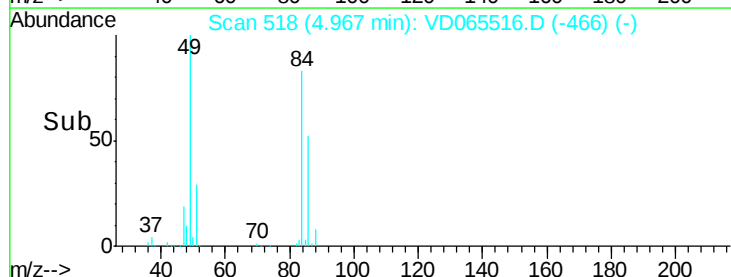
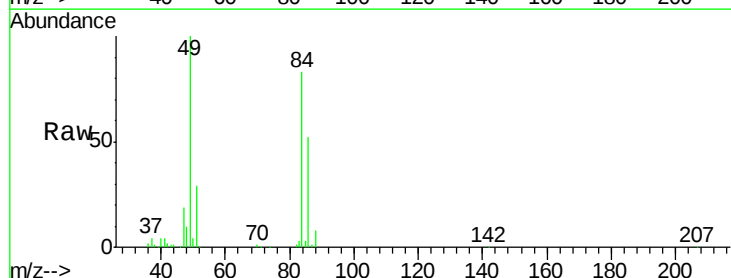
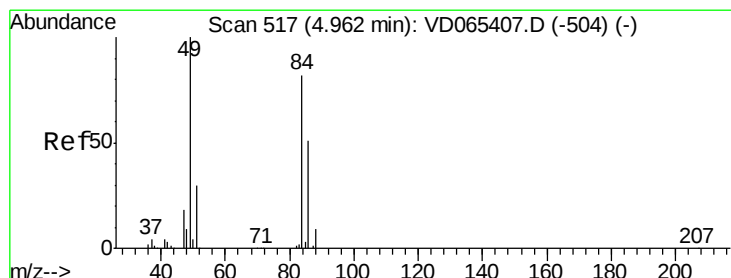
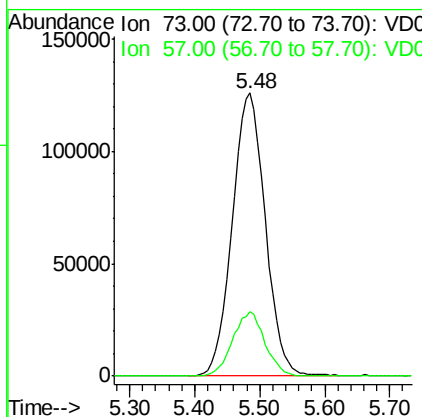
#19
Methyl tert-butyl Ether
Concen: 51.364 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tot Ion: 73 Resp: 442382
Ion Ratio Lower Upper
73 100
57 22.9 17.3 25.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

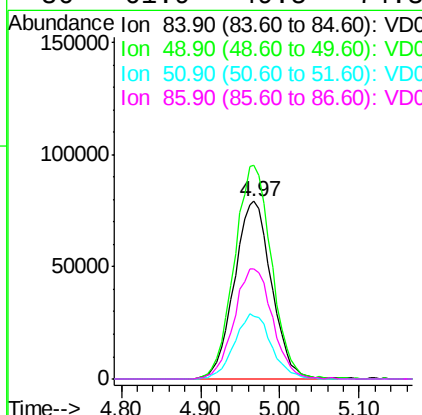
Manual Integrations
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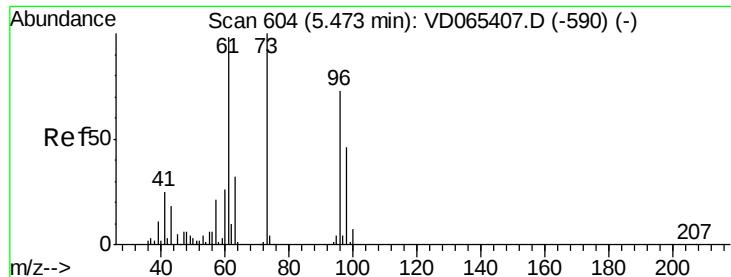
MMDadoda
3/17/2020 12:09:57 PM



#20
Methylene Chloride
Concen: 57.301 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion: 84 Resp: 257676
Ion Ratio Lower Upper
84 100
49 120.2 97.7 146.5
51 35.2 28.8 43.2
86 61.9 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 49.410 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

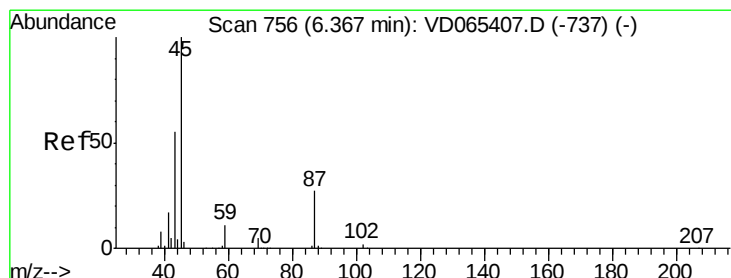
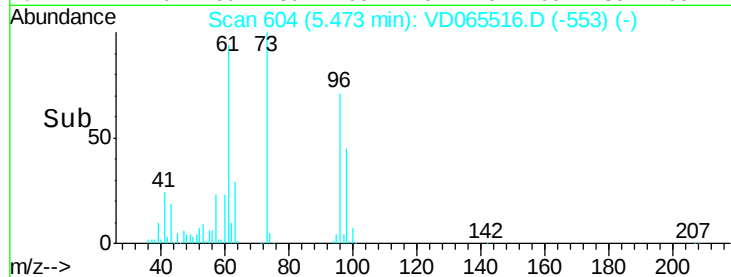
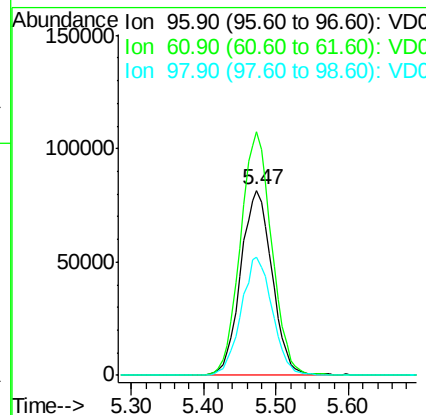
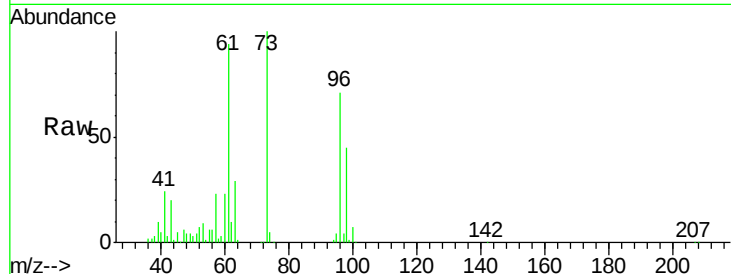
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	246166
Ion	Ratio	Lower	Upper
96	100		
61	131.6	106.3	159.5
98	63.7	50.2	75.4

Manual Integrations
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3/17/2020 12:09:57 PM



#22

Diisopropyl ether

Concen: 53.156 ug/l

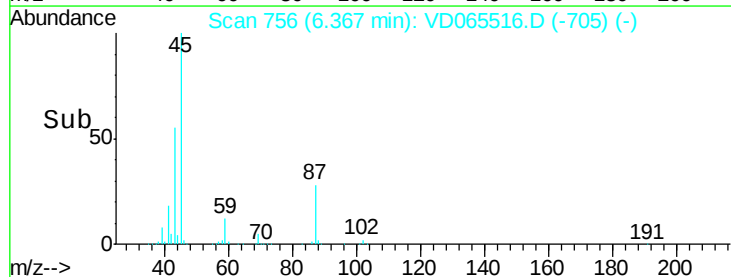
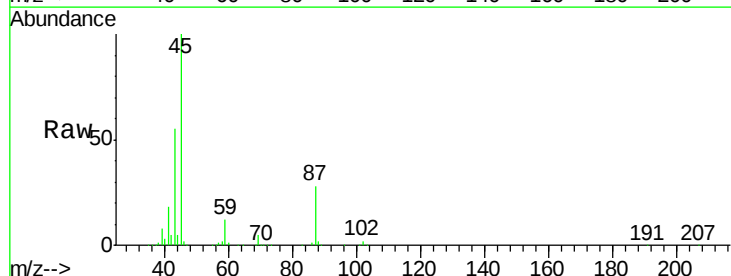
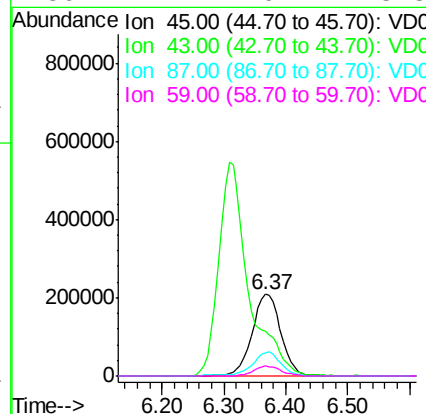
RT: 6.37 min Scan# 756

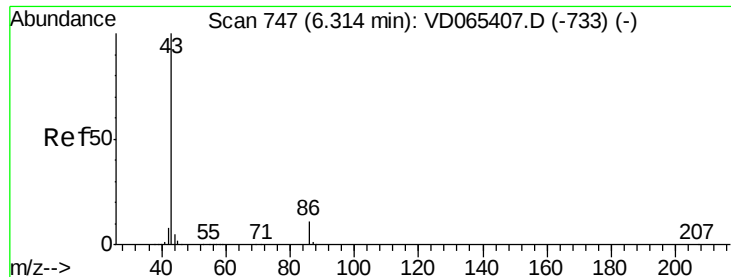
Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Tgt Ion:	45	Resp:	679833
Ion	Ratio	Lower	Upper
45	100		
43	54.7	44.4	66.6
87	28.5	21.9	32.9
59	12.2	9.2	13.8





#23

Vinyl Acetate

Concen: 258.445 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1835310

Ion Ratio Lower Upper

43 100

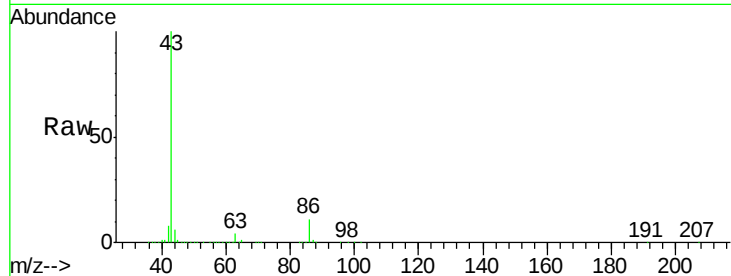
86 11.2 8.9 13.3

Manual Integrations

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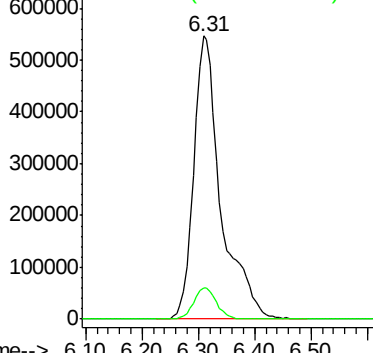
MMDadoda

3/17/2020 12:09:57 PM

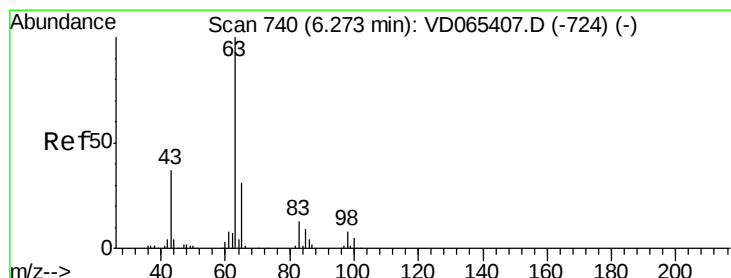
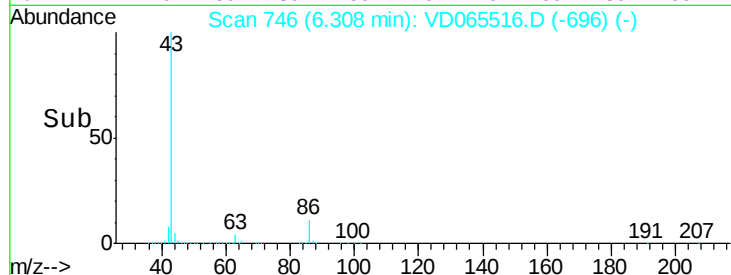


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 50.464 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

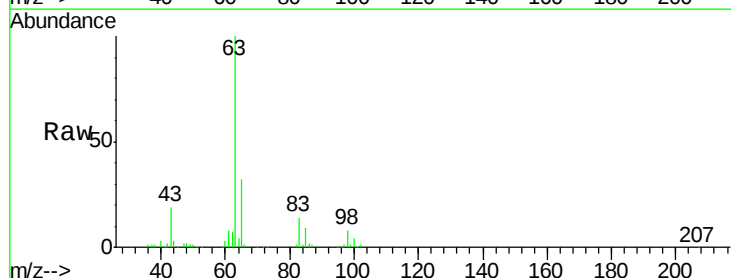
Tgt Ion: 63 Resp: 413974

Ion Ratio Lower Upper

63 100

98 8.5 4.2 12.6

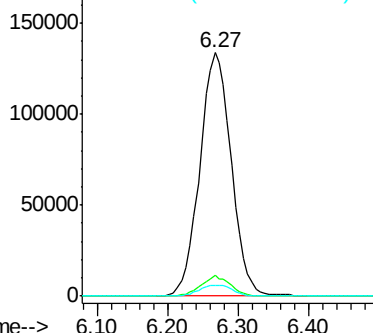
100 4.4 2.4 7.2



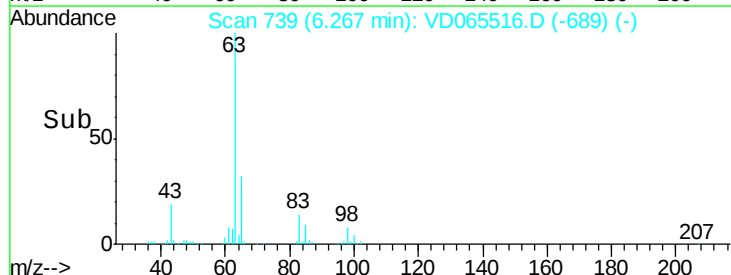
Abundance Ion 62.90 (62.60 to 63.60): VDC

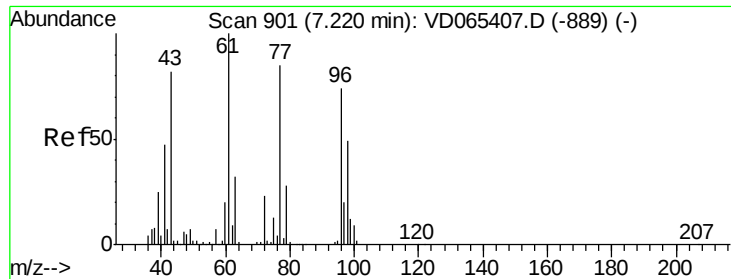
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time--> 6.10 6.20 6.30 6.40





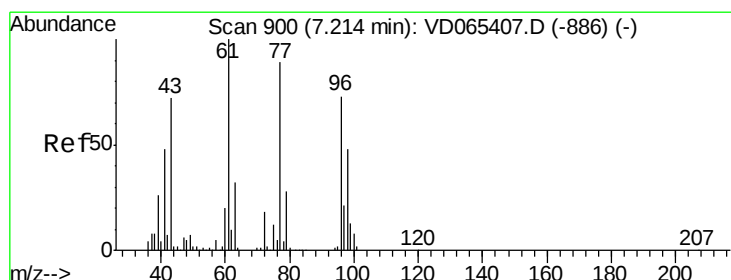
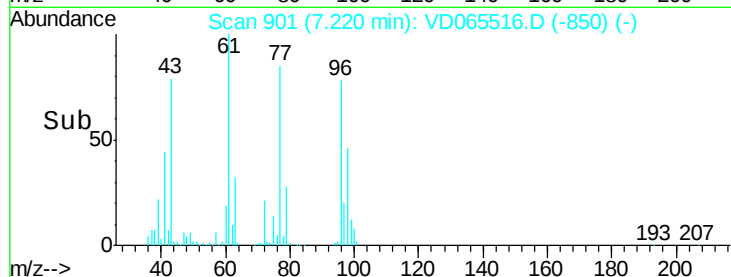
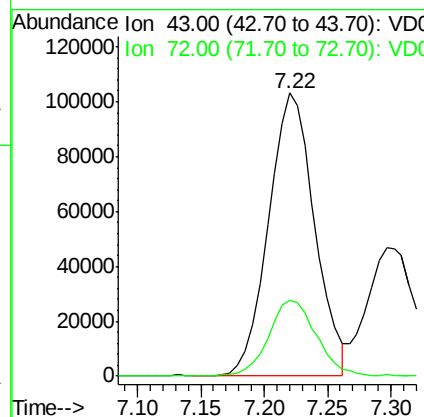
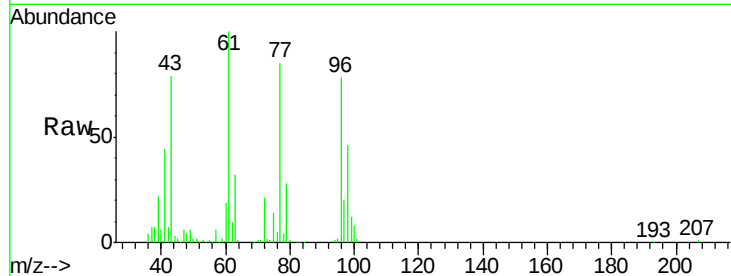
#25
2-Butanone
Concen: 227.569 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 259445
Ion Ratio Lower Upper
43 100
72 27.1 22.3 33.5

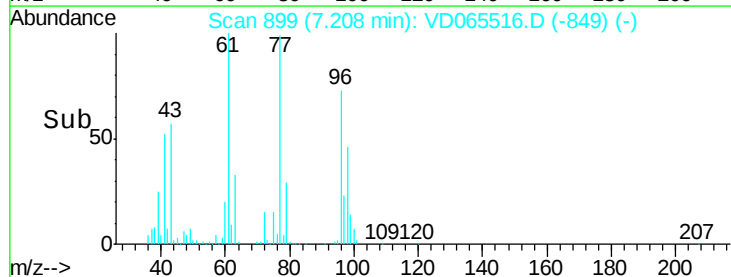
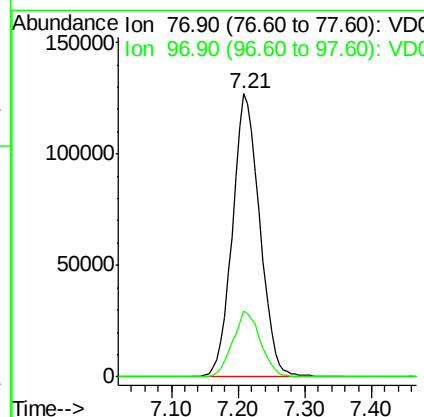
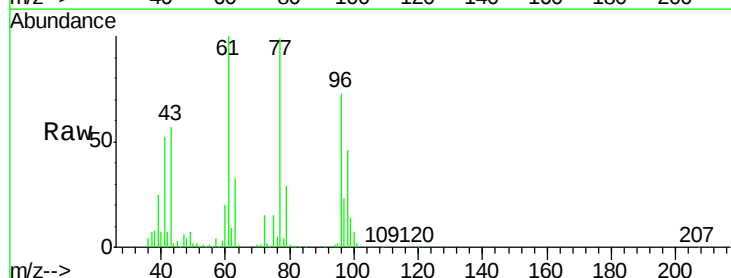
Manual Integrations
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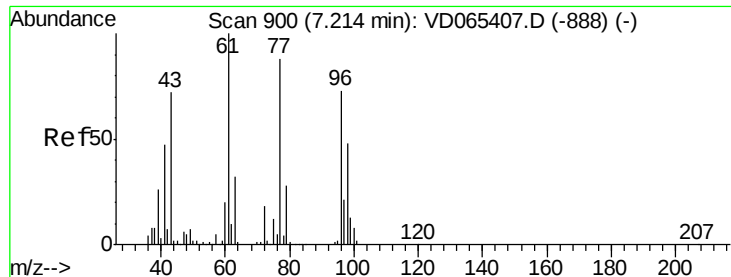
MMDadoda
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#26
2,2-Dichloropropane
Concen: 50.728 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion: 77 Resp: 363657
Ion Ratio Lower Upper
77 100
97 23.6 11.8 35.4





#27

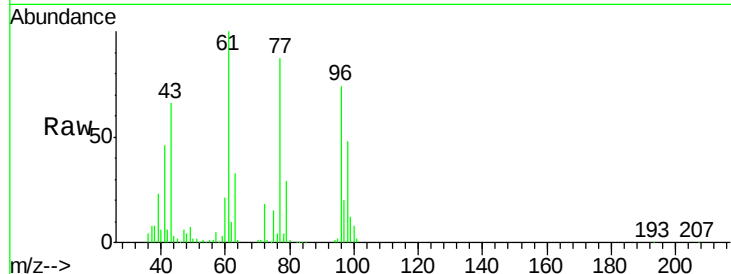
cis-1,2-Dichloroethene
 Concen: 52.782 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

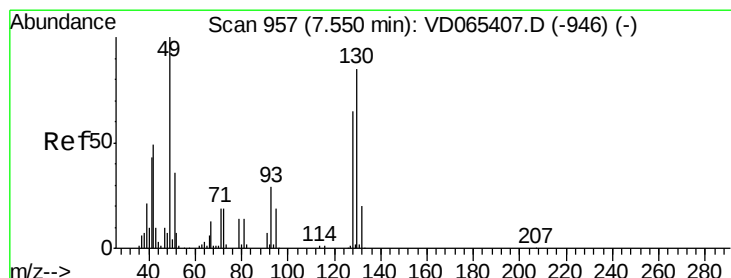
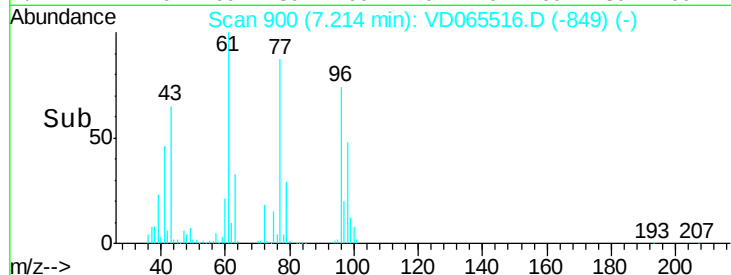
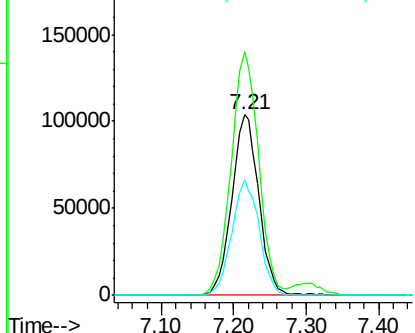
Tot Ion	Ratio	Resp	Lower	Upper
96	100	268789		
61	137.6		0.0	280.4
98	64.5		0.0	132.6

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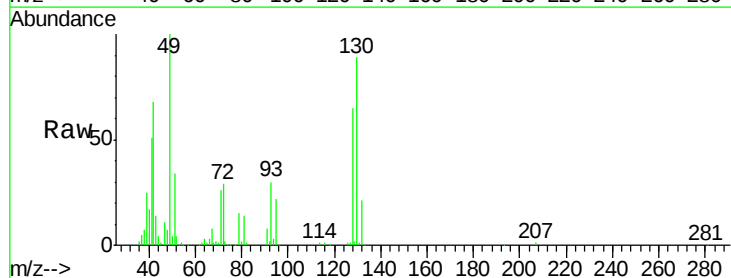
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



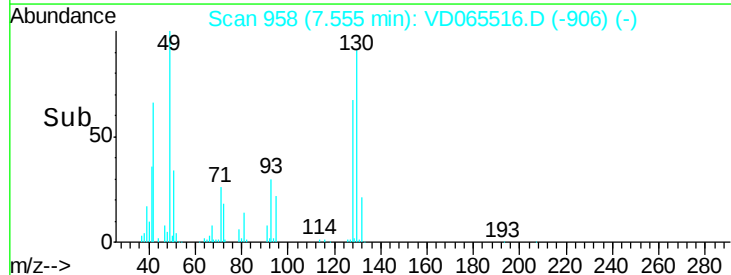
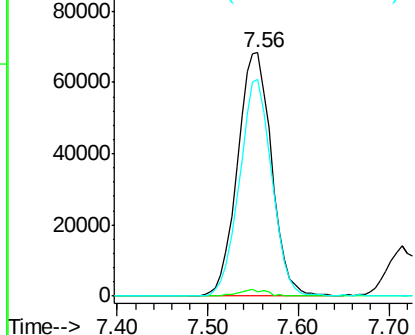
#28

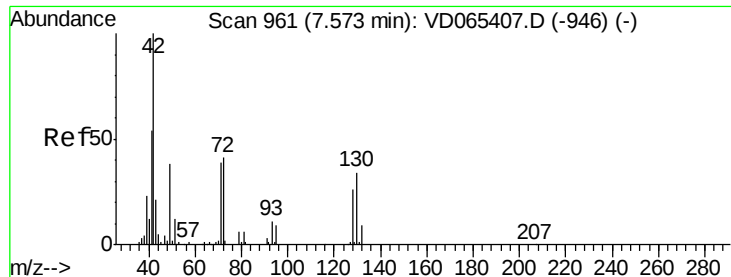
Bromochloromethane
 Concen: 54.301 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	178219		
129	2.3		0.0	4.6
130	84.8		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: 238.872 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

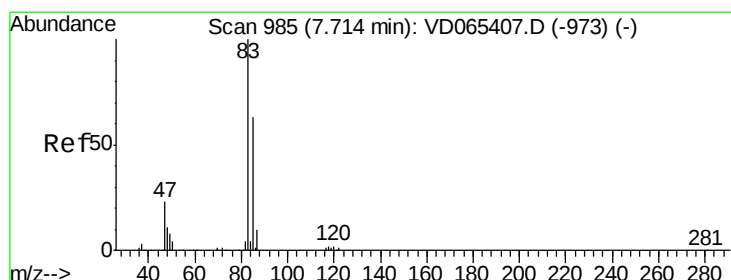
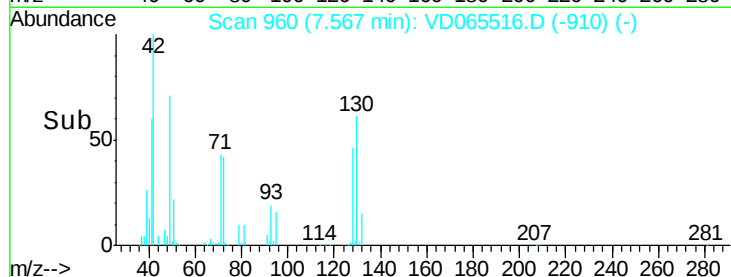
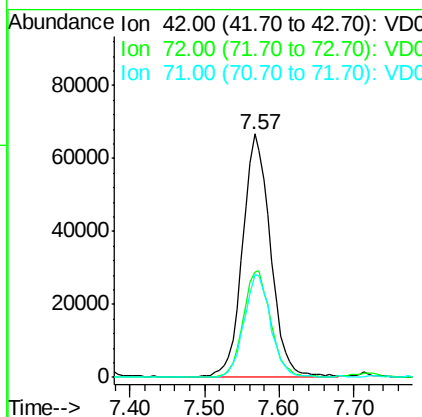
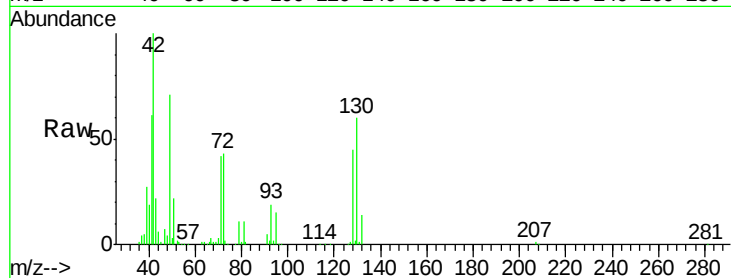
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	173914
Ion	Ratio	Lower	Upper
42	100		
72	42.9	33.0	49.6
71	40.1	32.0	48.0

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#30

Chloroform

Concen: 51.342 ug/l

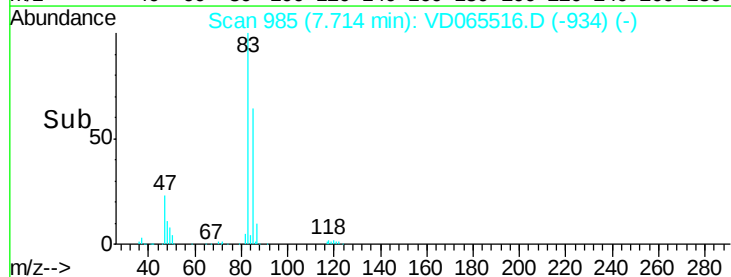
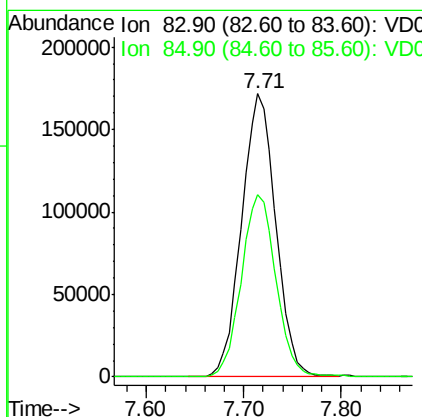
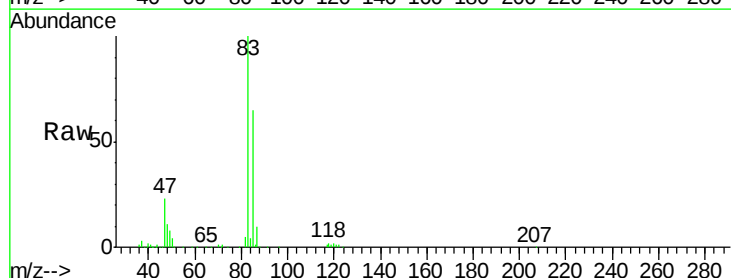
RT: 7.71 min Scan# 985

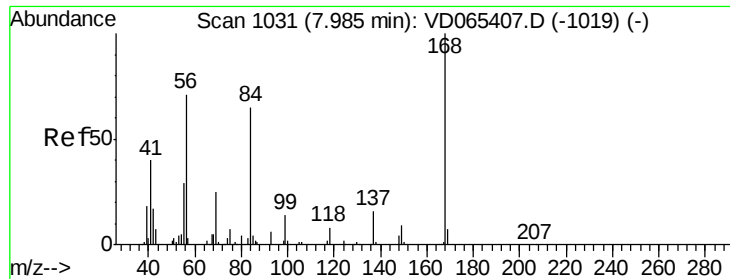
Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Tgt Ion:	83	Resp:	420972
Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.3	75.5





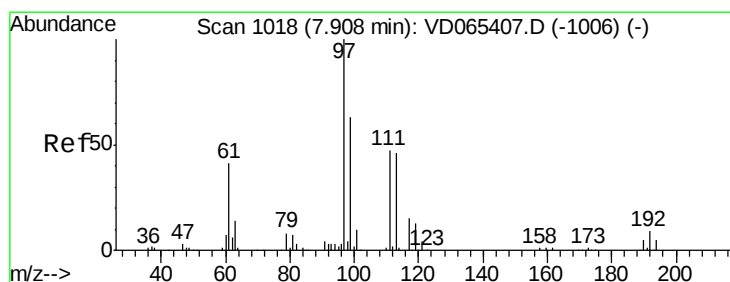
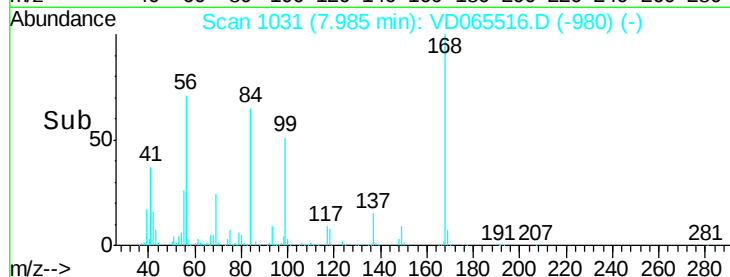
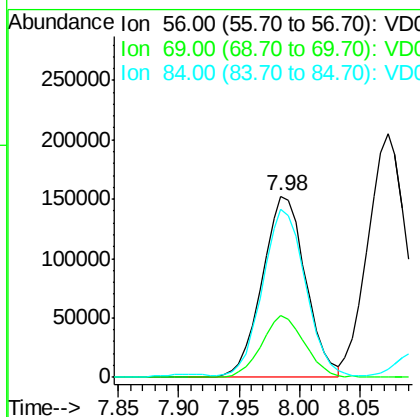
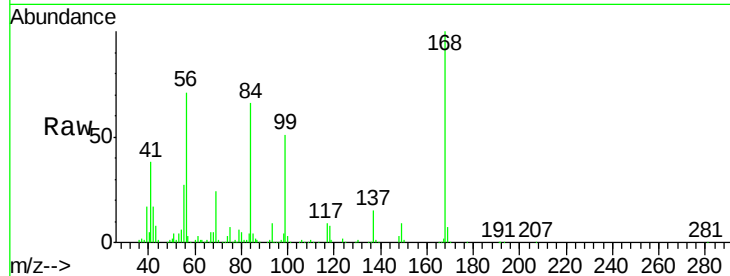
#31
Cyclohexane
Concen: 46.268 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	28.3	42.5
84	91.1	73.1	109.7

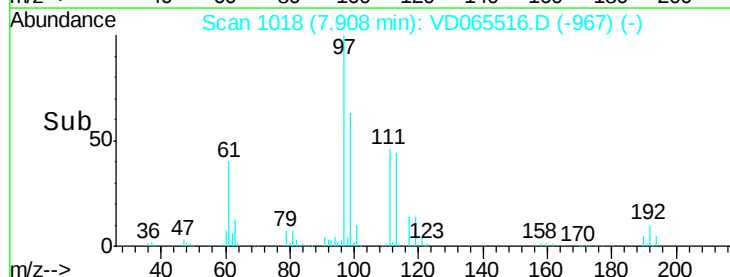
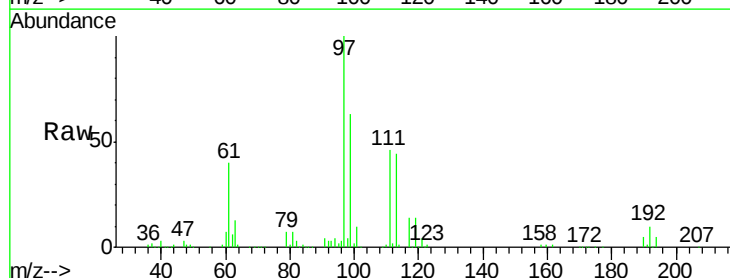
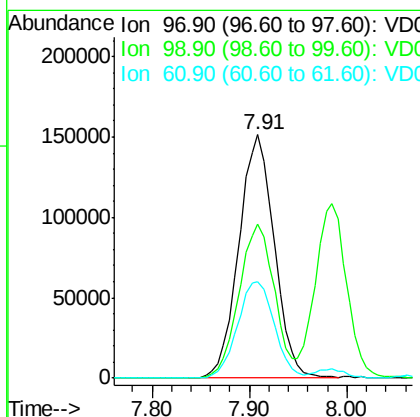
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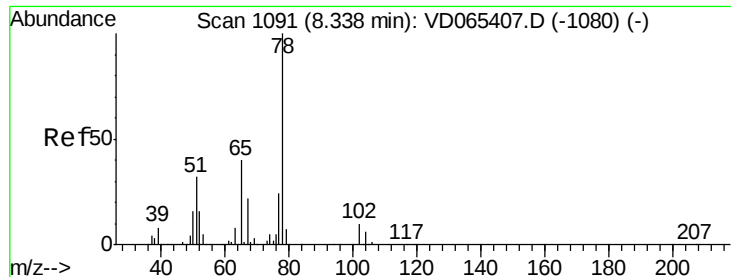
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 50.574 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.9	76.3
61	41.1	33.2	49.8





#33

1,2-Dichloroethane-d4

Concen: 47.515 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 196277

Ion Ratio Lower Upper

65 100

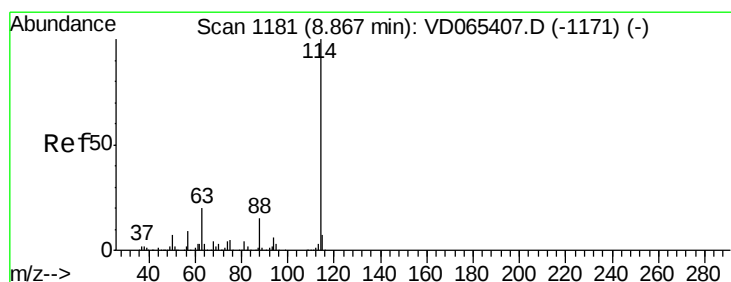
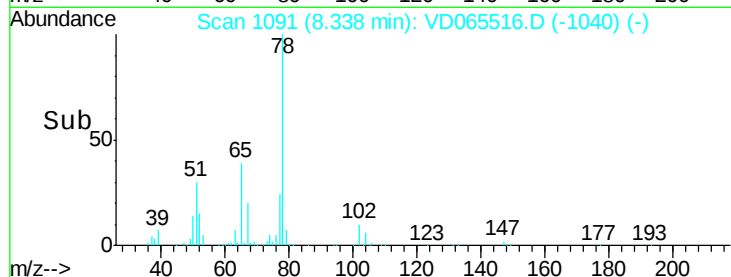
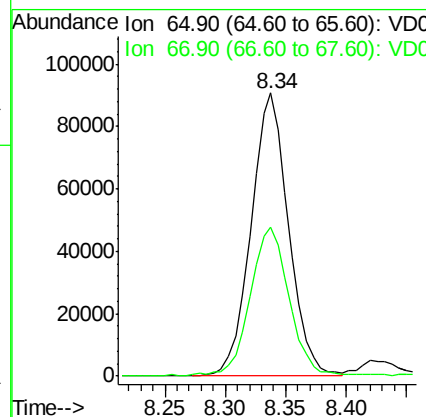
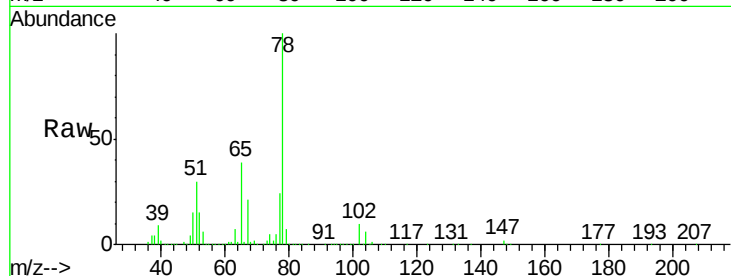
67 55.0 0.0 108.0

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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: VD065516.D

Acq: 16 Mar 2020 16:57

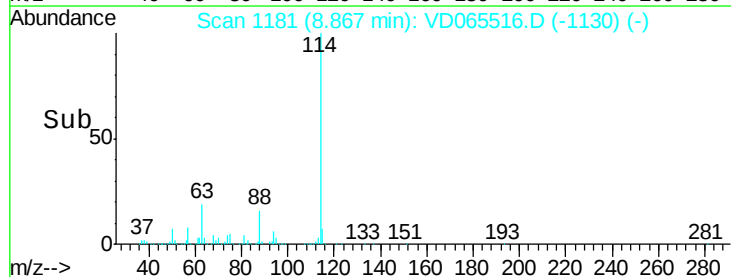
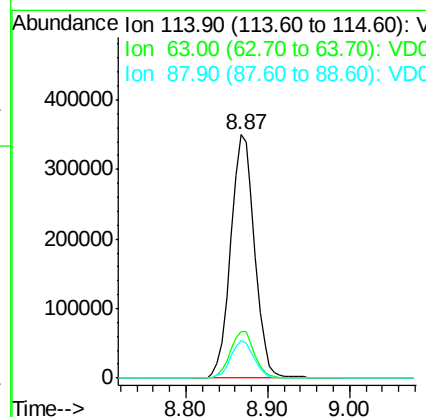
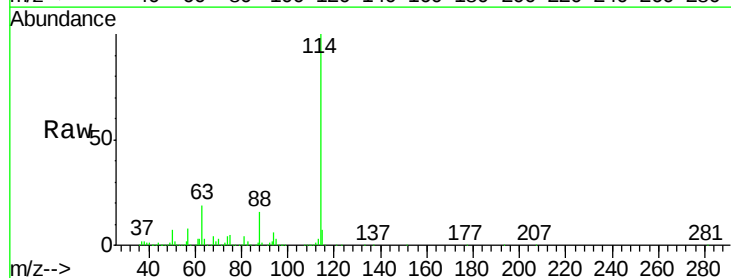
Tgt Ion: 114 Resp: 710120

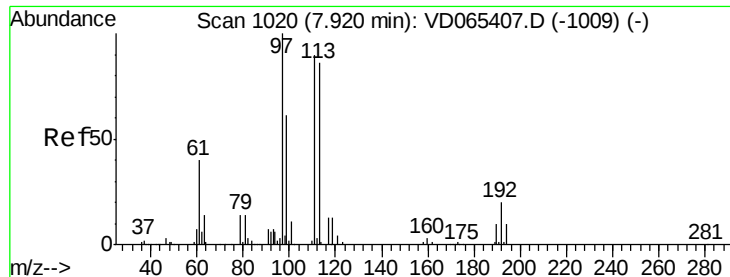
Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 15.5 0.0 30.4





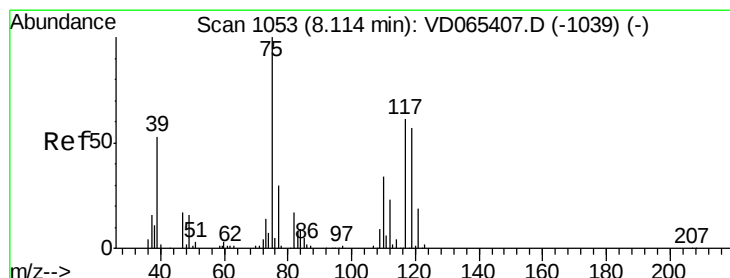
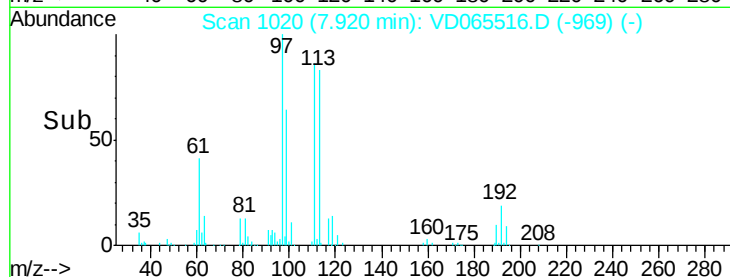
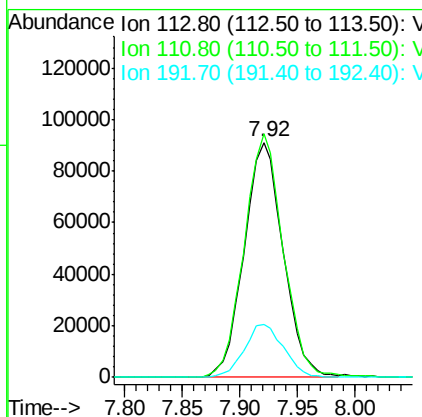
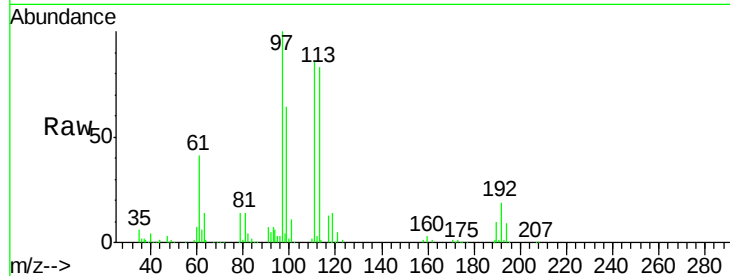
#35
Dibromofluoromethane
Concen: 48.855 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.1	123.1
192	22.7	17.2	25.8

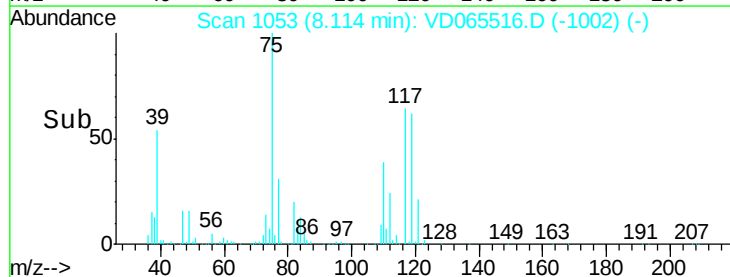
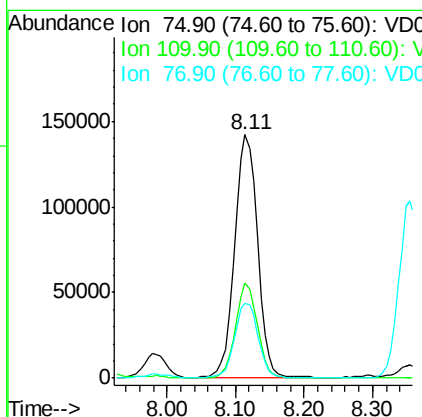
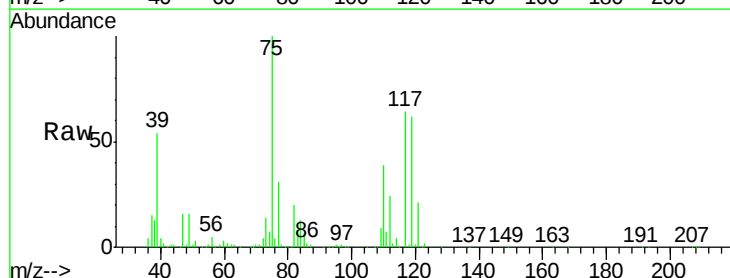
Manual Integrations
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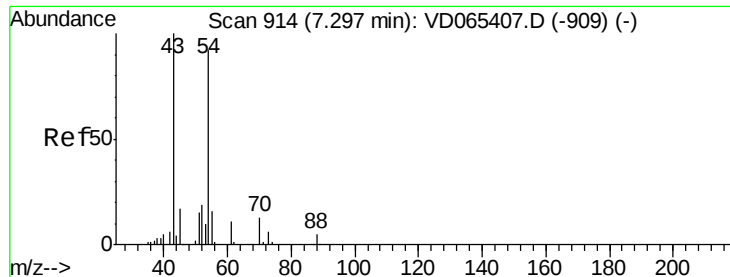
MMDadoda
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#36
1,1-Dichloropropene
Concen: 48.539 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.3	18.1	54.1
77	31.5	25.2	37.8





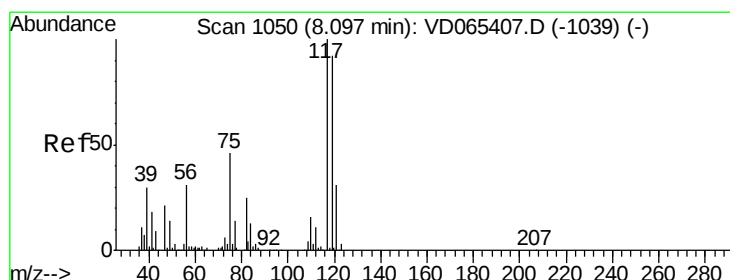
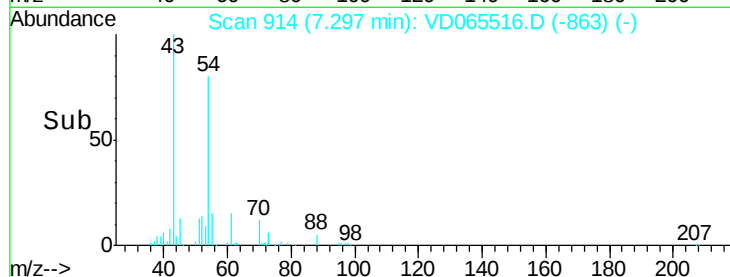
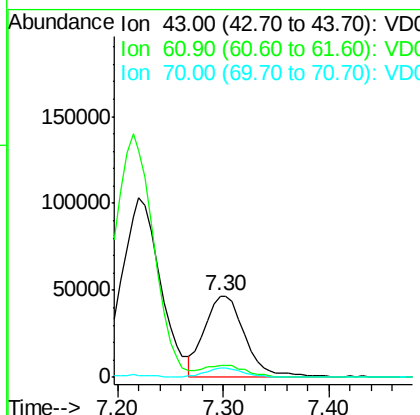
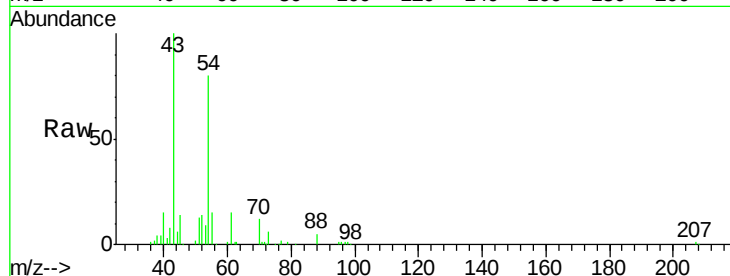
#37
Ethyl Acetate
Concen: 46.855 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.4	17.0
70	11.3	9.0	13.4

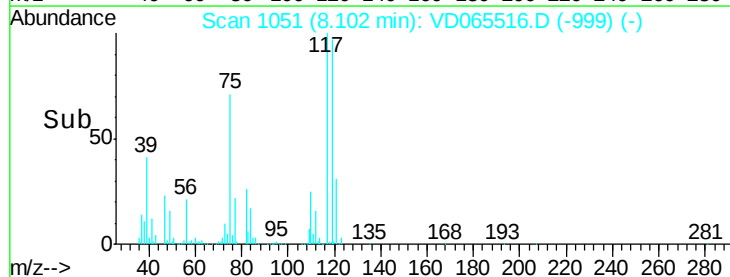
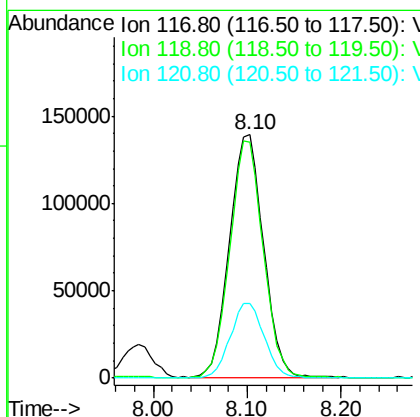
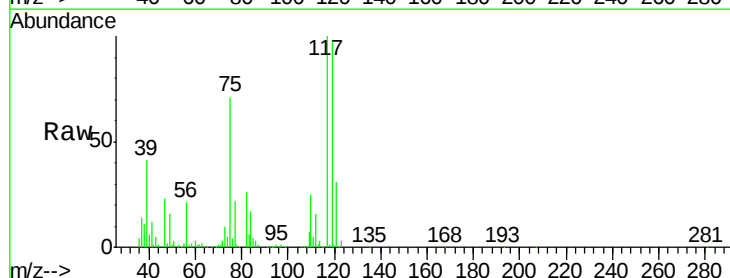
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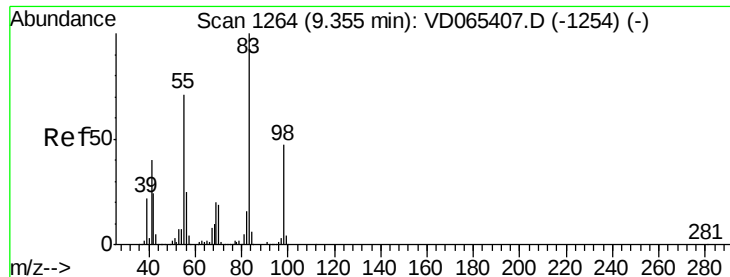
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.416 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	73.3	109.9
121	31.0	25.0	37.4





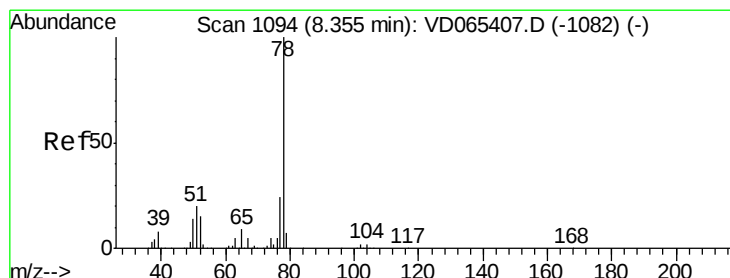
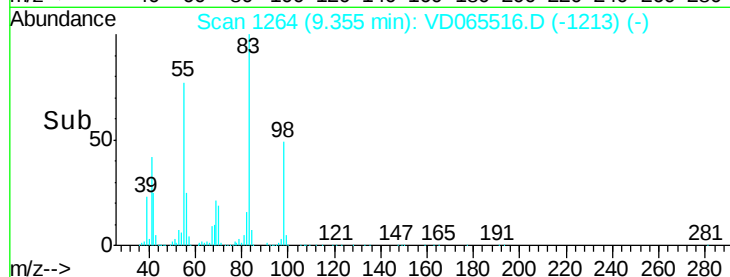
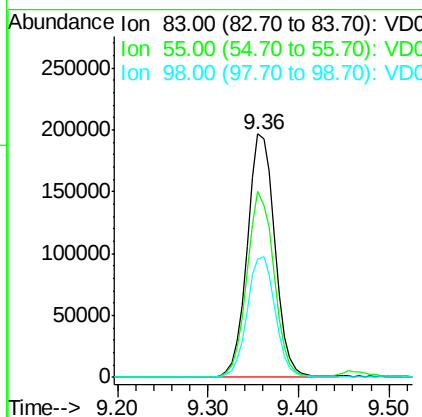
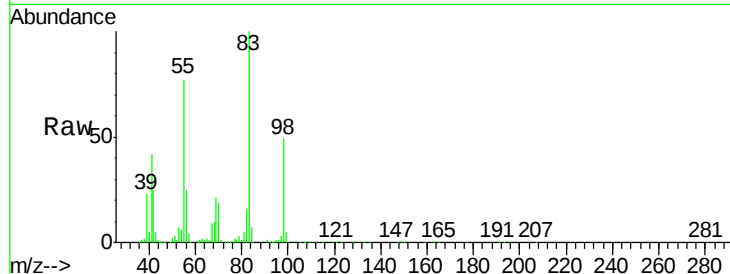
#39
Methvlcvclohexane
Concen: 50.391 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.5	57.1	85.7
98	48.8	37.8	56.8

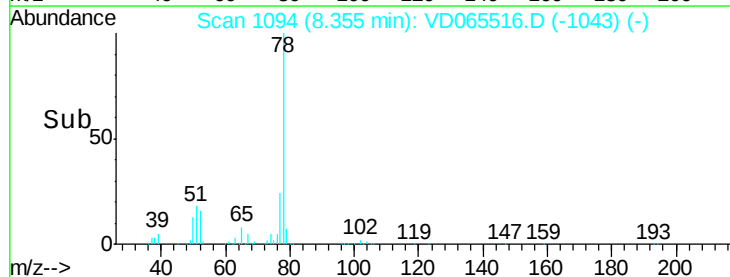
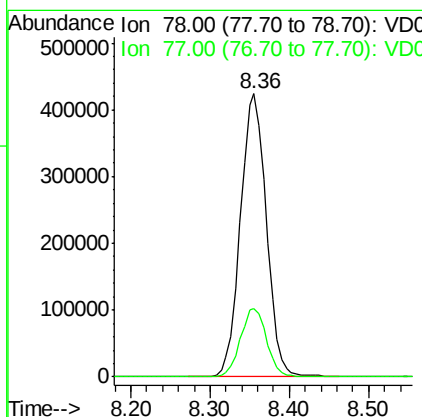
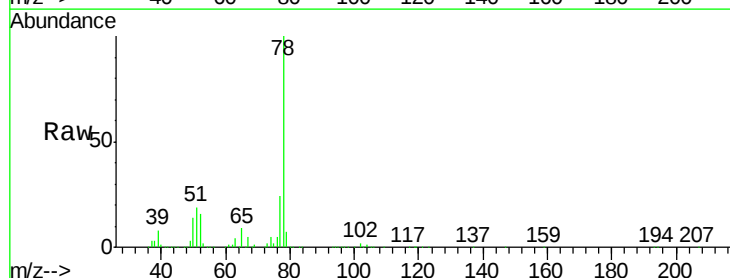
Manual Integrations
APPROVED

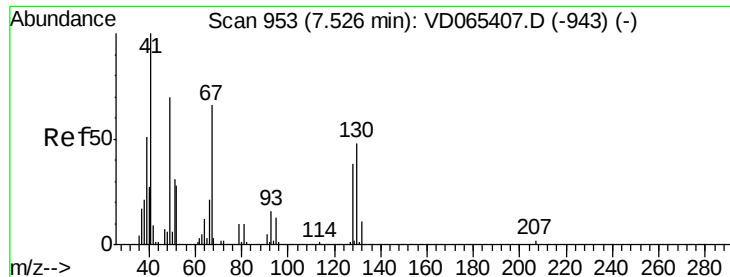
MMDadoda
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#40
Benzene
Concen: 50.569 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.4	29.0





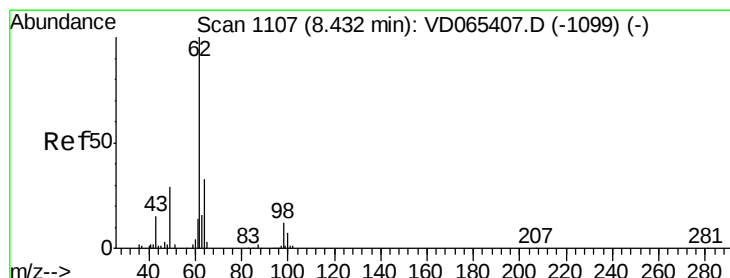
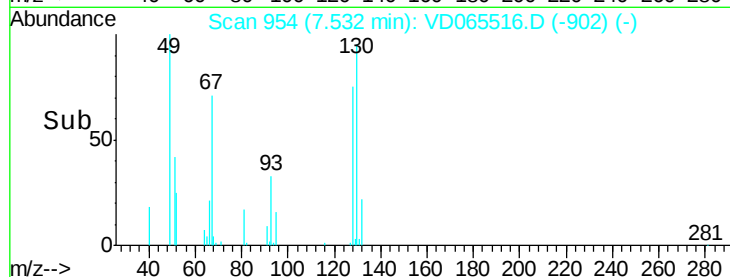
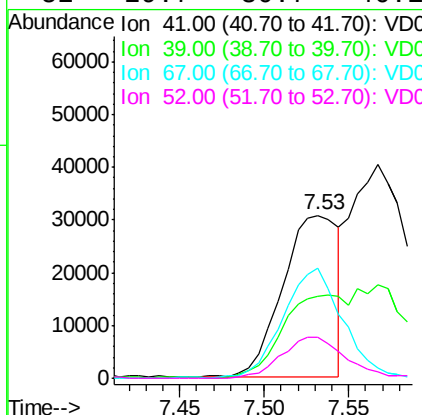
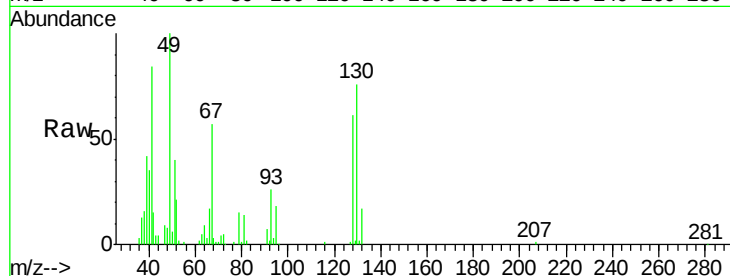
#41
Methacrylonitrile
Concen: 50.506 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.6	55.0	82.6
67	73.5	70.3	105.5
52	29.7	30.7	46.1#

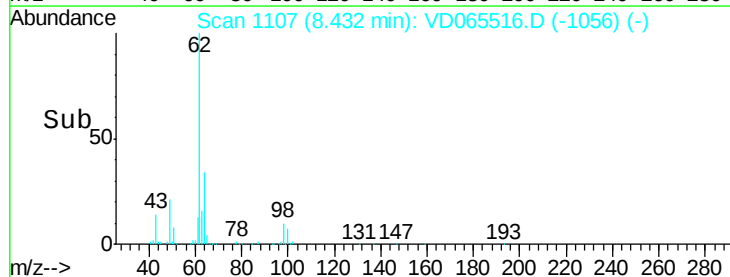
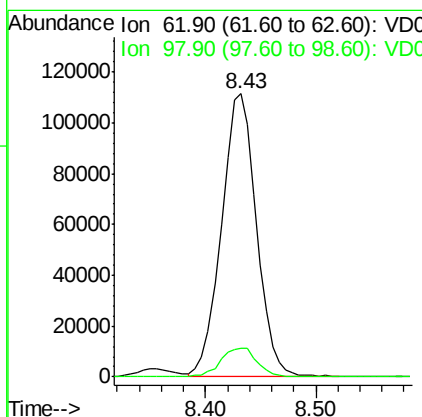
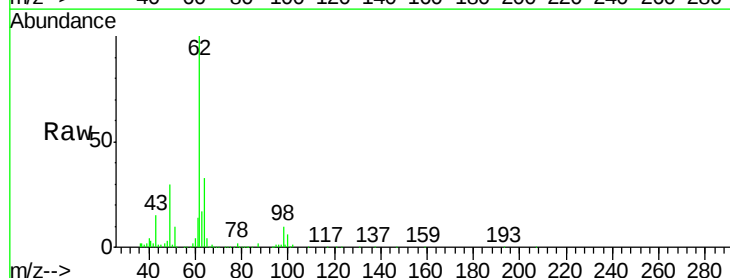
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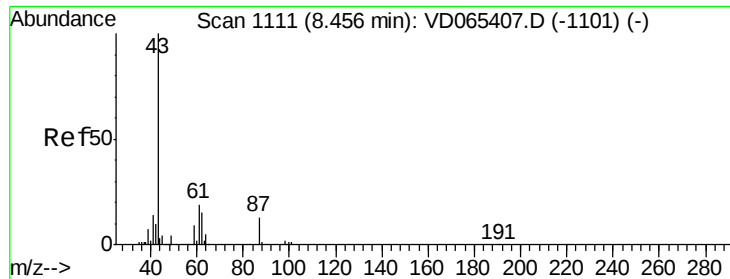
MMDadoda
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#42
1,2-Dichloroethane
Concen: 49.369 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	21.4





#43

Isopropyl Acetate

Concen: 47.170 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

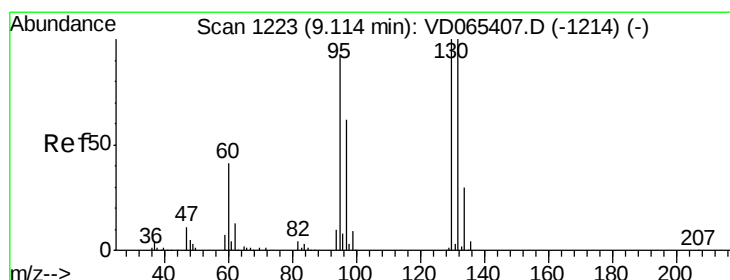
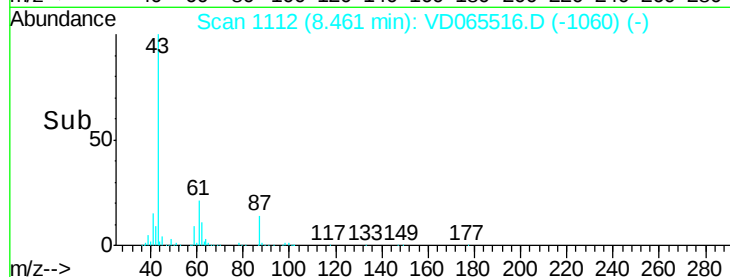
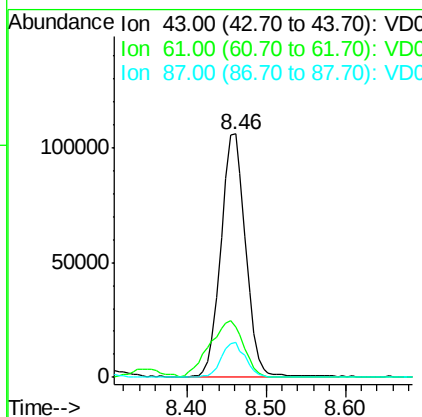
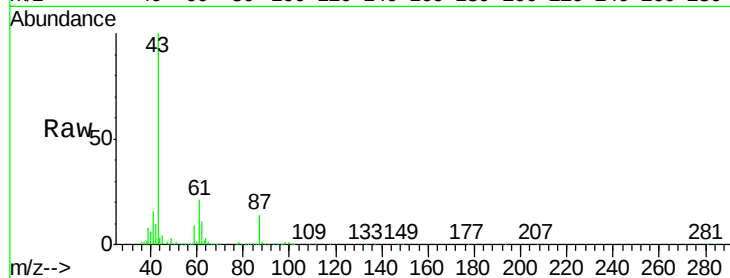
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	229152
Ion	Ratio	Lower	Upper
43	100		
61	32.3	25.0	37.6
87	14.0	11.0	16.4

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#44

Trichloroethene

Concen: 51.173 ug/l

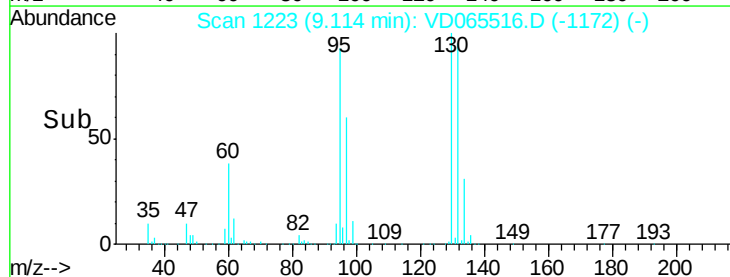
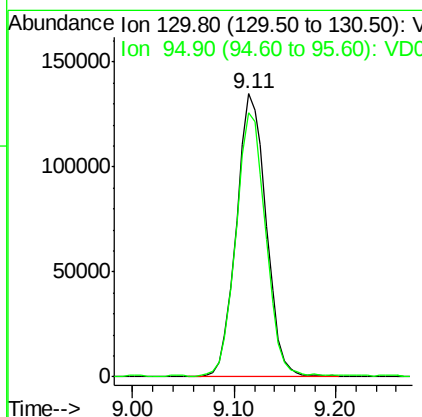
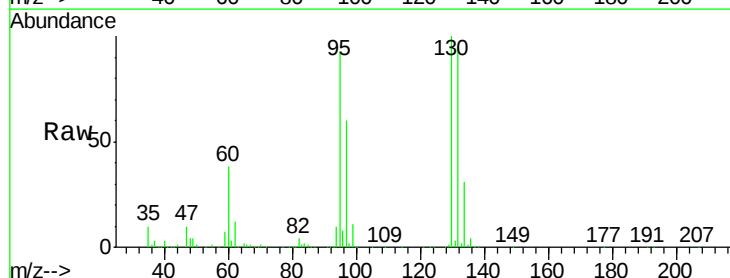
RT: 9.11 min Scan# 1223

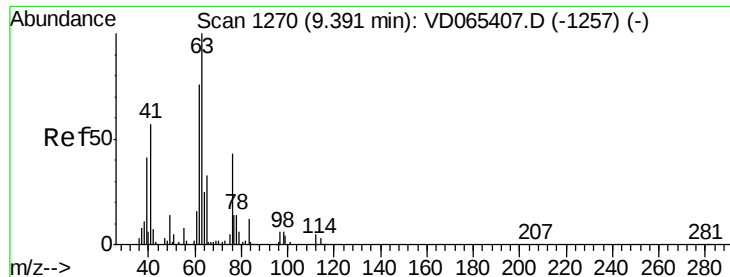
Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Tgt Ion:	130	Resp:	275042
Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	186.0





#45

1,2-Dichloropropane

Concen: 51.282 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 236419

Ion Ratio Lower Upper

63 100

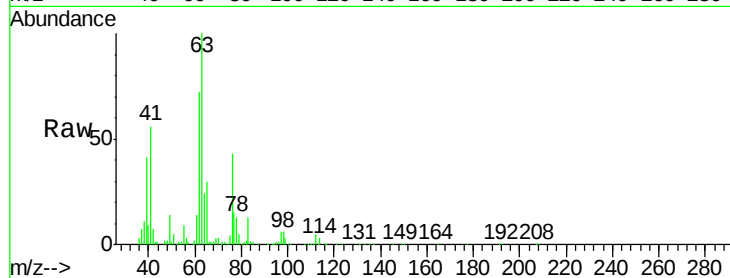
65 29.7 26.4 39.6

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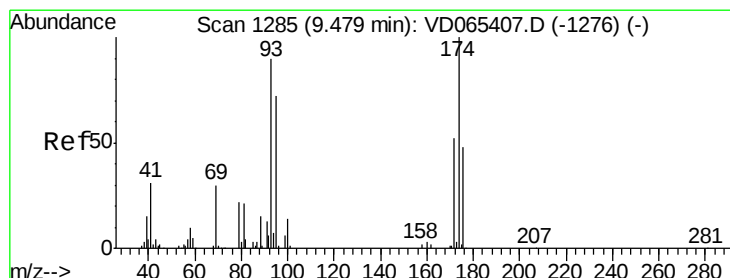
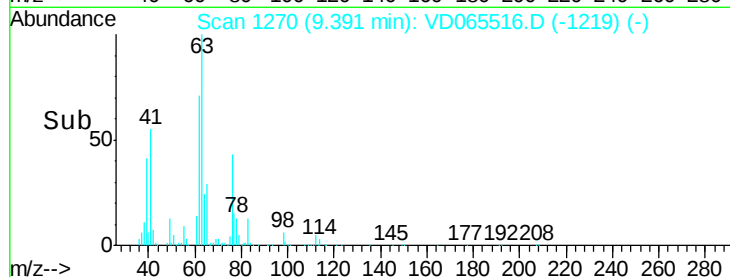
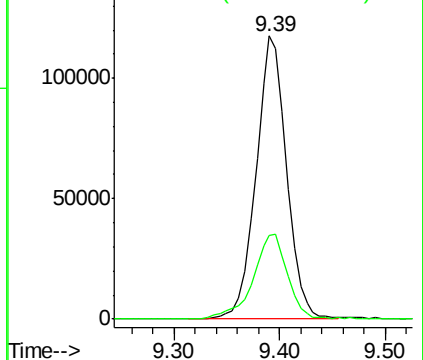
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 50.172 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

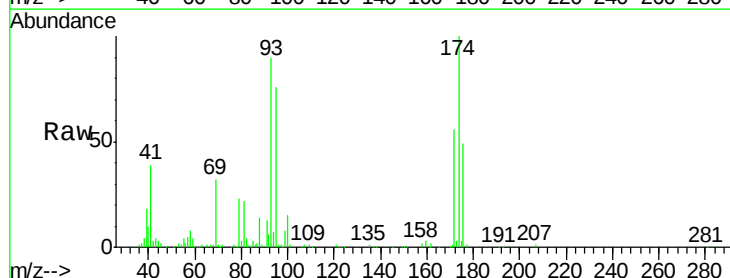
Tgt Ion: 93 Resp: 119977

Ion Ratio Lower Upper

93 100

95 83.5 65.0 97.6

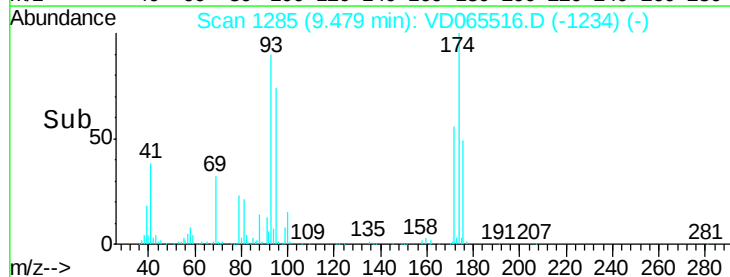
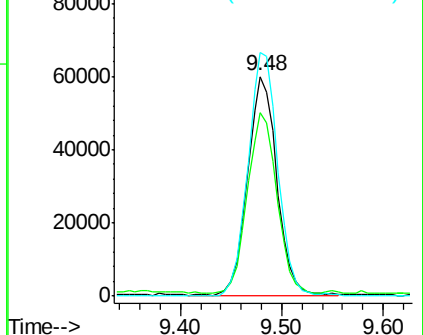
174 113.9 88.3 132.5

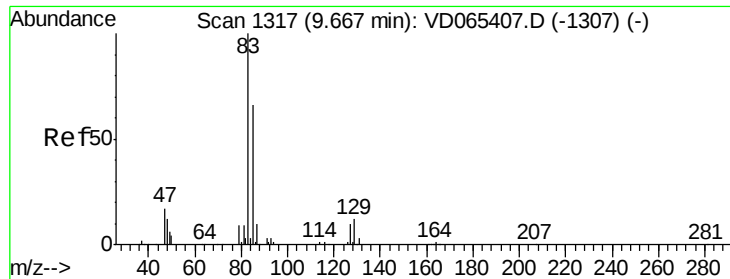


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.105 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

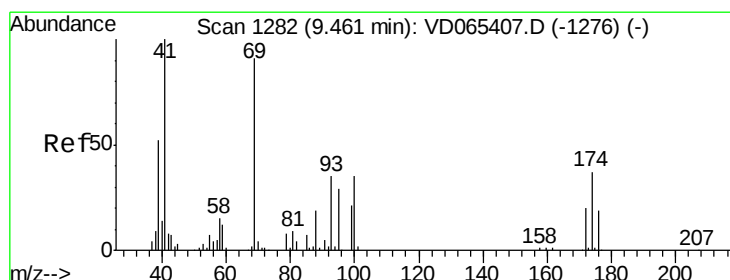
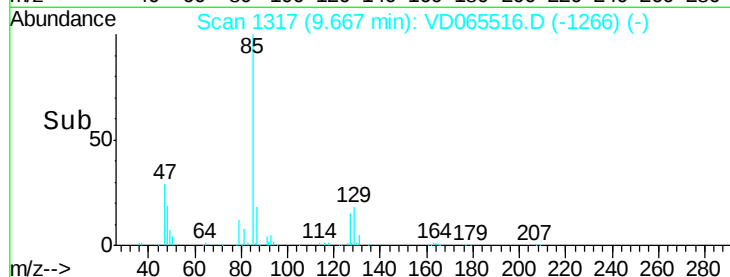
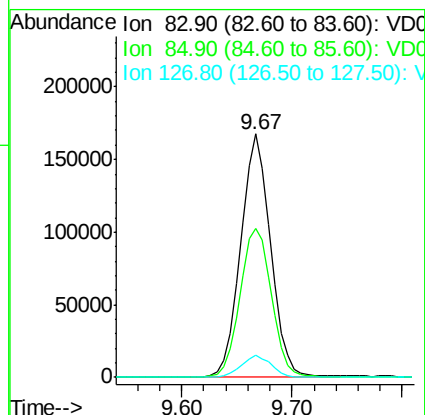
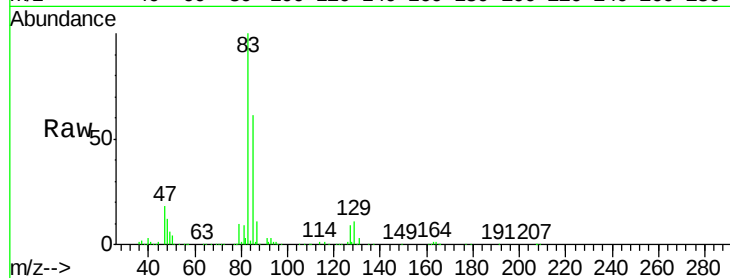
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	317933
Ion	Ratio	Lower	Upper
83	100		
85	61.5	52.8	79.2
127	9.0	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.650 ug/l

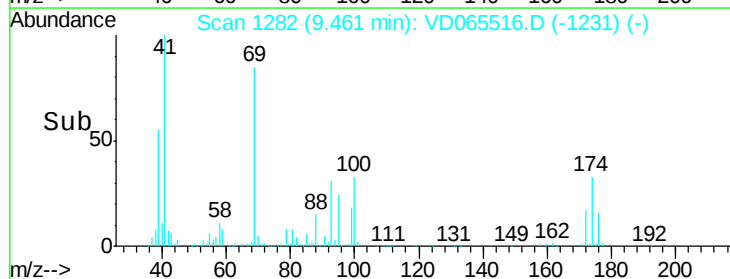
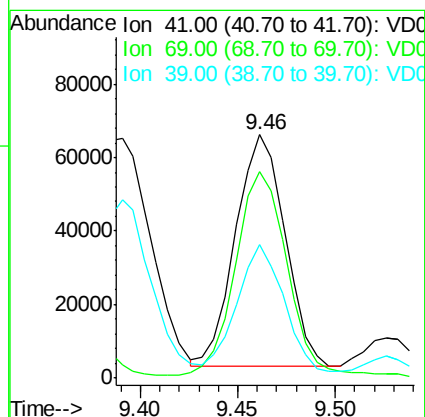
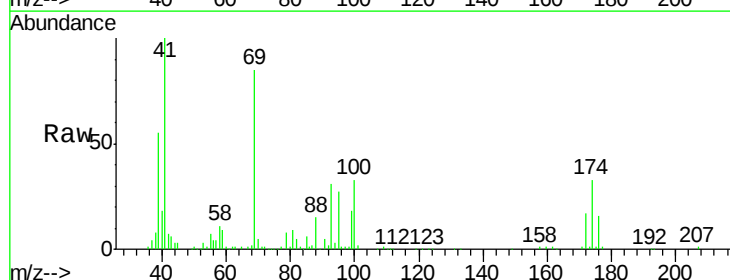
RT: 9.46 min Scan# 1282

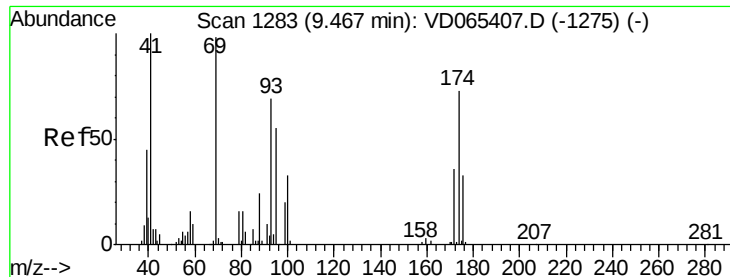
Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Tgt Ion:	41	Resp:	111173
Ion	Ratio	Lower	Upper
41	100		
69	92.0	72.5	108.7
39	51.2	41.6	62.4





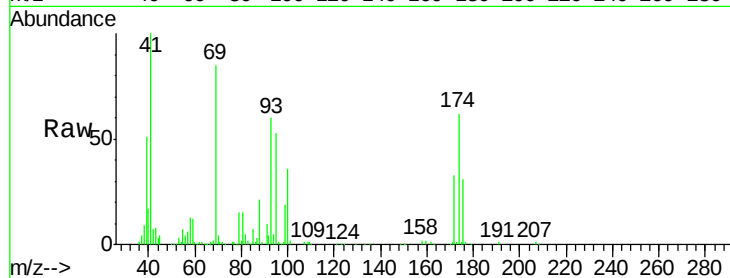
#49
1,4-Dioxane
Concen: 929.472 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

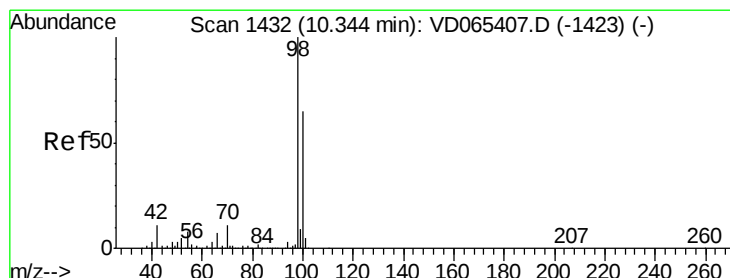
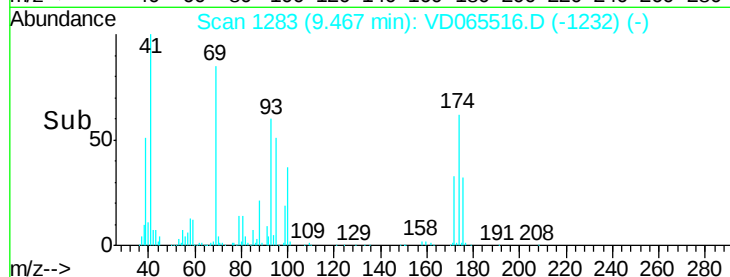
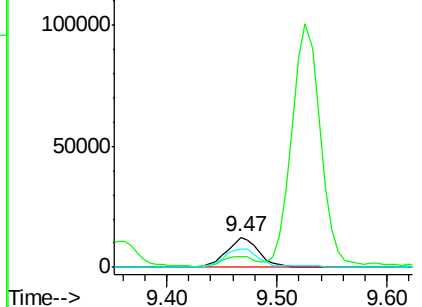
Tot Ion	88	Resp	25424
Ion Ratio	Lower	Upper	
88	100		
43	32.7	24.5	36.7
58	65.6	54.5	81.7

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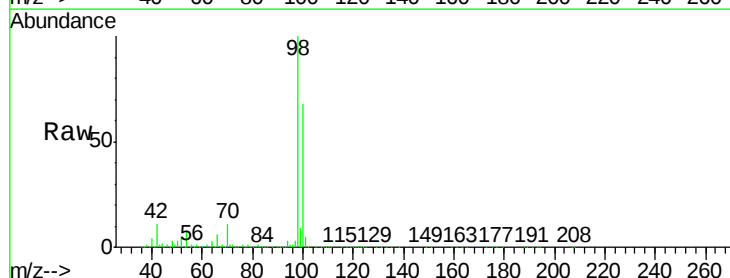


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

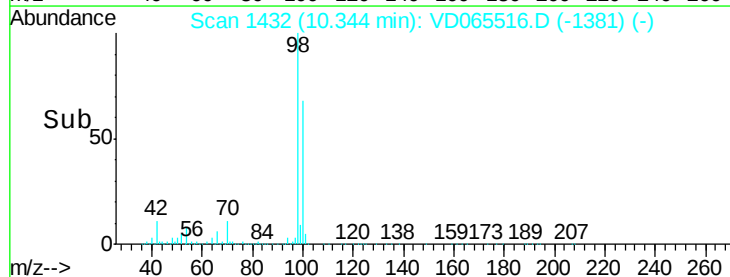
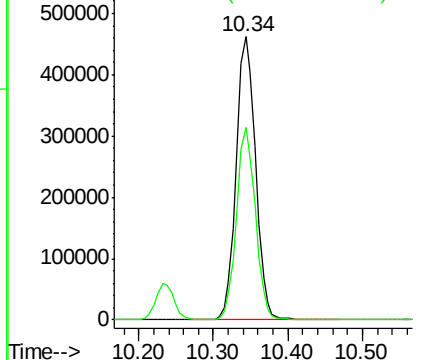


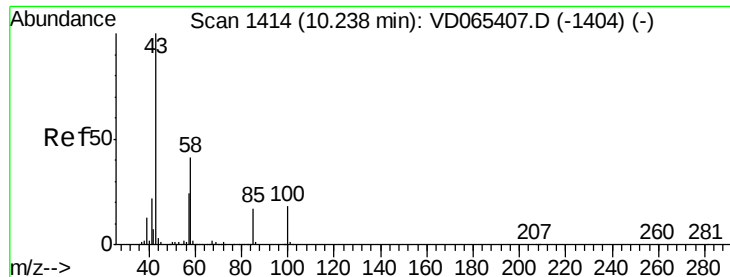
#50
Toluene-d8
Concen: 49.816 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion	98	Resp	839264
Ion Ratio	Lower	Upper	
98	100		
100	66.2	52.8	79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 251.217 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 614132

Ion Ratio Lower Upper

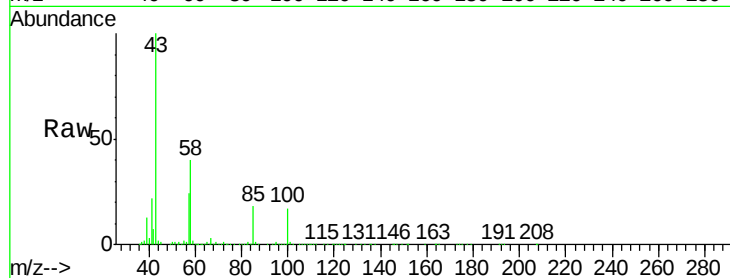
43 100

58 40.5 31.8 47.6

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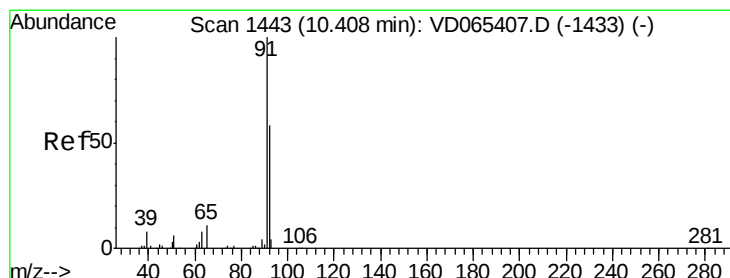
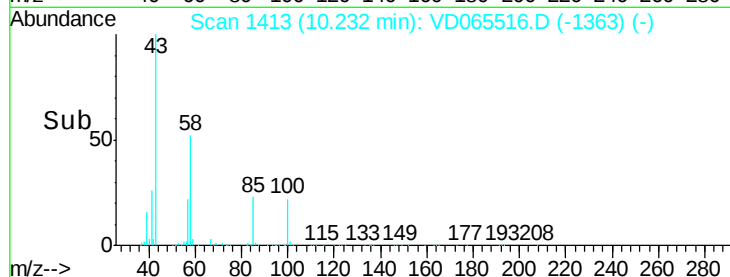
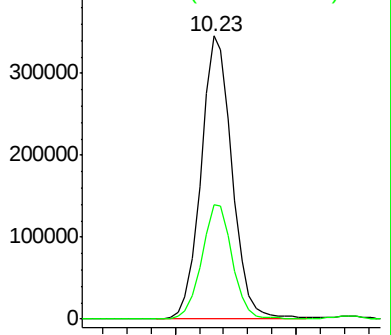
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 52.074 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065516.D

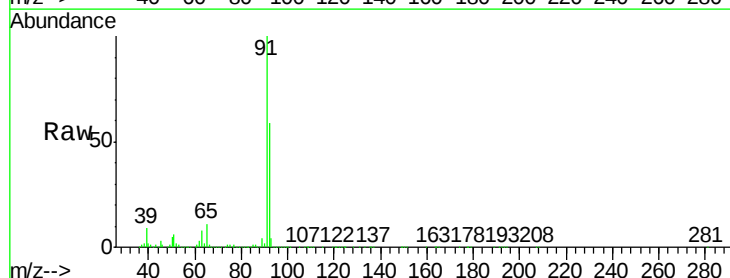
Acq: 16 Mar 2020 16:57

Tgt Ion: 92 Resp: 624348

Ion Ratio Lower Upper

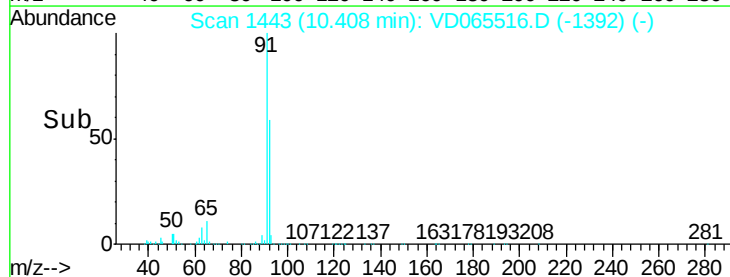
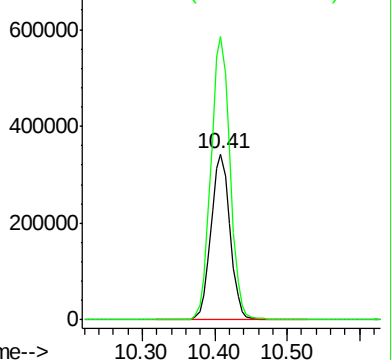
92 100

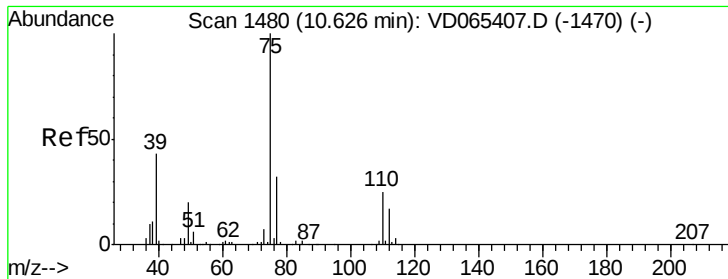
91 171.4 137.8 206.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





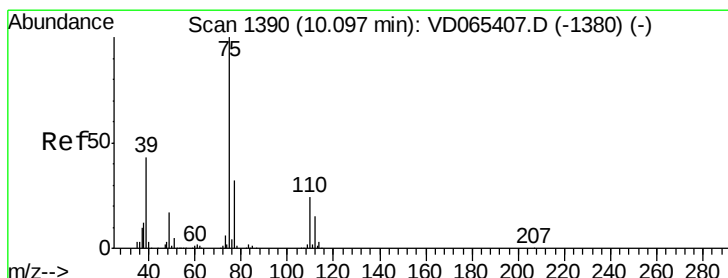
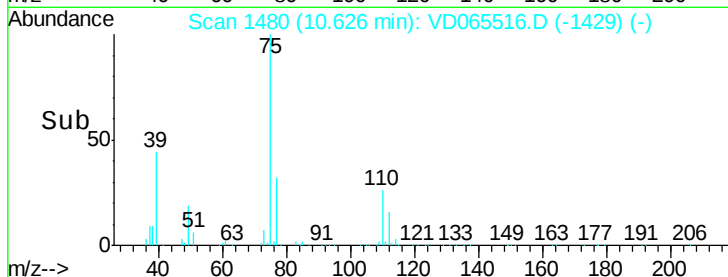
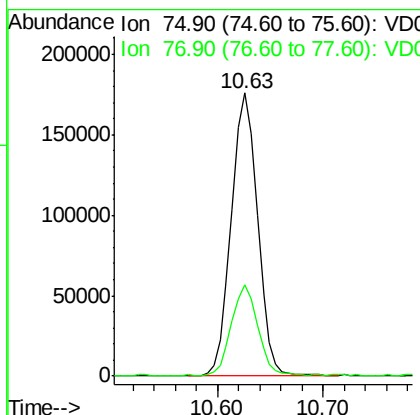
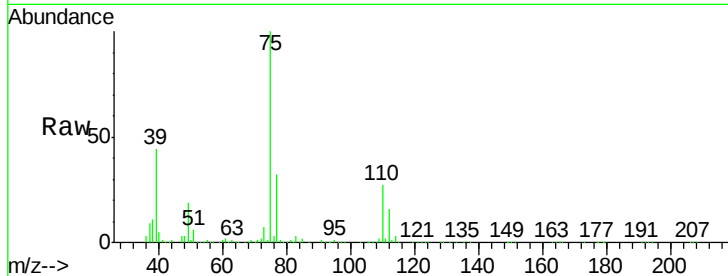
#53
t-1,3-Dichloropropene
Concen: 52.325 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 304204
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.2

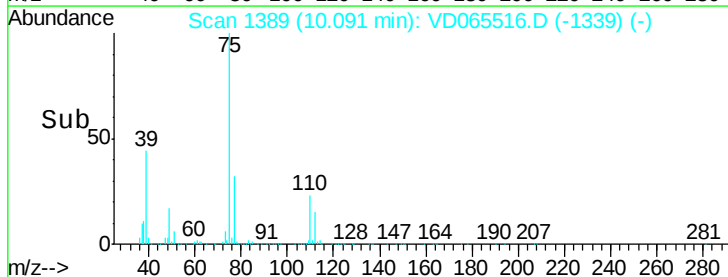
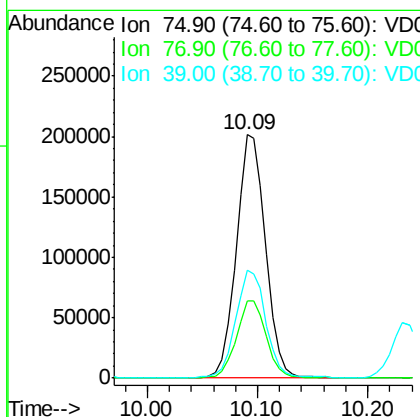
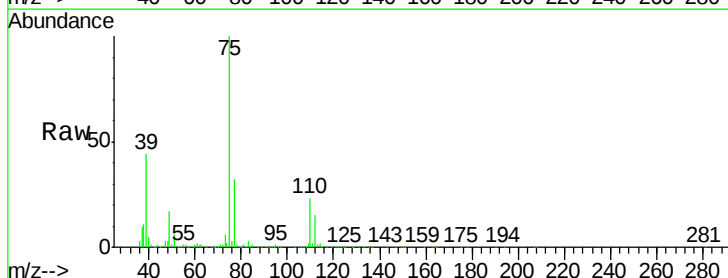
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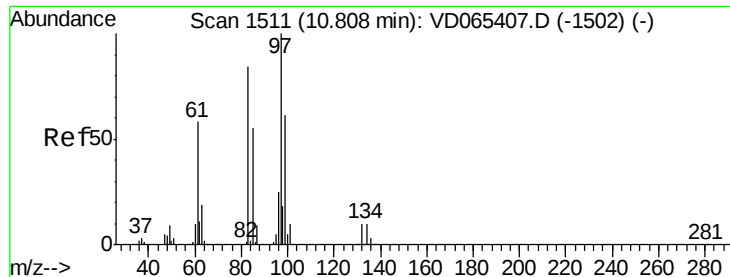
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#54
cis-1,3-Dichloropropene
Concen: 53.125 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion: 75 Resp: 373847
Ion Ratio Lower Upper
75 100
77 31.5 25.3 37.9
39 44.1 34.6 52.0





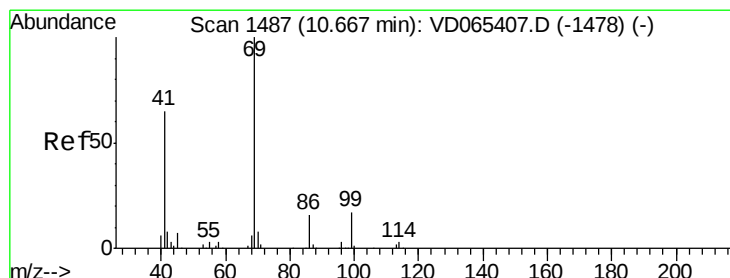
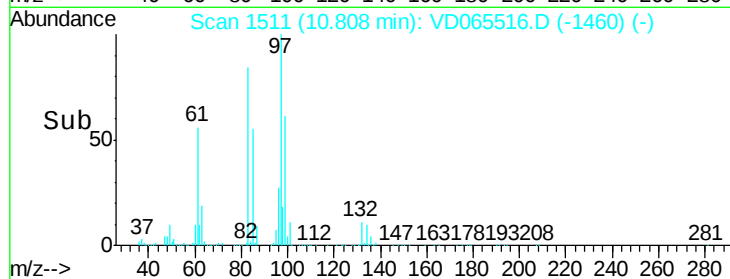
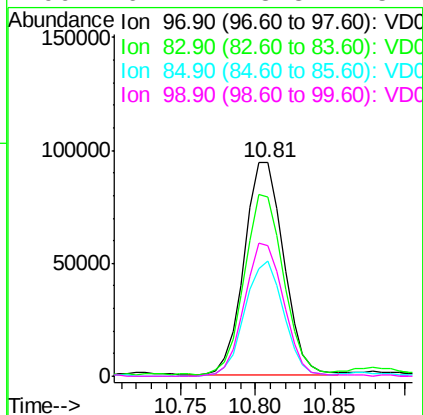
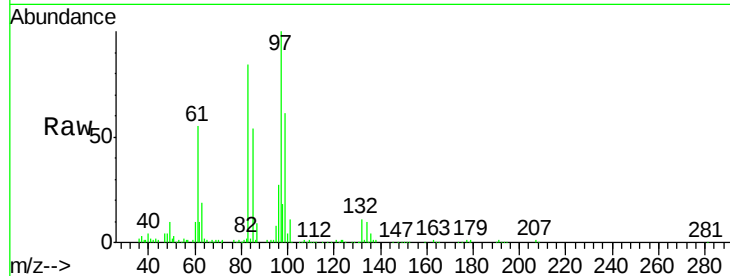
#55
 1,1,2-Trichloroethane
 Concen: 51.059 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		172931		
83	83.1	67.4	101.0		
85	54.5	43.8	65.8		
99	61.2	48.8	73.2		

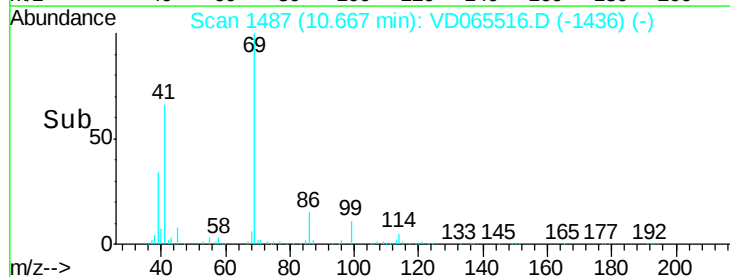
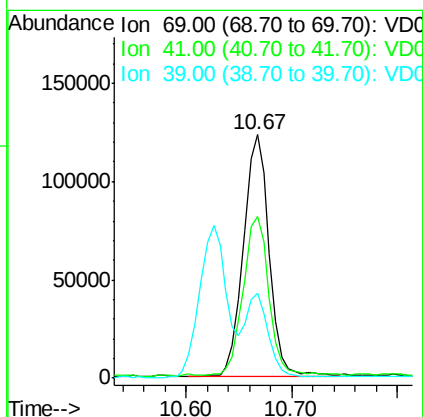
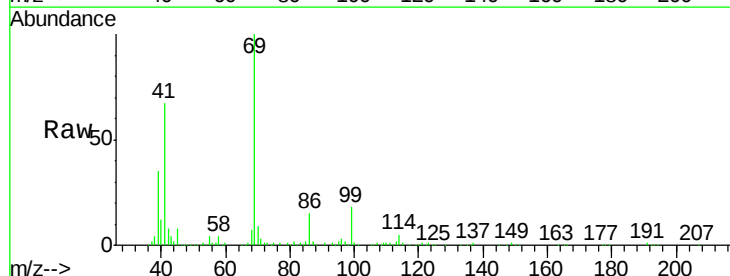
Manual Integrations
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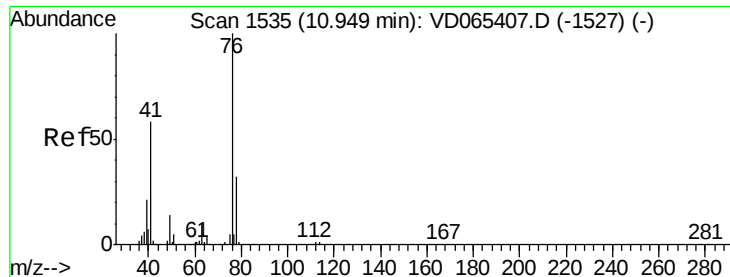
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 3/17/2020 12:09:57 PM



#56
 Ethyl methacrylate
 Concen: 54.806 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		209263		
41	64.2	53.0	79.6		
39	30.3	26.0	39.0		





#57

1,3-Dichloropropane

Concen: 51.531 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 295304

Ion Ratio Lower Upper

76 100

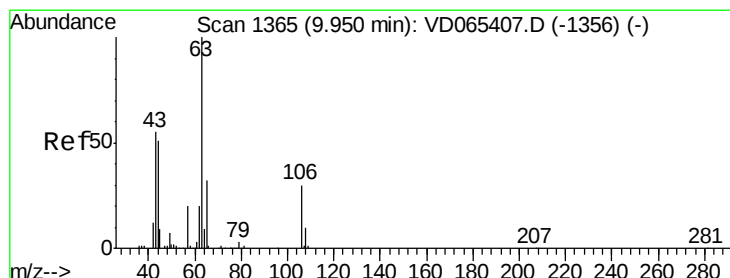
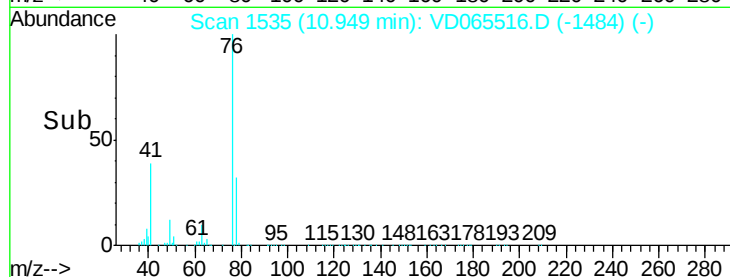
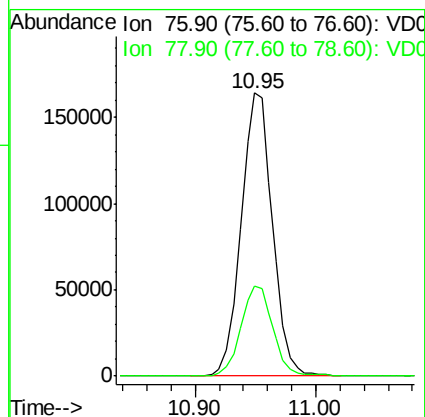
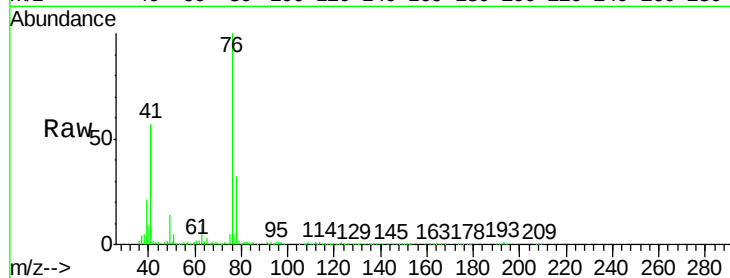
78 33.0 26.0 39.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 236.884 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065516.D

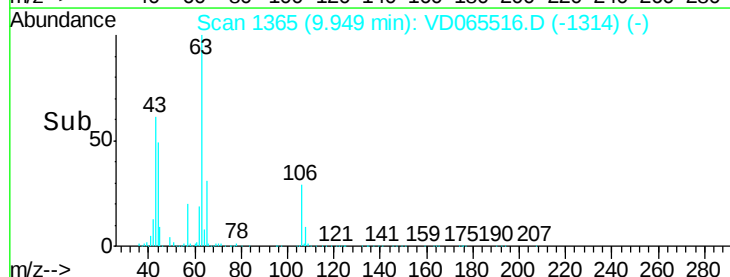
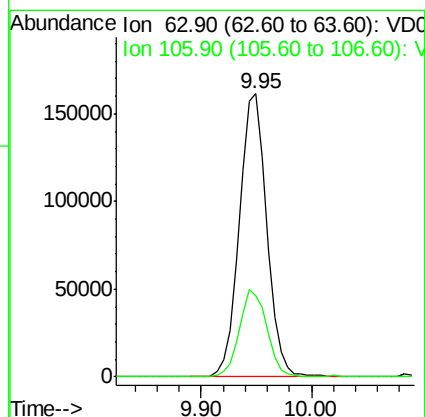
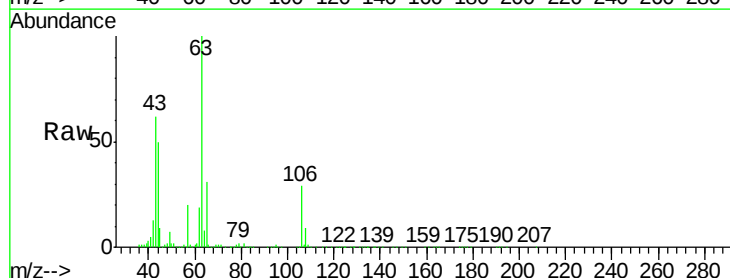
Acq: 16 Mar 2020 16:57

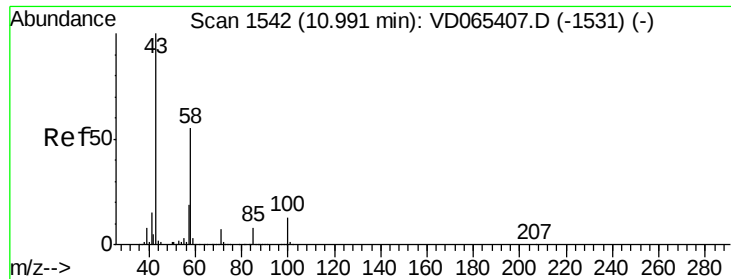
Tgt Ion: 63 Resp: 282550

Ion Ratio Lower Upper

63 100

106 30.8 23.3 34.9





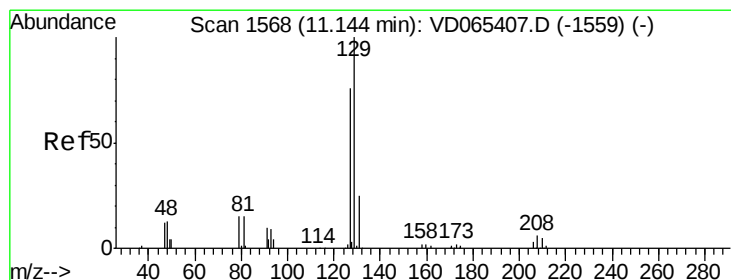
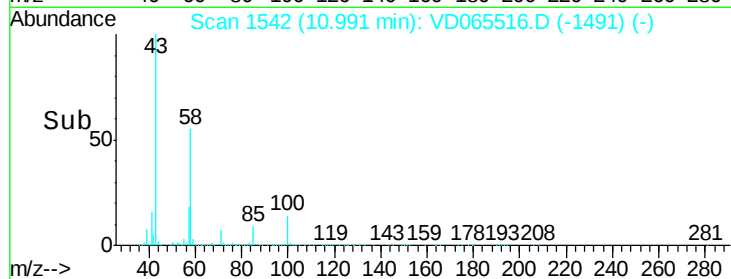
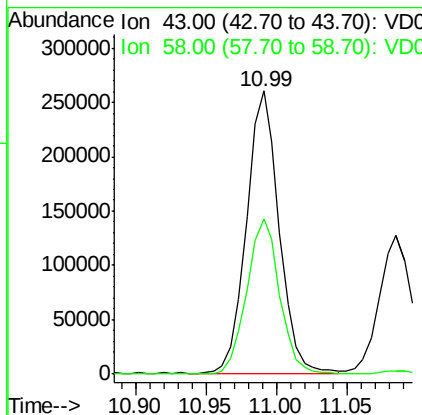
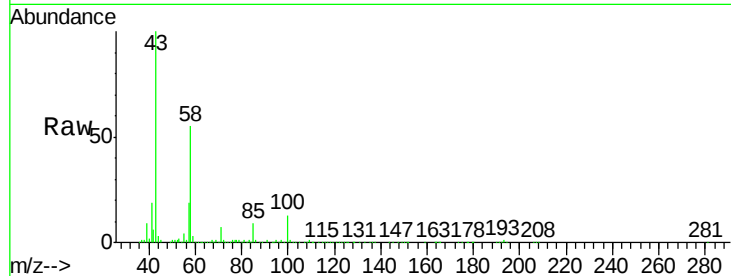
#59
2-Hexanone
Concen: 246.782 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 417623
Ion Ratio Lower Upper
43 100
58 56.1 27.4 82.2

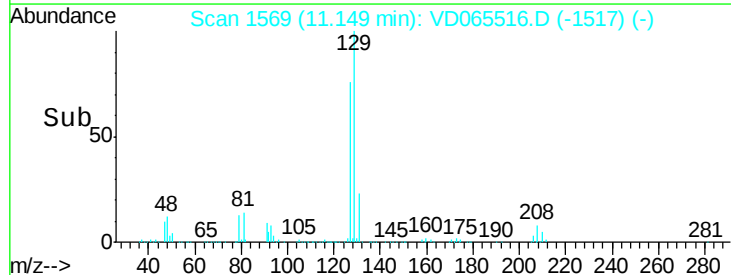
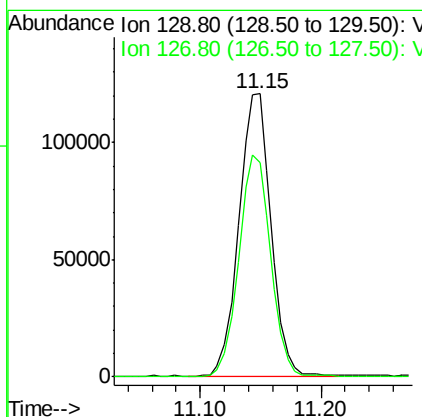
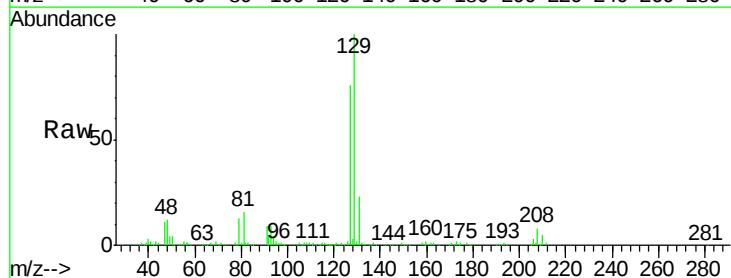
Manual Integrations
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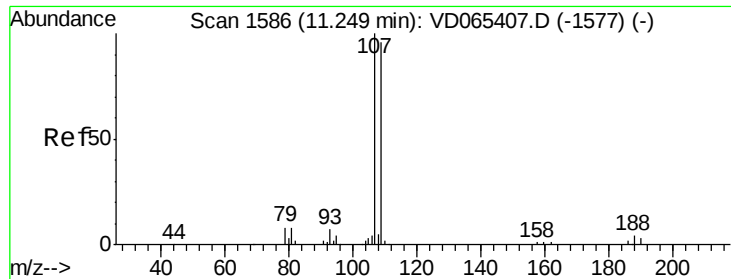
MMDadoda
3/17/2020 12:09:57 PM



#60
Dibromochloromethane
Concen: 51.644 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion: 129 Resp: 224213
Ion Ratio Lower Upper
129 100
127 78.1 38.5 115.5





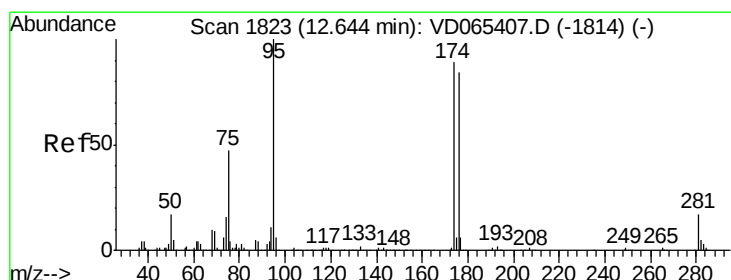
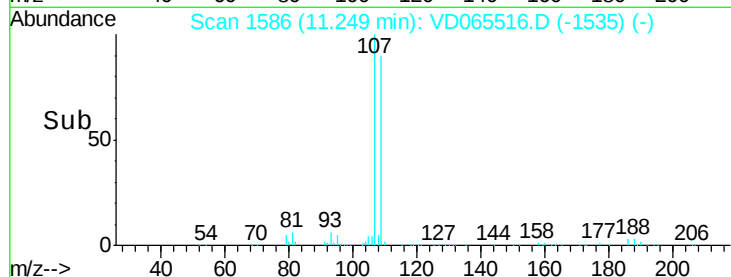
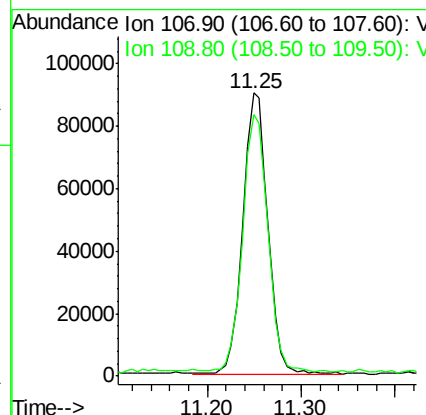
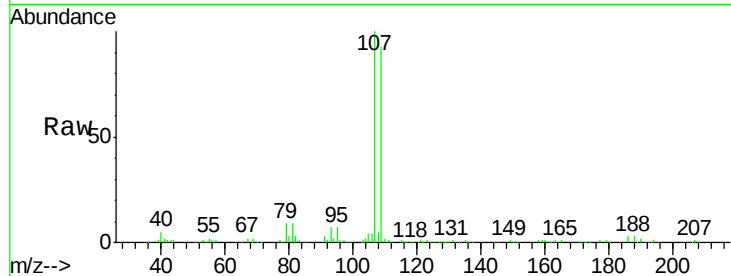
#61
 1,2-Dibromoethane
 Concen: 51.256 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.1	76.8	115.2

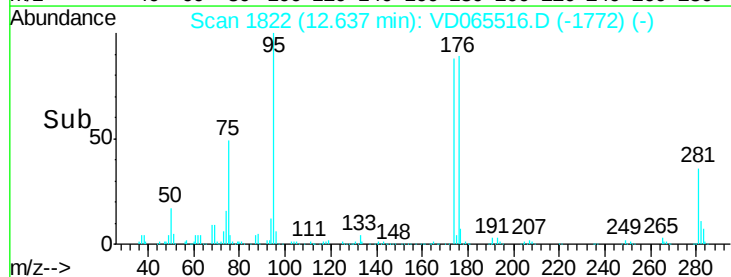
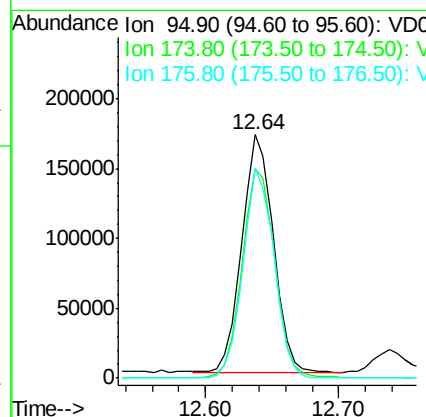
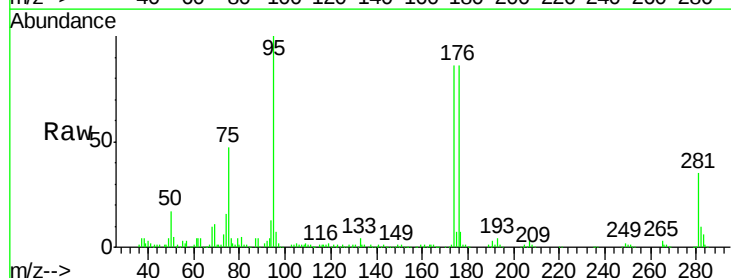
Manual Integrations
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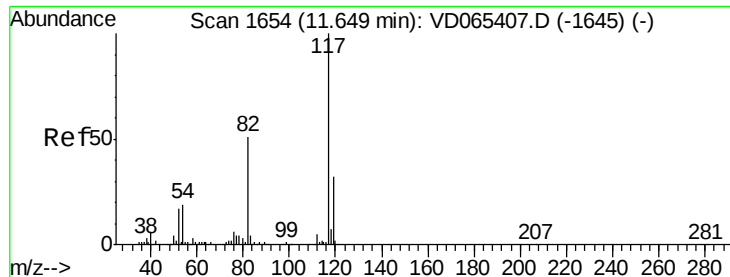
MMDadoda
 3/17/2020 12:09:57 PM



#62
 4-Bromofluorobenzene
 Concen: 53.239 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.5	0.0	176.8
176	87.3	0.0	171.4





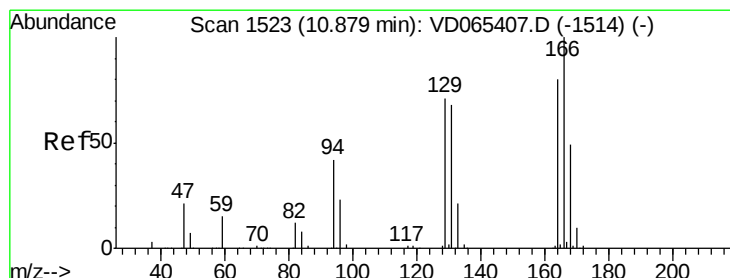
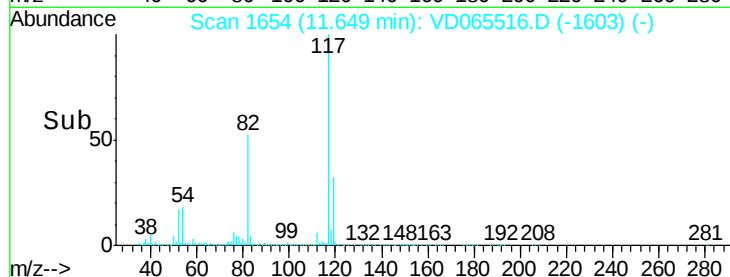
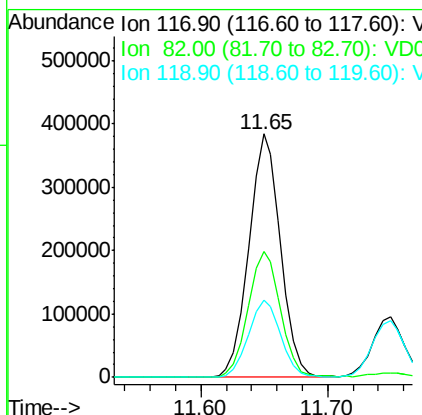
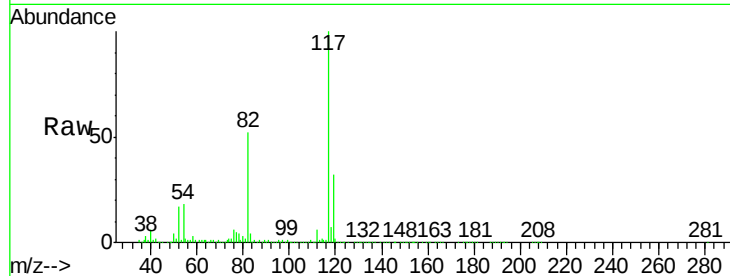
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	40.6	60.8
119	31.7	25.4	38.2

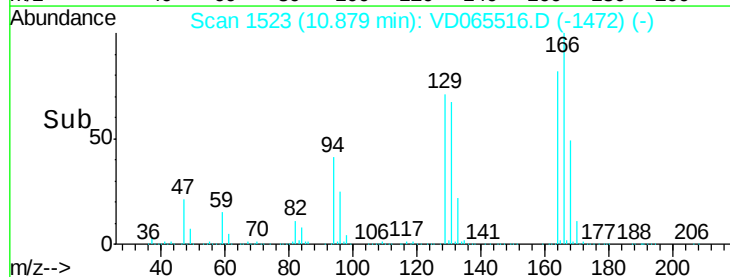
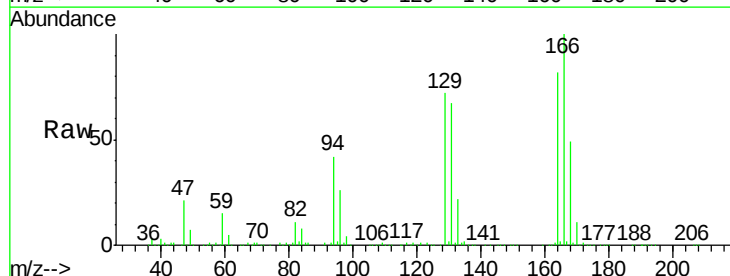
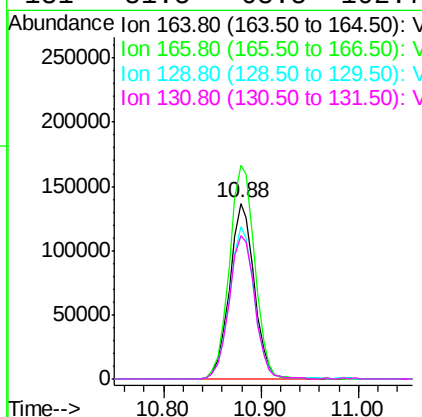
Manual Integrations
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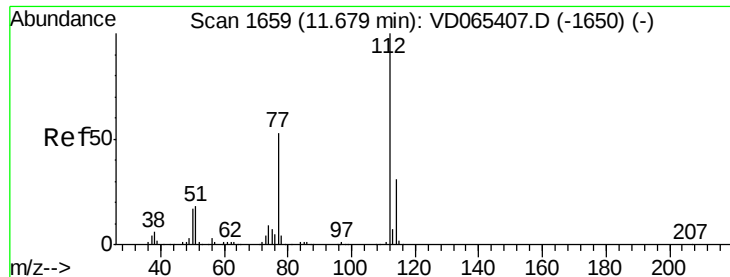
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#64
Tetrachloroethene
Concen: 50.455 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.2	100.5	150.7
129	86.6	71.5	107.3
131	81.5	68.5	102.7





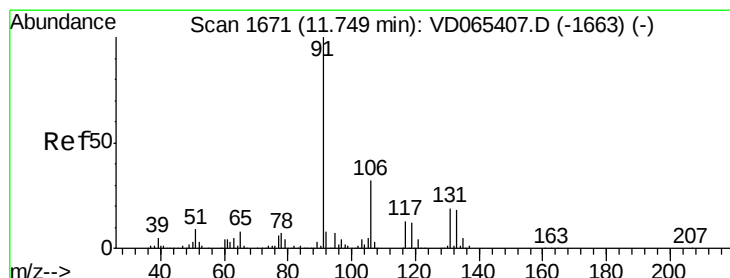
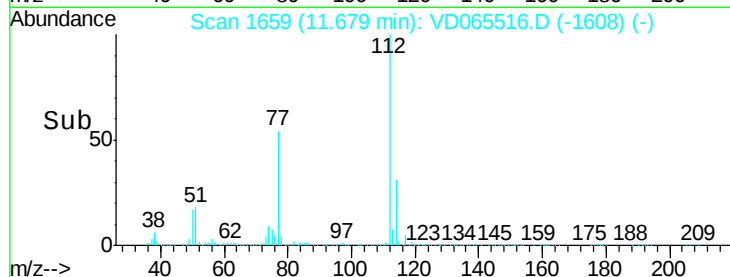
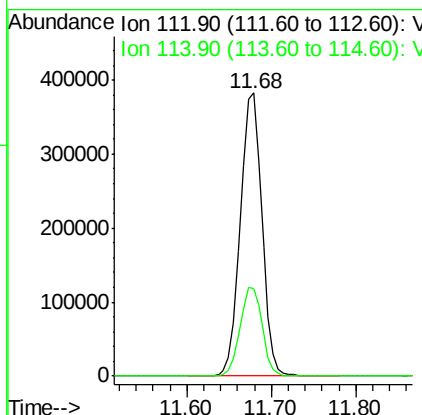
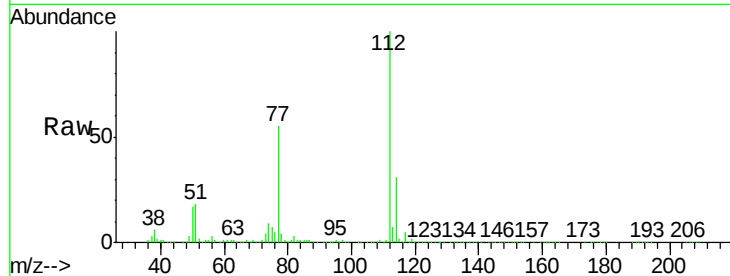
#65
Chlorobenzene
Concen: 51.498 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 675213
Ion Ratio Lower Upper
112 100
114 31.1 24.4 36.6

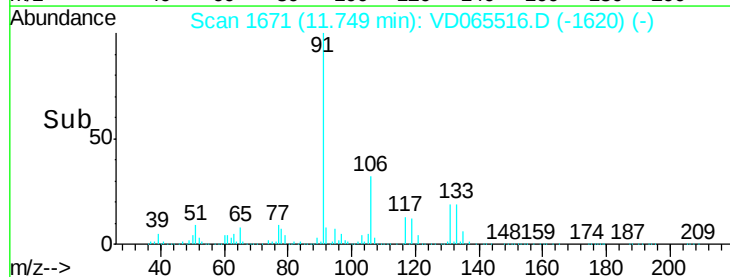
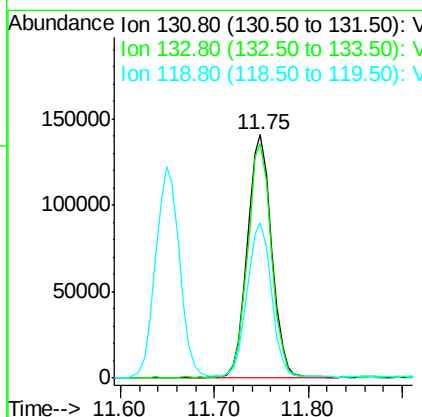
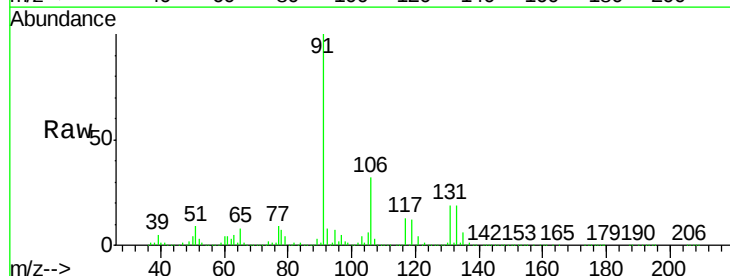
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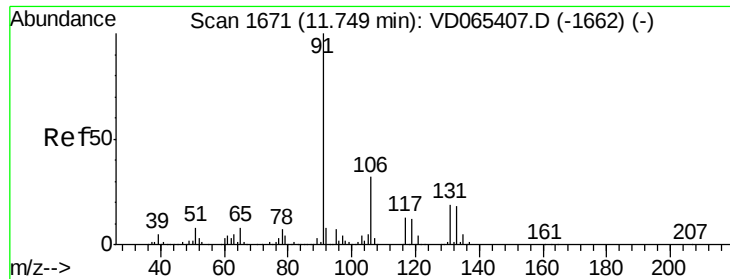
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.392 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion:131 Resp: 250181
Ion Ratio Lower Upper
131 100
133 94.5 49.2 147.6
119 63.6 33.3 99.8





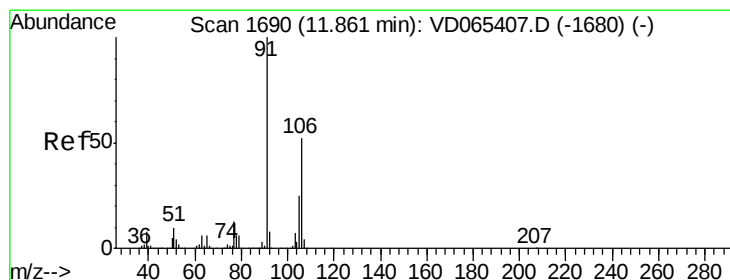
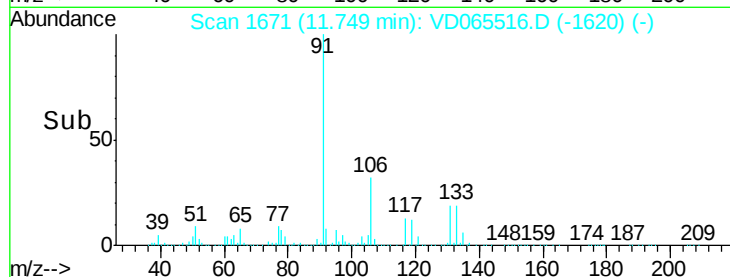
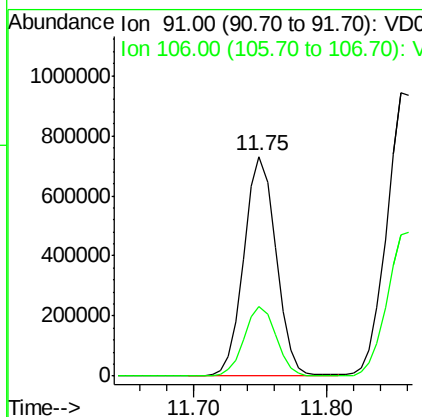
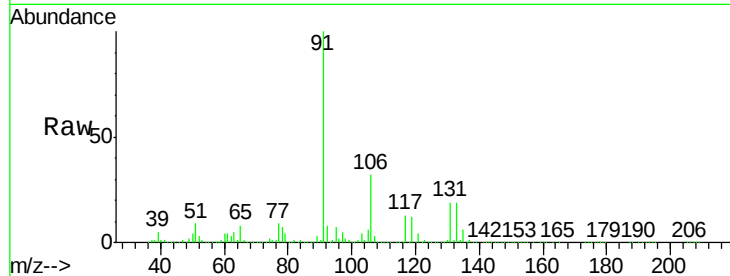
#67
Ethyl Benzene
Concen: 53.311 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1207746
Ion Ratio Lower Upper
91 100
106 31.7 25.2 37.8

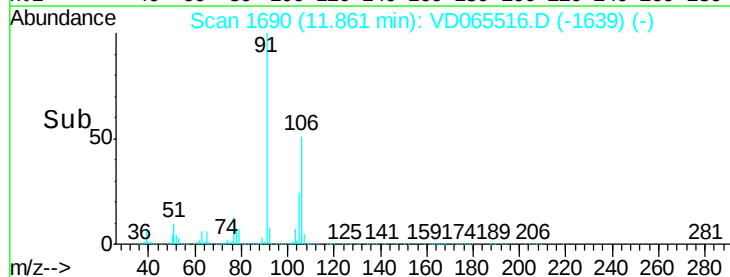
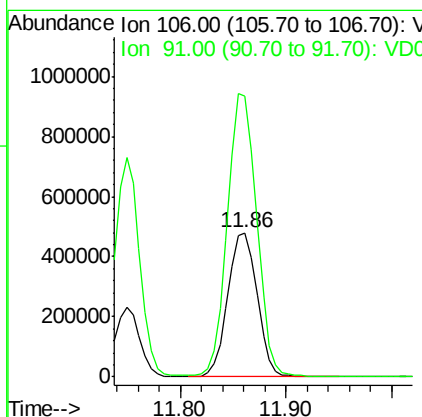
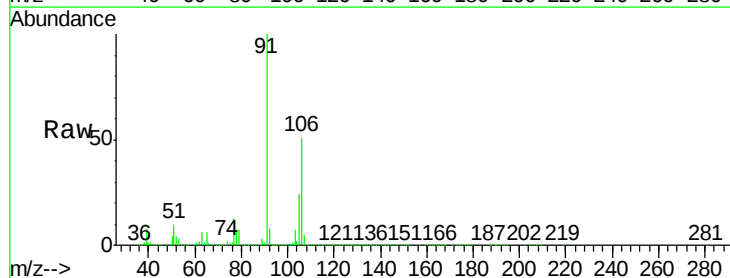
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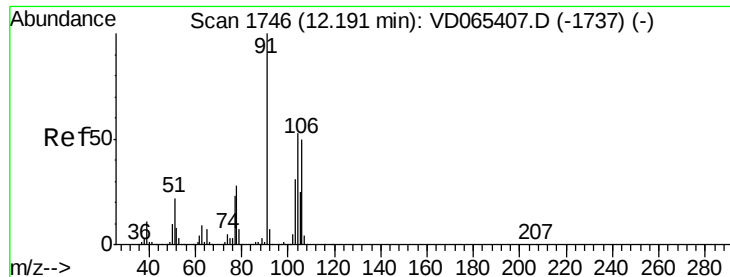
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#68
m/p-Xylenes
Concen: 105.419 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion: 106 Resp: 920880
Ion Ratio Lower Upper
106 100
91 195.4 155.9 233.9





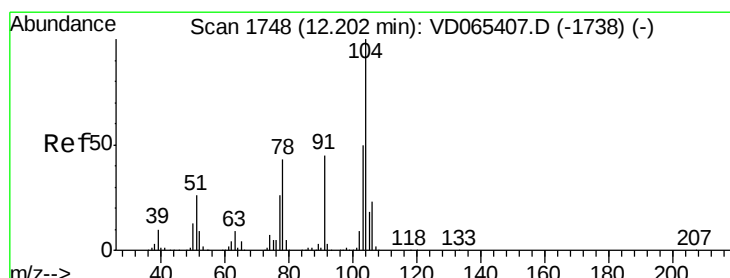
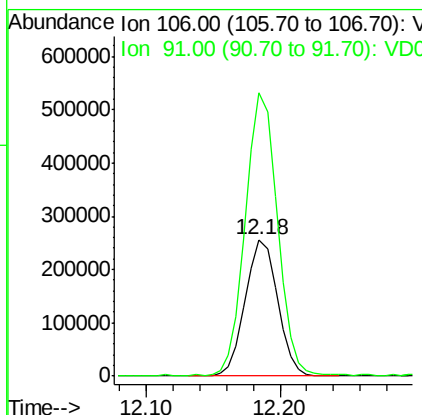
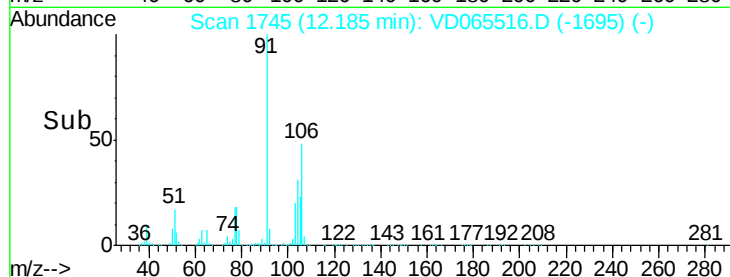
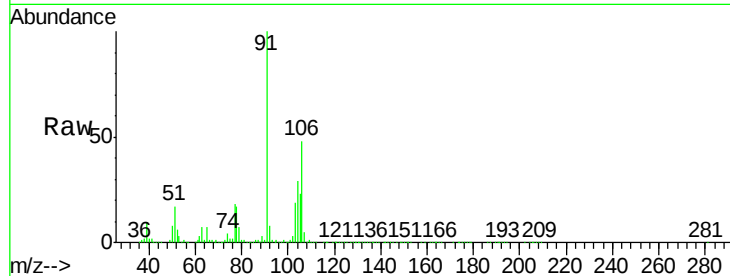
#69
o-Xylene
Concen: 55.528 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 426681
Ion Ratio Lower Upper
106 100
91 205.4 103.5 310.3

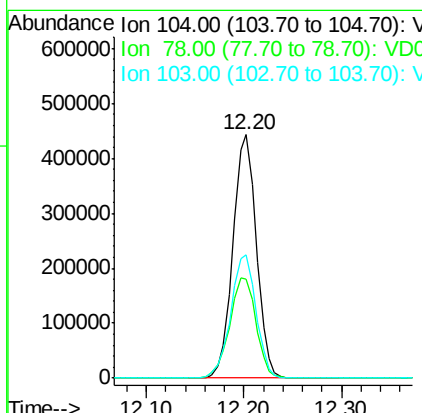
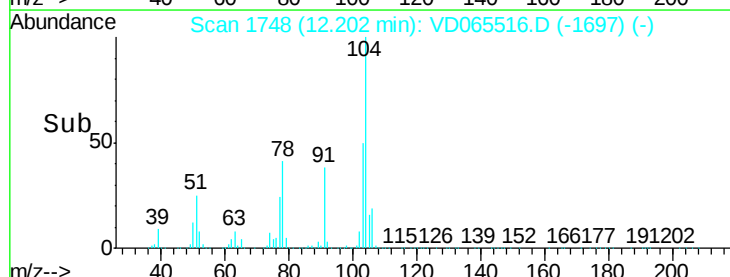
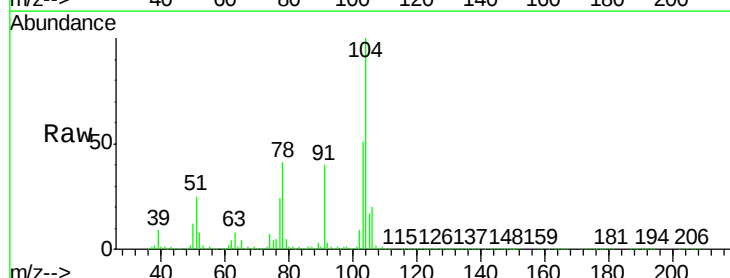
Manual Integrations
APPROVED

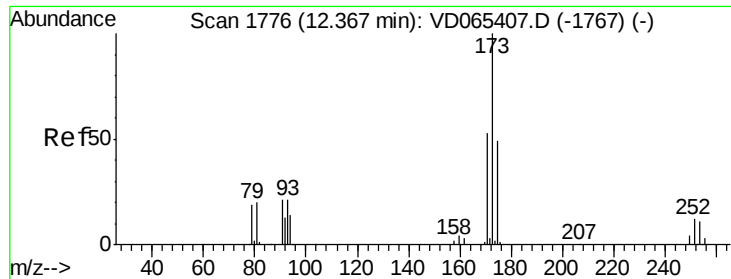
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#70
Styrene
Concen: 54.793 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion:104 Resp: 740994
Ion Ratio Lower Upper
104 100
78 46.3 37.7 56.5
103 54.4 43.6 65.4





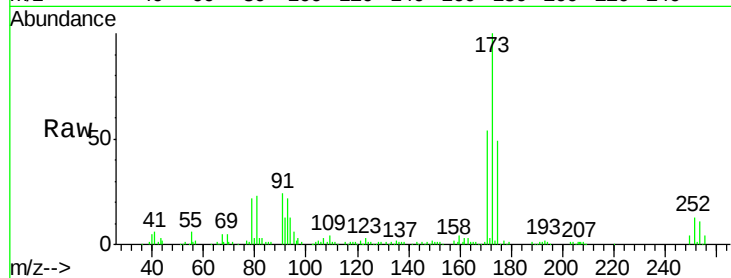
#71
Bromoform
Concen: 49.122 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.3	73.0
254	0.2	0.1	0.1#

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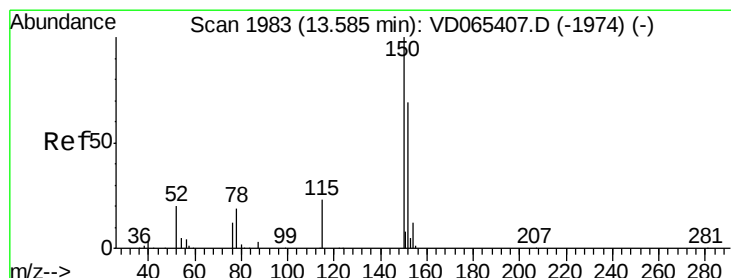
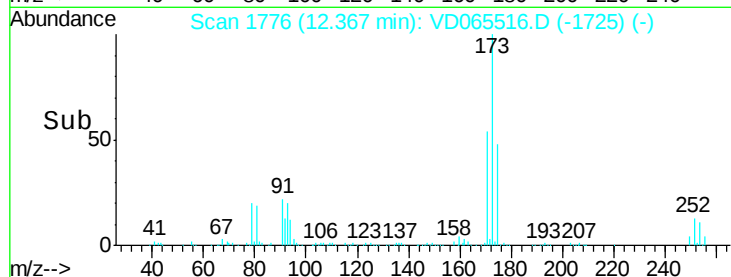
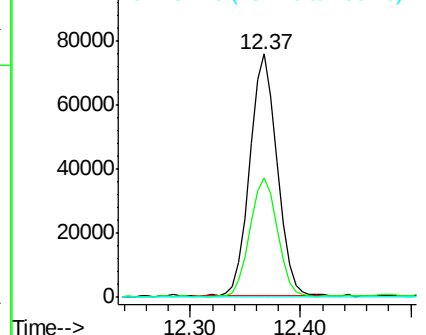


Abundance

Ion 172.70 (172.40 to 173.40): V

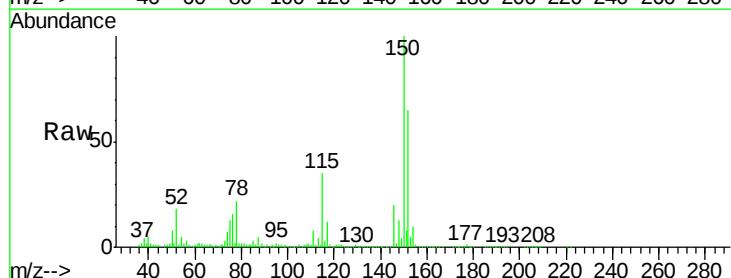
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	27.6	82.8
150	172.0	0.0	345.0

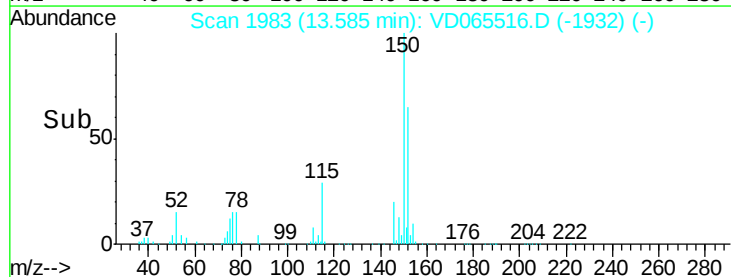
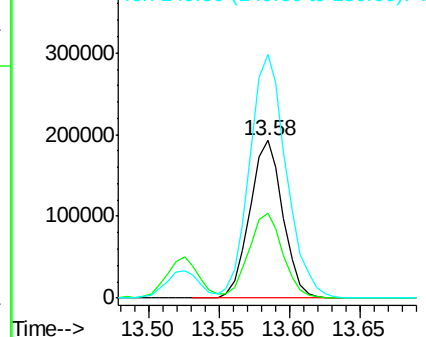


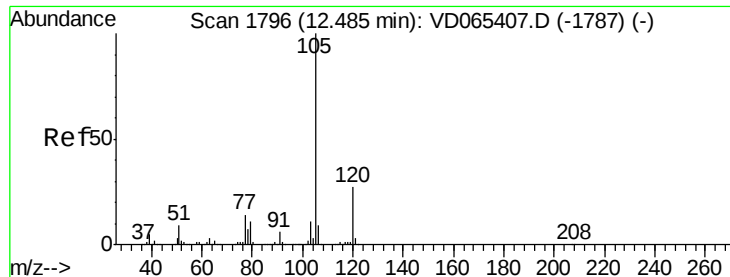
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.904 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1159853

Ion Ratio Lower Upper

105 100

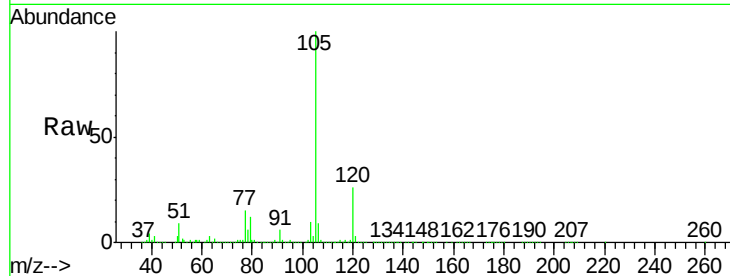
120 26.9 13.5 40.4

Manual Integrations

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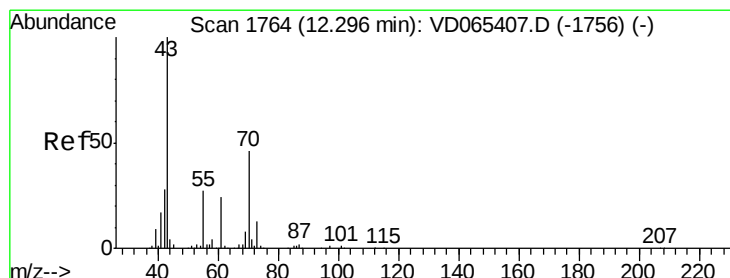
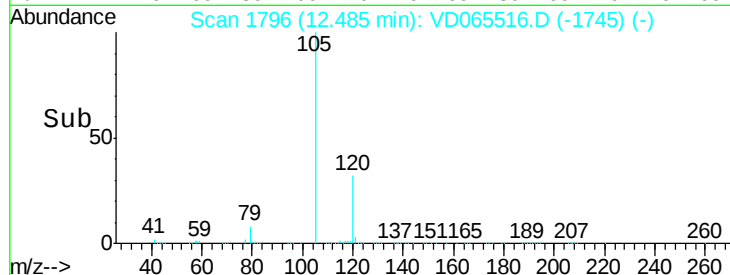
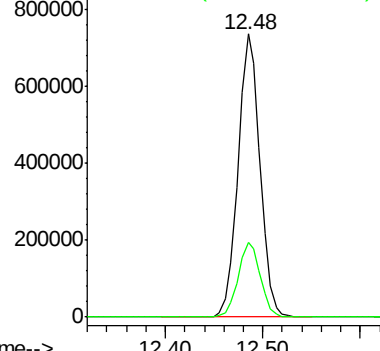
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.223 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Tgt Ion: 43 Resp: 217566

Ion Ratio Lower Upper

43 100

70 44.1 36.1 54.1

55 33.7 21.6 32.4#

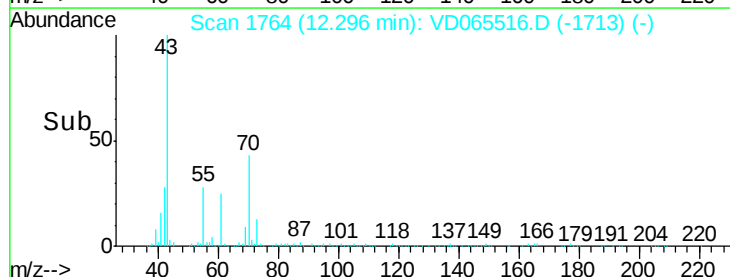
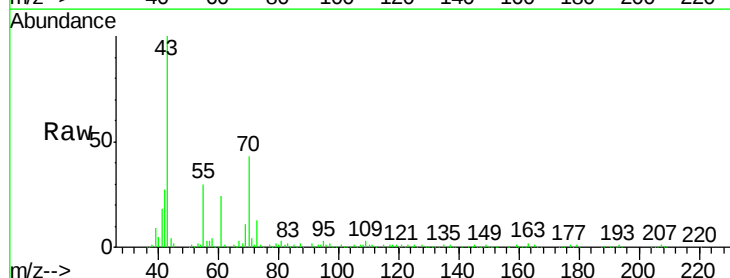
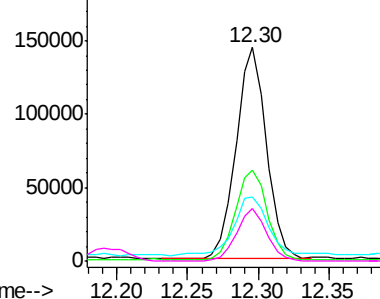
61 24.3 19.6 29.4

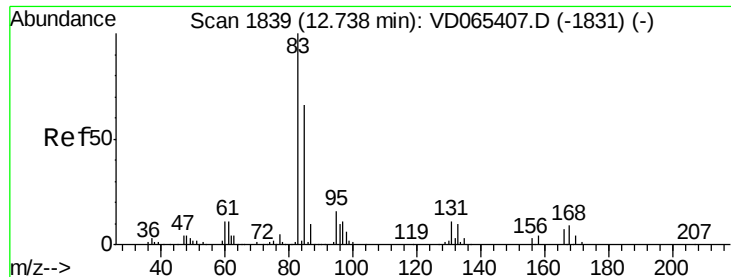
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 48.534 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

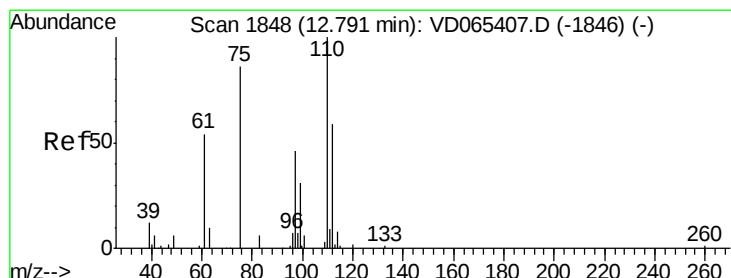
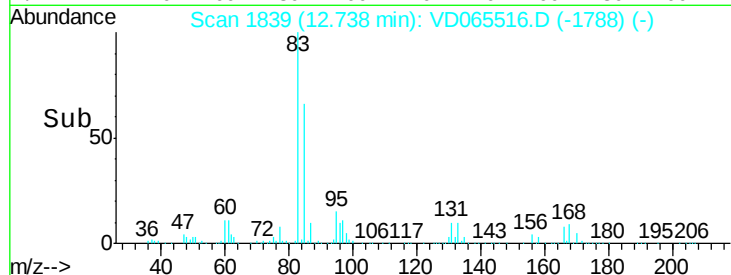
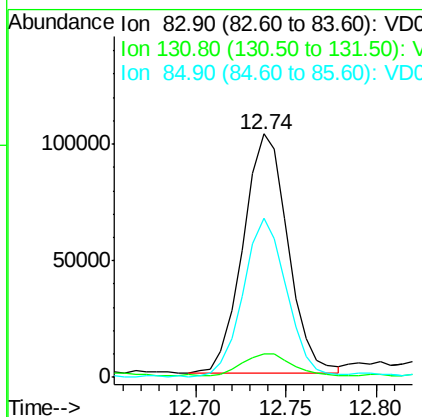
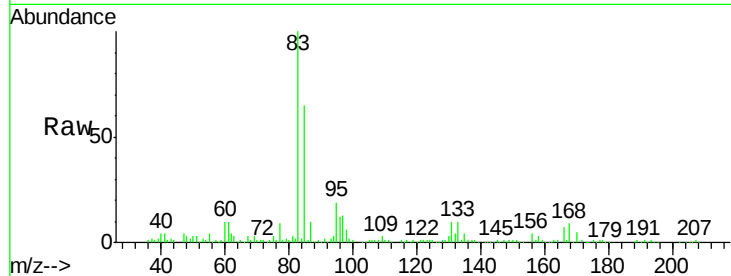
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	176998
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.4	16.2
85	63.7	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 56.412 ug/l m

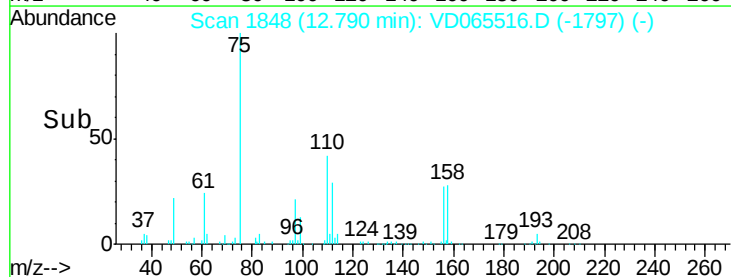
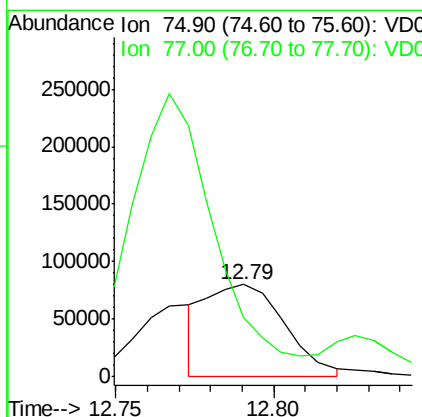
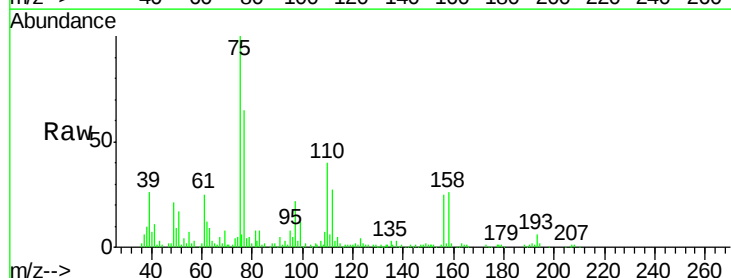
RT: 12.79 min Scan# 1848

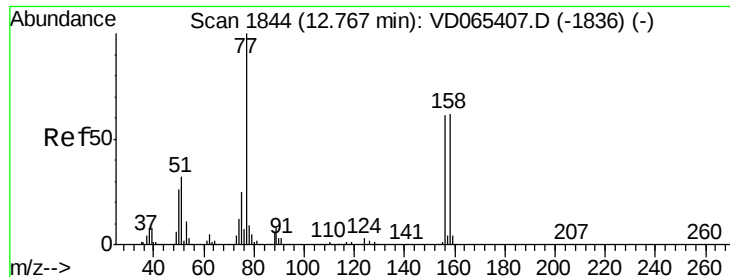
Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Tgt Ion:	75	Resp:	140408
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.623 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

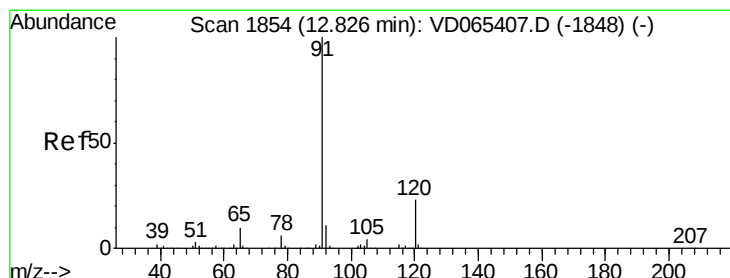
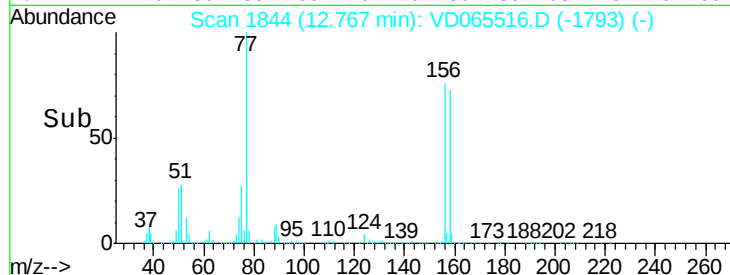
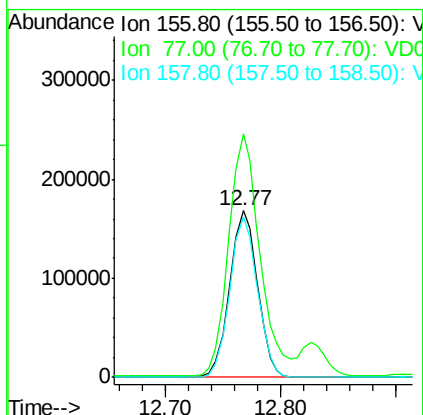
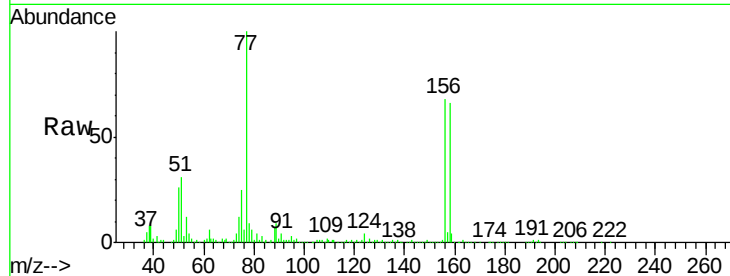
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	281563
Ion Ratio	Lower	Upper	
156	100		
77	162.3	84.9	254.6
158	95.7	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 54.452 ug/l

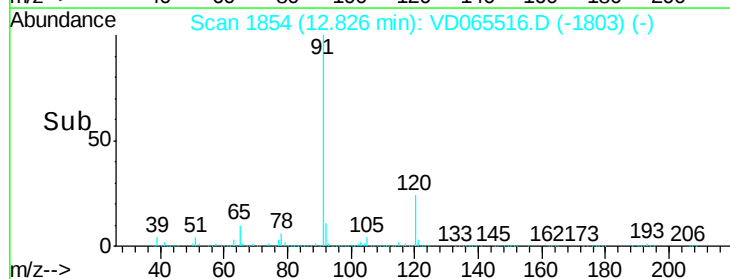
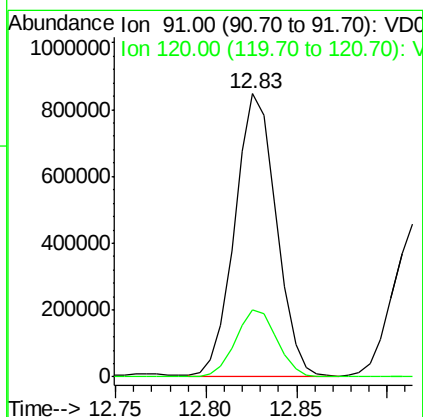
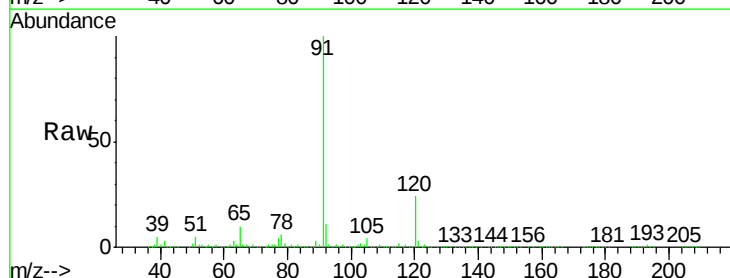
RT: 12.83 min Scan# 1854

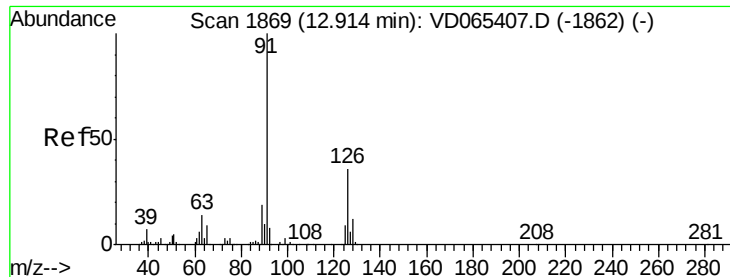
Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Tgt Ion:	91	Resp:	1340430
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.9	35.5





#79

2-Chlorotoluene

Concen: 53.318 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 739710

Ion Ratio Lower Upper

91 100

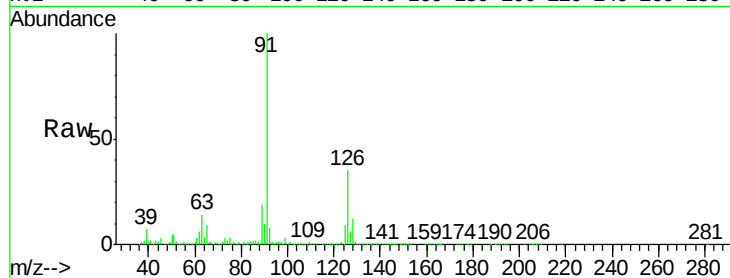
126 35.9 17.9 53.8

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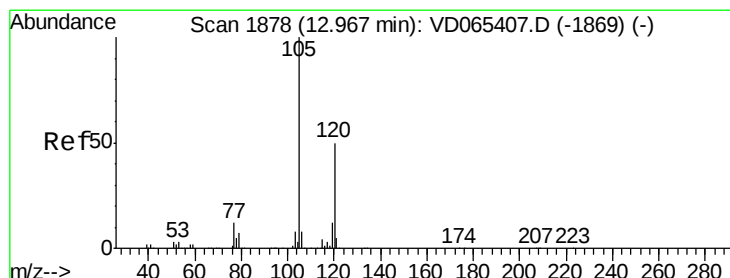
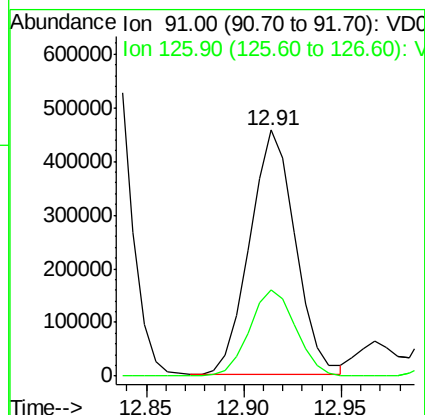
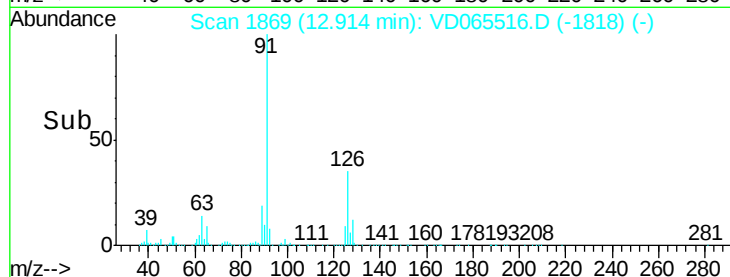
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Abundance Ion 91.00 (90.70 to 91.70): VD065516.D (-1818) (-)

Ion 125.90 (125.60 to 126.60): VD065516.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.447 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065516.D

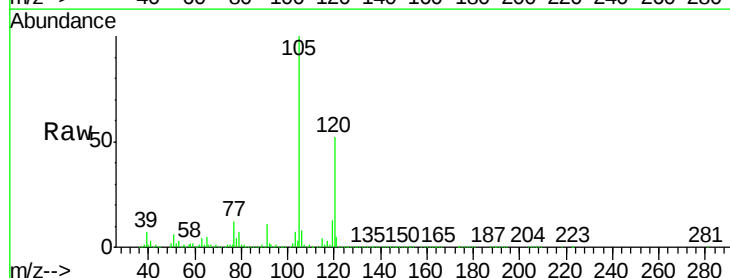
Acq: 16 Mar 2020 16:57

Tgt Ion: 105 Resp: 928683

Ion Ratio Lower Upper

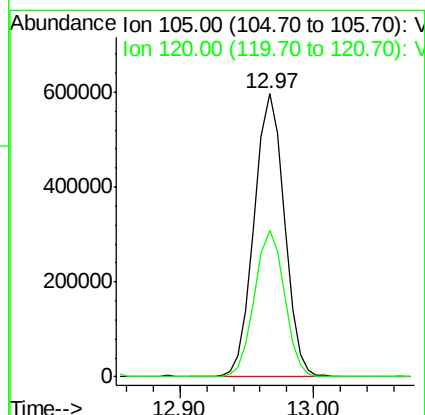
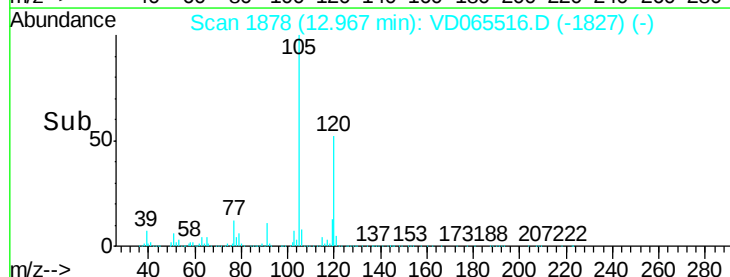
105 100

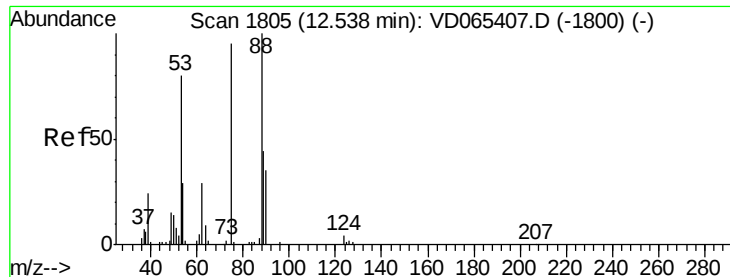
120 51.4 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065516.D (-1827) (-)

Ion 120.00 (119.70 to 120.70): VD065516.D (-1827) (-)





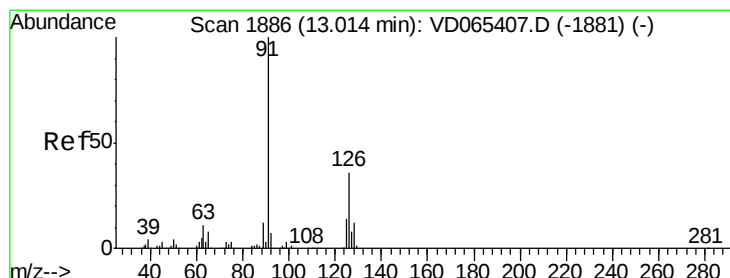
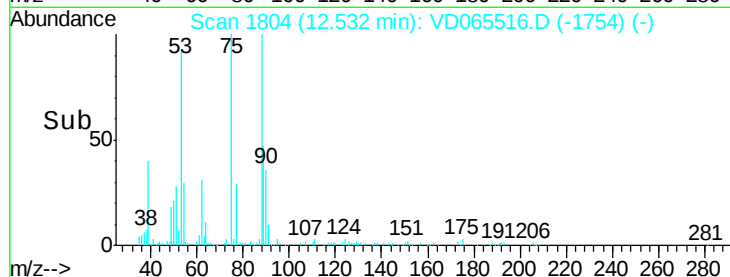
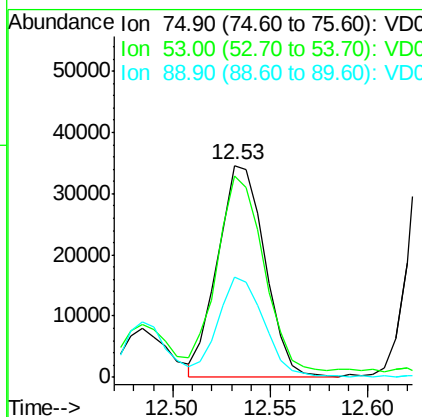
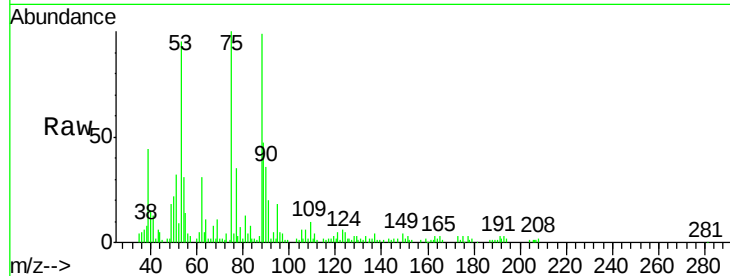
#81
trans-1,4-Dichloro-2-butene
Concen: 48.809 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.7	71.3	106.9
89	45.6	37.0	55.6

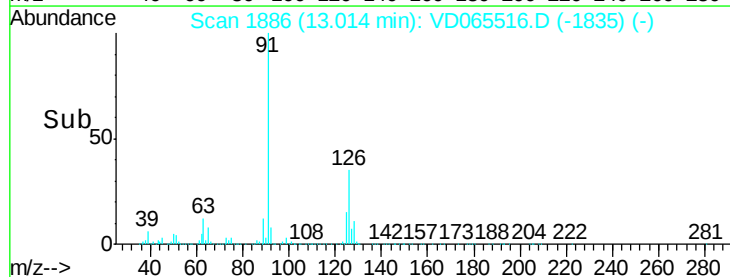
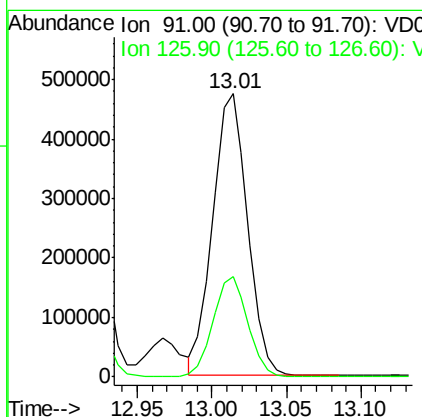
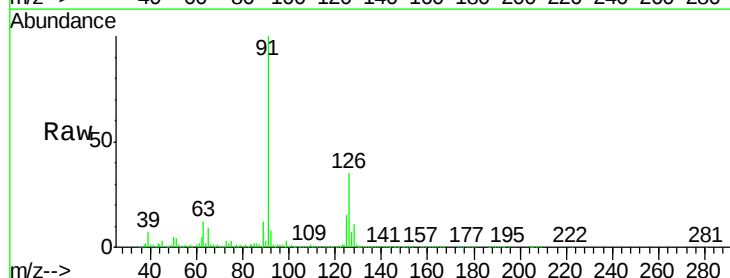
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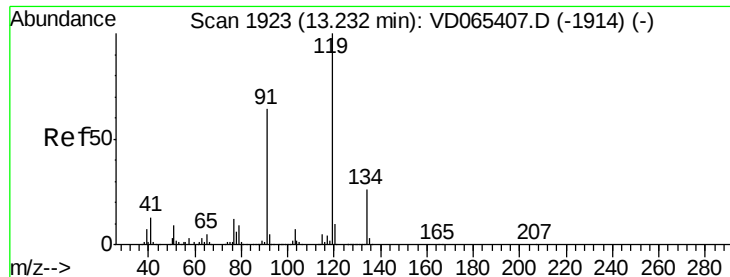
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#82
4-Chlorotoluene
Concen: 53.084 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.6	52.8





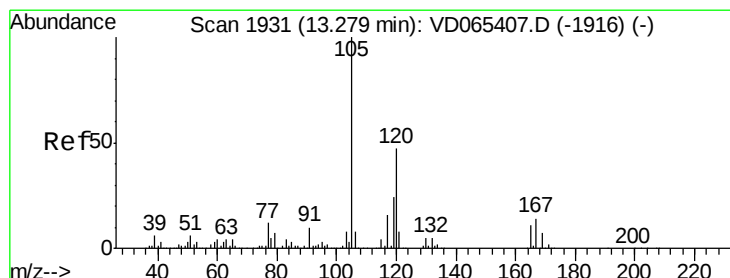
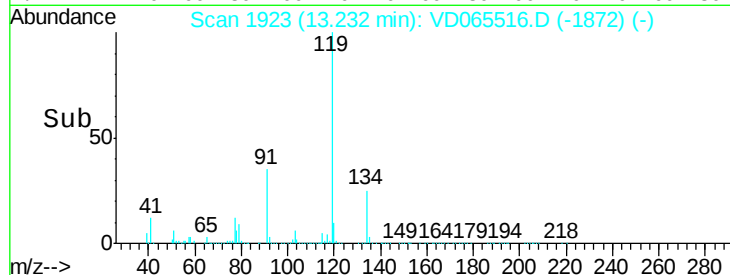
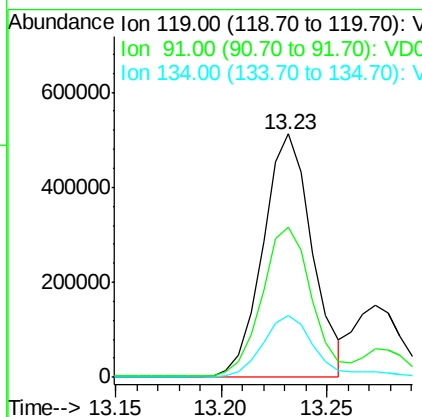
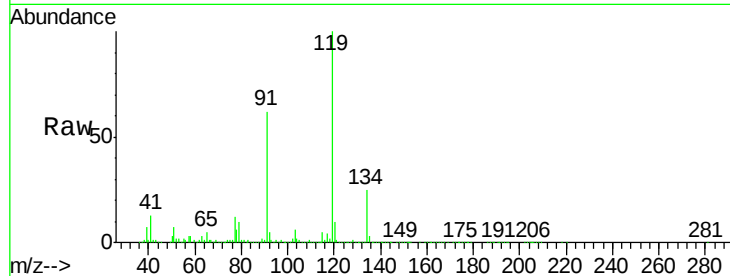
#83
 tert-Butylbenzene
 Concen: 57.354 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.7	31.6	95.0
134	27.6	14.2	42.8

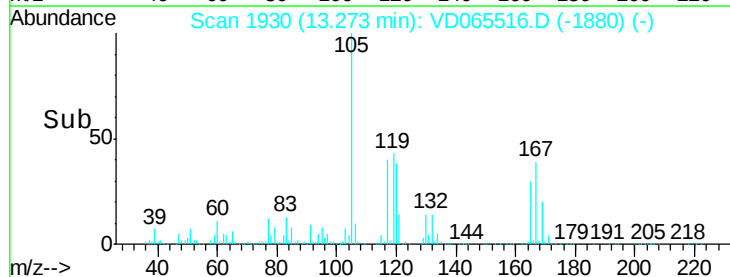
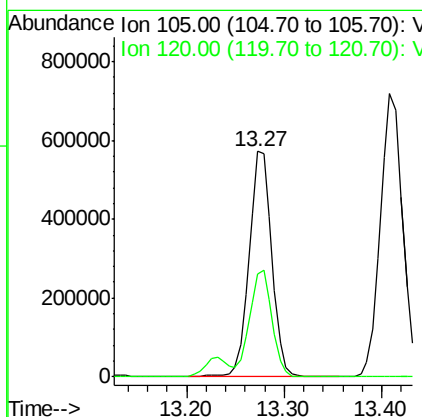
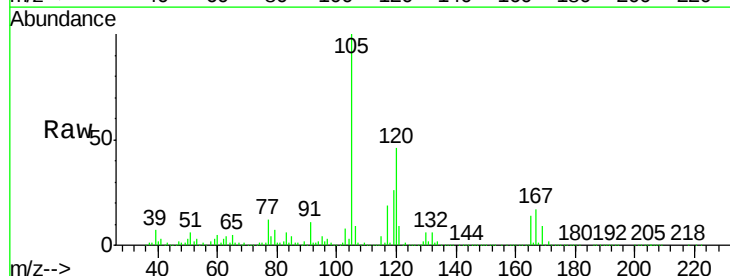
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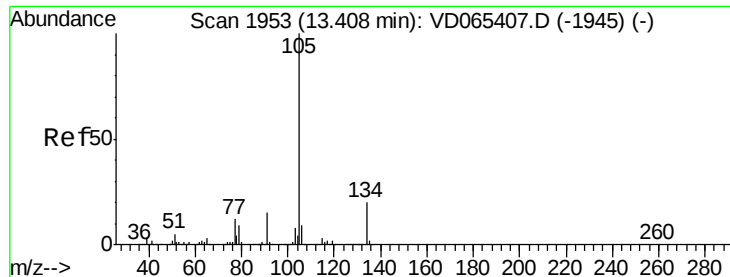
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.155 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.4	70.3





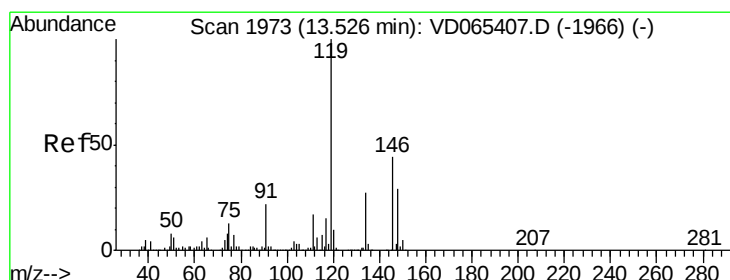
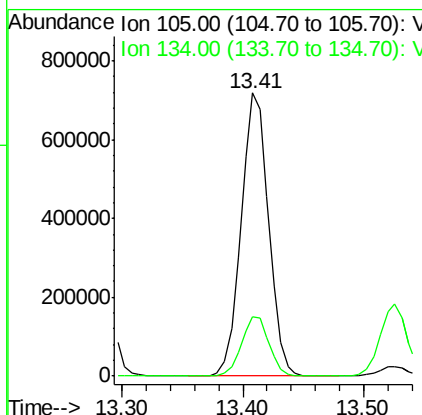
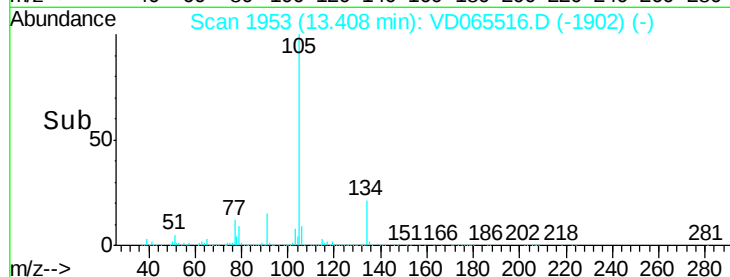
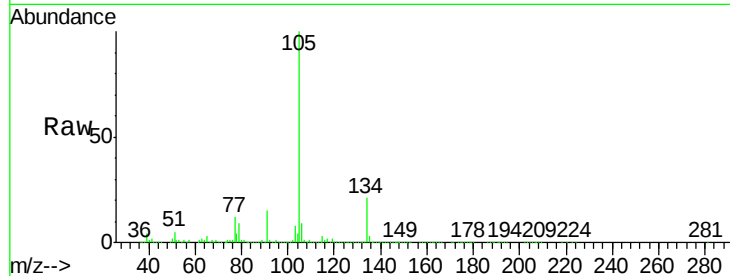
#85
 sec-Butylbenzene
 Concen: 55.054 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1133973
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.3 30.9

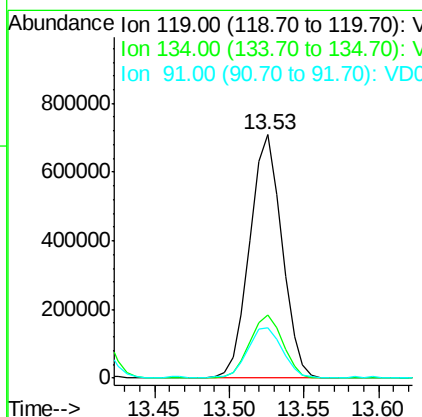
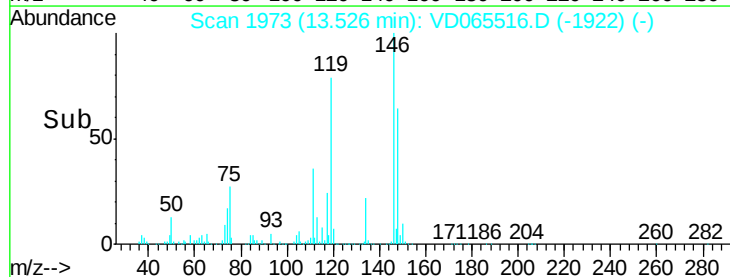
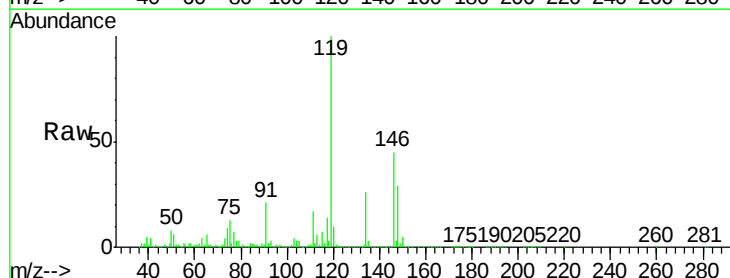
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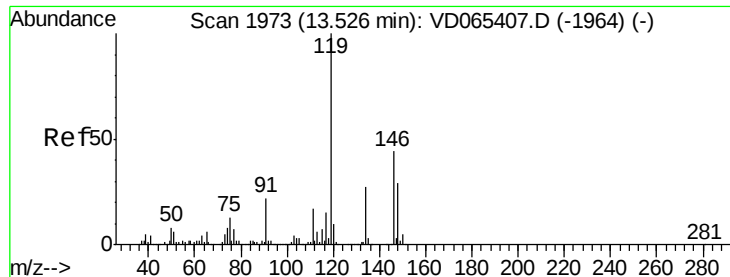
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#86
 p-Isopropyltoluene
 Concen: 56.158 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Tgt Ion:119 Resp: 1055495
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.3 39.9
 91 21.8 10.9 32.6





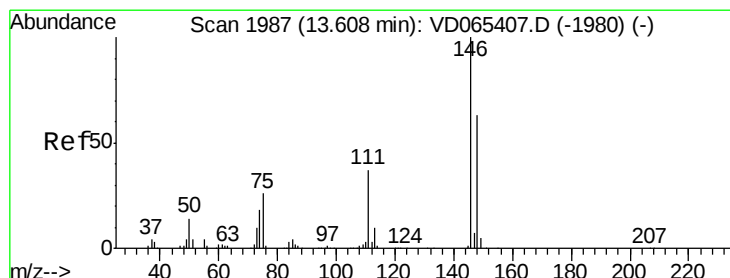
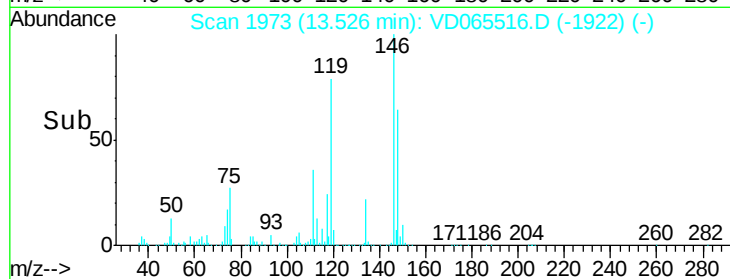
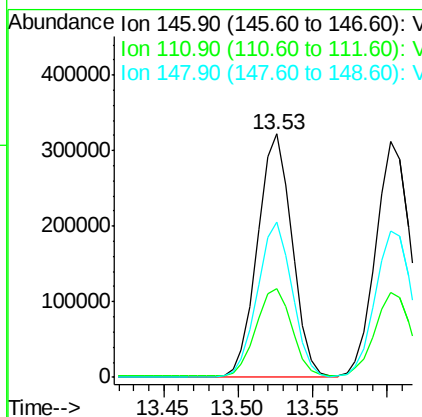
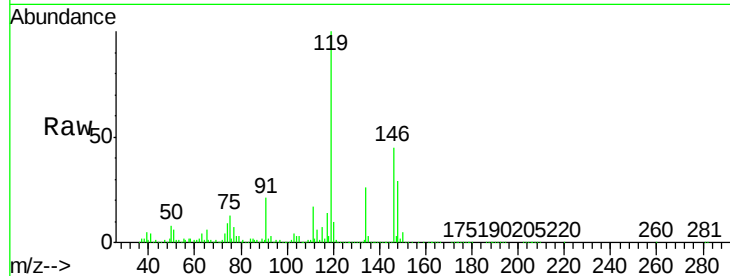
#87
 1,3-Dichlorobenzene
 Concen: 51.957 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.1	57.1
148	63.9	32.3	96.8

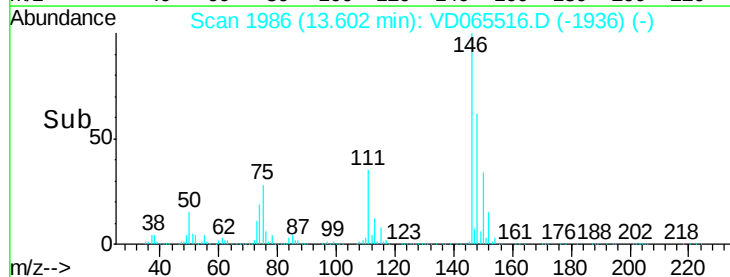
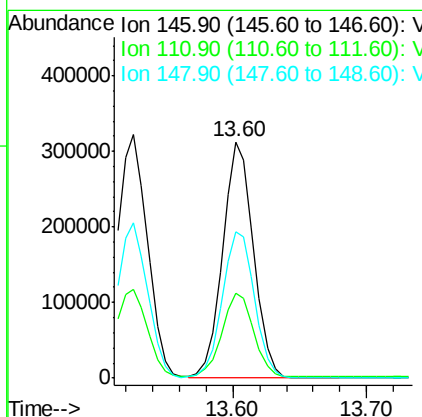
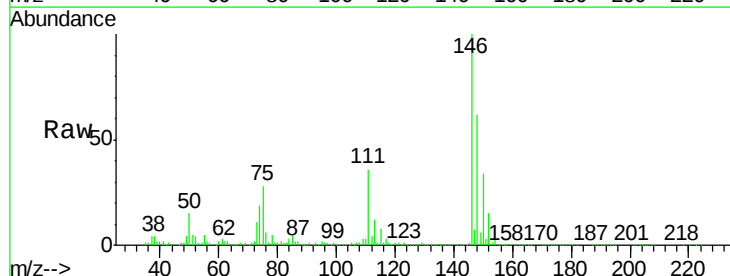
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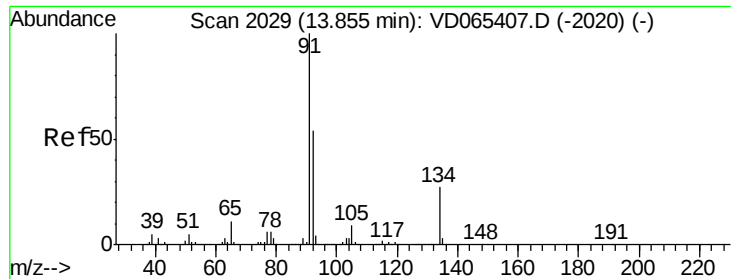
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#88
 1,4-Dichlorobenzene
 Concen: 51.212 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.5	55.5
148	64.7	32.0	96.0





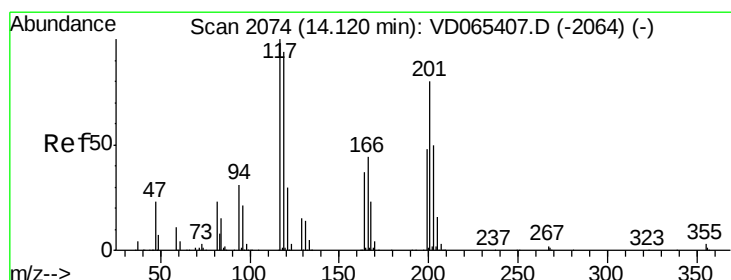
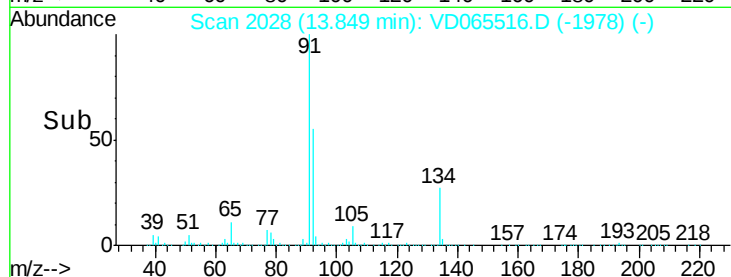
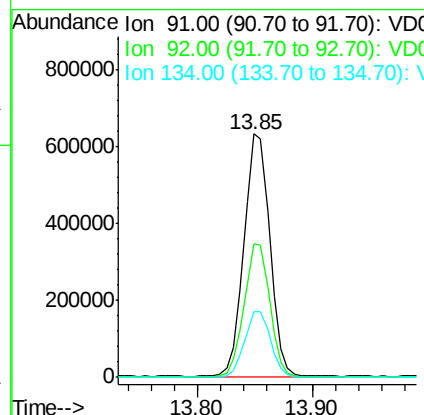
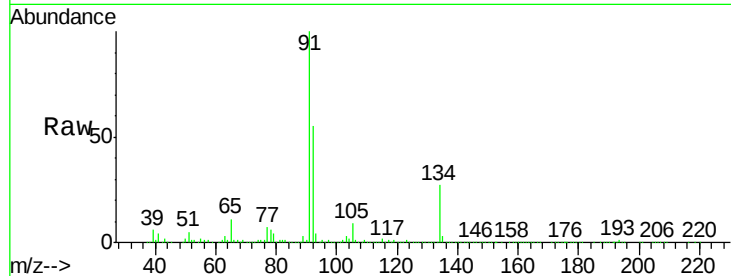
#89
n-Butylbenzene
Concen: 56.247 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	26.8	80.4
134	27.4	13.4	40.2

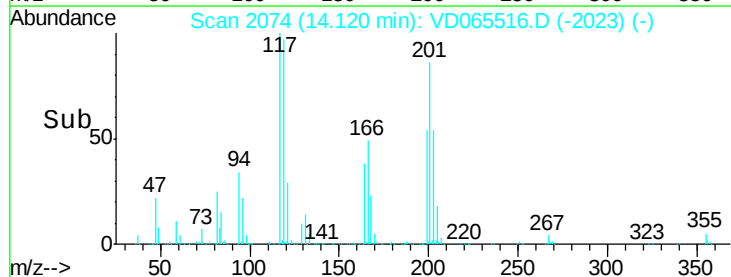
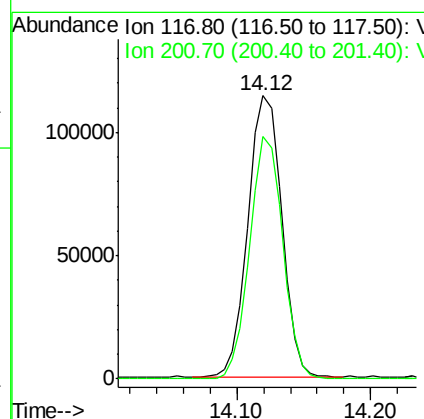
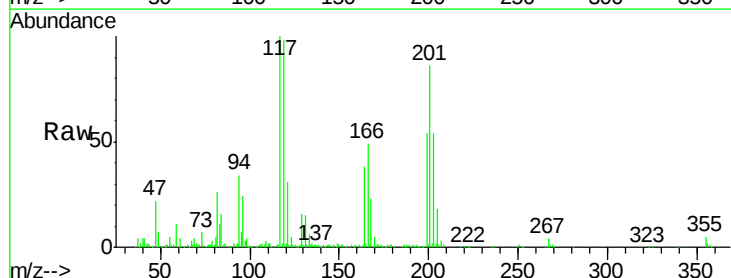
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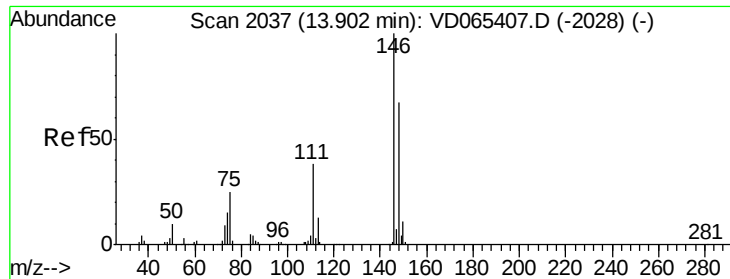
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#90
Hexachloroethane
Concen: 51.596 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065516.D
Acq: 16 Mar 2020 16:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.6	41.9	125.6





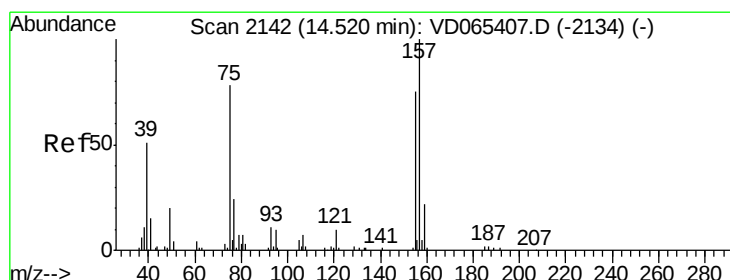
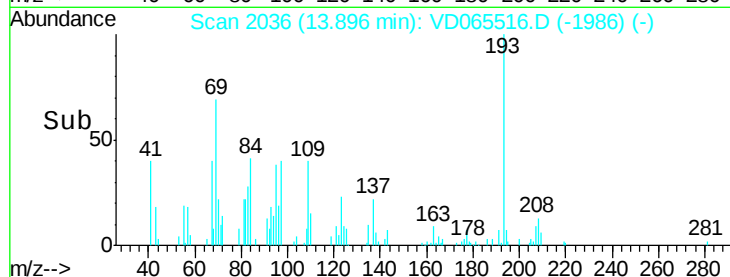
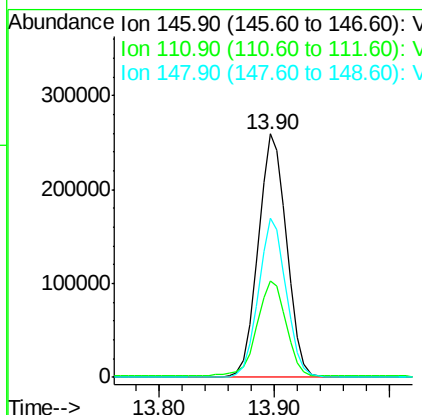
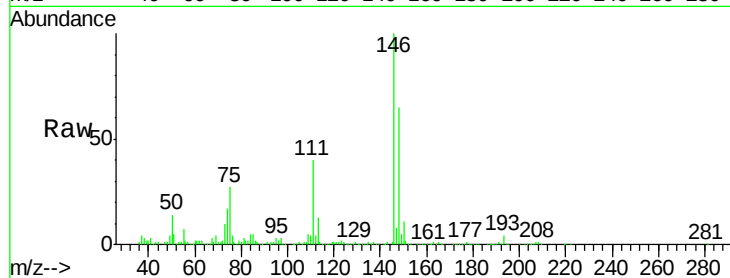
#91
 1,2-Dichlorobenzene
 Concen: 52.676 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.8	59.3
148	63.7	32.6	97.8

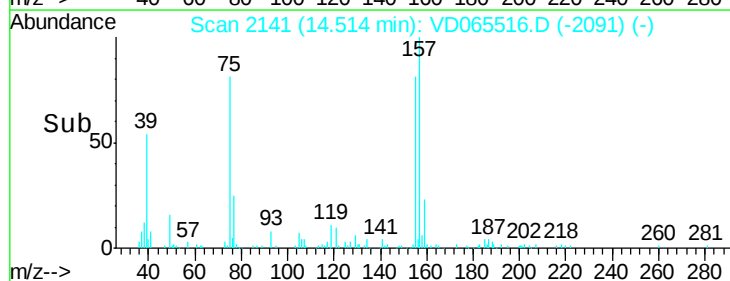
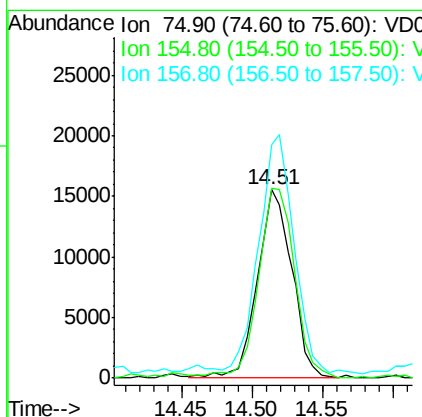
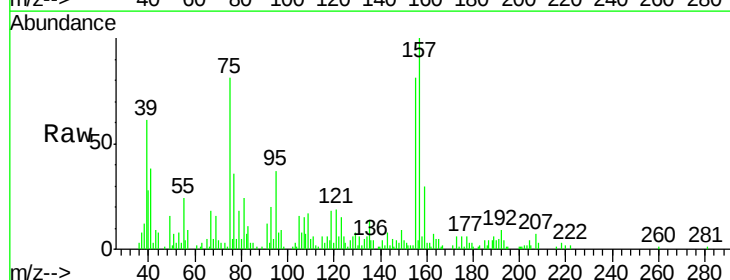
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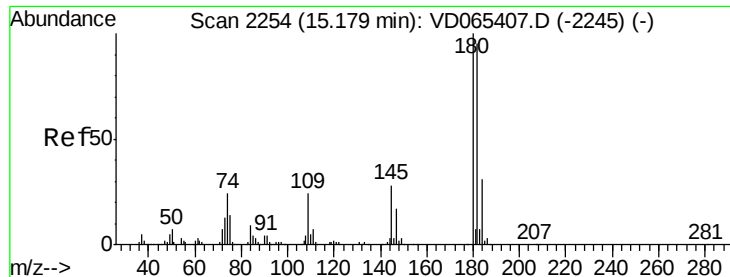
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.215 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.6	46.4	139.1
157	130.5	60.2	180.4





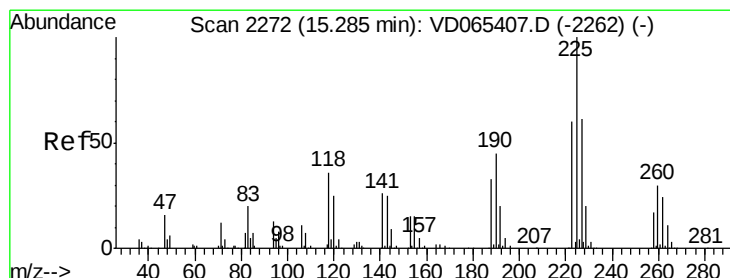
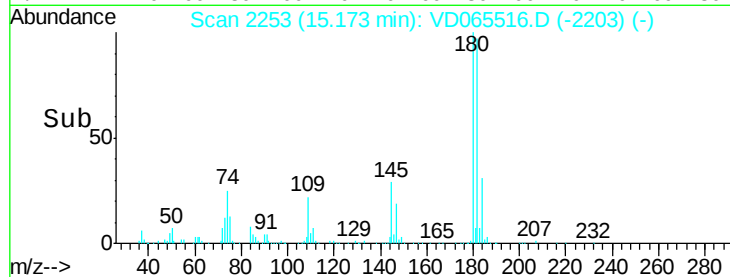
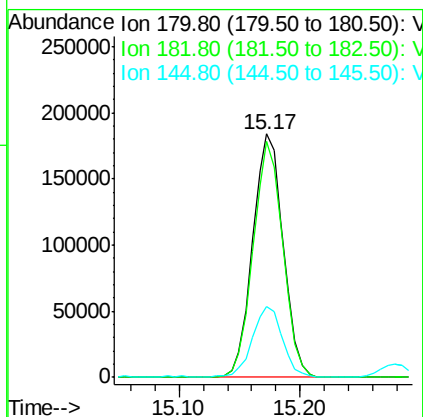
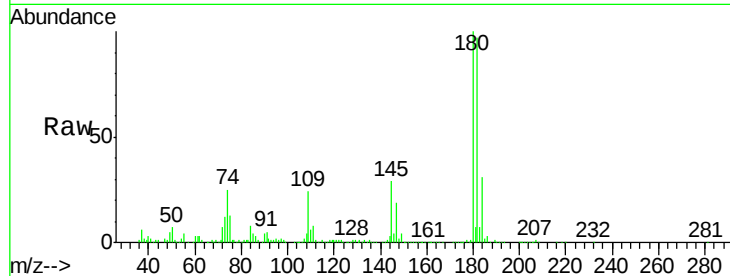
#93
 1,2,4-Trichlorobenzene
 Concen: 56.463 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	322742		
182	94.9	48.3	144.9	
145	28.3	14.4	43.4	

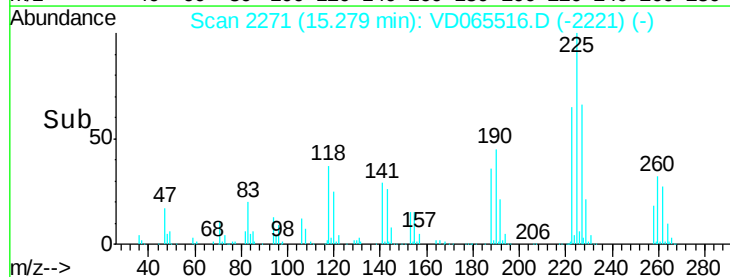
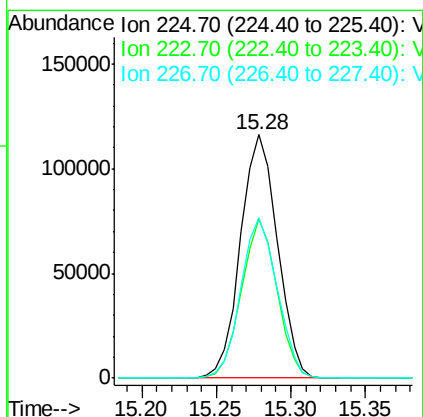
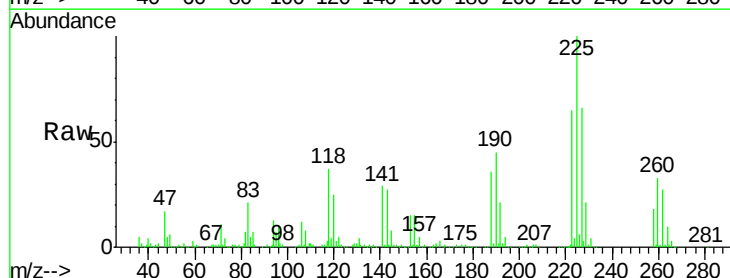
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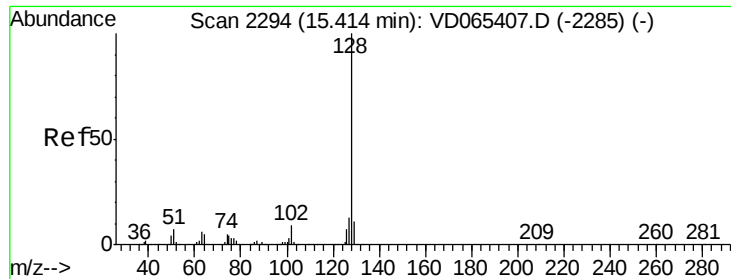
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#94
 Hexachlorobutadiene
 Concen: 53.038 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065516.D
 Acq: 16 Mar 2020 16:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	199197		
223	62.5	30.9	92.5	
227	64.6	31.6	94.7	





#95

Naphthalene

Concen: 52.047 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Instrument :

MSVOA_D

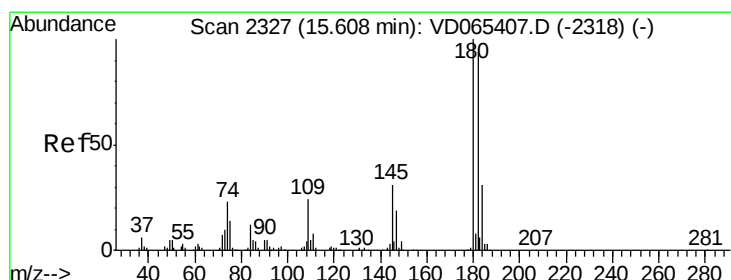
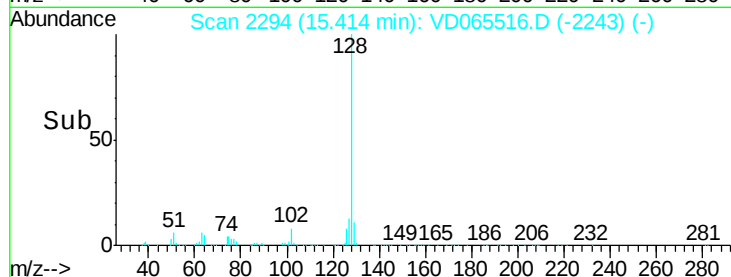
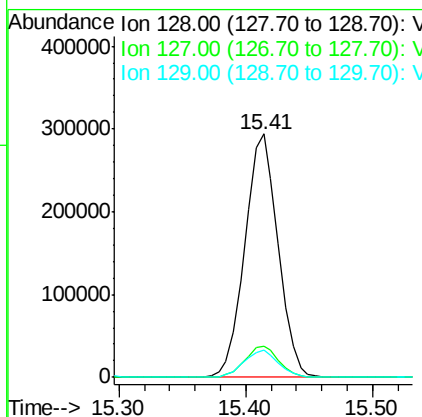
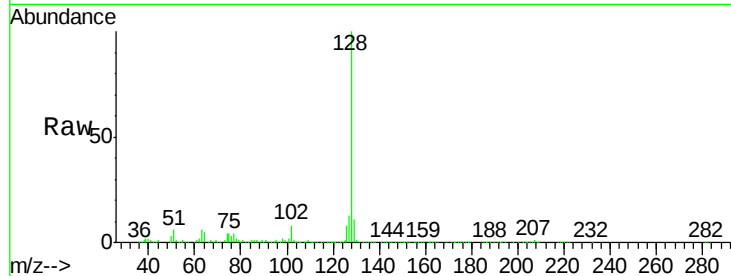
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	532249
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	11.1	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 55.329 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065516.D

Acq: 16 Mar 2020 16:57

Tgt Ion:	180	Resp:	273286
Ion Ratio	Lower	Upper	
180	100		
182	94.8	46.9	140.6
145	30.2	15.0	45.1

