

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031120\
 Data File : VD065473.D
 Acq On : 11 Mar 2020 10:56
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/13/2020 9:49:33 AM

Quant Time: Mar 11 17:16:52 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	490078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	682395	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	620387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	309794	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	193399	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	
35) Dibromofluoromethane	7.91	113	204475	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
50) Toluene-d8	10.34	98	804949	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
62) 4-Bromofluorobenzene	12.64	95	254075	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	185285	43.991	ug/l	99
3) Chloromethane	2.21	50	230367	45.303	ug/l	99
4) Vinyl Chloride	2.35	62	236295	47.112	ug/l	97
5) Bromomethane	2.77	94	146251	52.255	ug/l	98
6) Chloroethane	2.93	64	149104	48.539	ug/l	96
7) Trichlorofluoromethane	3.27	101	362969	49.113	ug/l	99
8) Diethyl Ether	3.70	74	106308	48.370	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	235618	49.502	ug/l	100
10) Methyl Iodide	4.29	142	251713	50.903	ug/l	99
11) Tert butyl alcohol	5.24	59	52640m	218.303	ug/l	
12) 1,1-Dichloroethene	4.06	96	219965	48.261	ug/l	95
13) Acrolein	3.93	56	98991	238.037	ug/l	99
14) Allyl chloride	4.71	41	333776	47.672	ug/l	100
15) Acrylonitrile	5.43	53	237452	248.346	ug/l	98
16) Acetone	4.16	43	244687	287.801	ug/l	99
17) Carbon Disulfide	4.40	76	720821	47.490	ug/l	100
18) Methyl Acetate	4.72	43	104071	48.256	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	441945	50.422	ug/l	99
20) Methylene Chloride	4.96	84	245930	53.509	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	256487	50.588	ug/l	99
22) Diisopropyl ether	6.37	45	682362	52.427	ug/l	98
23) Vinyl Acetate	6.31	43	1928255	266.818	ug/l	100
24) 1,1-Dichloroethane	6.27	63	412085	49.361	ug/l	98
25) 2-Butanone	7.22	43	301009	259.441	ug/l	97
26) 2,2-Dichloropropane	7.21	77	370943	50.846	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	261721	50.502	ug/l	99
28) Bromochloromethane	7.55	49	167964	50.288	ug/l	100
29) Tetrahydrofuran	7.57	42	186286	251.422	ug/l	98
30) Chloroform	7.71	83	423510	50.754	ug/l	97
31) Cyclohexane	7.99	56	391002	46.839	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	389892	50.562	ug/l	100
36) 1,1-Dichloropropene	8.11	75	349211	53.386	ug/l	99
37) Ethyl Acetate	7.30	43	136265	53.897	ug/l	97
38) Carbon Tetrachloride	8.10	117	361938	53.359	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	423720	53.633	ug/l	96
40) Benzene	8.35	78	986468	53.938	ug/l	100
41) Methacrylonitrile	7.53	41	79288	59.299	ug/l #	80
42) 1,2-Dichloroethane	8.43	62	255584	53.517	ug/l	99
43) Isopropyl Acetate	8.46	43	243587	52.179	ug/l	99
44) Trichloroethene	9.11	130	270866	52.444	ug/l	99
45) 1,2-Dichloropropane	9.39	63	237754	53.667	ug/l	96
46) Dibromomethane	9.48	93	124933	54.367	ug/l	99
47) Bromodichloromethane	9.67	83	323236	54.069	ug/l	99
48) Methyl methacrylate	9.46	41	126825	57.755	ug/l	94
49) 1,4-Dioxane	9.46	88	29079	1106.287	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	648823	276.191	ug/l	99
52) Toluene	10.41	92	629614	54.647	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	302236	54.099	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	366065	54.133	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	176232	54.147	ug/l	97
56) Ethyl methacrylate	10.67	69	204400	55.708	ug/l	99
57) 1,3-Dichloropropane	10.95	76	297367	54.000	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	246222	215.018	ug/l	100
59) 2-Hexanone	10.99	43	477926	293.891	ug/l	100
60) Dibromochloromethane	11.14	129	230909	55.348	ug/l	99
61) 1,2-Dibromoethane	11.25	107	166846	53.744	ug/l	99
64) Tetrachloroethene	10.88	164	238581	53.669	ug/l	98
65) Chlorobenzene	11.67	112	654816	53.338	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	246865	55.212	ug/l	97
67) Ethyl Benzene	11.75	91	1175201	55.400	ug/l	97
68) m/p-Xylenes	11.86	106	915275	111.900	ug/l	100
69) o-Xylene	12.18	106	400025	55.598	ug/l	98
70) Styrene	12.20	104	721778	57.000	ug/l	100
71) Bromoform	12.37	173	138142	55.004	ug/l #	100
73) Isopropylbenzene	12.48	105	1122194	55.073	ug/l	100
74) N-amyl acetate	12.30	43	220840	52.939	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	186779	52.148	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	145853m	59.665	ug/l	
77) Bromobenzene	12.77	156	271846	53.697	ug/l	99
78) n-propylbenzene	12.83	91	1338280	55.354	ug/l	100
79) 2-Chlorotoluene	12.91	91	735573	53.984	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	923514	55.129	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	60729	52.426	ug/l	97
82) 4-Chlorotoluene	13.01	91	772102	53.924	ug/l	99
83) tert-Butylbenzene	13.23	119	786966	55.529	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	918103	55.600	ug/l	100
85) sec-Butylbenzene	13.41	105	1114775	55.106	ug/l	100
86) p-Isopropyltoluene	13.53	119	1023481	55.445	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	515521	52.965	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	508460	52.516	ug/l	99
89) n-Butylbenzene	13.85	91	948275	55.566	ug/l	99
90) Hexachloroethane	14.12	117	200544	52.754	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	441413	53.293	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	27758	50.887	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	299900	53.421	ug/l	98
94) Hexachlorobutadiene	15.28	225	195816	53.086	ug/l	99
95) Naphthalene	15.41	128	489689	49.035	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	265287	54.686	ug/l	100

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

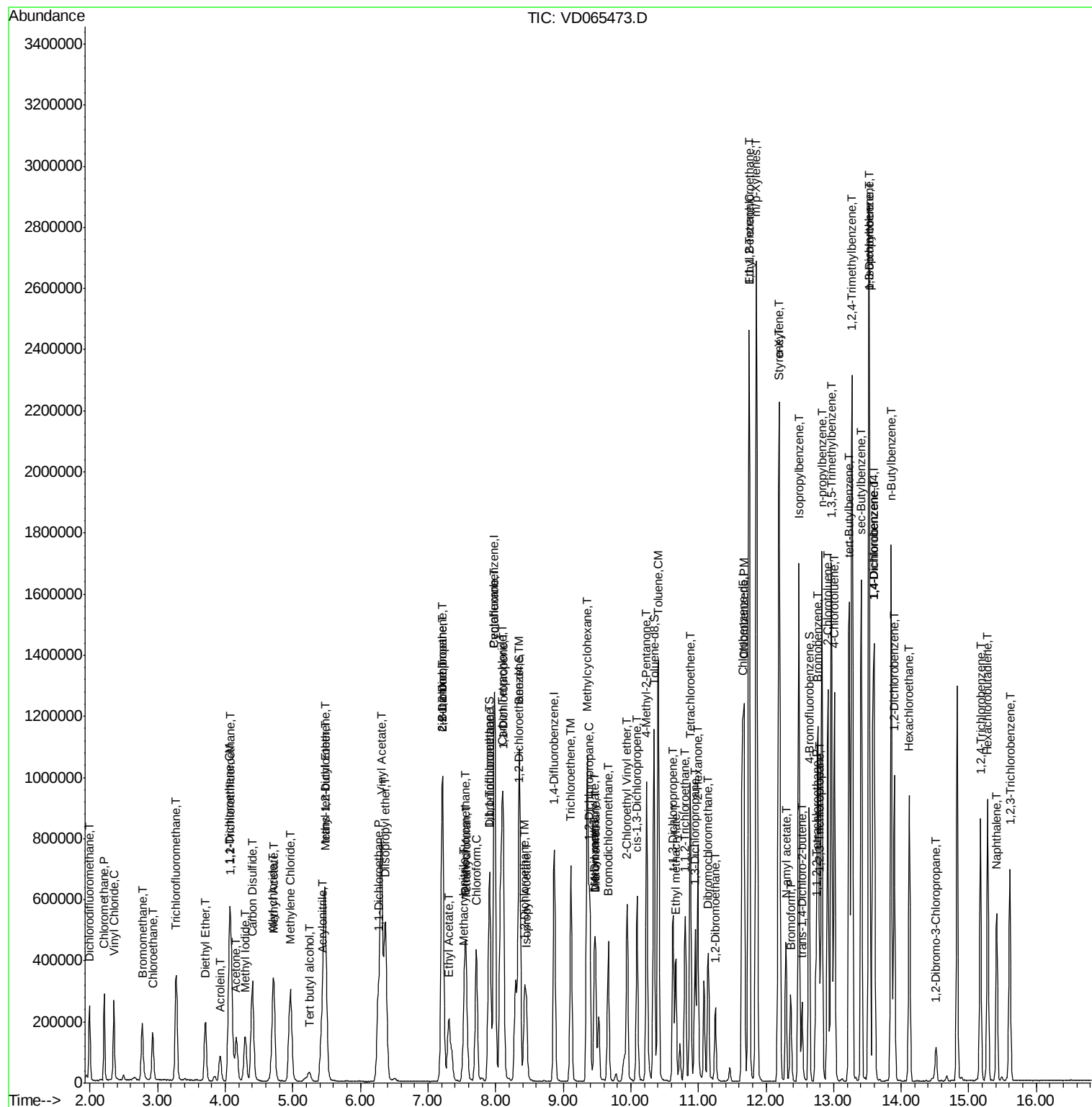
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031120\
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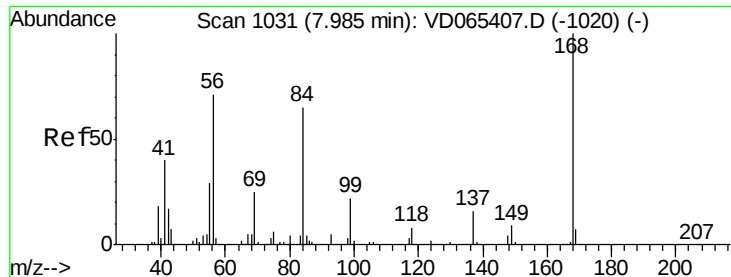
Instrument :
MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 490078

Ion Ratio Lower Upper

168 100

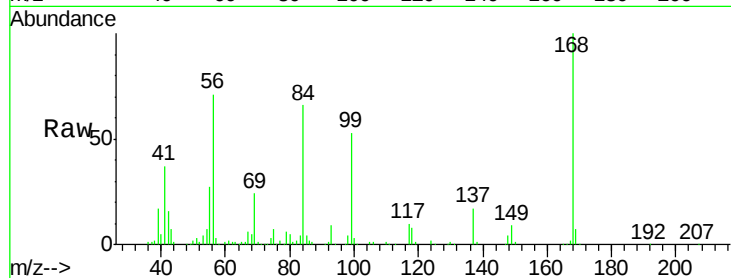
99 53.3 41.5 62.3

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

250000

200000

150000

100000

50000

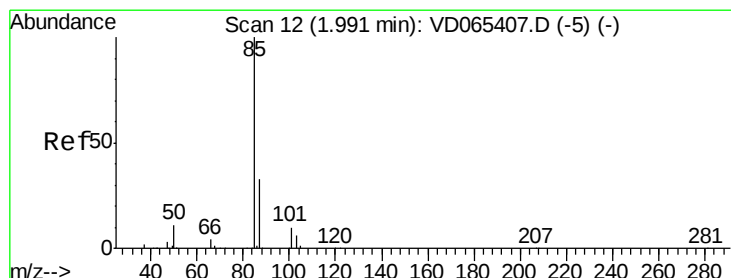
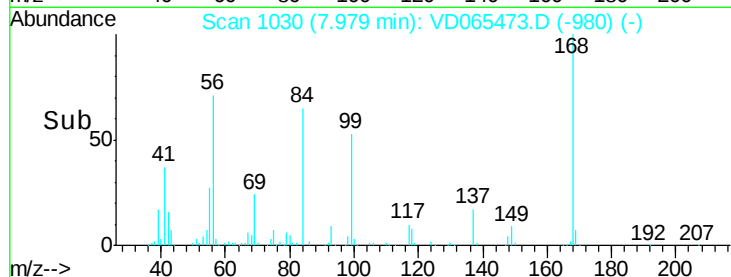
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 43.991 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065473.D

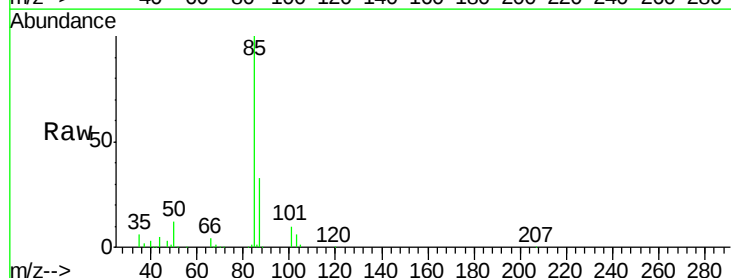
Acq: 11 Mar 2020 10:56

Tgt Ion: 85 Resp: 185285

Ion Ratio Lower Upper

85 100

87 33.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

100000

50000

0

1.90

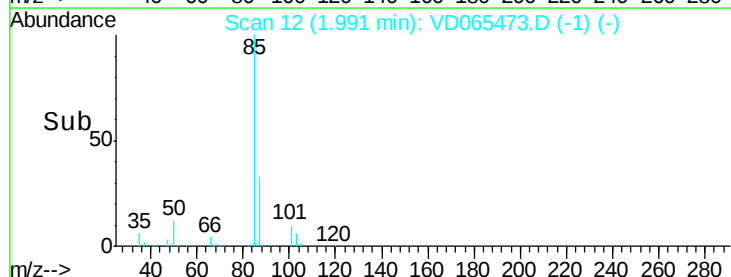
1.95

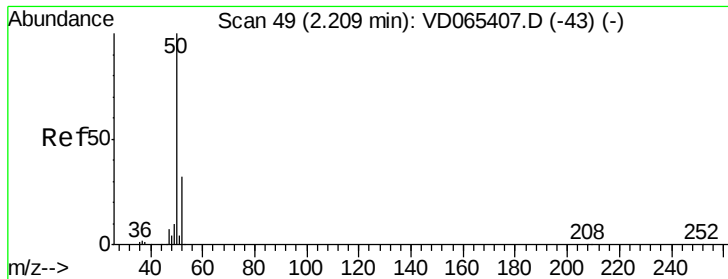
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 45.303 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 230367

Ion Ratio Lower Upper

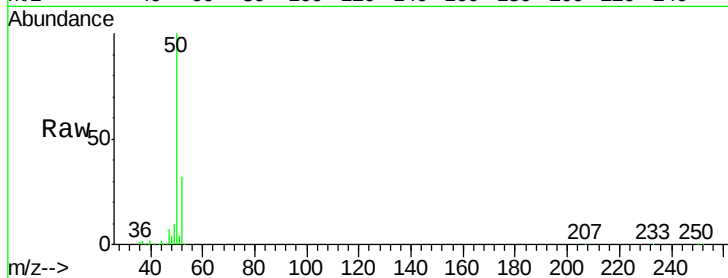
50 100

52 32.0 25.8 38.8

Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

200000

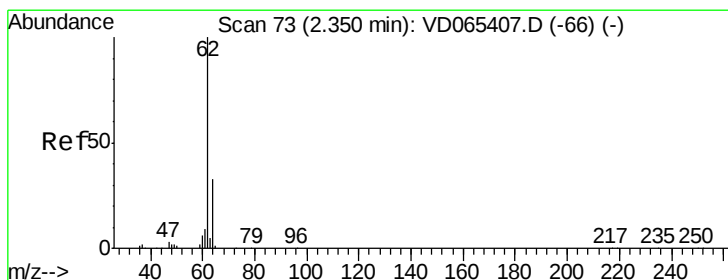
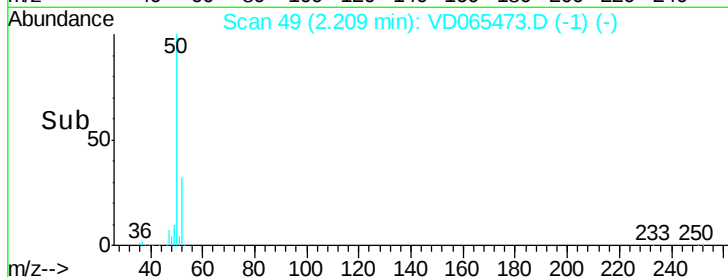
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 47.112 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065473.D

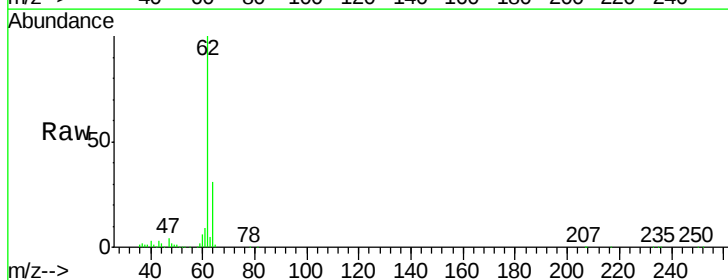
Acq: 11 Mar 2020 10:56

Tgt Ion: 62 Resp: 236295

Ion Ratio Lower Upper

62 100

64 31.4 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

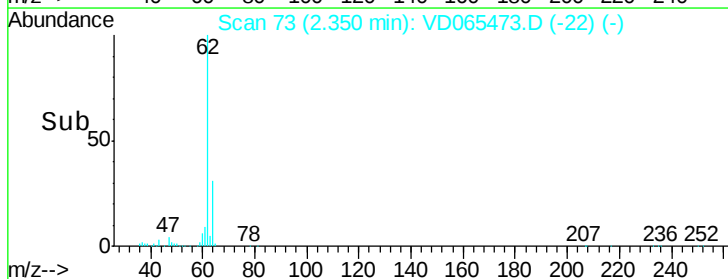
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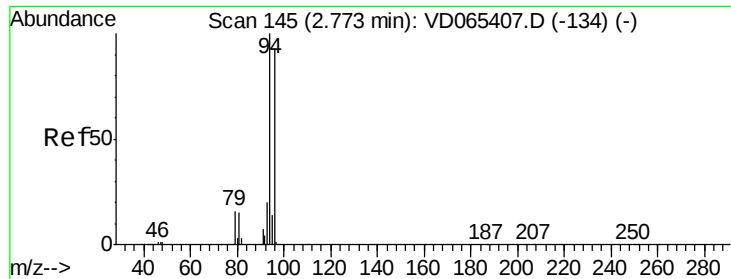
100000

50000

0

Time-->





#5

Bromomethane

Concen: 52.255 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 146251

Ion Ratio Lower Upper

94 100

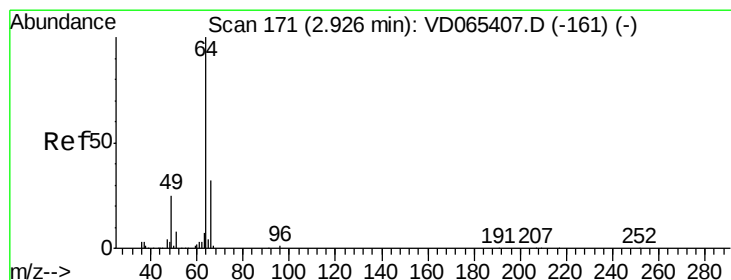
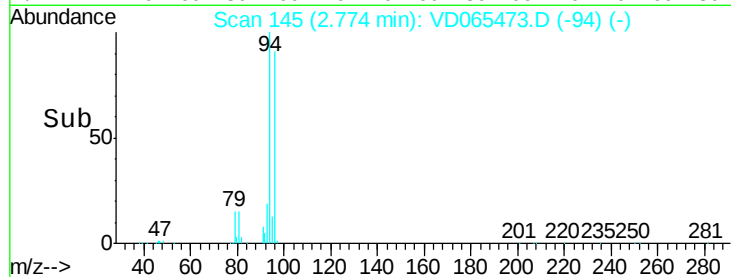
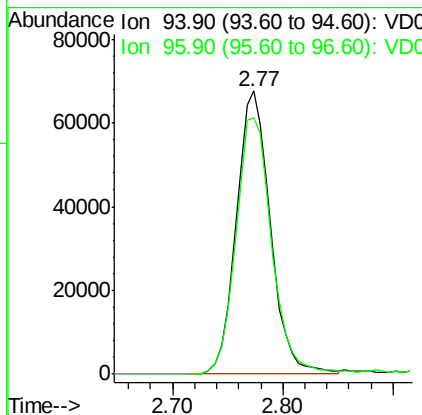
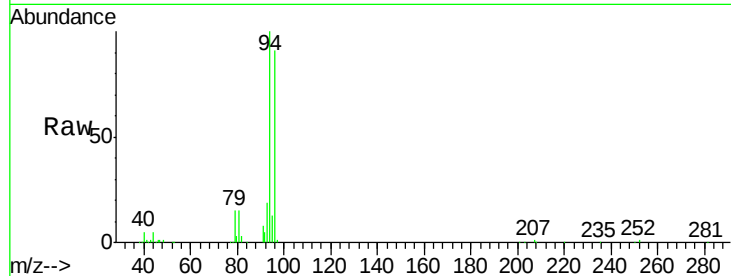
96 90.8 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 48.539 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065473.D

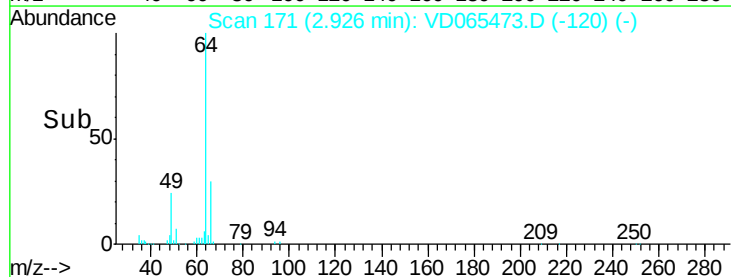
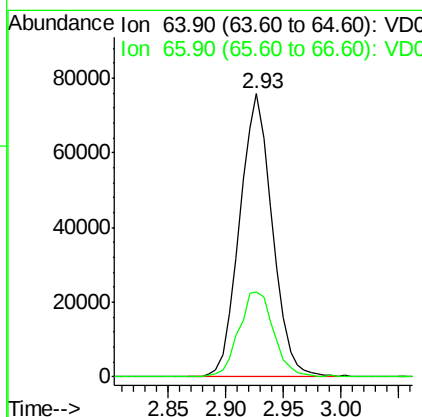
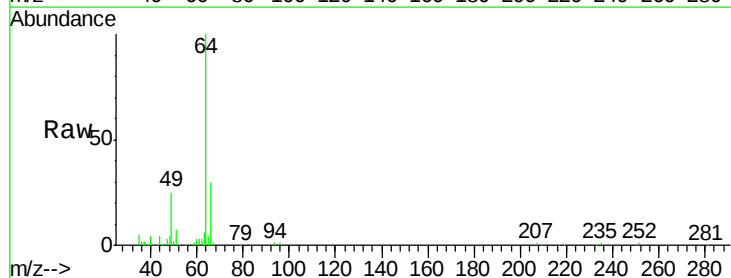
Acq: 11 Mar 2020 10:56

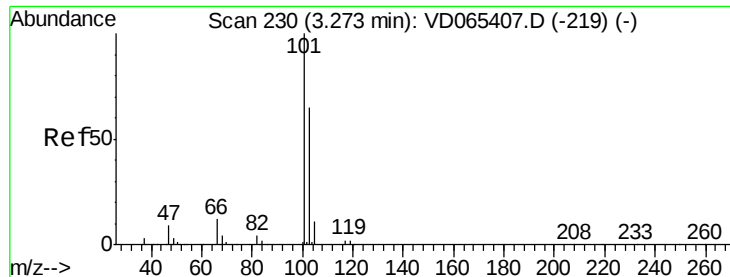
Tgt Ion: 64 Resp: 149104

Ion Ratio Lower Upper

64 100

66 29.8 25.6 38.4





#7

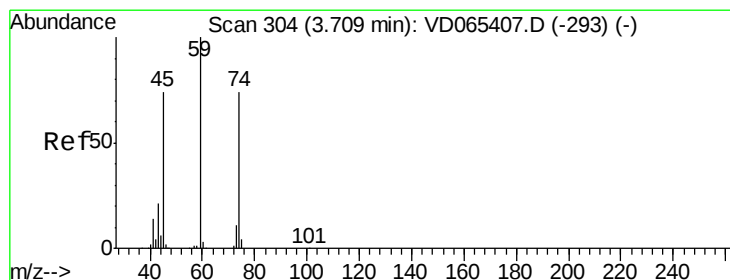
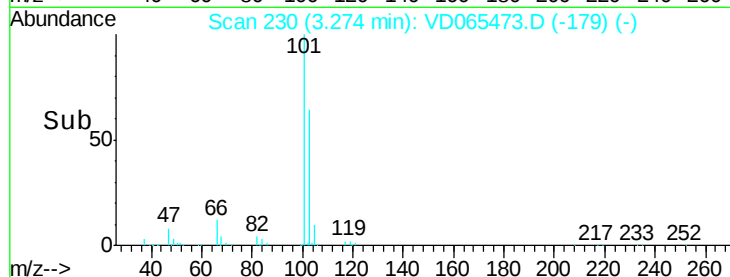
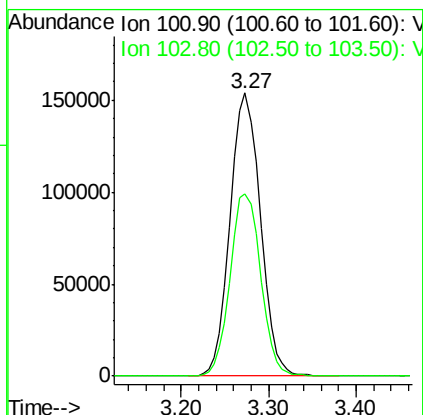
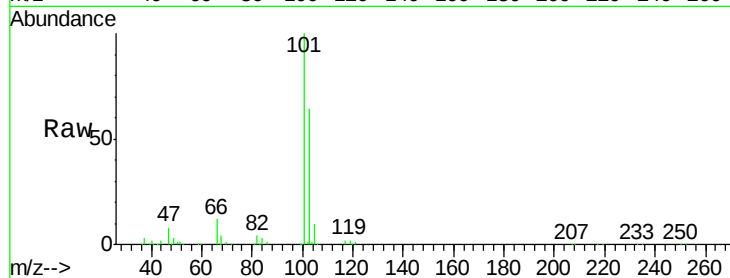
Trichlorofluoromethane
Concen: 49.113 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.1	78.1

Manual Integrations
APPROVED

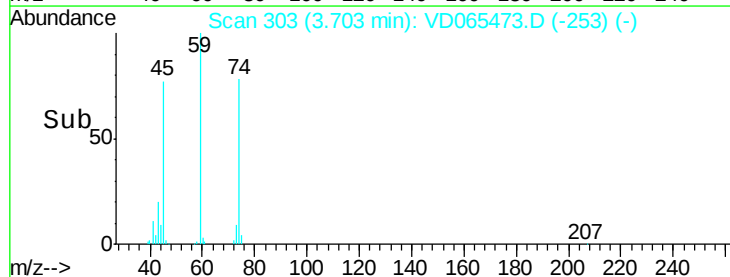
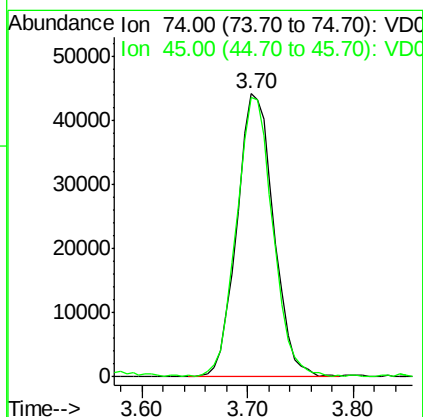
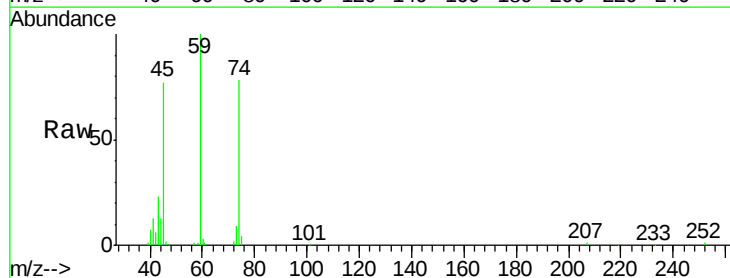
MMDadoda
3/13/2020 9:49:33 AM

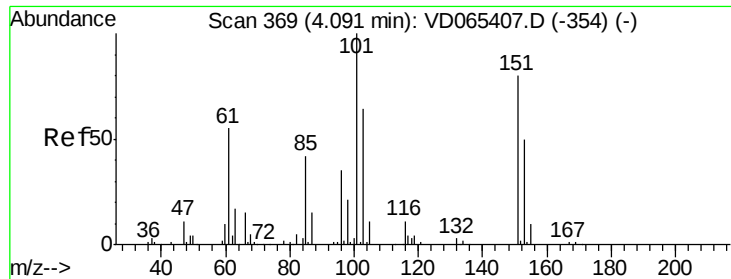


#8

Diethyl Ether
Concen: 48.370 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.3	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.502 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065473.D

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MSVOA_D

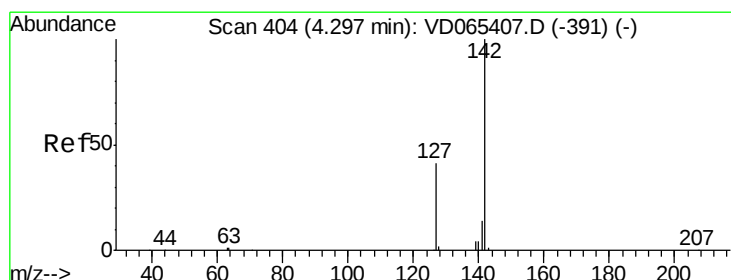
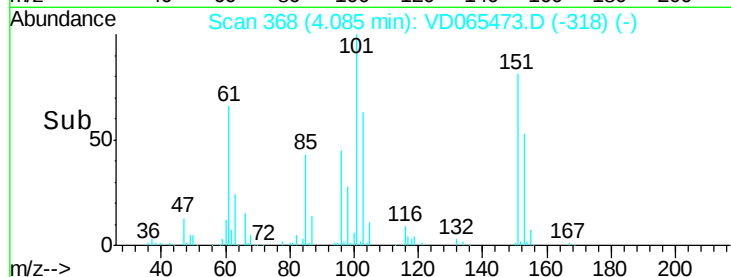
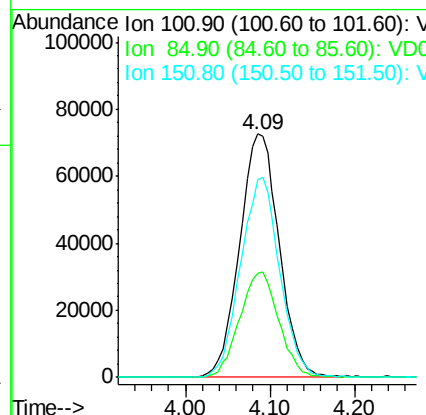
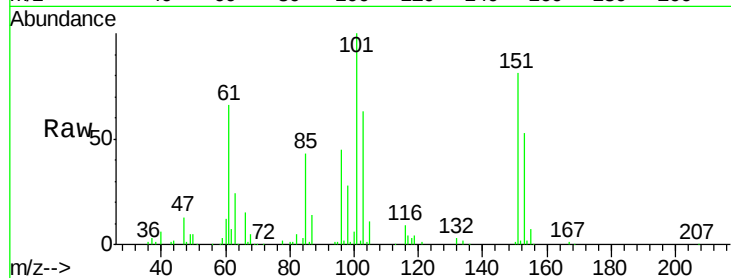
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	235618
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.2	51.2
151	81.4	65.1	97.7

Manual Integrations
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#10

Methyl Iodide

Concen: 50.903 ug/l

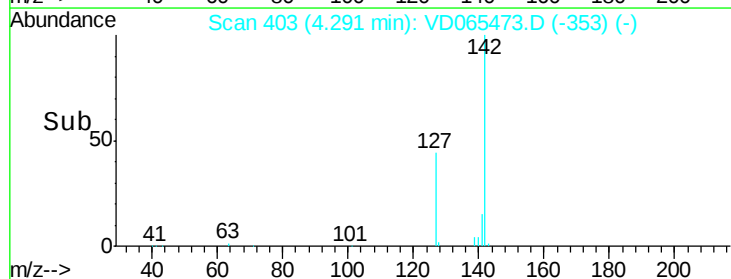
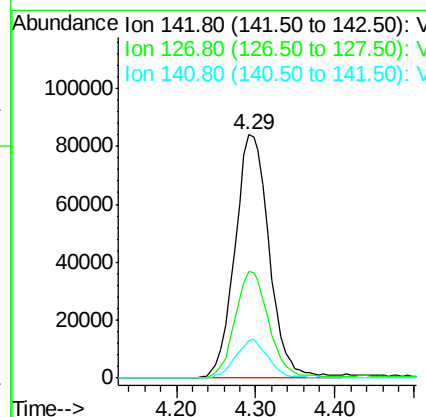
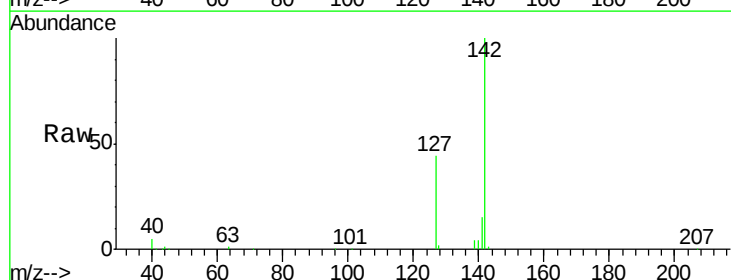
RT: 4.29 min Scan# 403

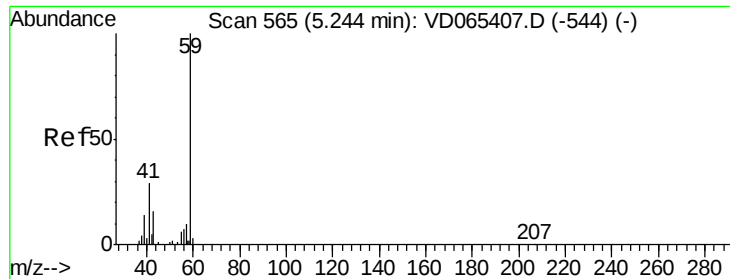
Delta R.T. -0.01 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Tgt Ion:	142	Resp:	251713
Ion Ratio	Lower	Upper	
142	100		
127	43.3	35.0	52.6
141	15.2	12.4	18.6





#11

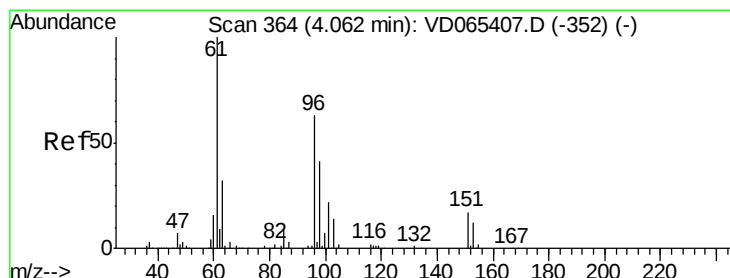
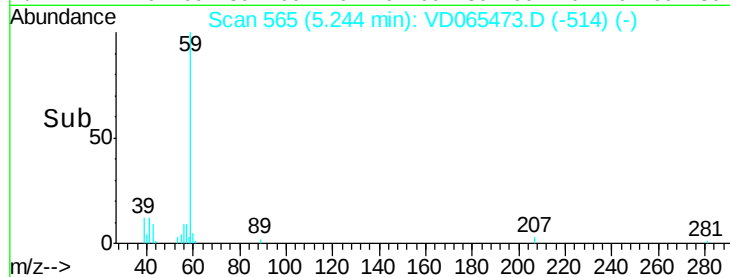
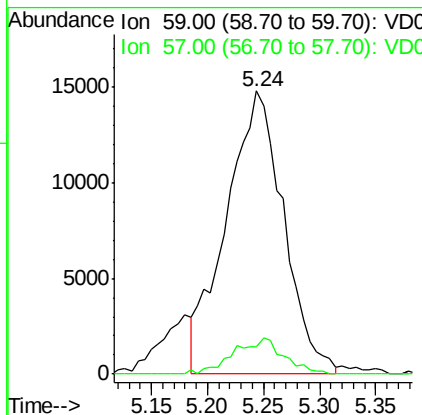
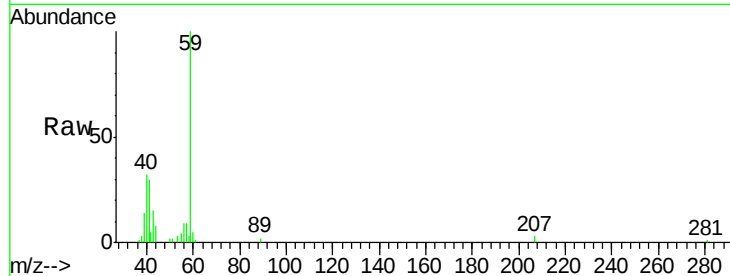
Tert butyl alcohol
Concen: 218.303 ug/l m
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 52640
Ion Ratio Lower Upper
59 100
57 11.2 6.9 10.3#

Manual Integrations
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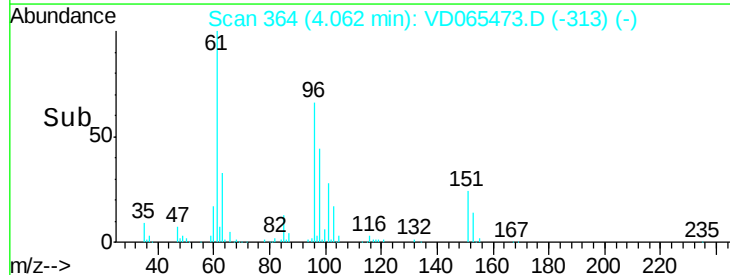
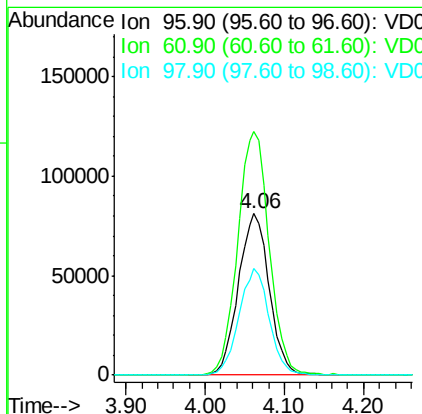
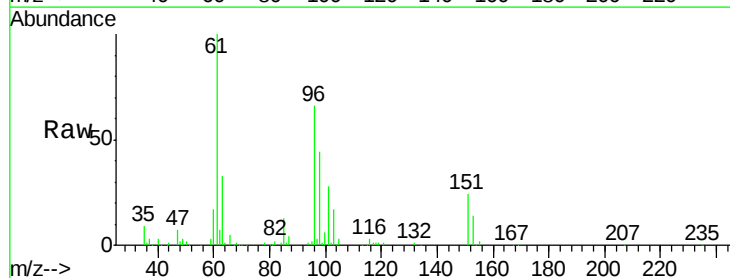
MMDadoda
3/13/2020 9:49:33 AM

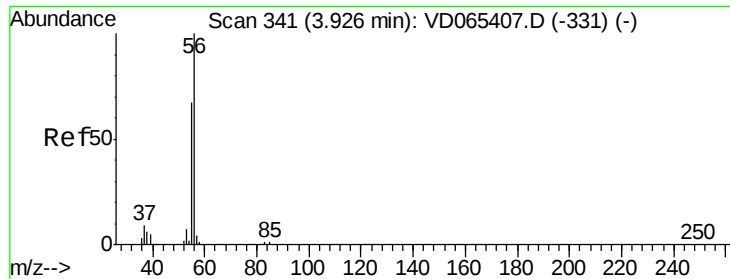


#12

1,1-Dichloroethene
Concen: 48.261 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion: 96 Resp: 219965
Ion Ratio Lower Upper
96 100
61 150.7 128.0 192.0
98 66.1 51.9 77.9





#13

Acrolein

Concen: 238.037 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 98991

Ion Ratio Lower Upper

56 100

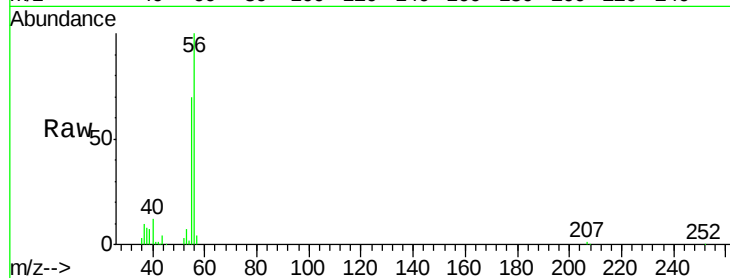
55 69.8 56.6 85.0

Manual Integrations

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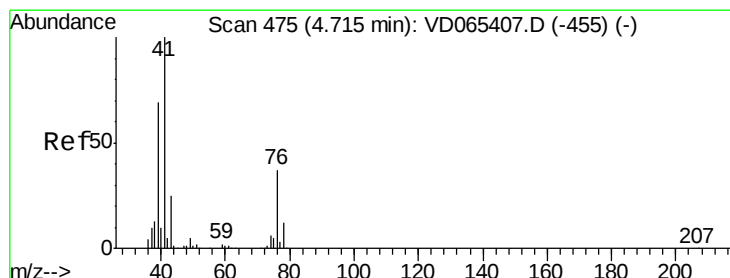
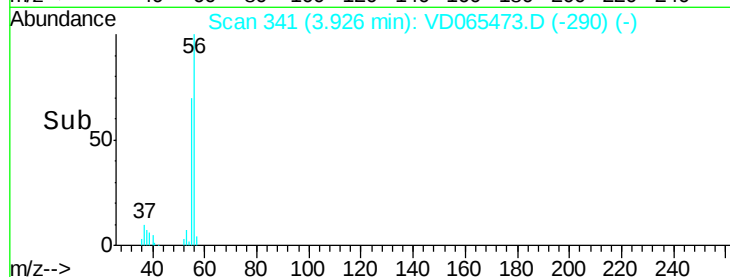
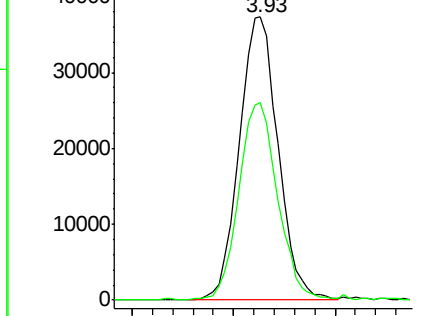
MMDadoda

3/13/2020 9:49:33 AM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 47.672 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

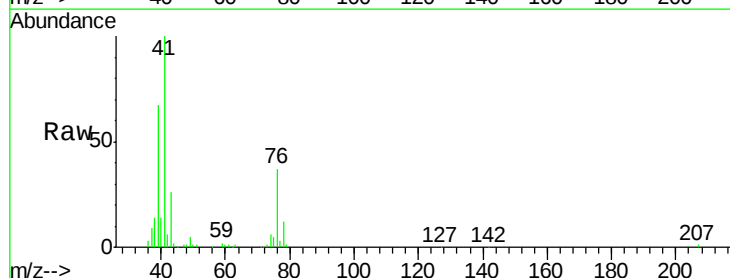
Tgt Ion: 41 Resp: 333776

Ion Ratio Lower Upper

41 100

39 66.1 52.6 79.0

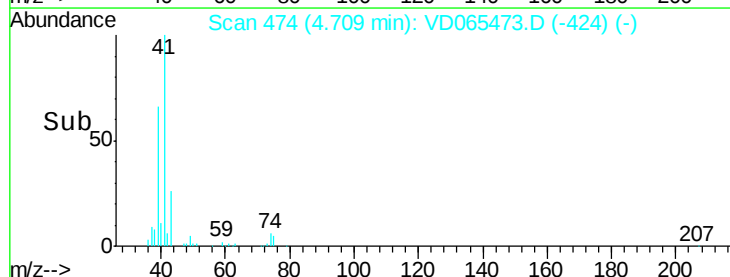
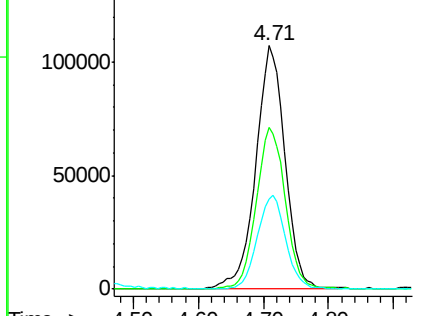
76 36.7 29.2 43.8

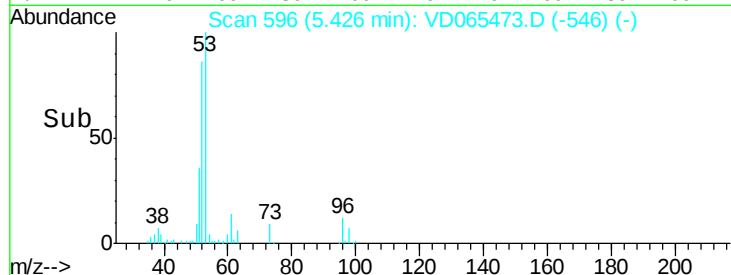
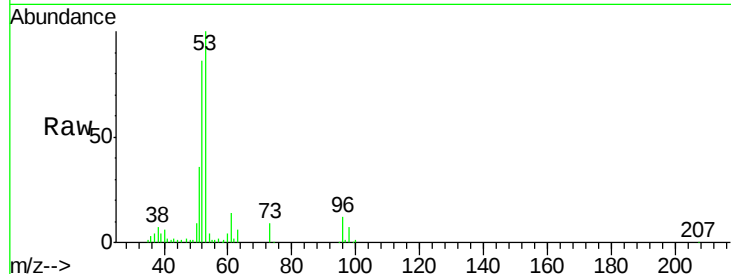
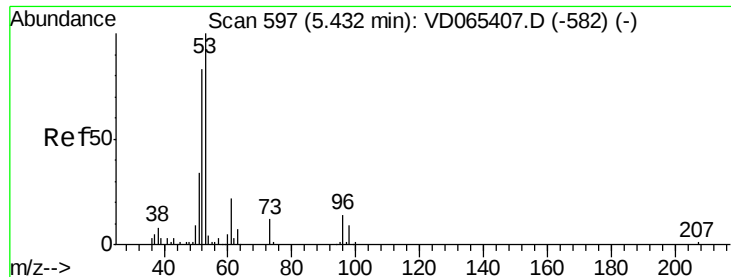


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





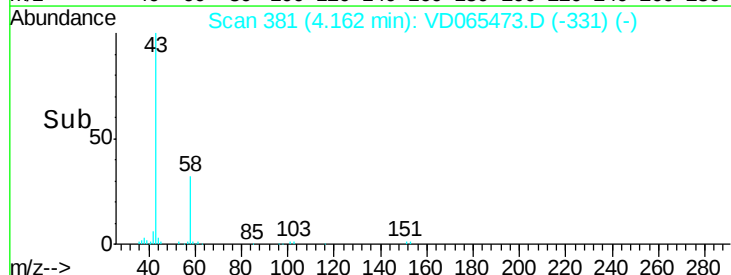
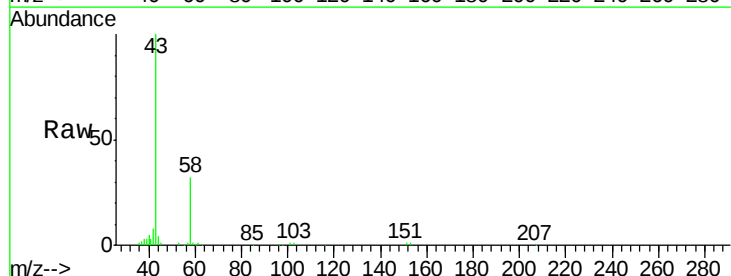
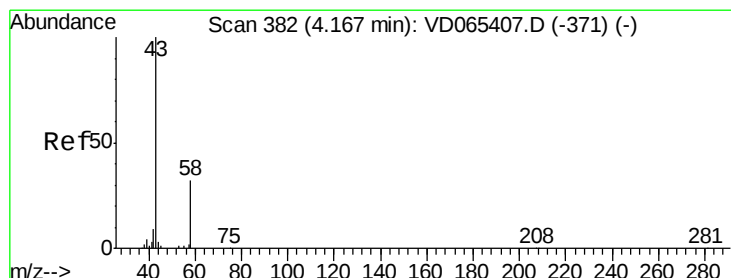
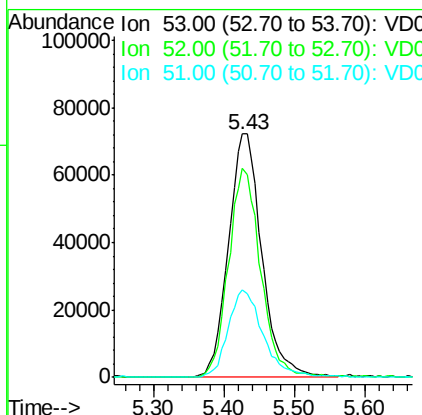
#15
Acrylonitrile
Concen: 248.346 ug/l
RT: 5.43 min Scan# 596
Delta R.T. -0.01 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tot Ion	Ratio	Resp	Lower	Upper
53	100	237452		
52	82.0	65.1	97.7	
51	37.9	28.5	42.7	

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

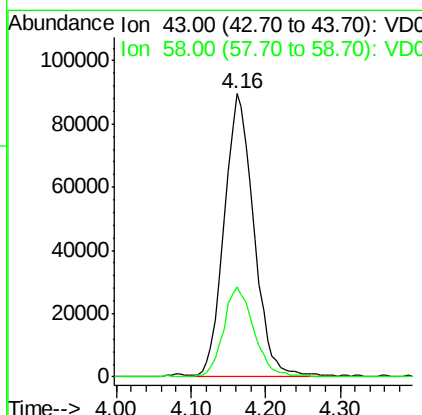
Manual Integrations
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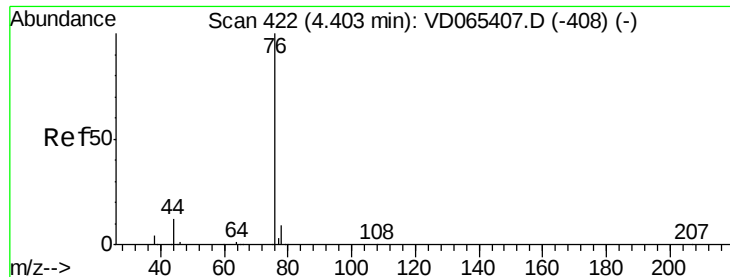
MMDadoda
3/13/2020 9:49:33 AM



#16
Acetone
Concen: 287.801 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.01 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	244687		
58	31.9	25.1	37.7	





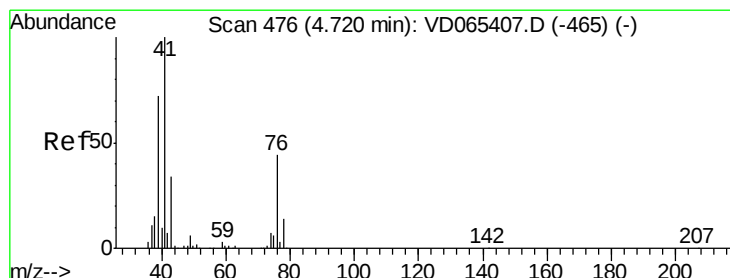
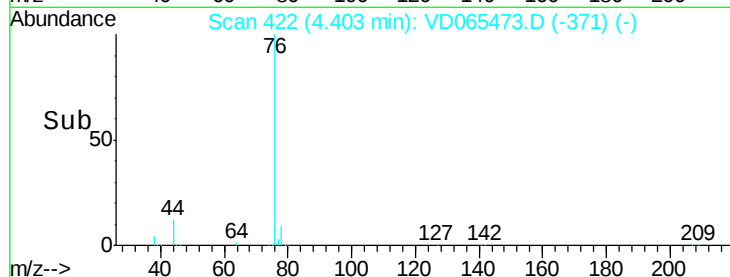
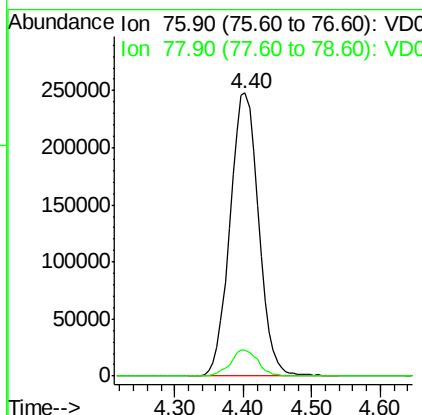
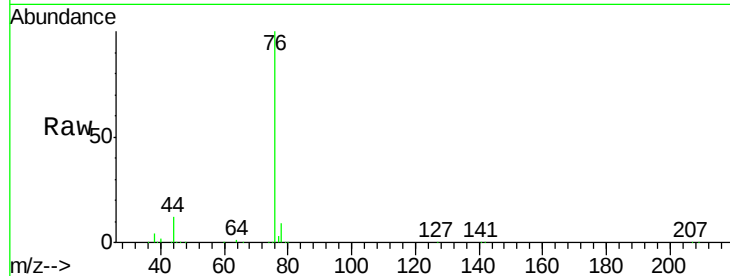
#17
Carbon Disulfide
Concen: 47.490 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

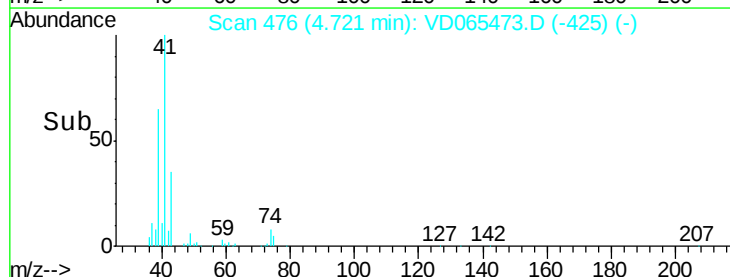
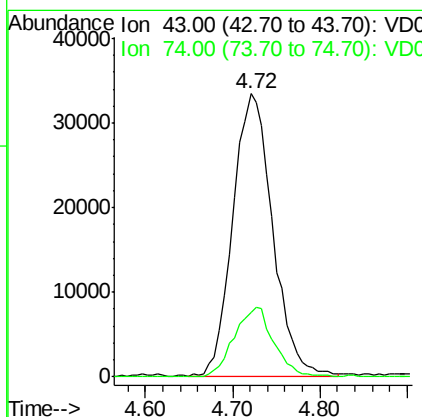
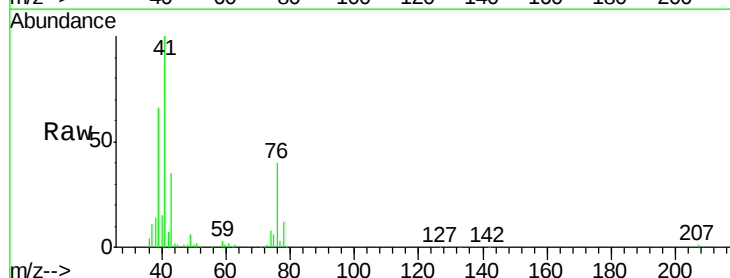
Manual Integrations
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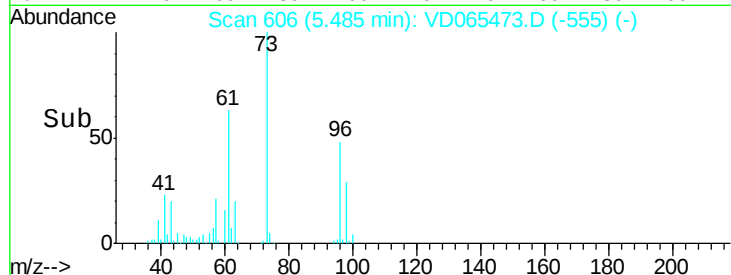
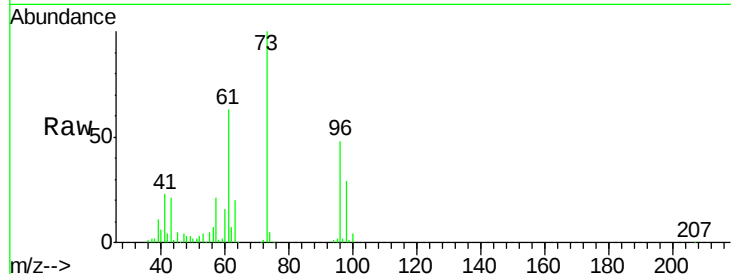
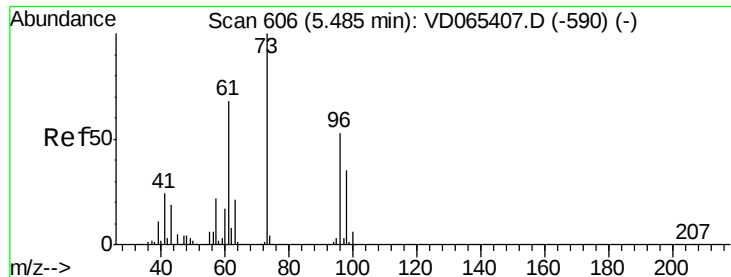
MMDadoda
3/13/2020 9:49:33 AM



#18
Methyl Acetate
Concen: 48.256 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.6	29.4





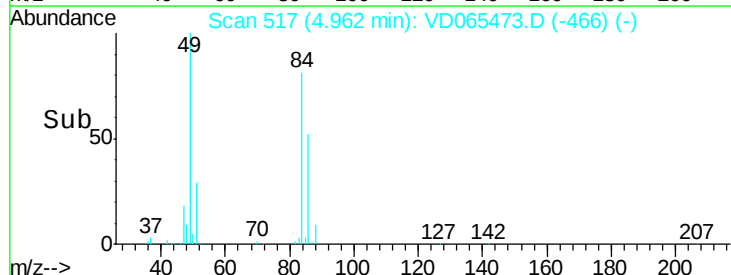
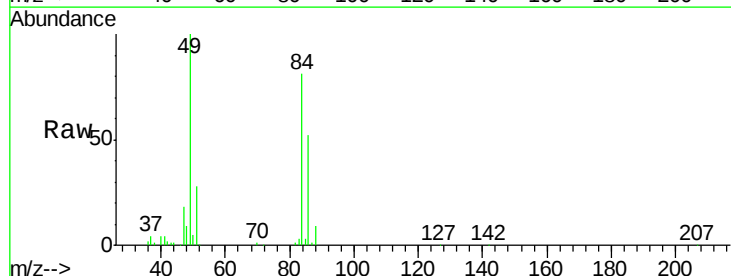
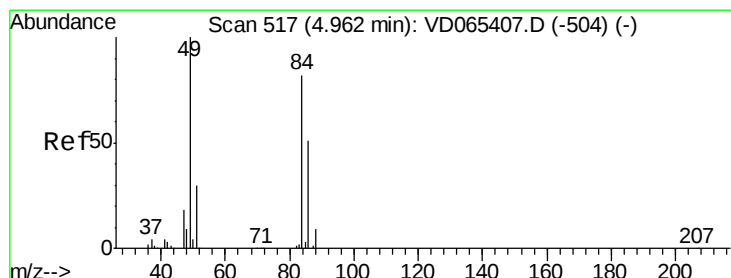
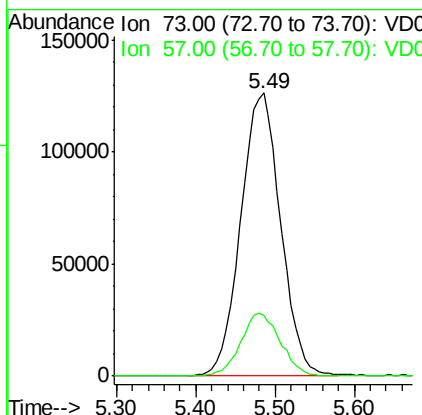
#19
Methyl tert-butyl Ether
Concen: 50.422 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tot Ion: 73 Resp: 441945
Ion Ratio Lower Upper
73 100
57 21.3 17.3 25.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

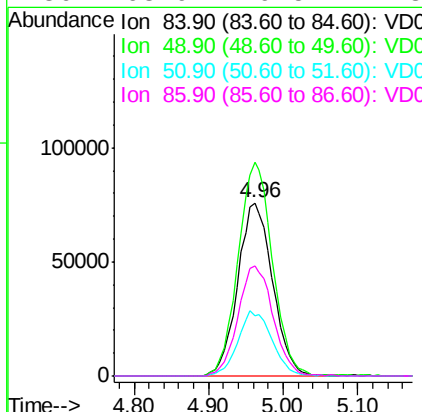
Manual Integrations
APPROVED

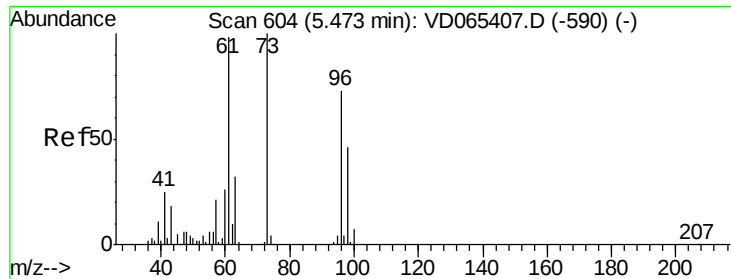
MMDadoda
3/13/2020 9:49:33 AM



#20
Methylene Chloride
Concen: 53.509 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion: 84 Resp: 245930
Ion Ratio Lower Upper
84 100
49 123.5 97.7 146.5
51 35.1 28.8 43.2
86 63.9 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 50.588 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

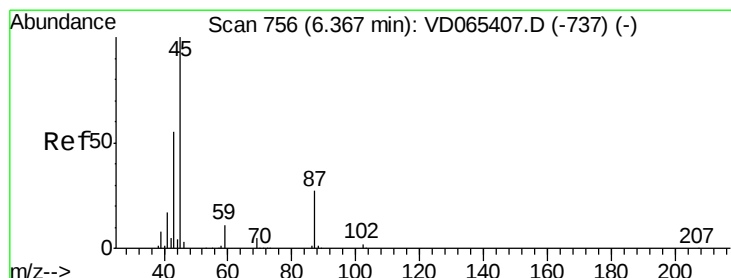
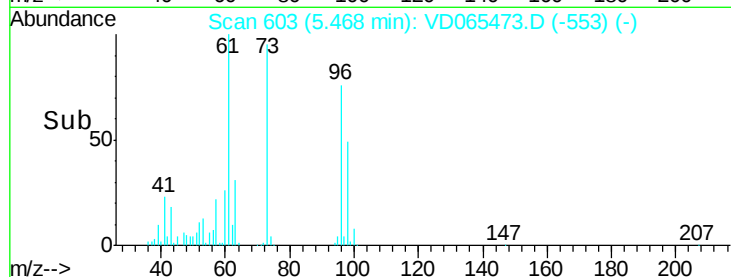
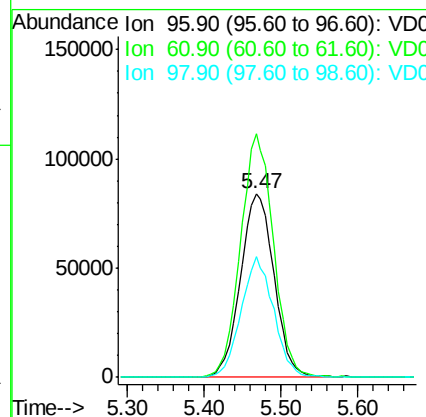
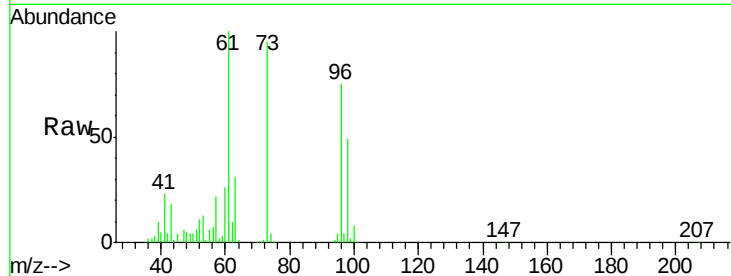
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	256487
Ion Ratio	Lower	Upper	
96	100		
61	132.5	106.3	159.5
98	65.4	50.2	75.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.427 ug/l

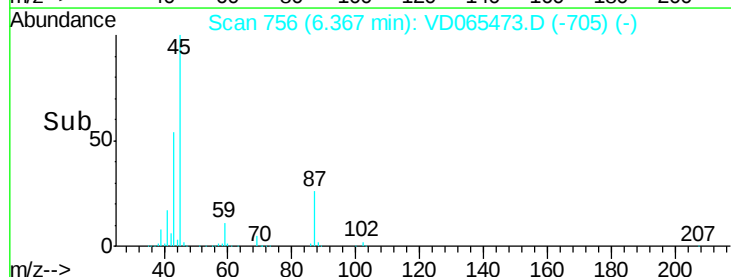
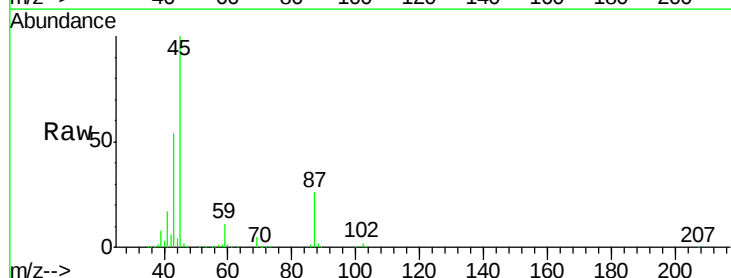
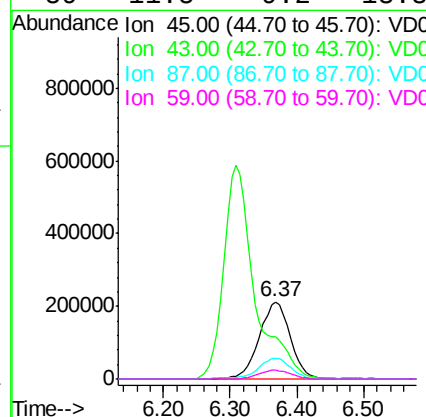
RT: 6.37 min Scan# 756

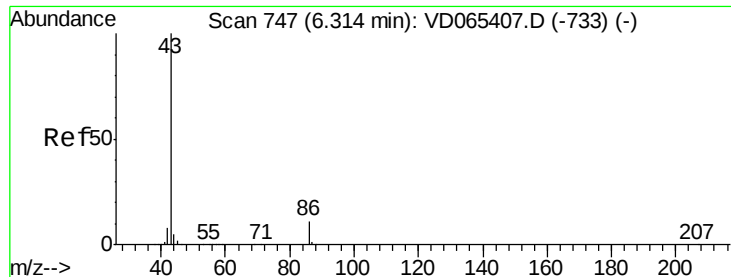
Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Tgt Ion:	45	Resp:	682362
Ion Ratio	Lower	Upper	
45	100		
43	53.5	44.4	66.6
87	25.9	21.9	32.9
59	11.5	9.2	13.8





#23

Vinyl Acetate

Concen: 266.818 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1928255

Ion Ratio Lower Upper

43 100

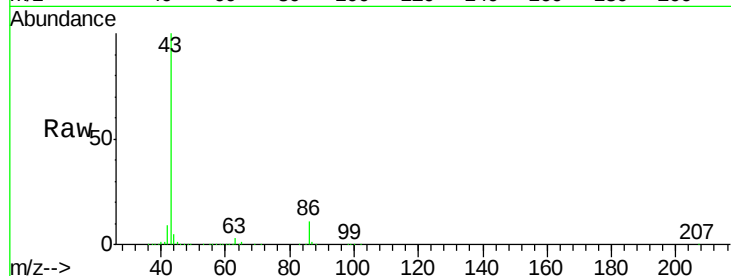
86 11.2 8.9 13.3

Manual Integrations

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3/13/2020 9:49:33 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

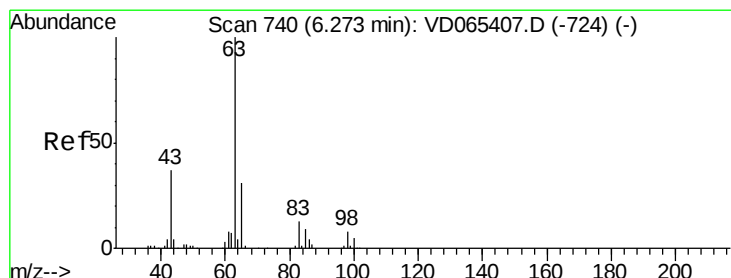
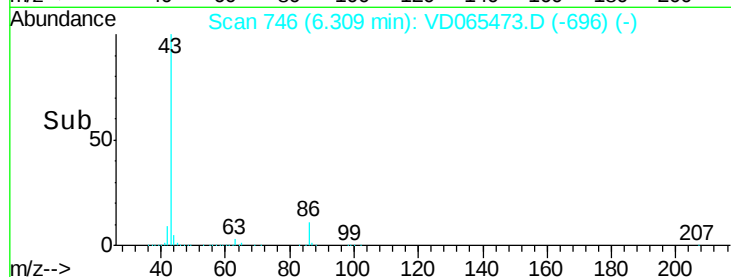
600000

400000

200000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 49.361 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

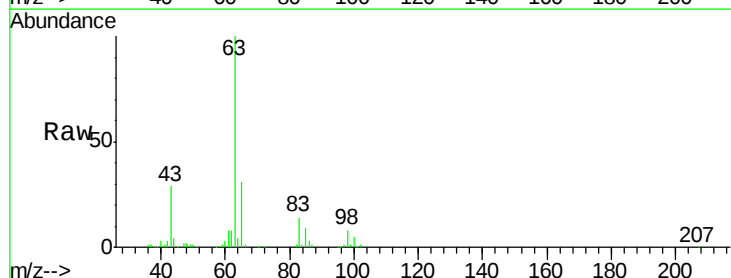
Tgt Ion: 63 Resp: 412085

Ion Ratio Lower Upper

63 100

98 7.9 4.2 12.6

100 5.3 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

6.27

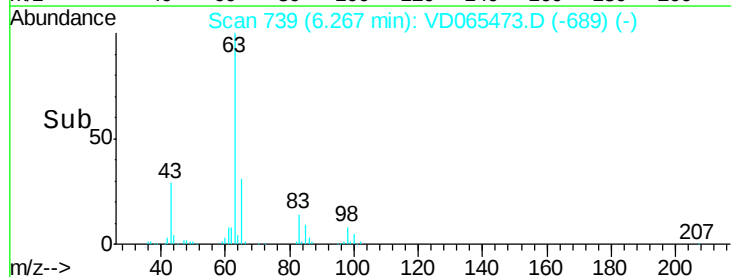
150000

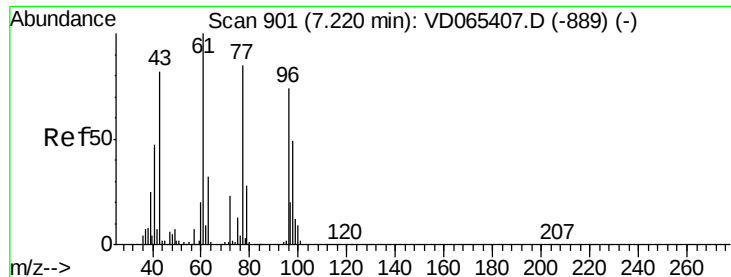
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 259.441 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 301009

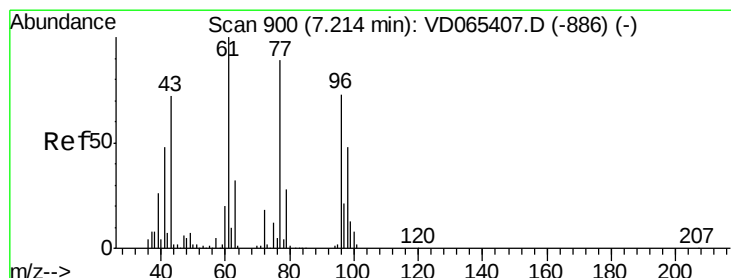
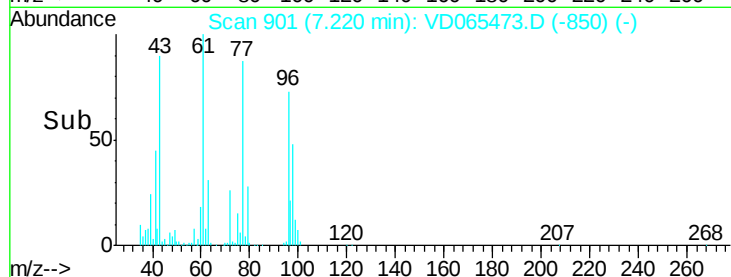
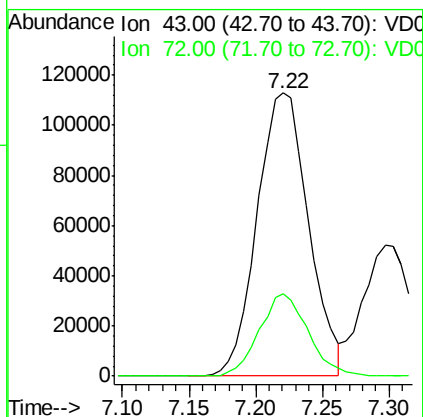
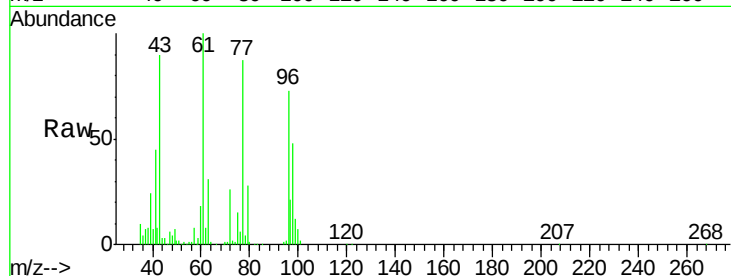
Ion Ratio Lower Upper

43 100

72 29.3 22.3 33.5

Manual Integrations
APPROVED

MMDadoda
3/13/2020 9:49:33 AM



#26

2,2-Dichloropropane

Concen: 50.846 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065473.D

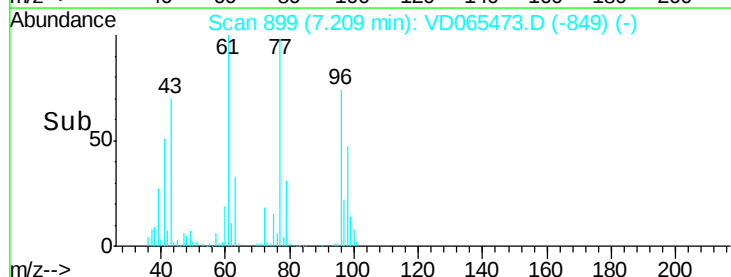
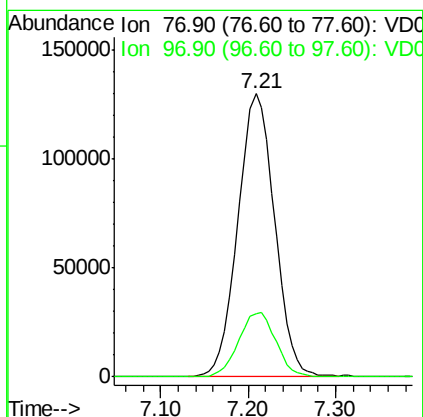
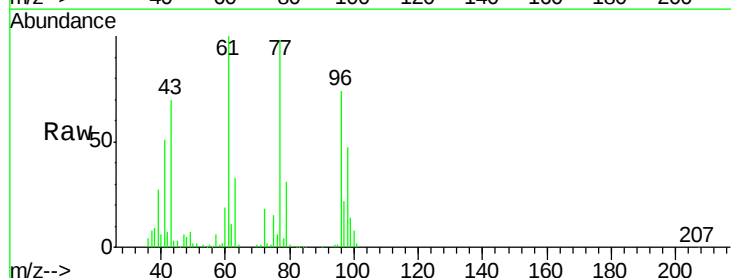
Acq: 11 Mar 2020 10:56

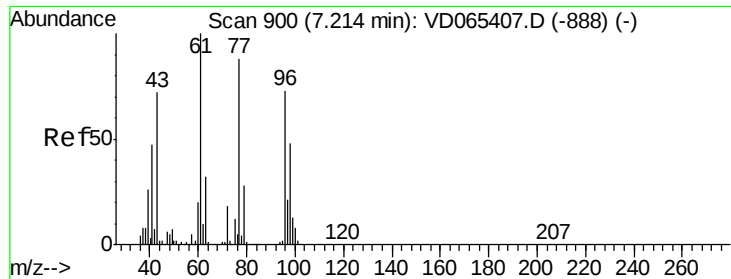
Tgt Ion: 77 Resp: 370943

Ion Ratio Lower Upper

77 100

97 23.0 11.8 35.4





#27

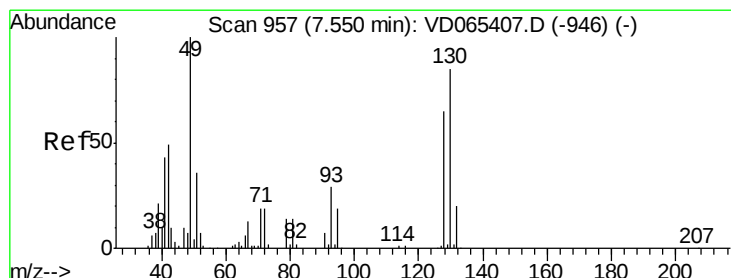
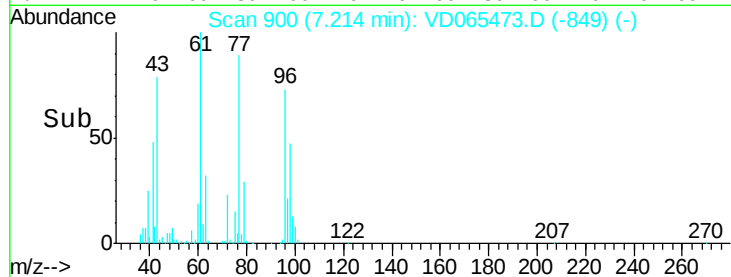
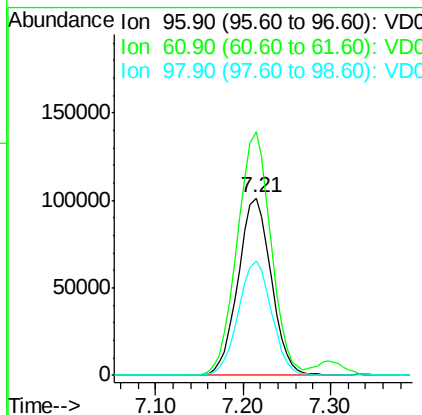
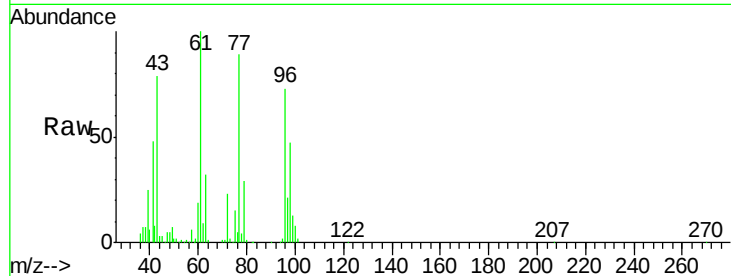
cis-1,2-Dichloroethene
 Concen: 50.502 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	261721		
61	138.8	0.0	280.4	
98	64.8	0.0	132.6	

Manual Integrations
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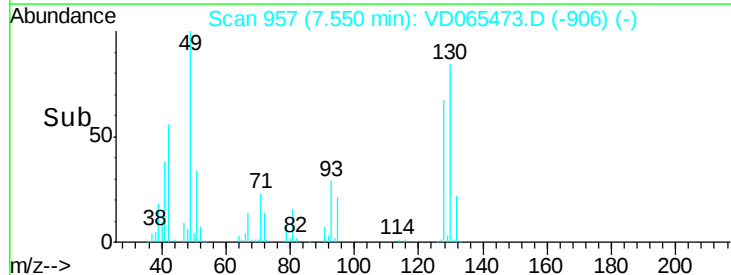
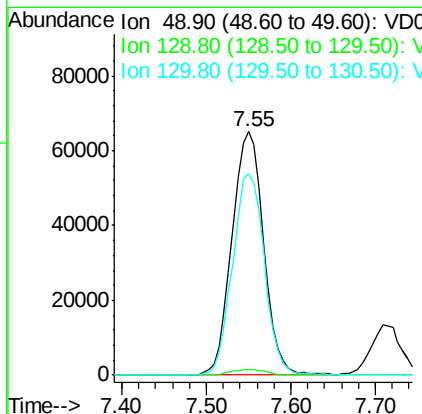
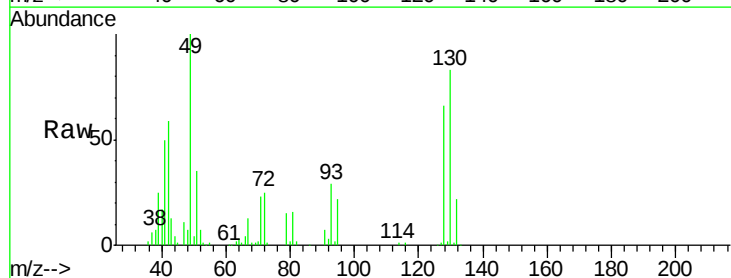
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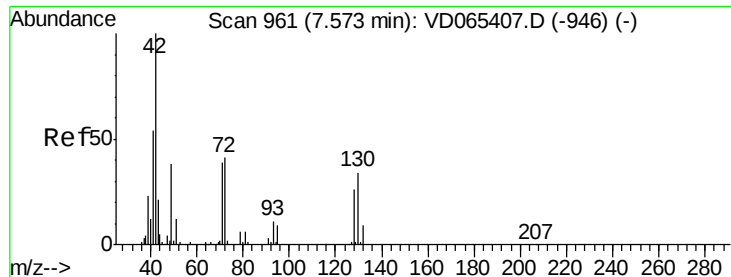


#28

Bromochloromethane
 Concen: 50.288 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	167964		
129	2.5	0.0	4.6	
130	83.7	66.6	100.0	





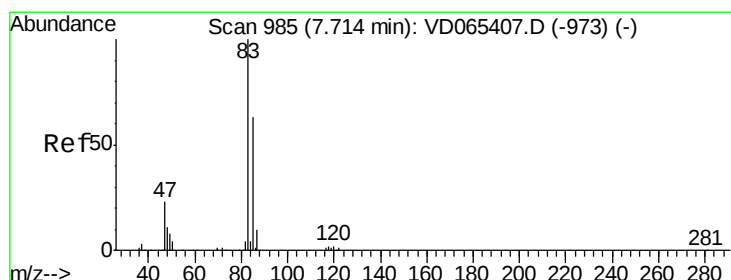
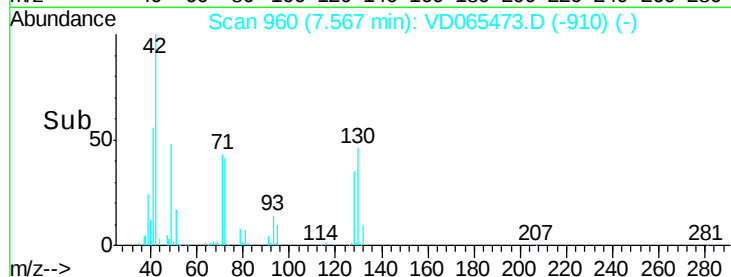
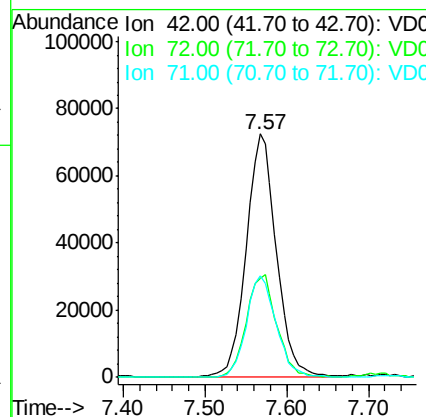
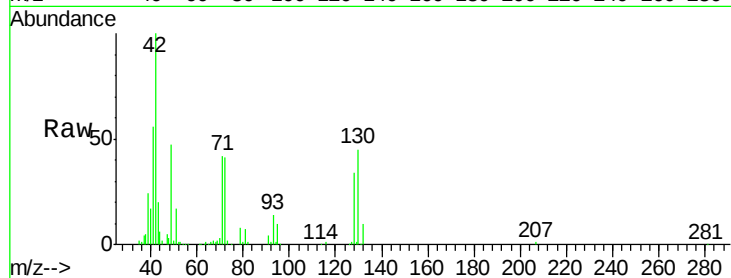
#29
Tetrahydrofuran
Concen: 251.422 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100	186286		
72	42.6		33.0	49.6
71	41.2		32.0	48.0

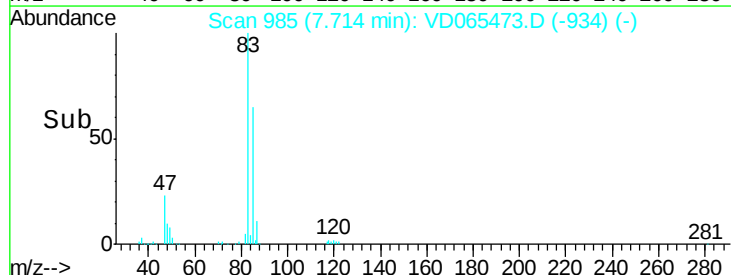
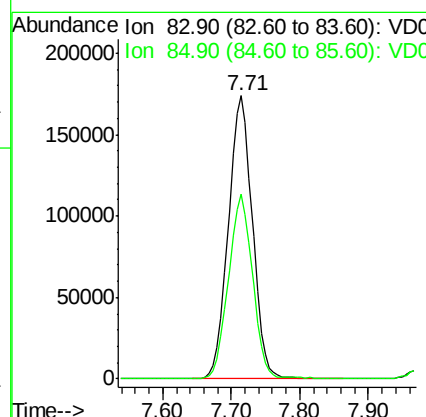
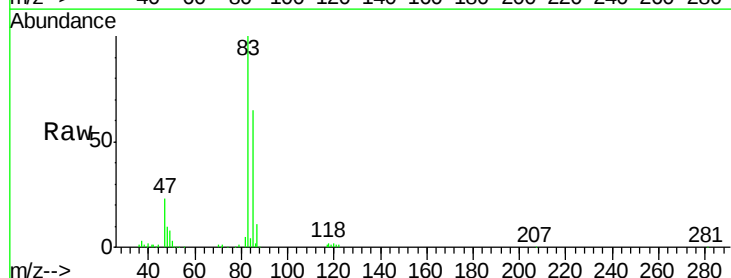
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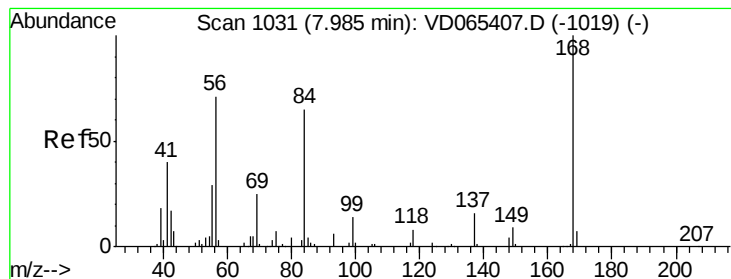
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#30
Chloroform
Concen: 50.754 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	423510		
85	65.1		50.3	75.5





#31

Cyclohexane

Concen: 46.839 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

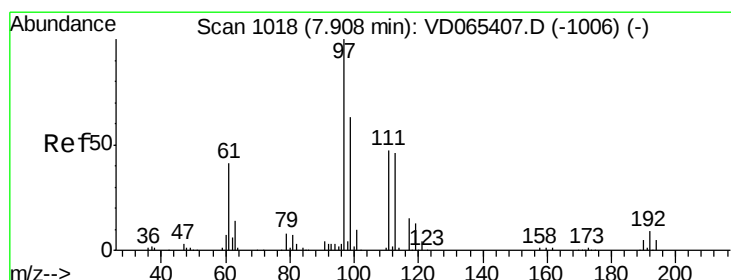
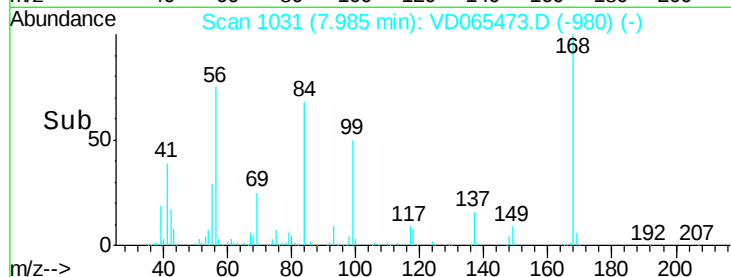
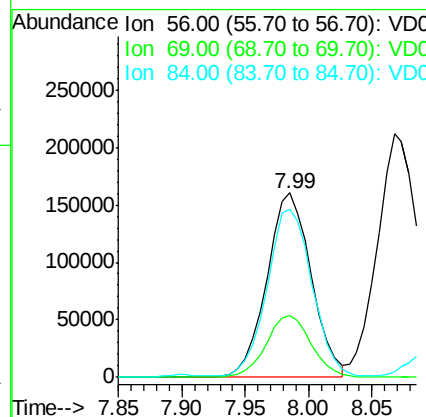
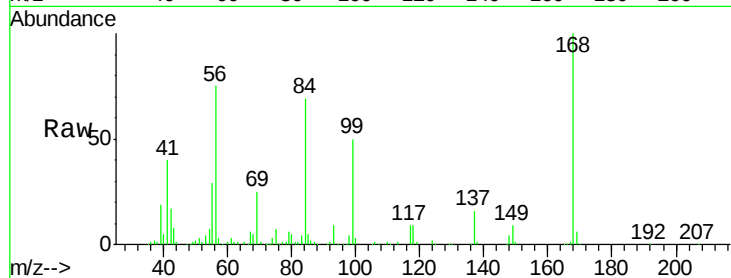
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	391002
Ion Ratio	Lower	Upper	
56	100		
69	33.8	28.3	42.5
84	90.0	73.1	109.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.562 ug/l

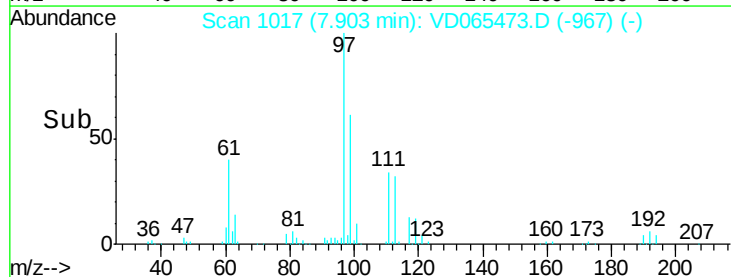
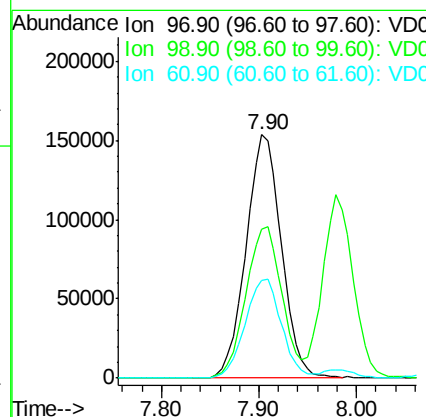
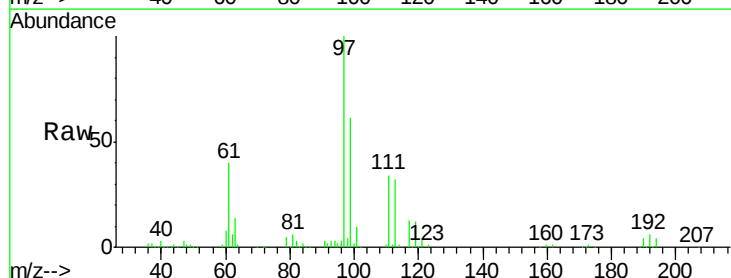
RT: 7.90 min Scan# 1017

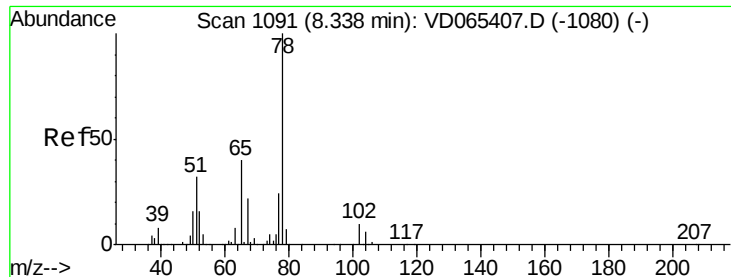
Delta R.T. -0.01 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Tgt Ion:	97	Resp:	389892
Ion Ratio	Lower	Upper	
97	100		
99	63.5	50.9	76.3
61	41.7	33.2	49.8





#33

1,2-Dichloroethane-d4

Concen: 46.005 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 193399

Ion Ratio Lower Upper

65 100

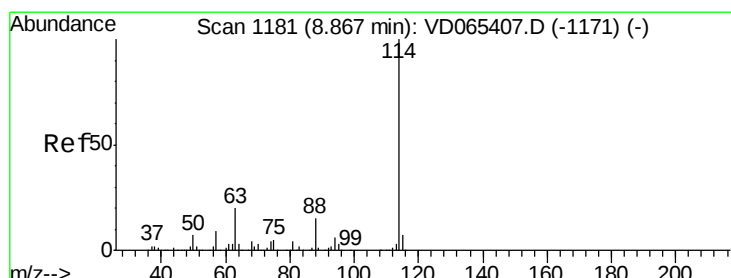
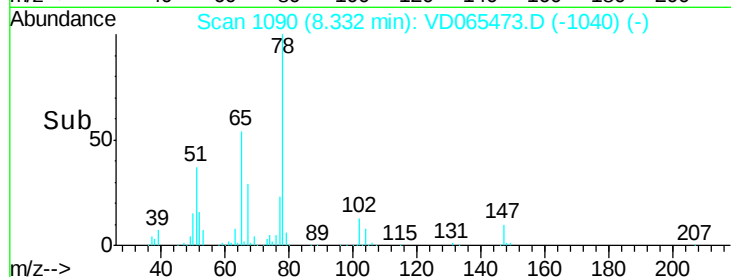
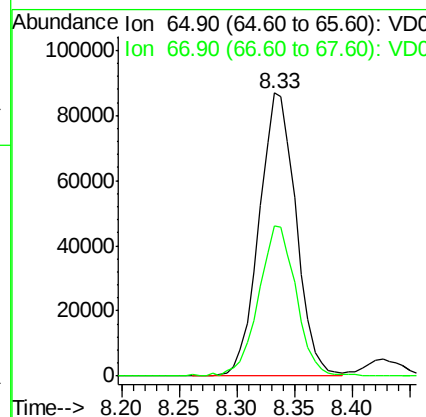
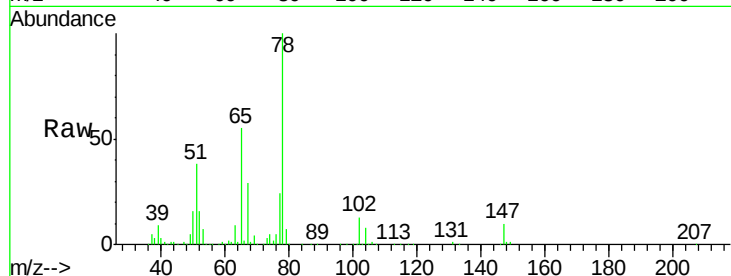
67 54.5 0.0 108.0

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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: VD065473.D

Acq: 11 Mar 2020 10:56

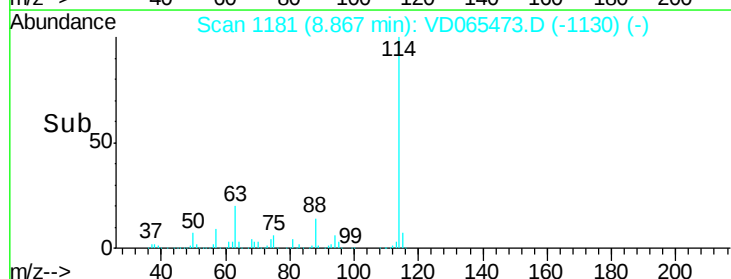
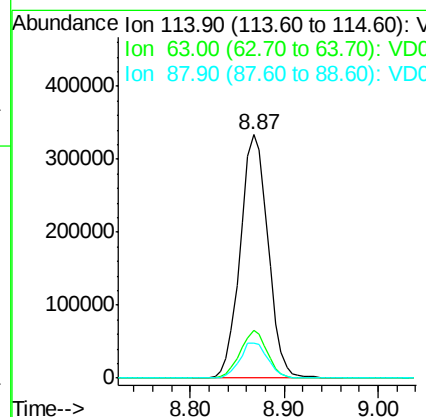
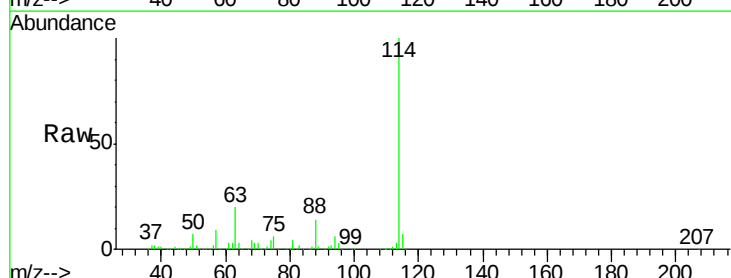
Tgt Ion: 114 Resp: 682395

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

88 14.3 0.0 30.4





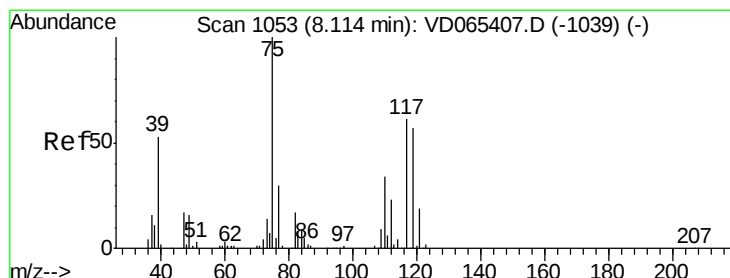
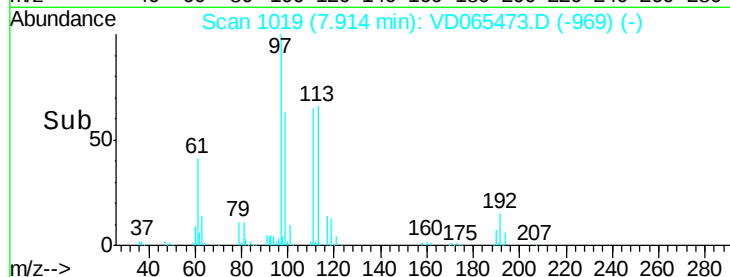
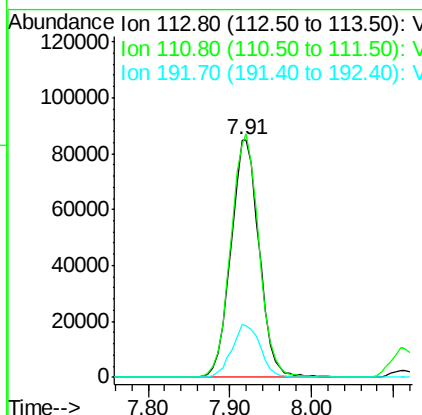
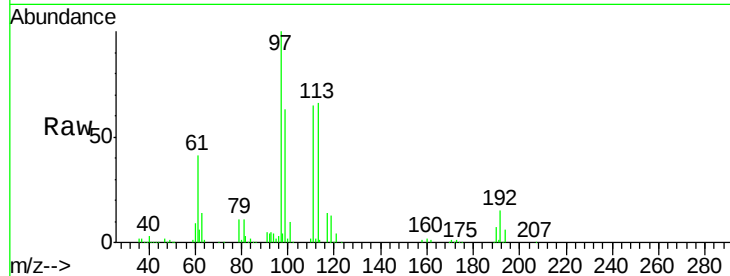
#35
 Dibromofluoromethane
 Concen: 48.454 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.1	123.1
192	22.3	17.2	25.8

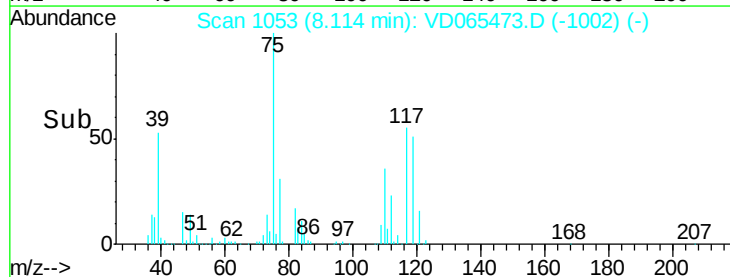
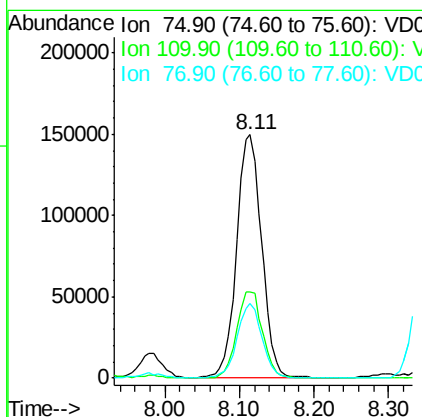
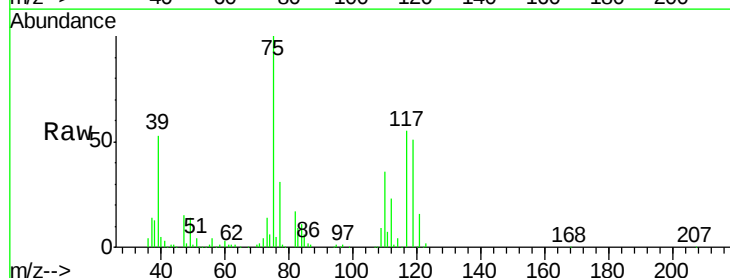
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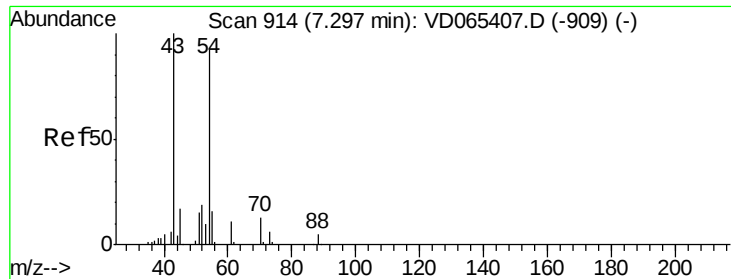
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#36
 1,1-Dichloropropene
 Concen: 53.386 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.1	54.1
77	30.7	25.2	37.8





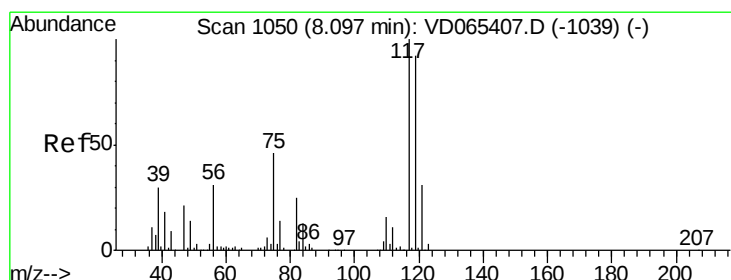
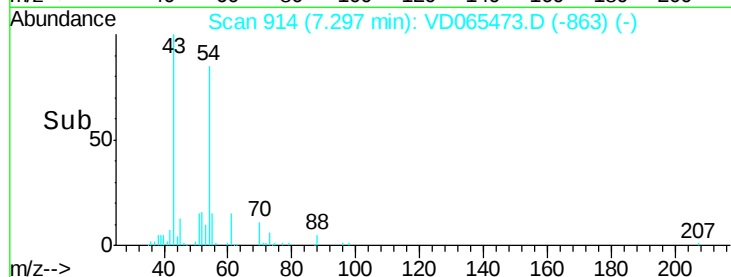
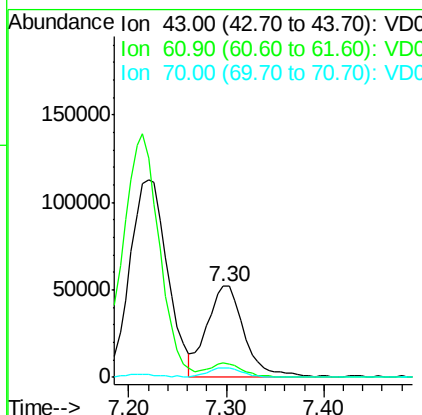
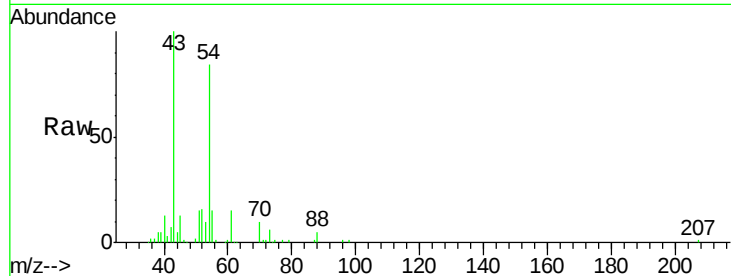
#37
Ethyl Acetate
Concen: 53.897 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.4	17.0
70	10.0	9.0	13.4

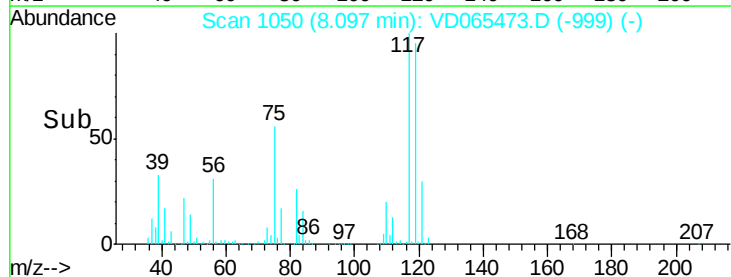
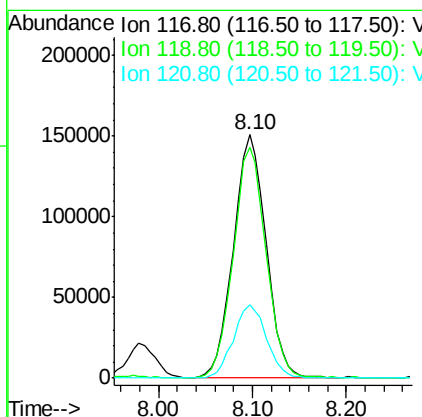
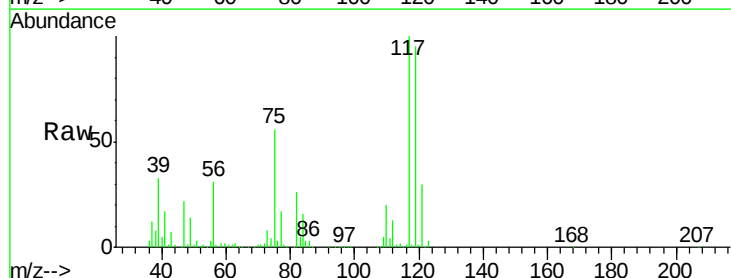
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#38
Carbon Tetrachloride
Concen: 53.359 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	73.3	109.9
121	30.3	25.0	37.4





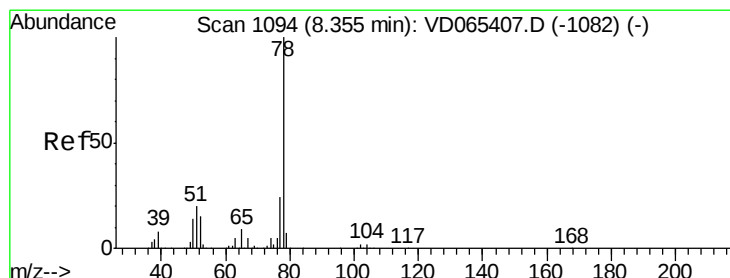
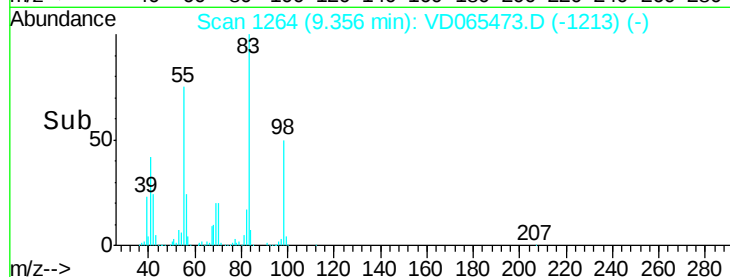
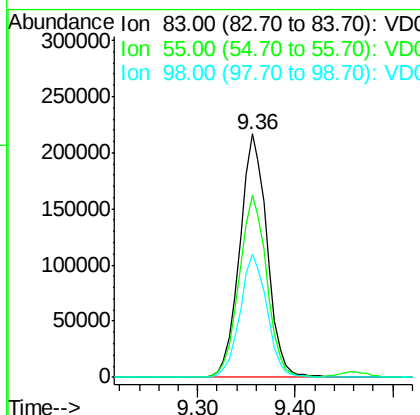
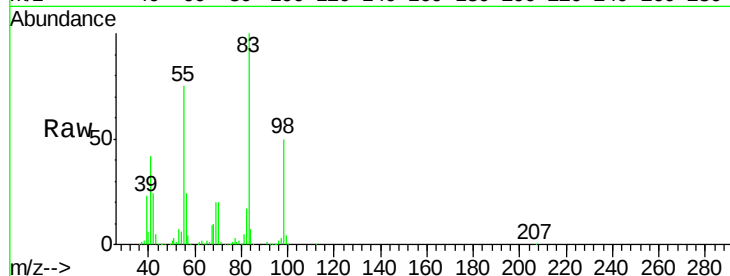
#39
Methvlcvclohexane
Concen: 53.633 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	57.1	85.7
98	50.5	37.8	56.8

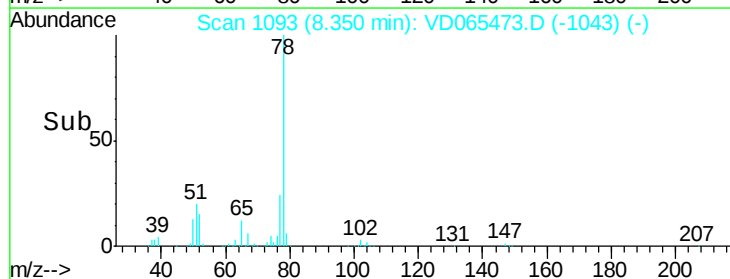
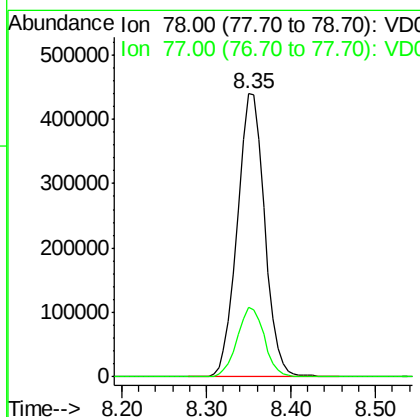
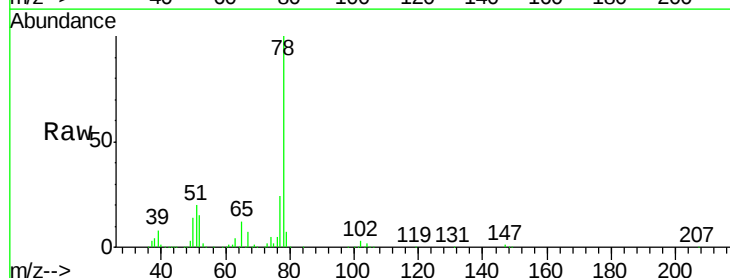
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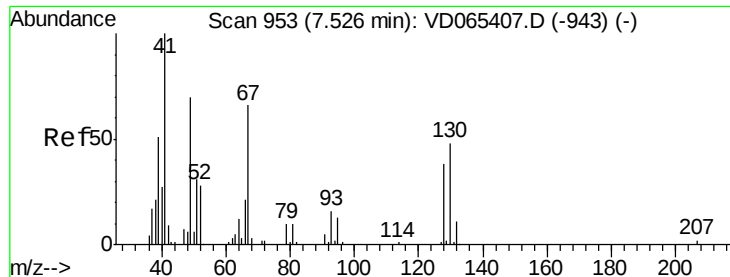
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#40
Benzene
Concen: 53.938 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.4	29.0





#41

Methacrylonitrile

Concen: 59.299 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 79288

Ion Ratio Lower Upper

41 100

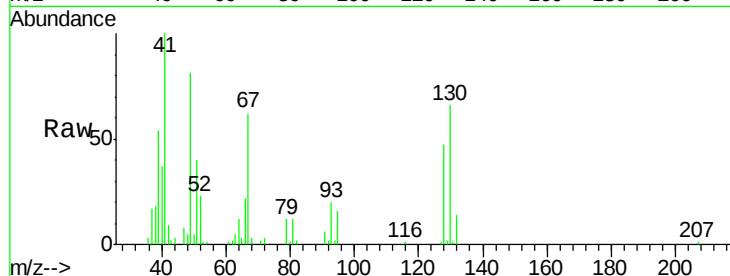
39 52.4 55.0 82.6#

67 68.4 70.3 105.5#

52 27.9 30.7 46.1#

Manual Integrations
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3/13/2020 9:49:33 AM

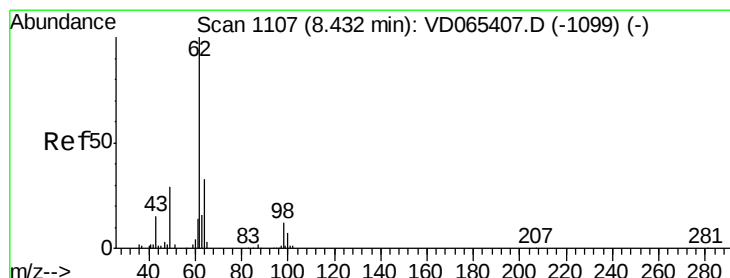
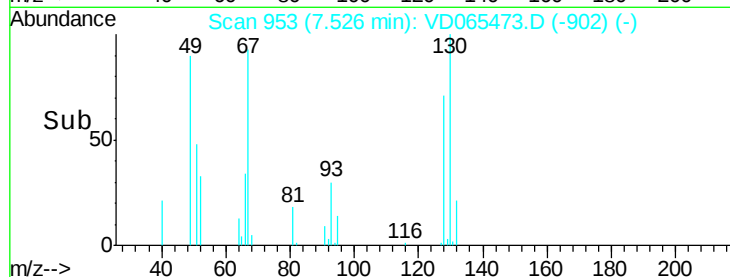
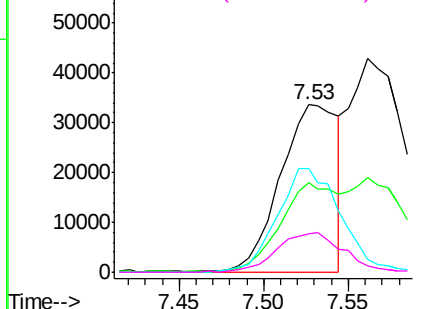


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 53.517 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065473.D

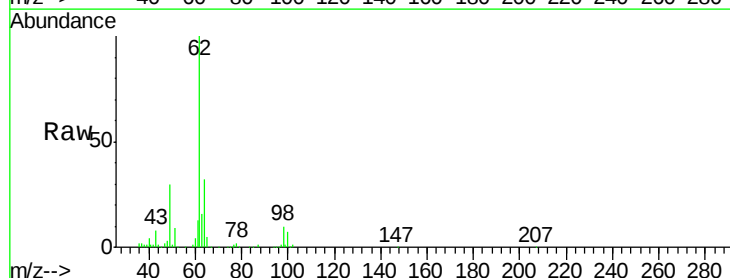
Acq: 11 Mar 2020 10:56

Tgt Ion: 62 Resp: 255584

Ion Ratio Lower Upper

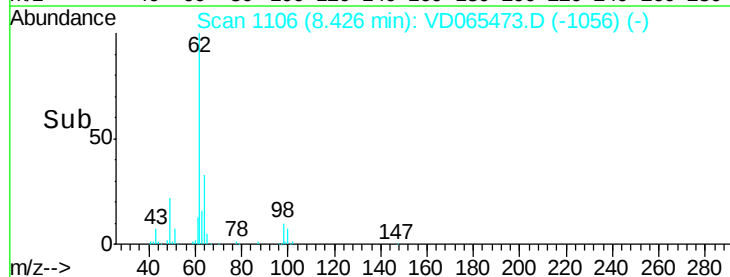
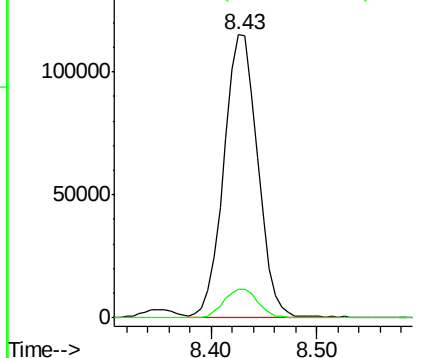
62 100

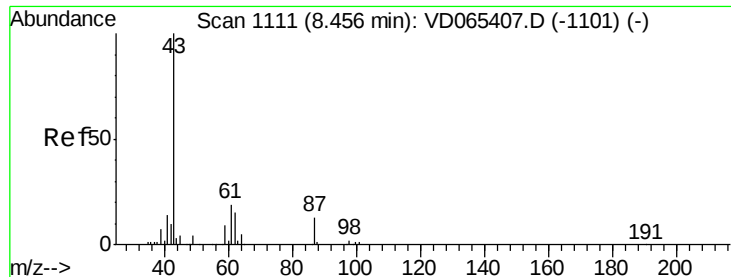
98 10.4 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





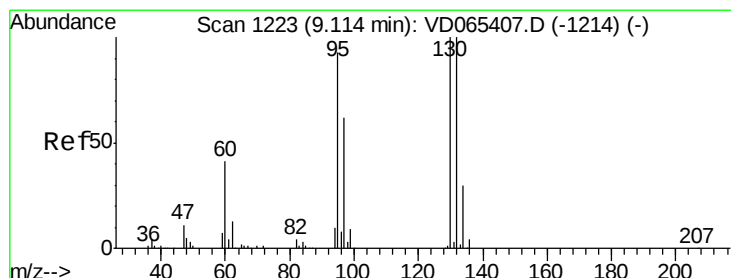
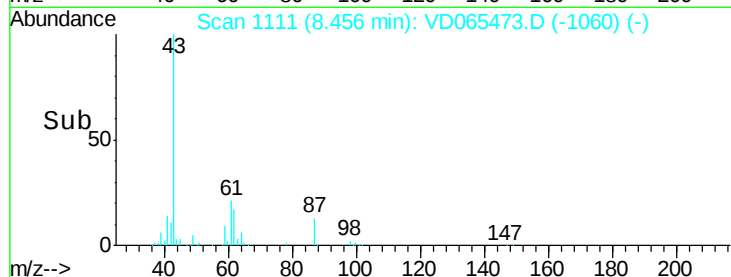
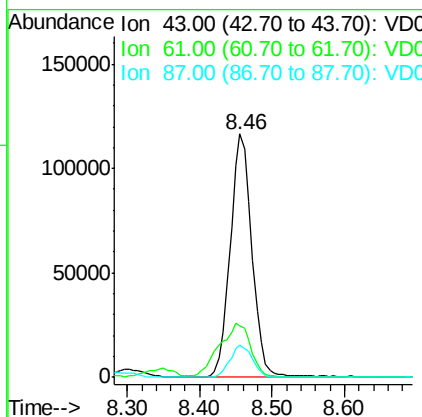
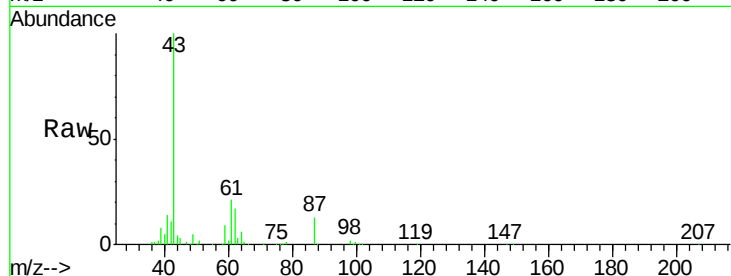
#43
Isopropyl Acetate
Concen: 52.179 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.1	25.0	37.6
87	13.5	11.0	16.4

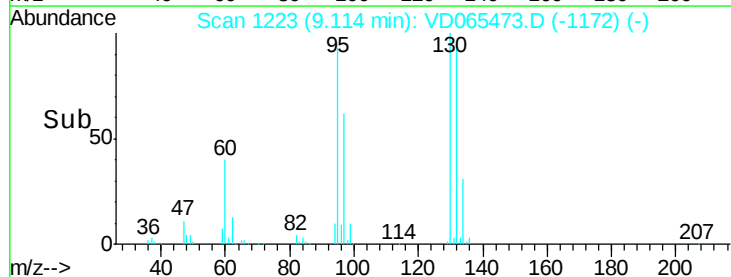
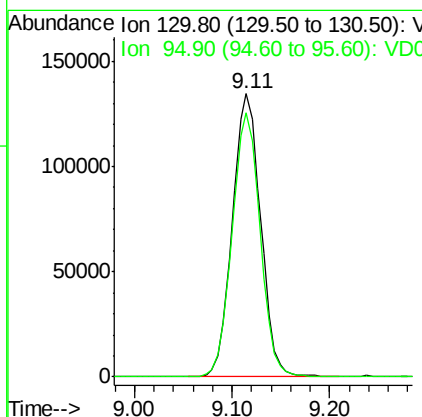
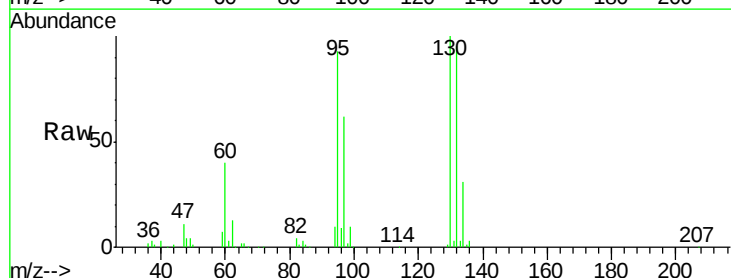
Manual Integrations
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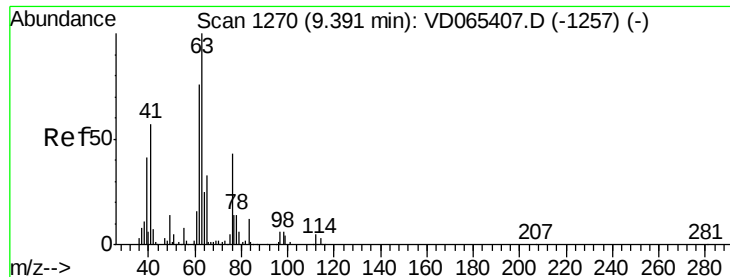
MMDadoda
3/13/2020 9:49:33 AM



#44
Trichloroethene
Concen: 52.444 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	186.0





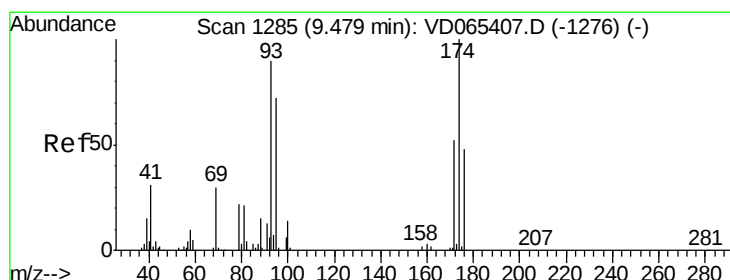
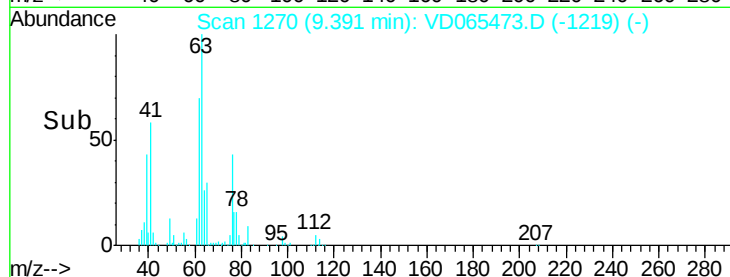
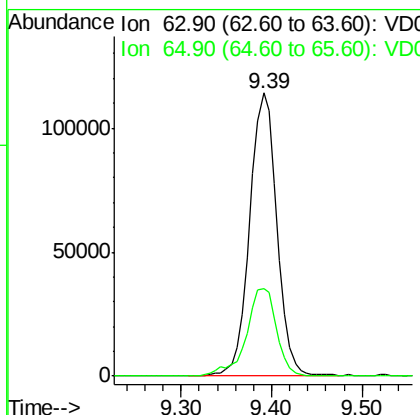
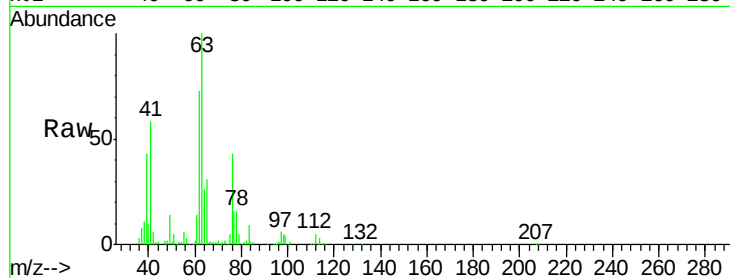
#45
 1,2-Dichloropropane
 Concen: 53.667 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	26.4	39.6

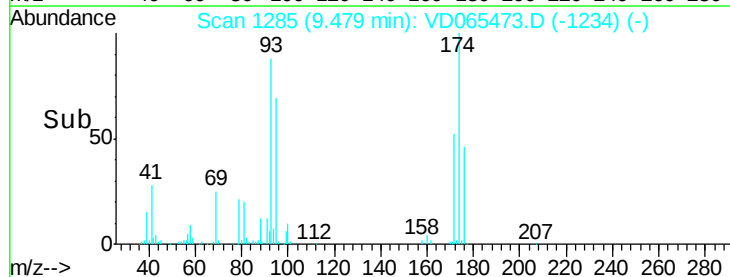
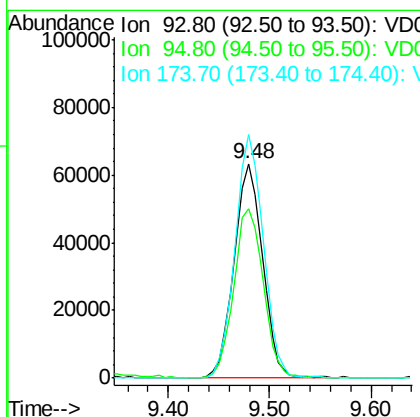
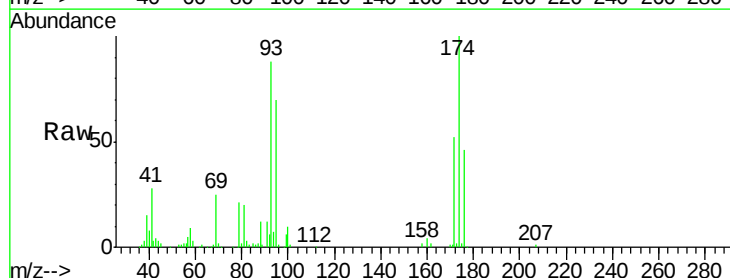
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 3/13/2020 9:49:33 AM



#46
 Dibromomethane
 Concen: 54.367 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.3	65.0	97.6
174	112.5	88.3	132.5





#47

Bromodichloromethane

Concen: 54.069 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

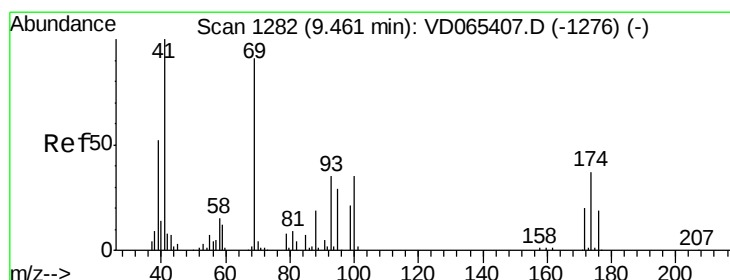
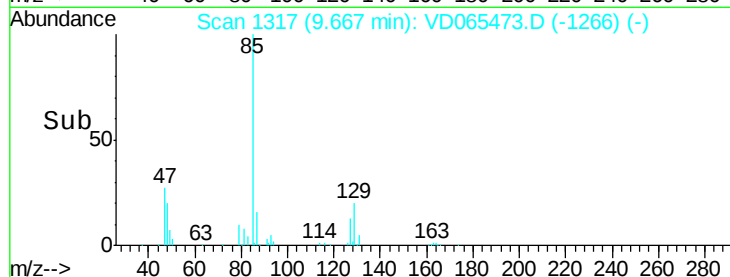
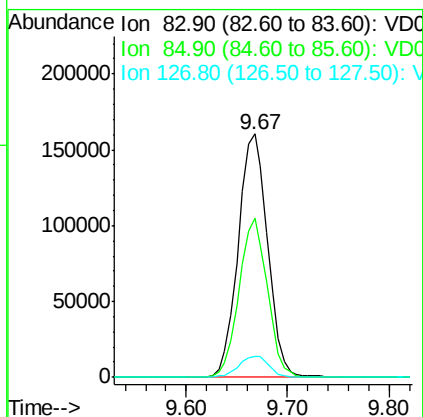
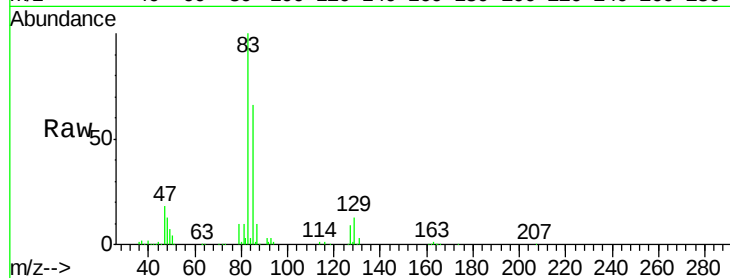
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	323236
Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.8	79.2
127	8.7	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 57.755 ug/l

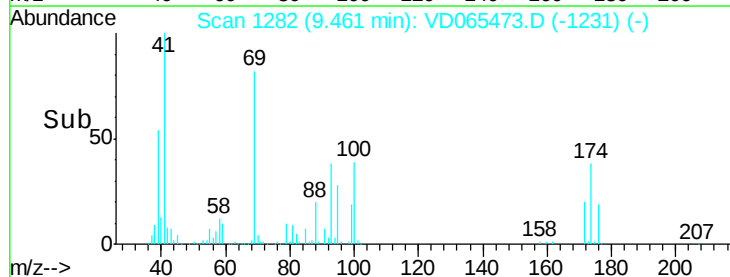
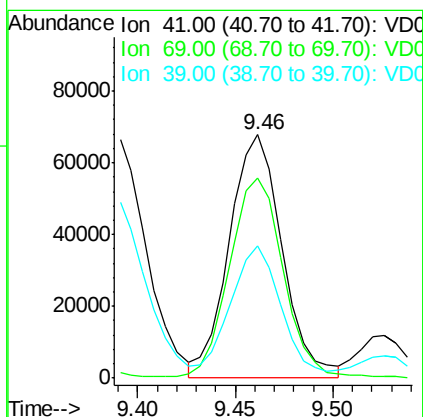
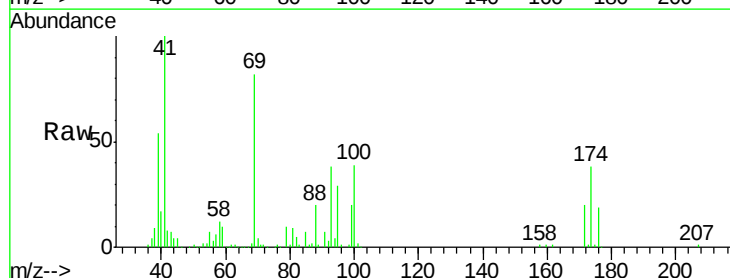
RT: 9.46 min Scan# 1282

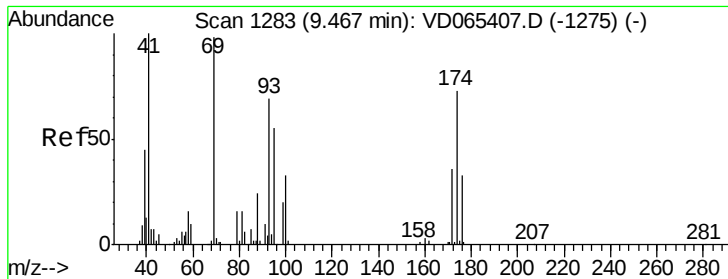
Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Tgt Ion:	41	Resp:	126825
Ion	Ratio	Lower	Upper
41	100		
69	84.4	72.5	108.7
39	47.6	41.6	62.4





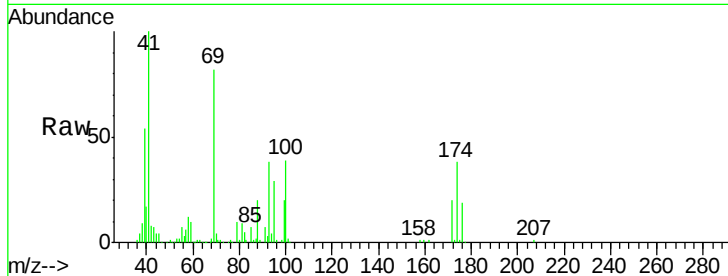
#49
1,4-Dioxane
Concen: 1106.287 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

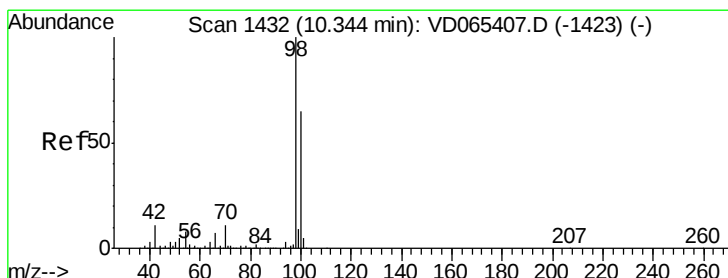
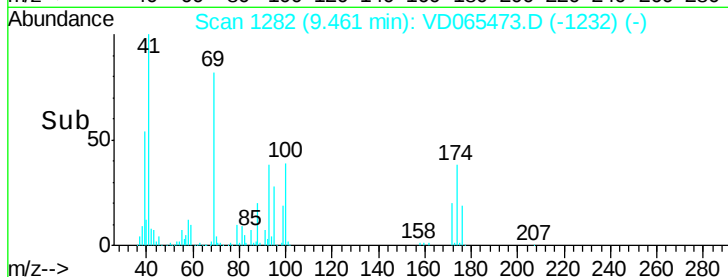
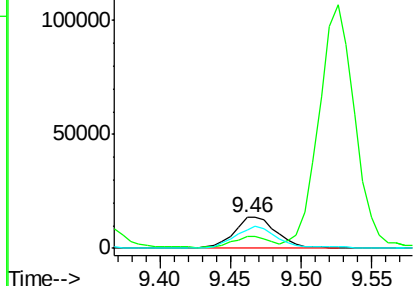
Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	24.5	36.7
58	67.8	54.5	81.7

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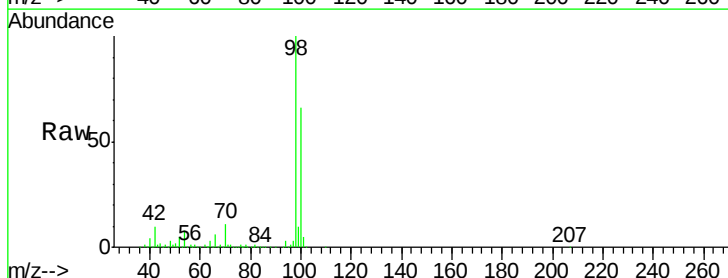


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

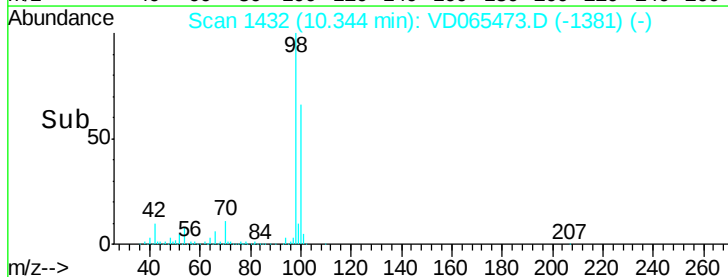
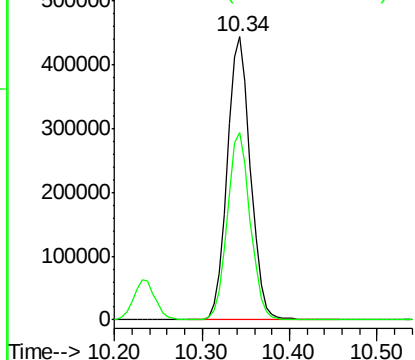


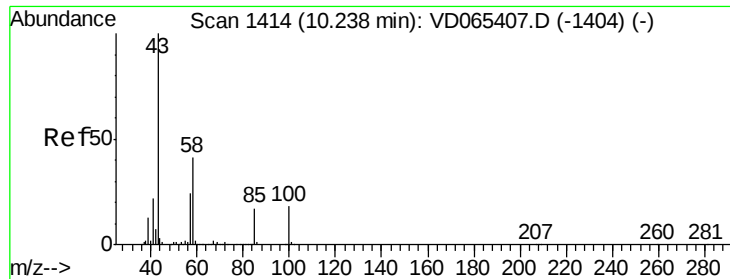
#50
Toluene-d8
Concen: 49.721 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	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: 276.191 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 648823

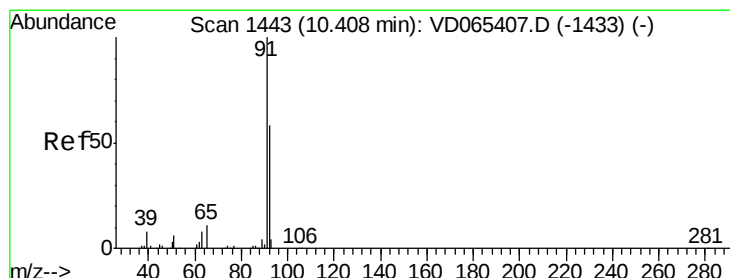
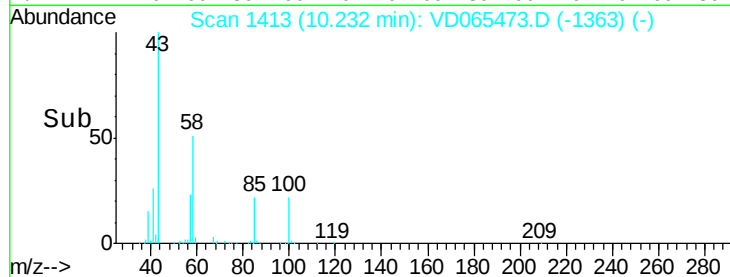
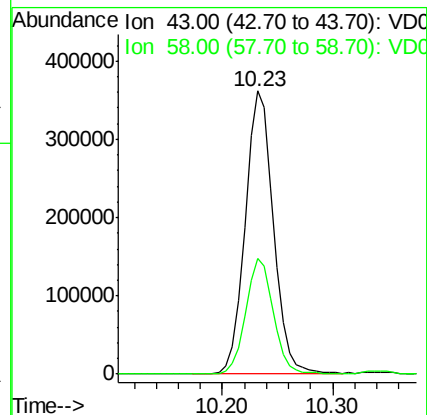
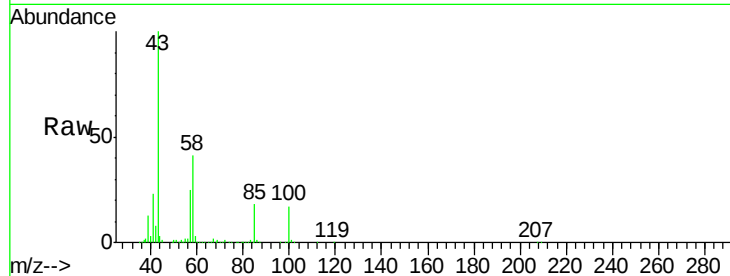
Ion Ratio Lower Upper

43 100

58 40.1 31.8 47.6

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#52

Toluene

Concen: 54.647 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065473.D

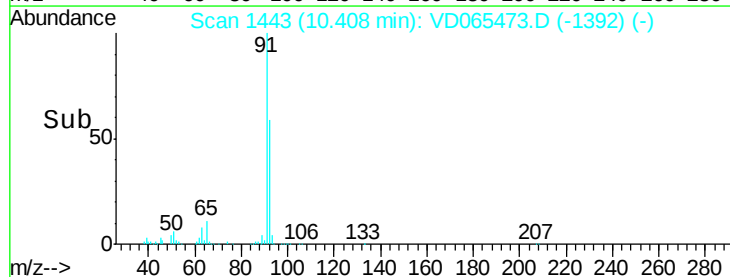
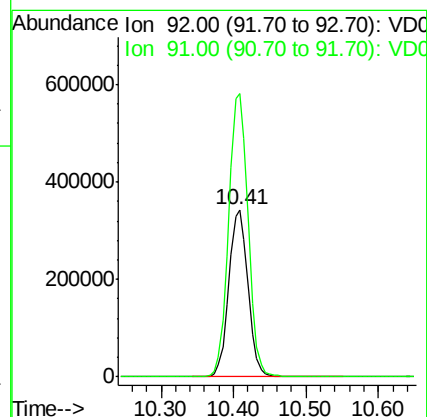
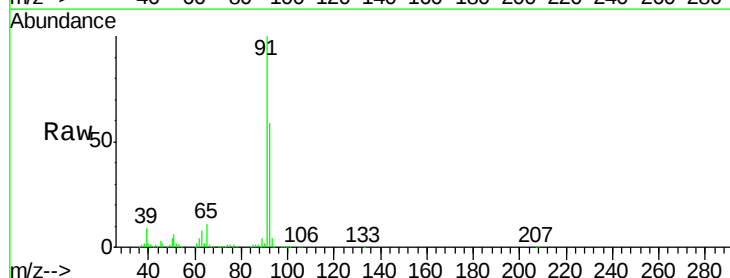
Acq: 11 Mar 2020 10:56

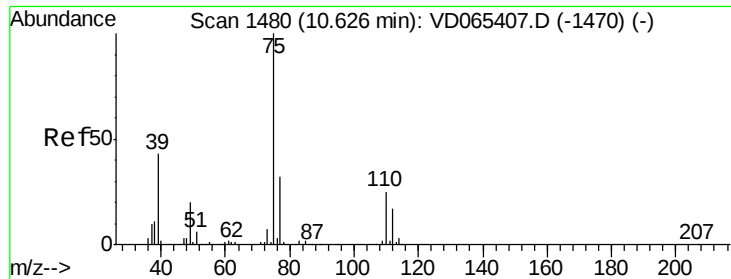
Tgt Ion: 92 Resp: 629614

Ion Ratio Lower Upper

92 100

91 171.7 137.8 206.8





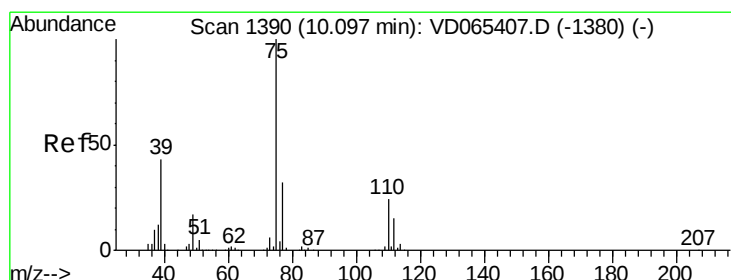
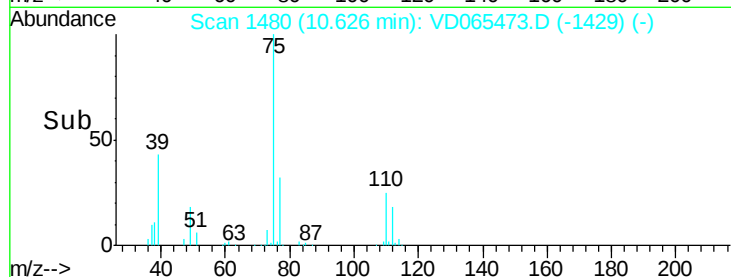
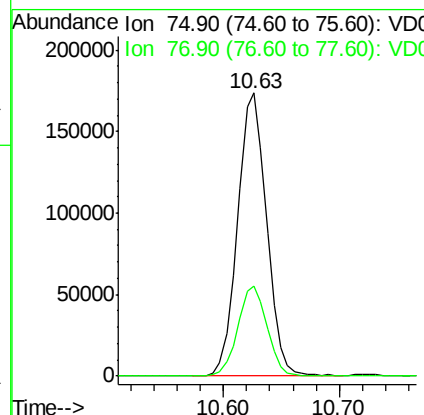
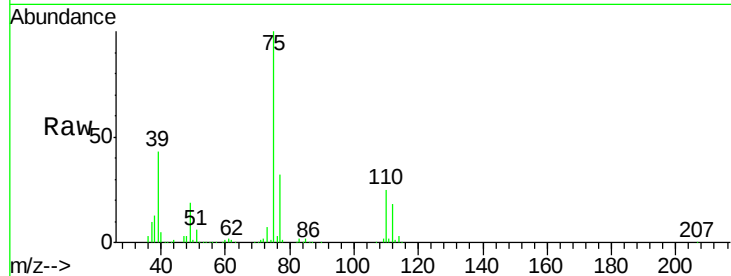
#53
t-1,3-Dichloropropene
Concen: 54.099 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 302236
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2

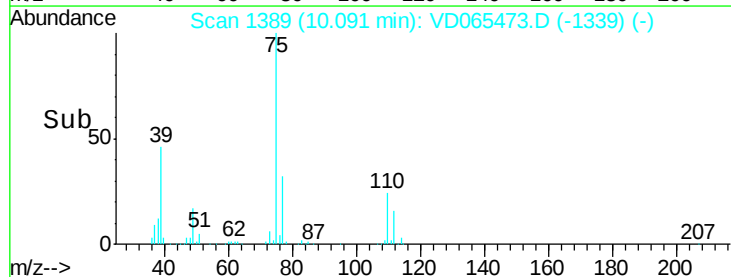
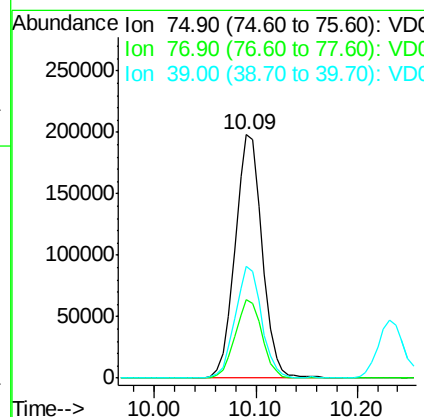
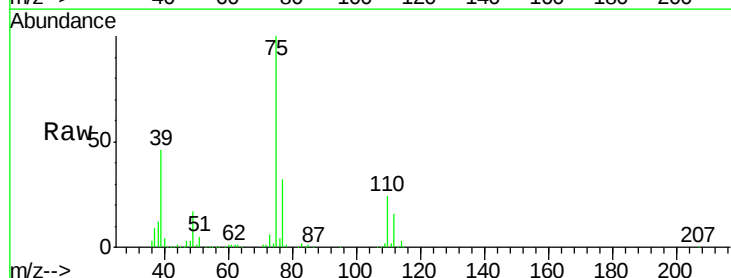
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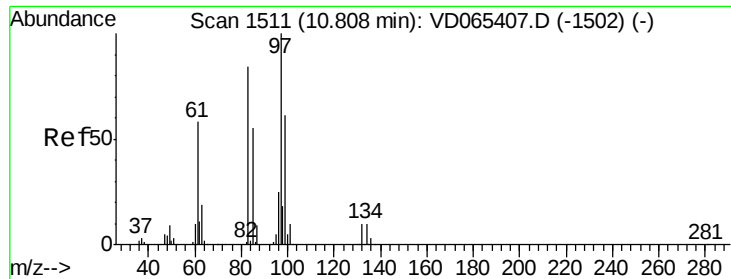
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#54
cis-1,3-Dichloropropene
Concen: 54.133 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion: 75 Resp: 366065
Ion Ratio Lower Upper
75 100
77 32.4 25.3 37.9
39 46.2 34.6 52.0





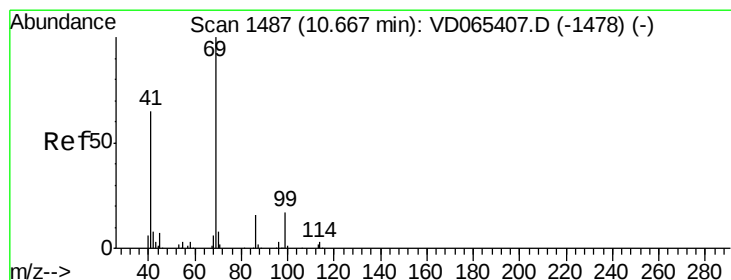
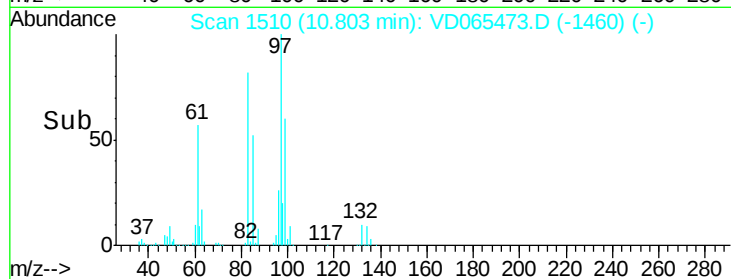
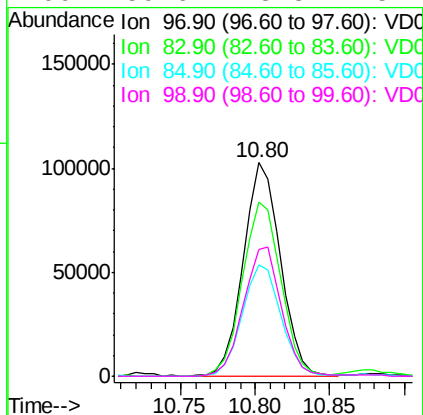
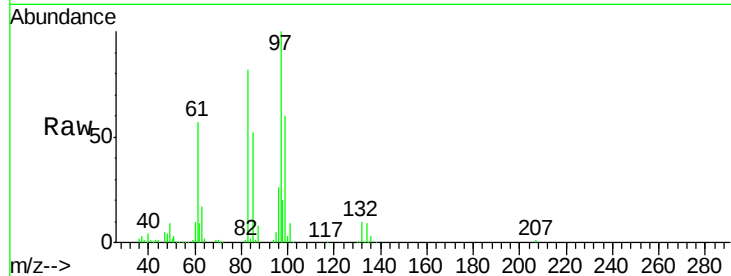
#55
 1,1,2-Trichloroethane
 Concen: 54.147 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		176232		
83	81.9	67.4	101.0		
85	52.2	43.8	65.8		
99	59.6	48.8	73.2		

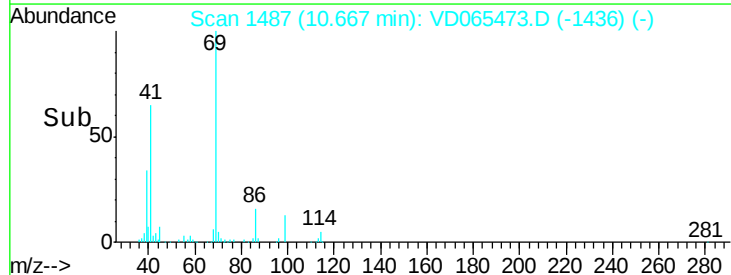
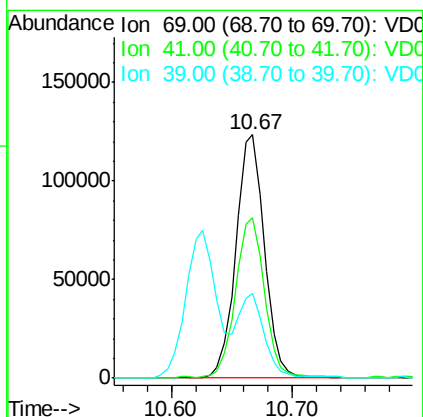
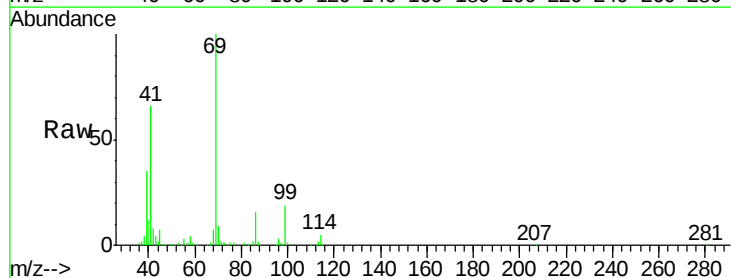
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#56
 Ethyl methacrylate
 Concen: 55.708 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		204400		
41	66.2	53.0	79.6		
39	30.8	26.0	39.0		





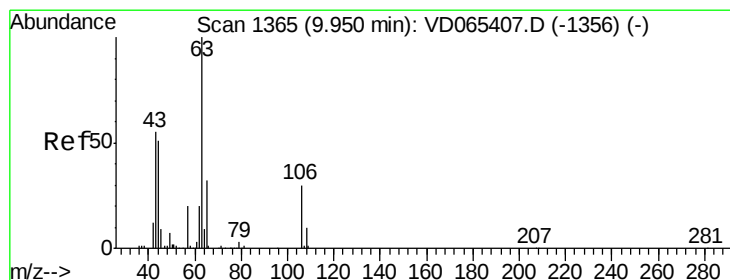
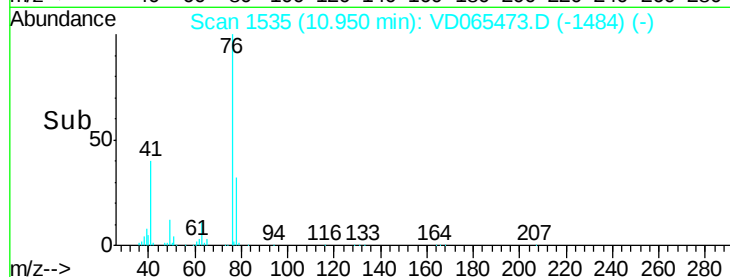
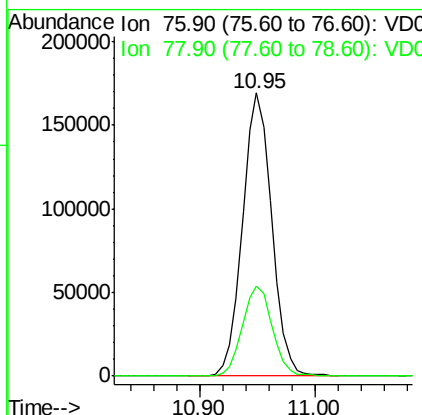
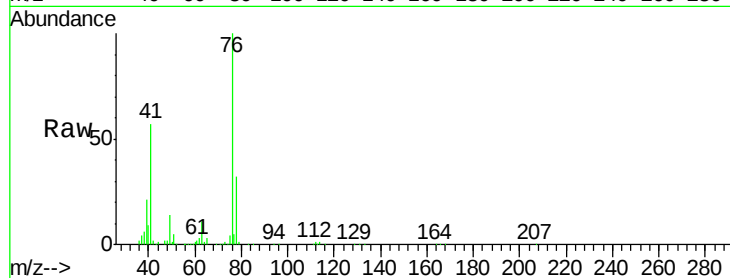
#57
 1,3-Dichloropropane
 Concen: 54.000 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.0	39.0

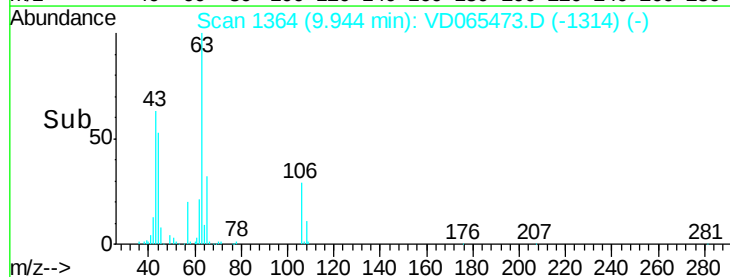
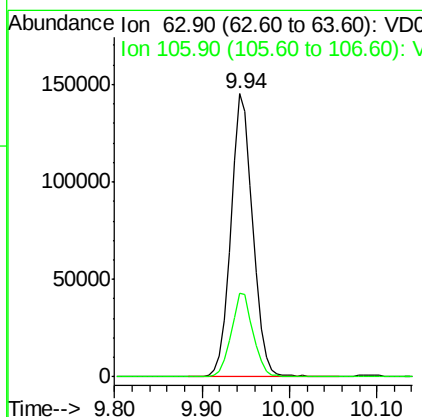
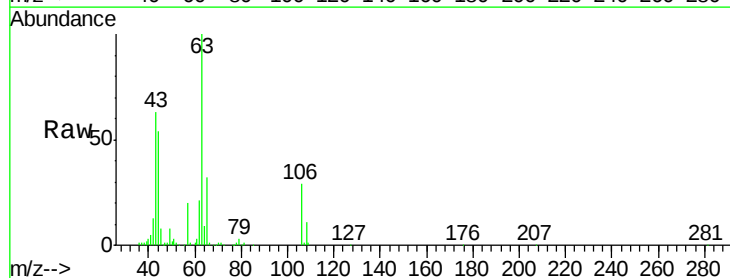
Manual Integrations
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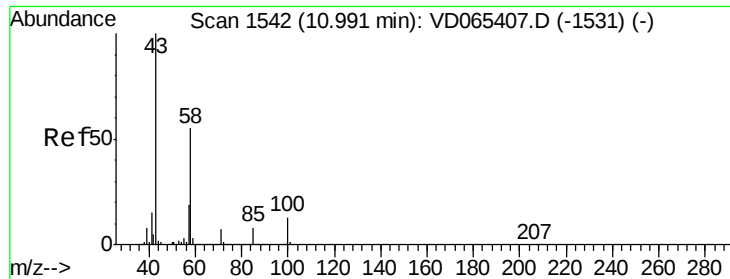
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#58
 2-Chloroethyl Vinyl ether
 Concen: 215.018 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.3	34.9





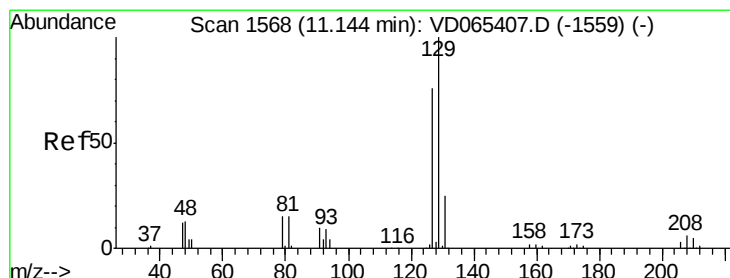
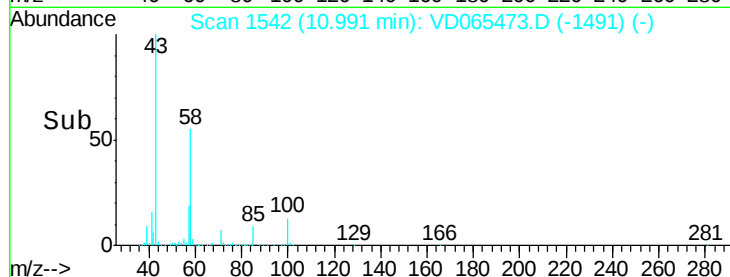
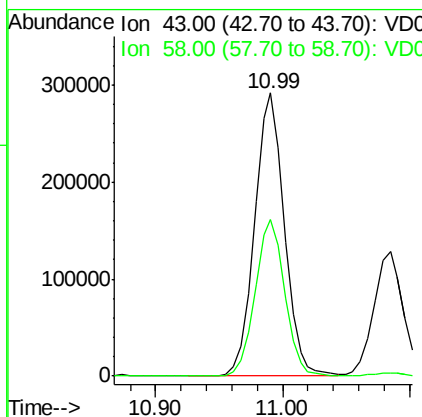
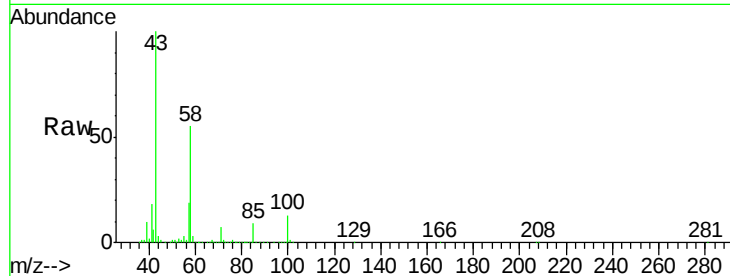
#59
2-Hexanone
Concen: 293.891 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 477926
Ion Ratio Lower Upper
43 100
58 55.1 27.4 82.2

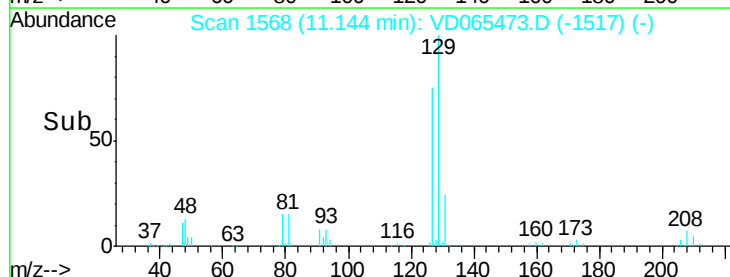
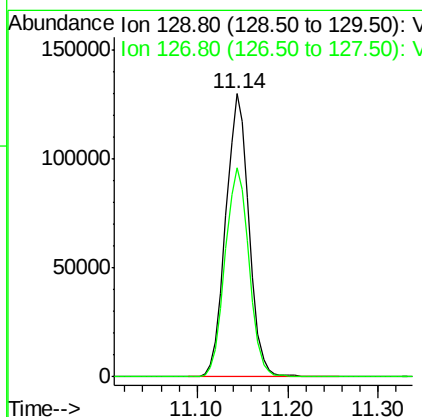
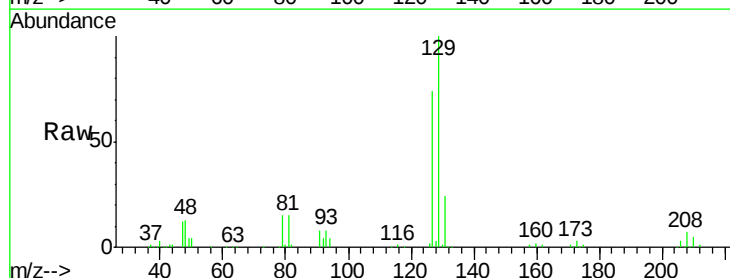
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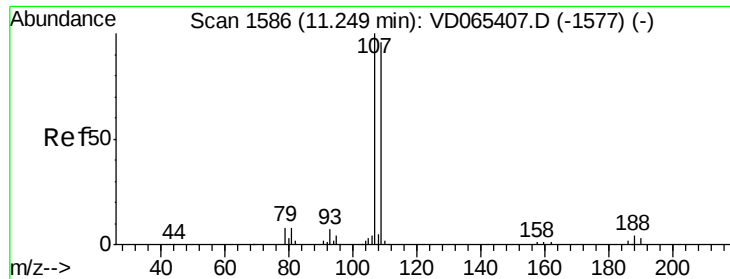
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3/13/2020 9:49:33 AM



#60
Dibromochloromethane
Concen: 55.348 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion: 129 Resp: 230909
Ion Ratio Lower Upper
129 100
127 76.4 38.5 115.5





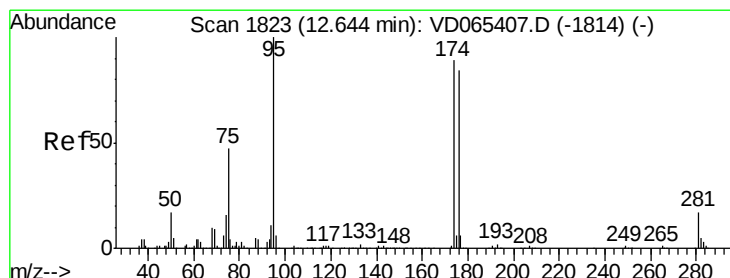
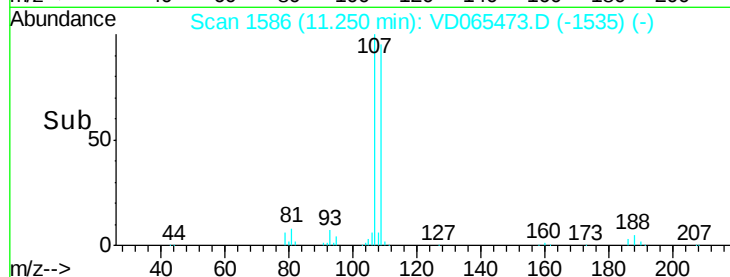
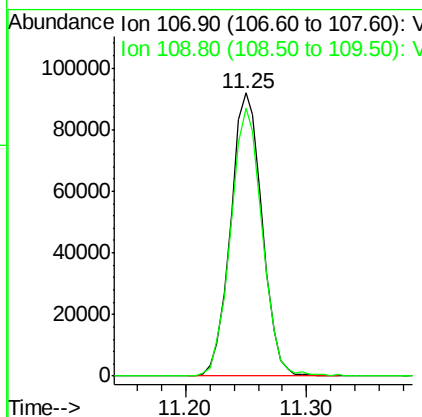
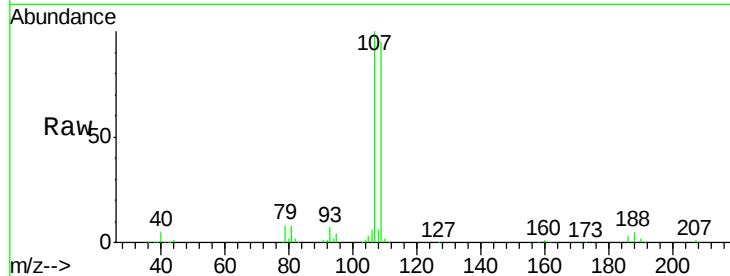
#61
 1,2-Dibromoethane
 Concen: 53.744 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	76.8	115.2

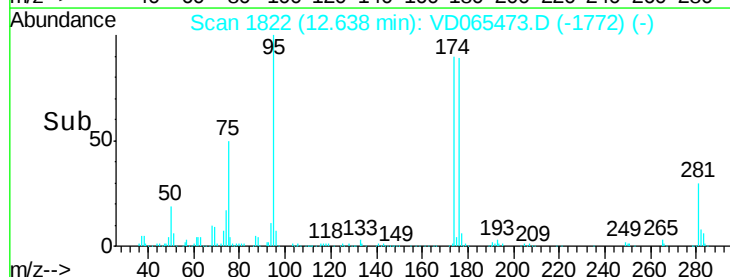
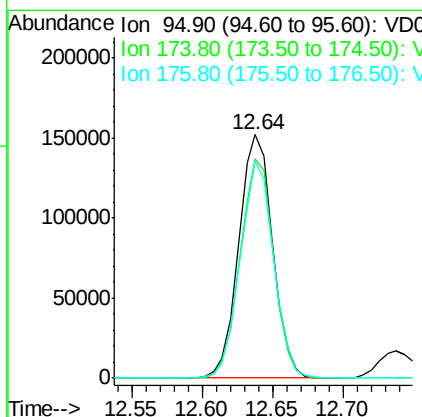
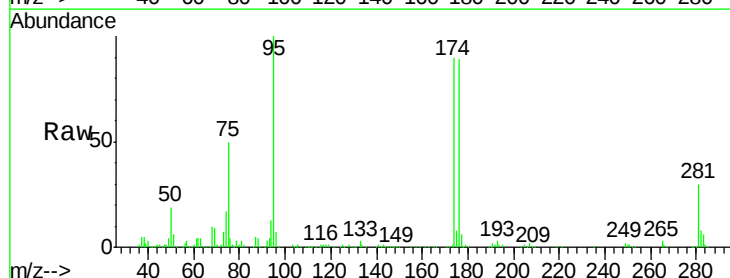
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#62
 4-Bromofluorobenzene
 Concen: 50.837 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.6	0.0	176.8
176	88.3	0.0	171.4





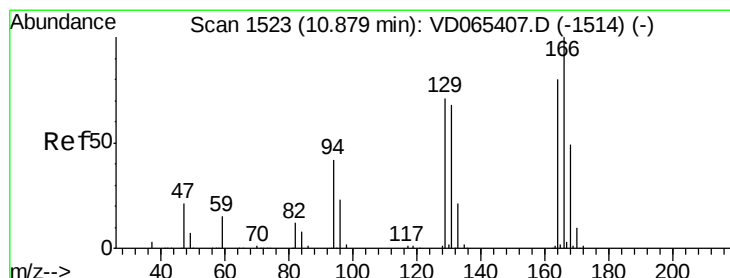
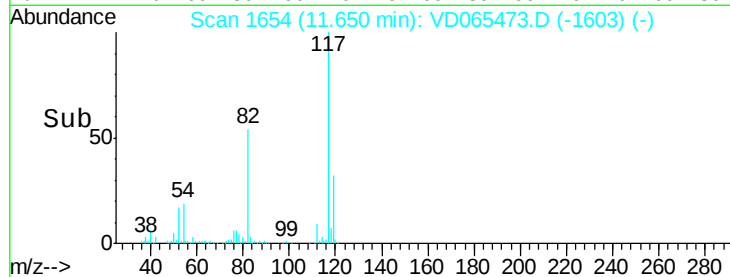
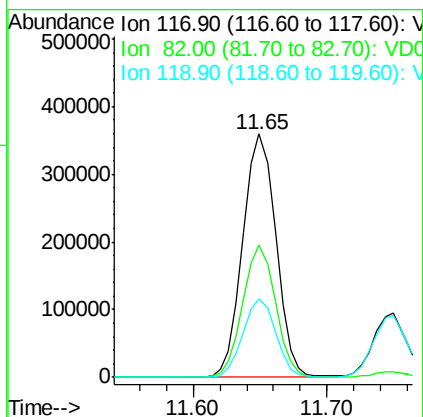
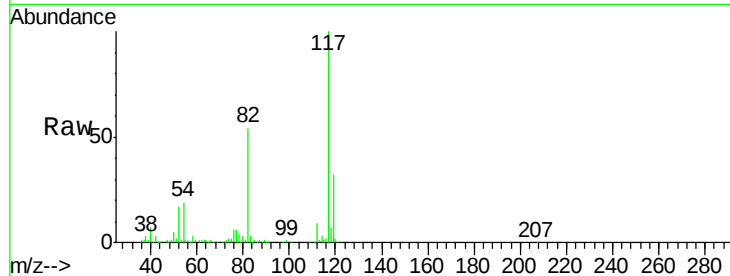
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	620387		
82	54.4		40.6	60.8
119	32.3		25.4	38.2

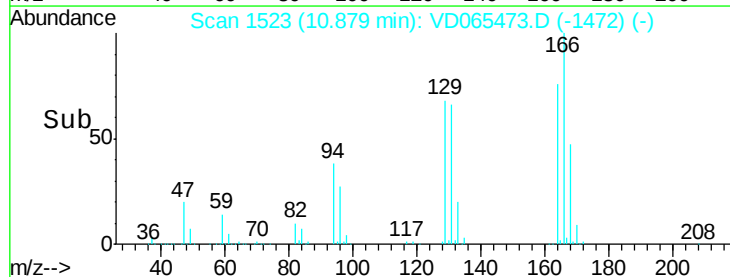
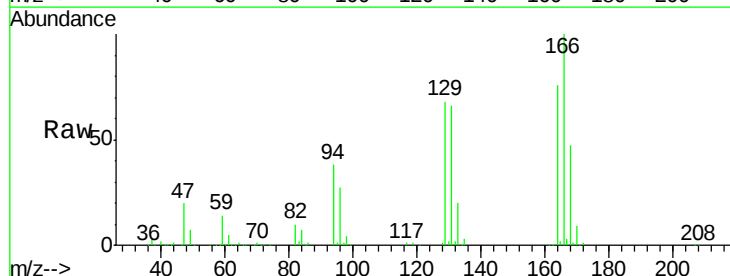
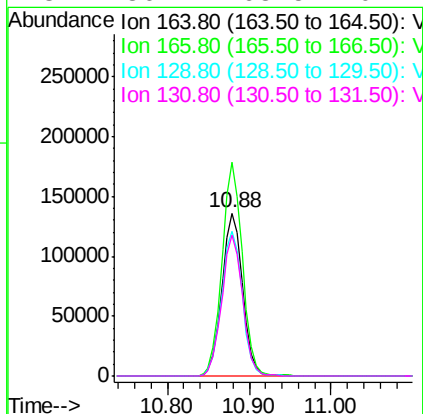
Manual Integrations
APPROVED

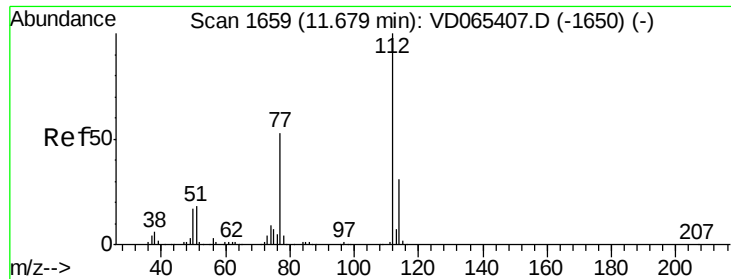
MMDadoda
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#64
Tetrachloroethene
Concen: 53.669 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	238581		
166	130.9		100.5	150.7
129	88.5		71.5	107.3
131	86.1		68.5	102.7





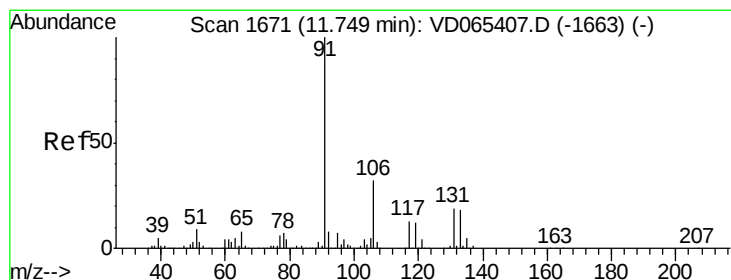
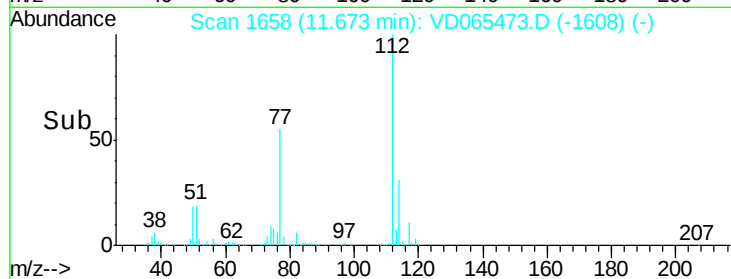
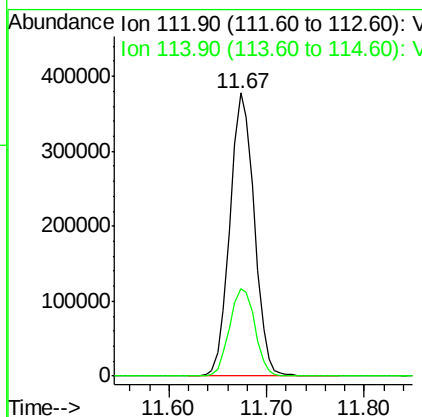
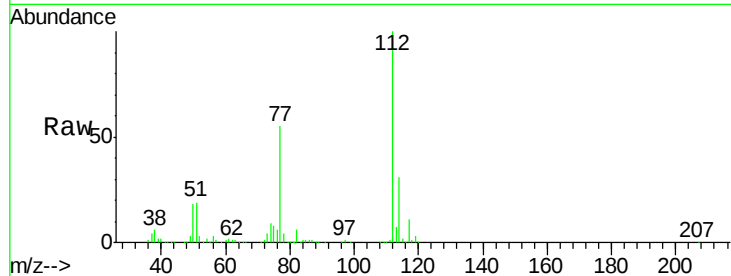
#65
Chlorobenzene
Concen: 53.338 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	24.4	36.6

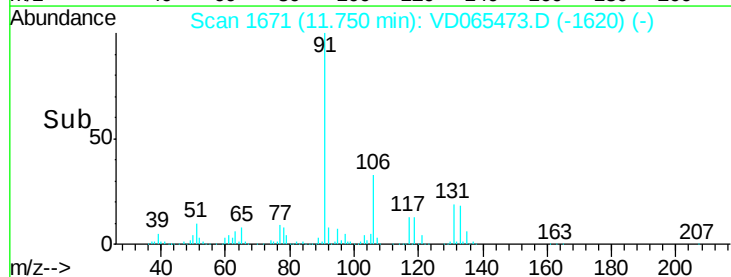
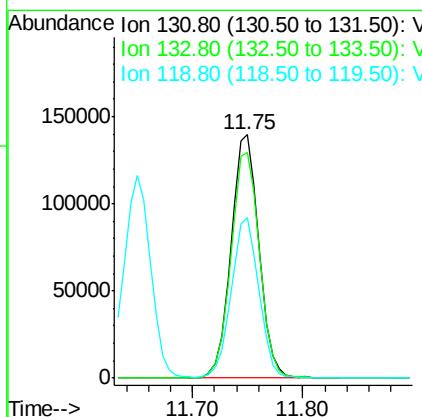
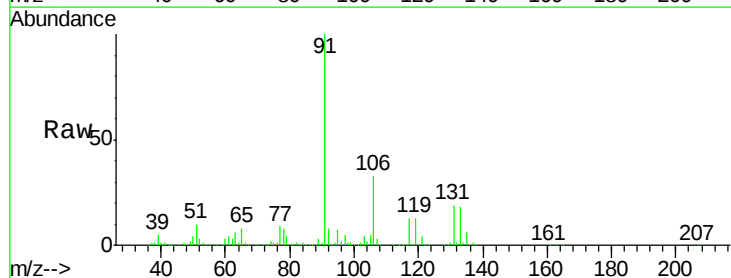
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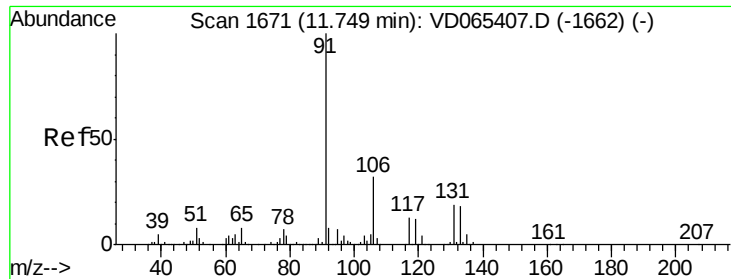
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.212 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	49.2	147.6
119	65.5	33.3	99.8





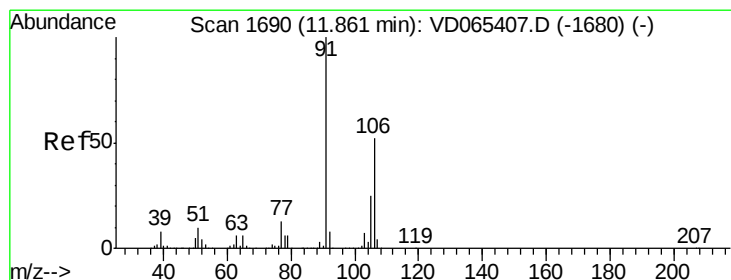
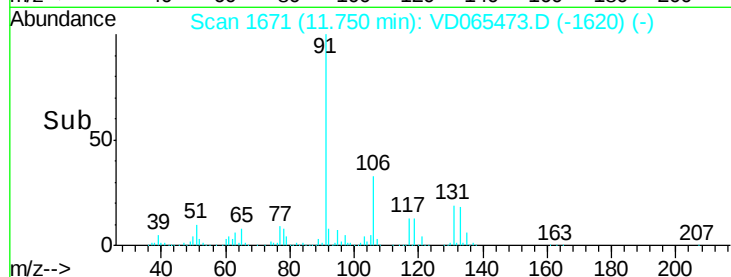
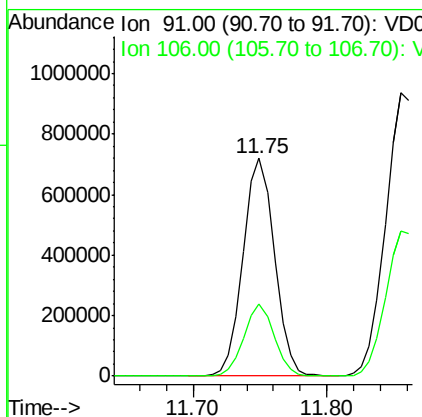
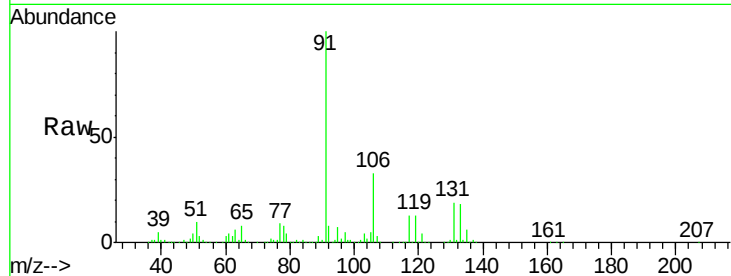
#67
Ethyl Benzene
Concen: 55.400 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1175201
Ion Ratio Lower Upper
91 100
106 33.0 25.2 37.8

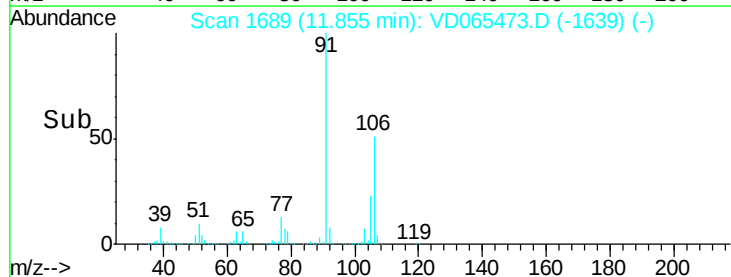
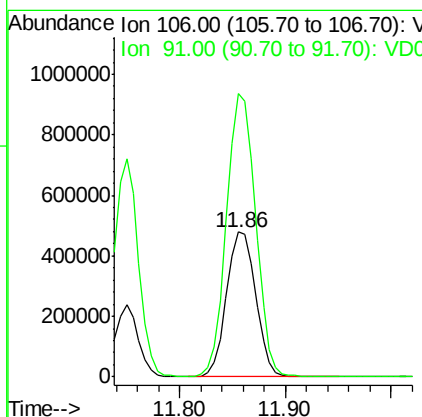
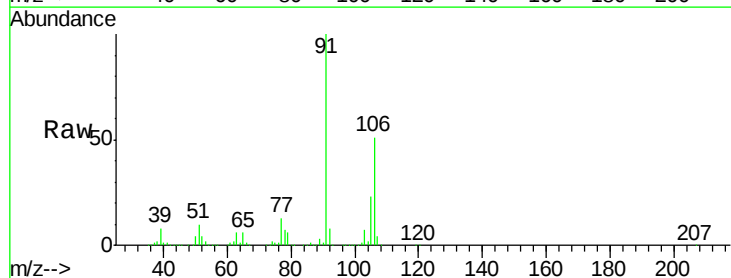
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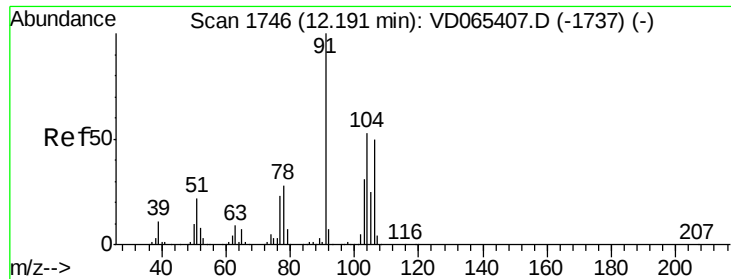
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#68
m/p-Xylenes
Concen: 111.900 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion: 106 Resp: 915275
Ion Ratio Lower Upper
106 100
91 195.2 155.9 233.9





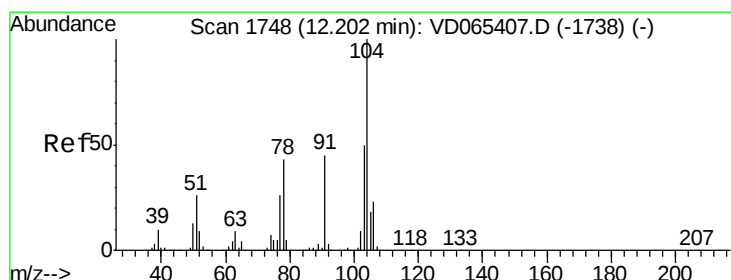
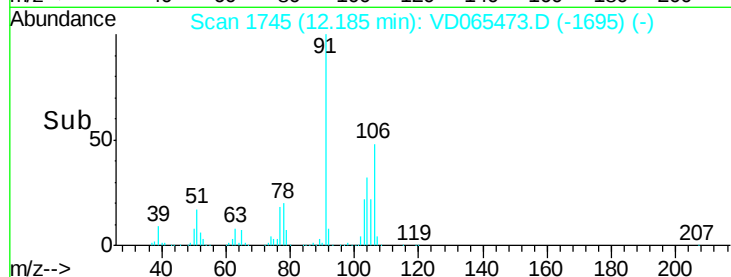
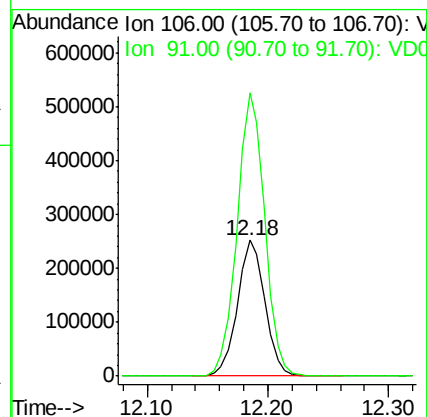
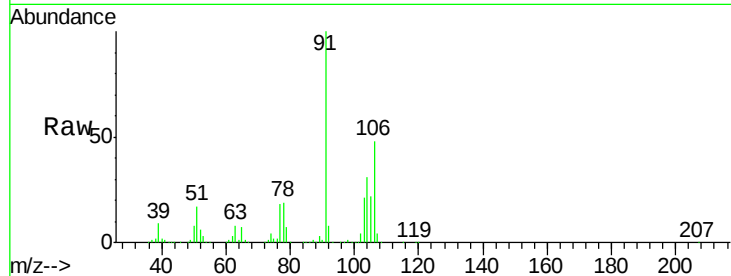
#69
o-Xylene
Concen: 55.598 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.5	103.5	310.3

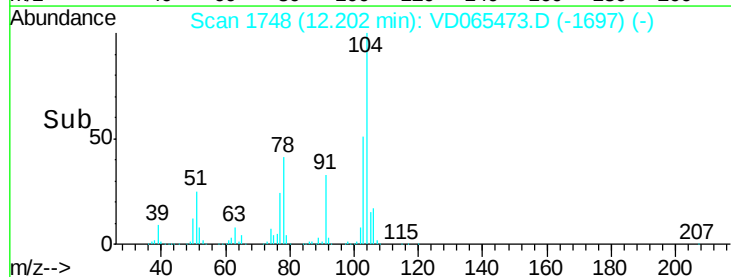
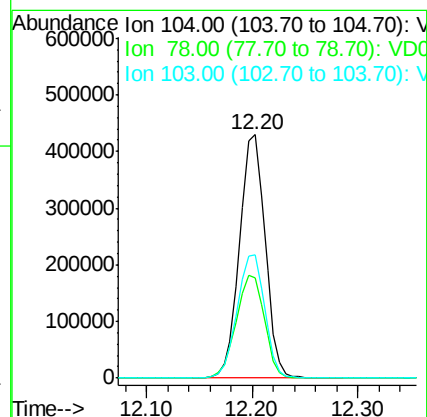
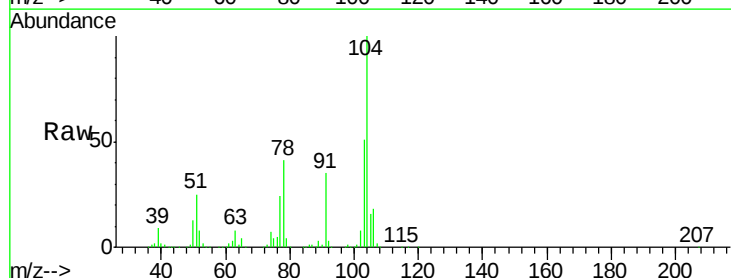
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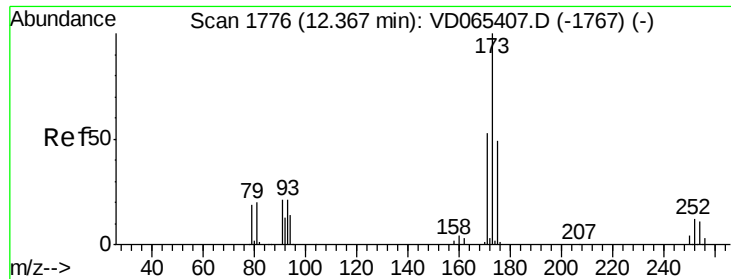
MMDadoda
3/13/2020 9:49:33 AM



#70
Styrene
Concen: 57.000 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.5	37.7	56.5
103	54.5	43.6	65.4





#71

Bromoform

Concen: 55.004 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

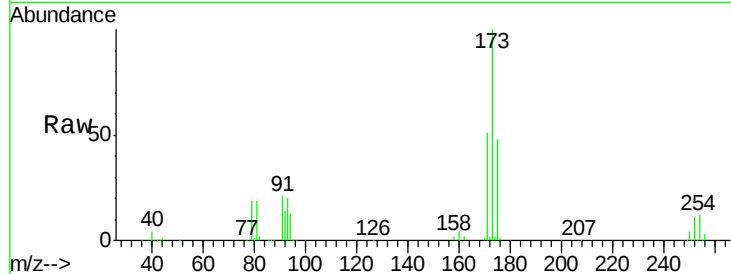
ClientSampleId :

VSTDCCC050

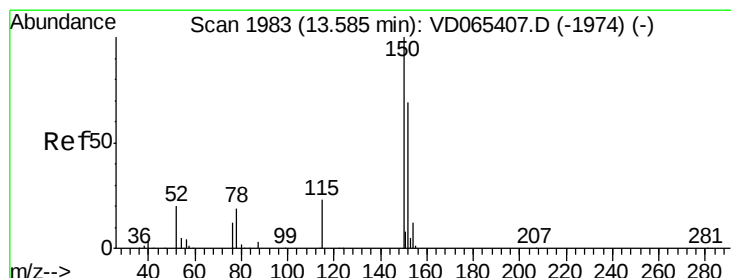
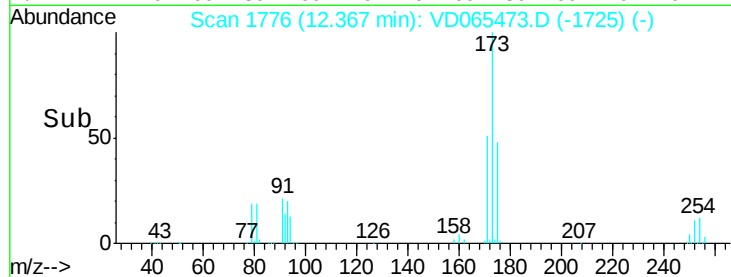
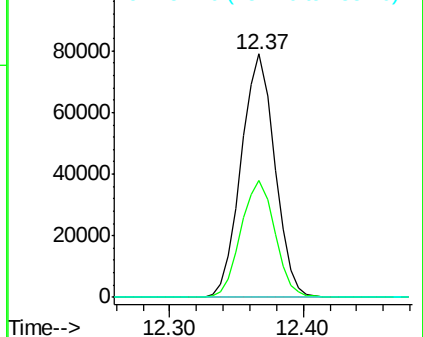
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	73.0
254	0.0	0.1	0.1

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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

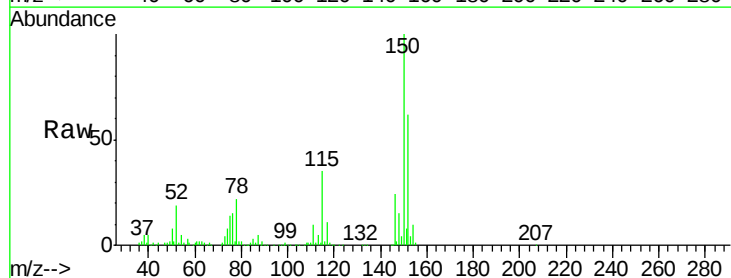
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

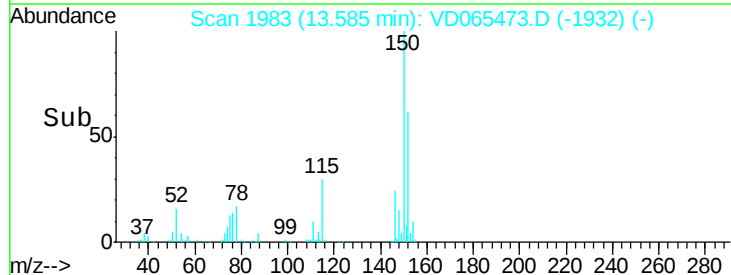
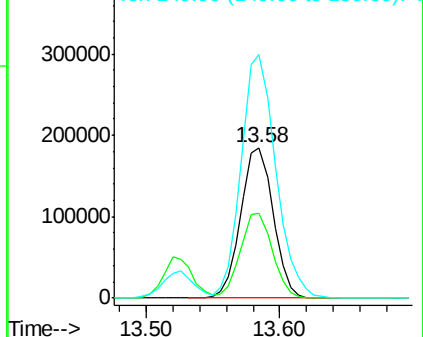
Lab File: VD065473.D

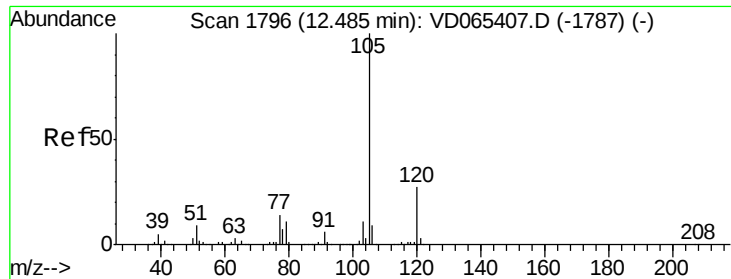
Acq: 11 Mar 2020 10:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.6	82.8
150	173.7	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: 55.073 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1122194

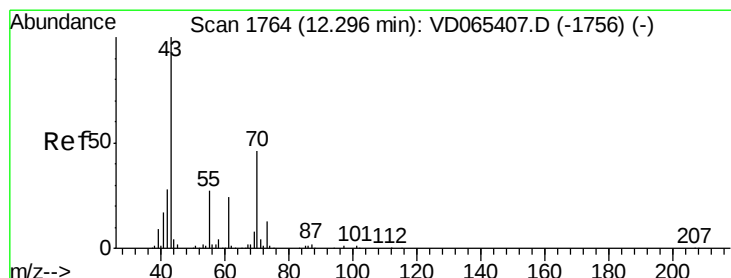
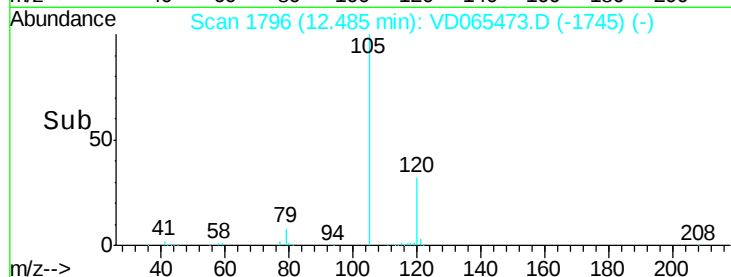
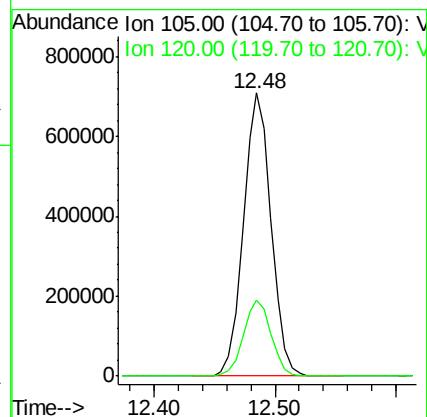
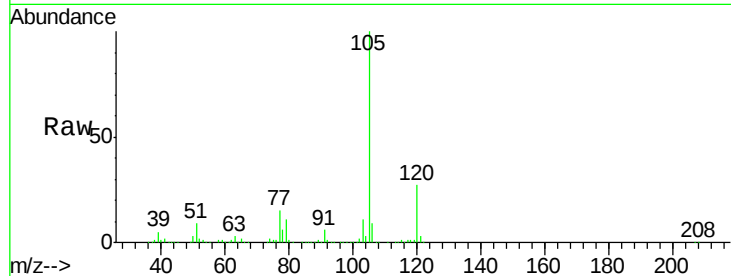
Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.4

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#74

N-ethyl acetate

Concen: 52.939 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Tgt Ion: 43 Resp: 220840

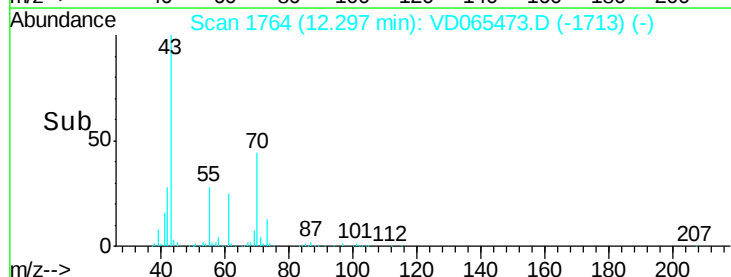
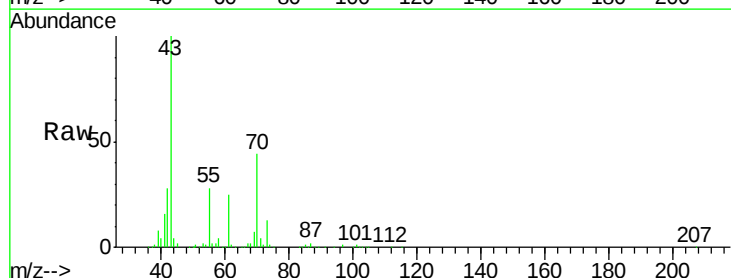
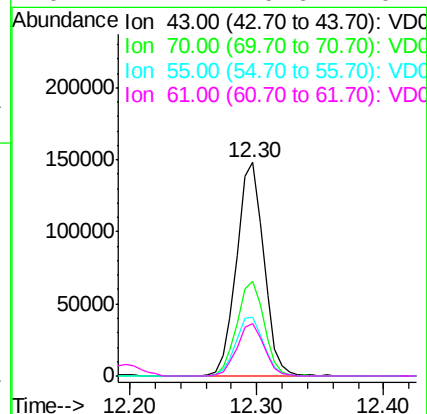
Ion Ratio Lower Upper

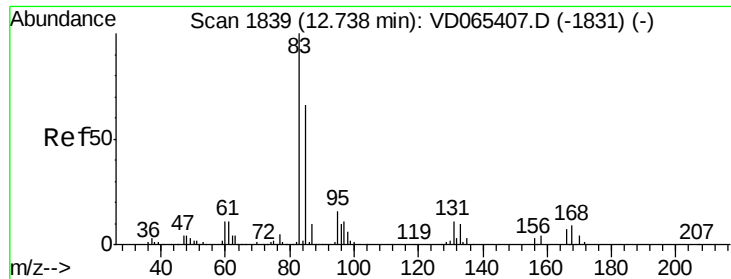
43 100

70 44.3 36.1 54.1

55 28.5 21.6 32.4

61 24.4 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 52.148 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

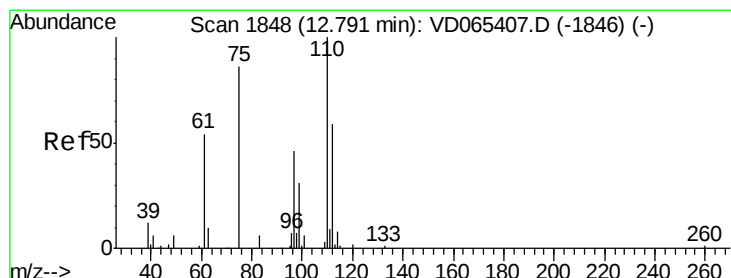
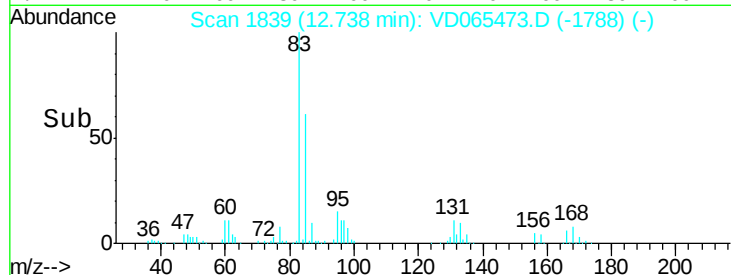
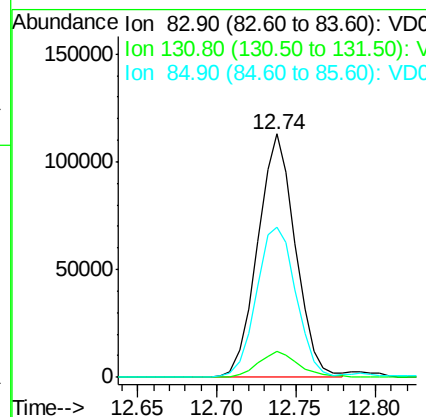
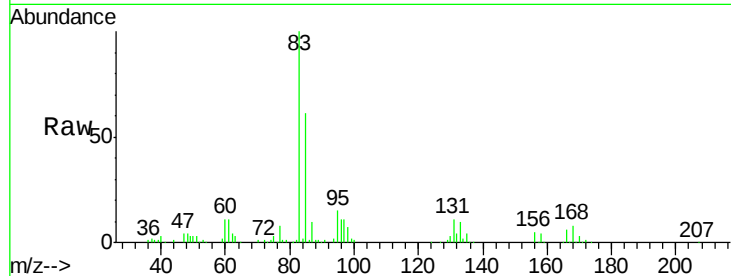
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	186779
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.4	16.2
85	65.0	33.0	98.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 59.665 ug/l m

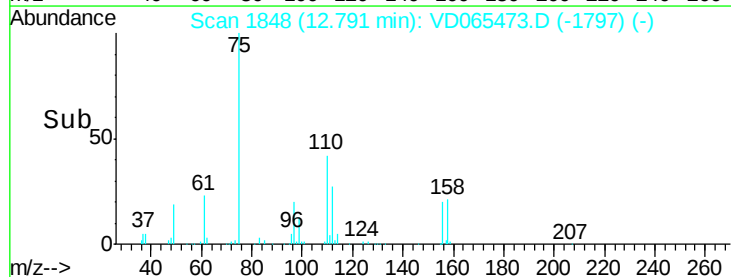
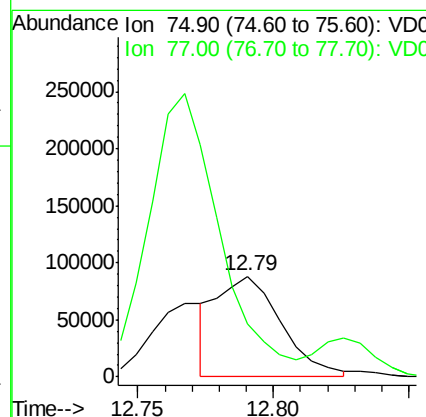
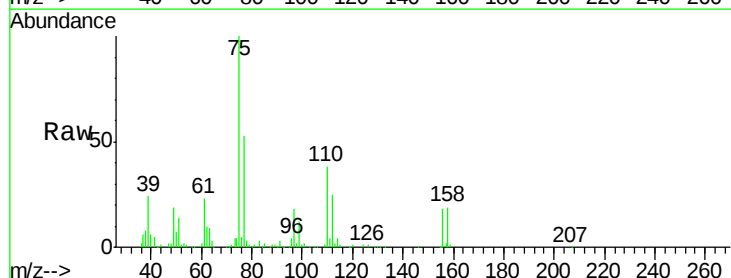
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Tgt Ion:	75	Resp:	145853
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.697 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 271846

Ion Ratio Lower Upper

156 100

77 168.0 84.9 254.6

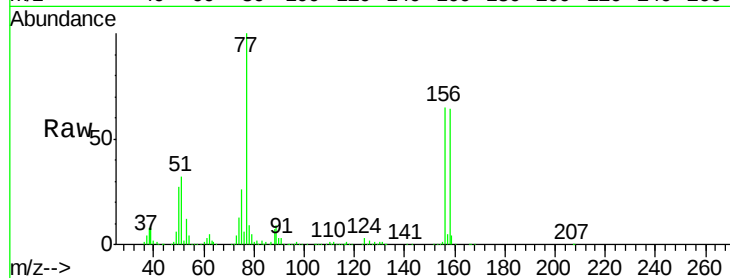
158 97.1 49.0 147.2

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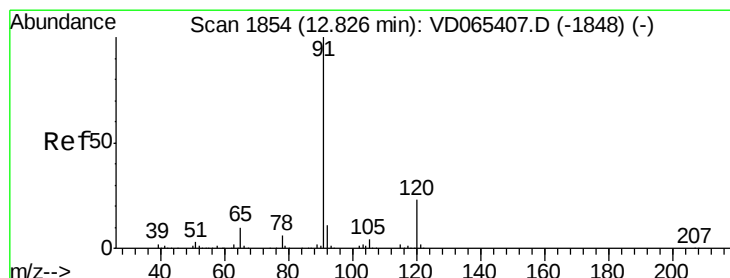
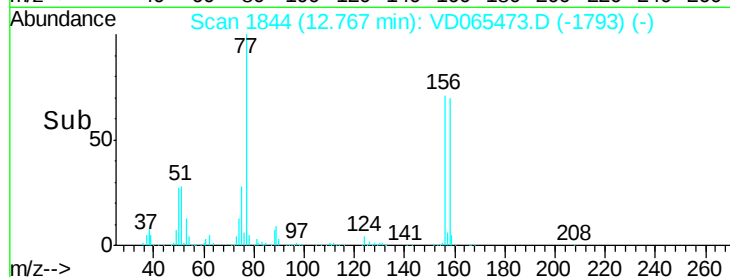
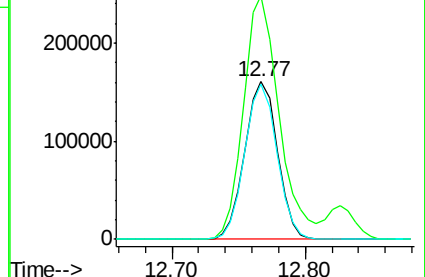
3/13/2020 9:49:33 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.354 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065473.D

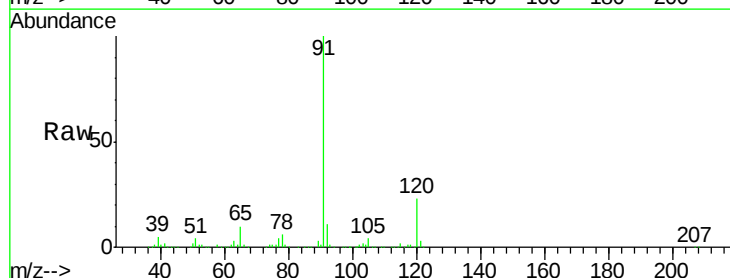
Acq: 11 Mar 2020 10:56

Tgt Ion: 91 Resp: 1338280

Ion Ratio Lower Upper

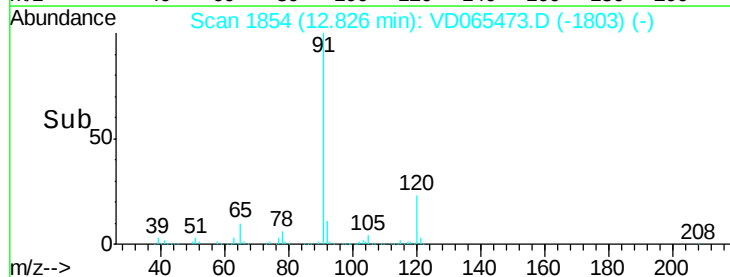
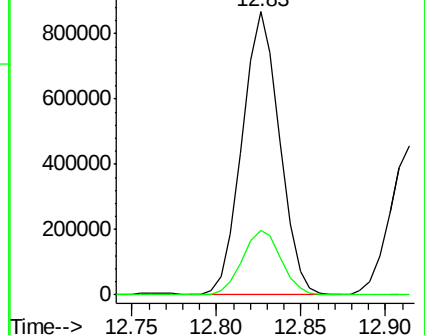
91 100

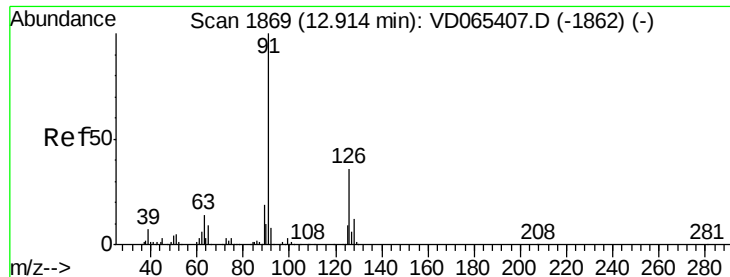
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





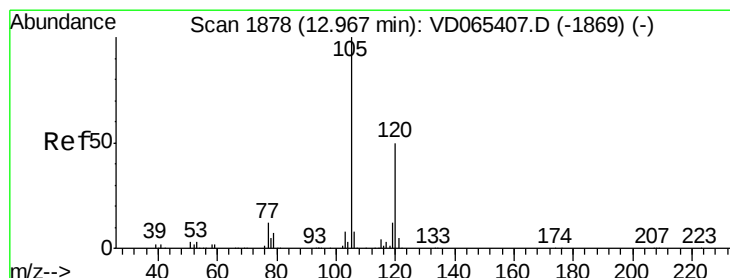
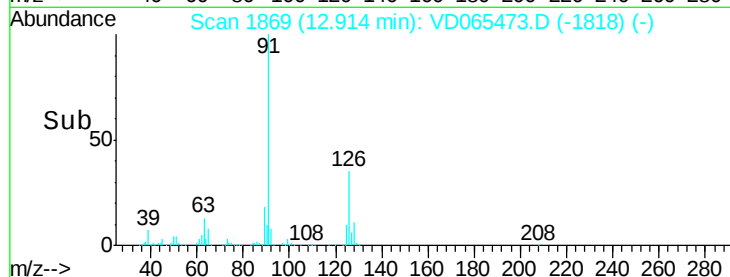
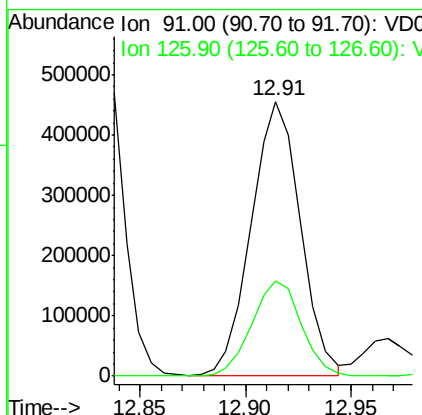
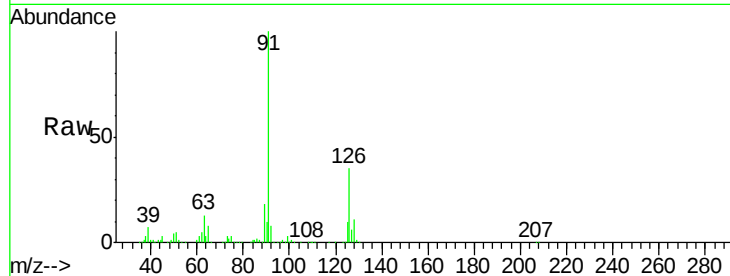
#79
2-Chlorotoluene
Concen: 53.984 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 735573
Ion Ratio Lower Upper
91 100
126 35.2 17.9 53.8

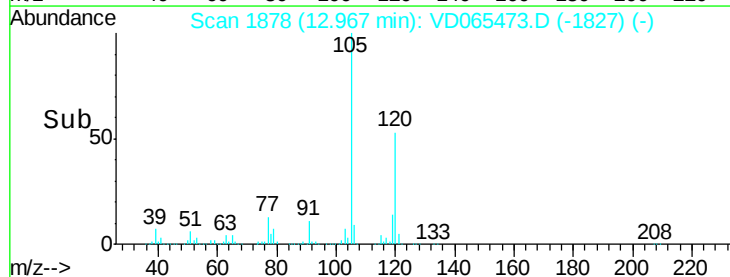
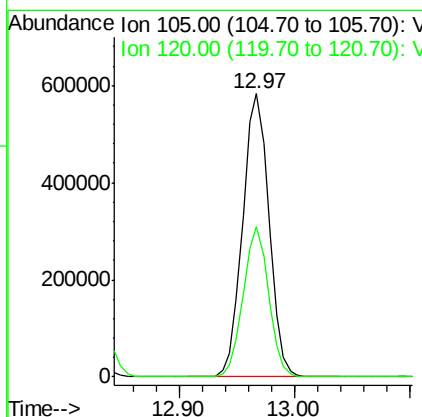
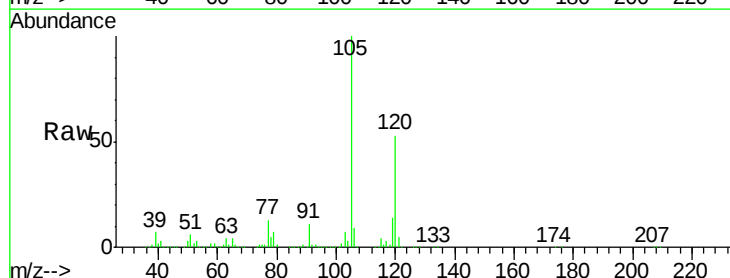
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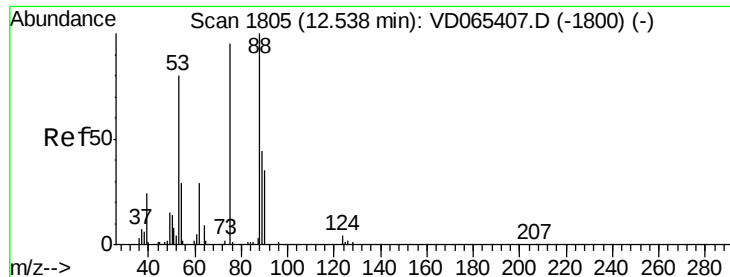
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 55.129 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion: 105 Resp: 923514
Ion Ratio Lower Upper
105 100
120 51.4 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.426 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

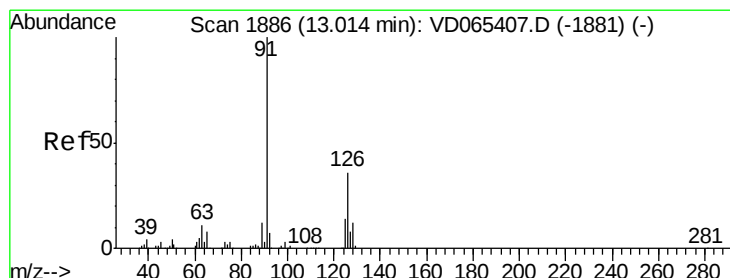
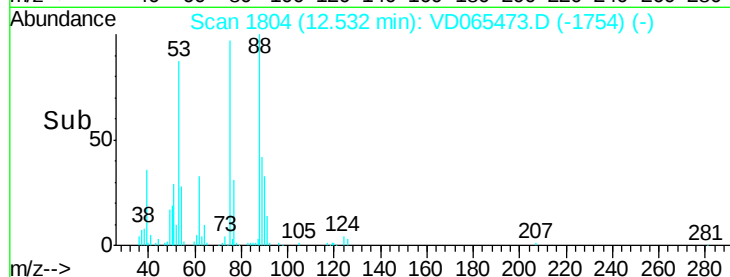
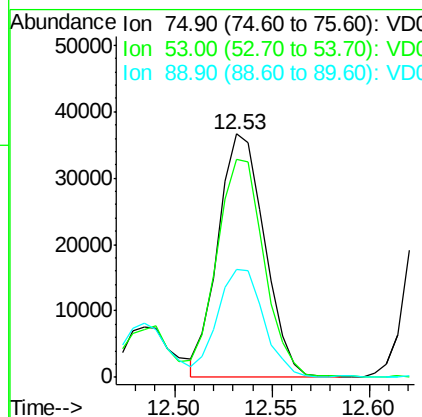
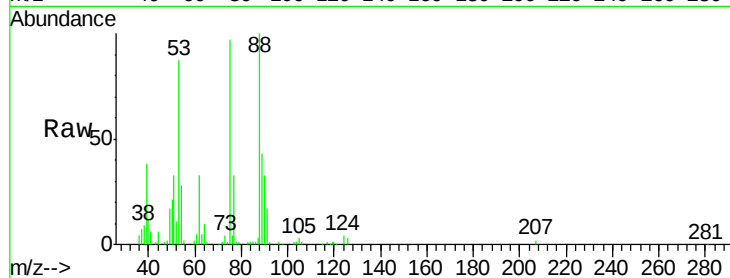
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	60729
Ion	Ratio	Lower	Upper
75	100		
53	92.0	71.3	106.9
89	44.2	37.0	55.6

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#82

4-Chlorotoluene

Concen: 53.924 ug/l

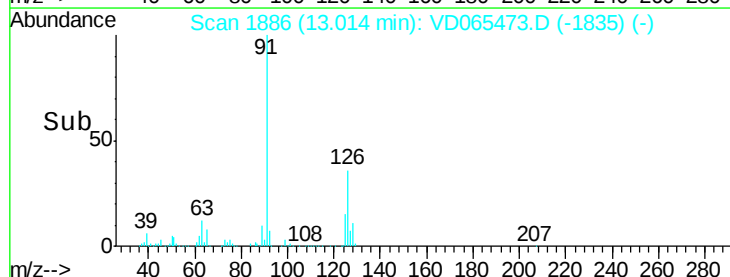
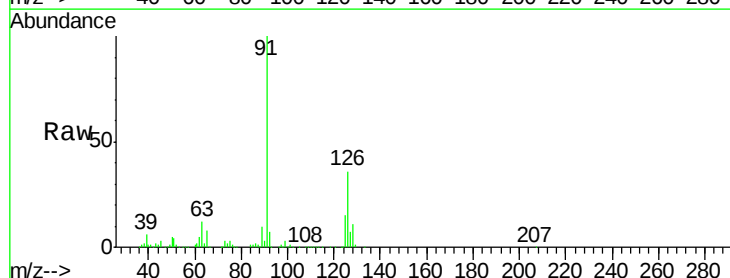
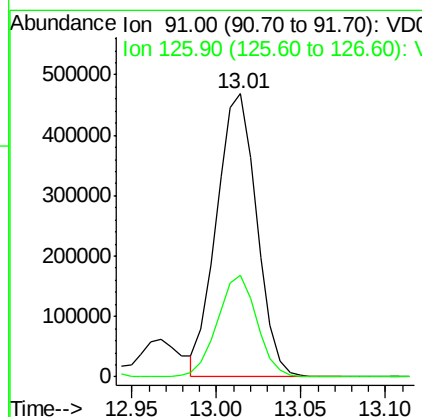
RT: 13.01 min Scan# 1886

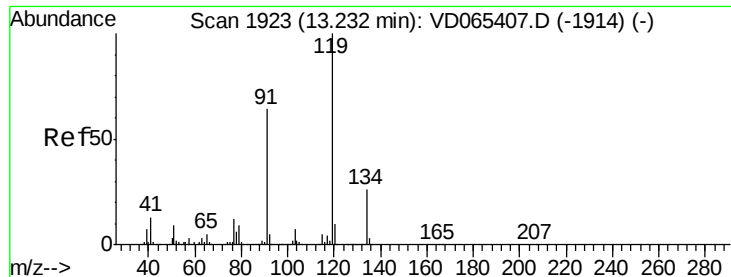
Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Tgt Ion:	91	Resp:	772102
Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.6	52.8





#83

tert-Butylbenzene

Concen: 55.529 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

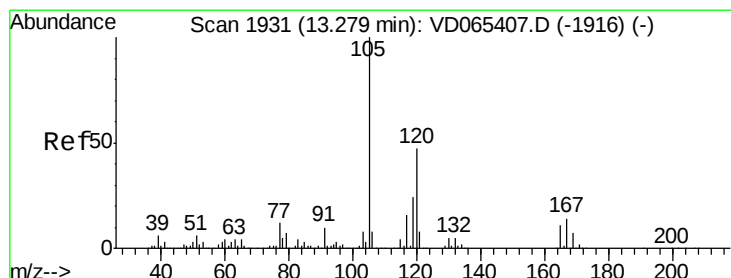
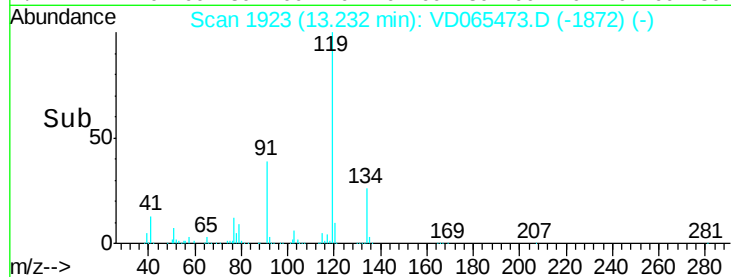
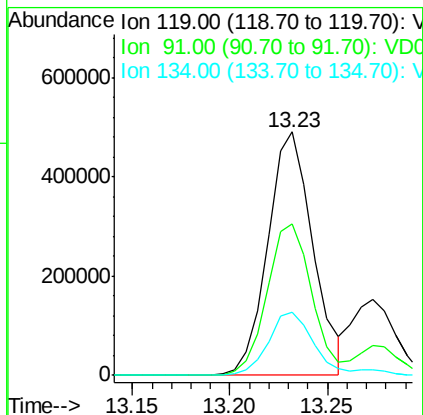
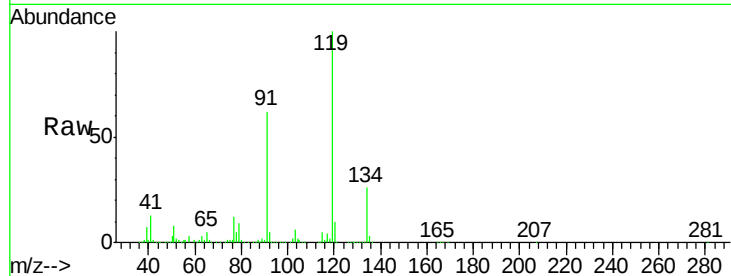
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	786966
Ion Ratio	Lower	Upper	
119	100		
91	61.6	31.6	95.0
134	27.5	14.2	42.8

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#84

1,2,4-Trimethylbenzene

Concen: 55.600 ug/l

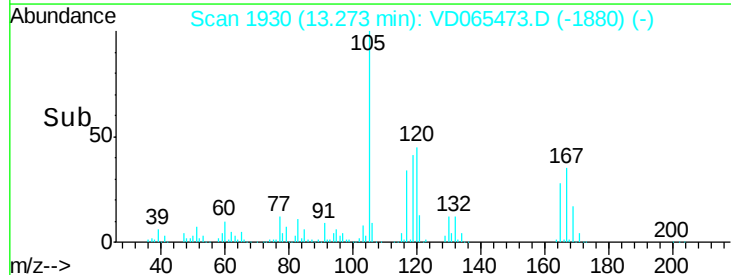
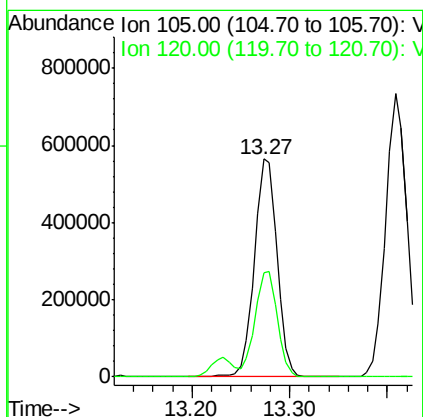
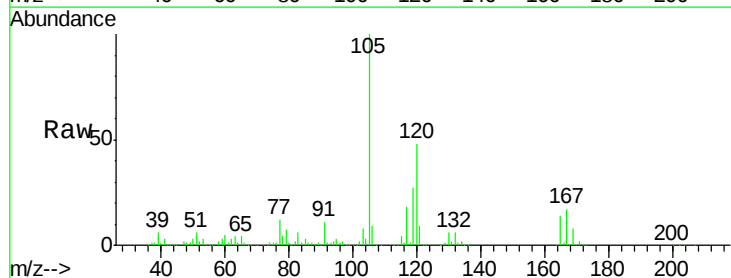
RT: 13.27 min Scan# 1930

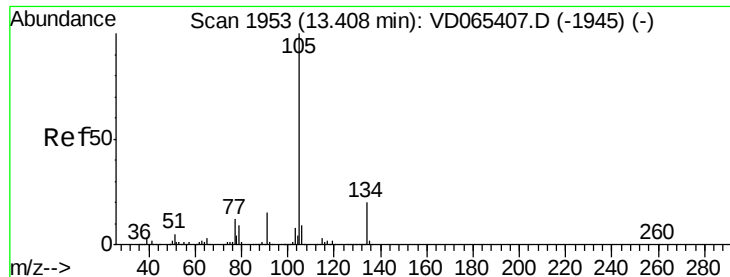
Delta R.T. -0.01 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Tgt Ion:	105	Resp:	918103
Ion Ratio	Lower	Upper	
105	100		
120	47.1	23.4	70.3





#85

sec-Butylbenzene

Concen: 55.106 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1114775

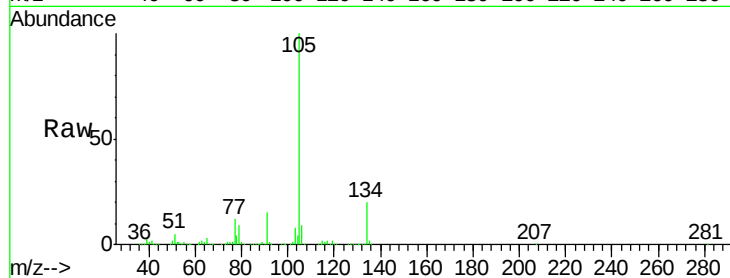
Ion Ratio Lower Upper

105 100

134 20.5 10.3 30.9

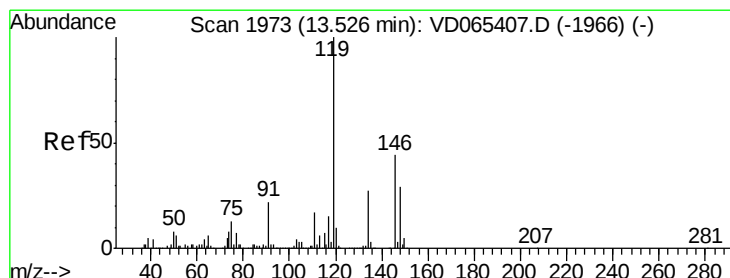
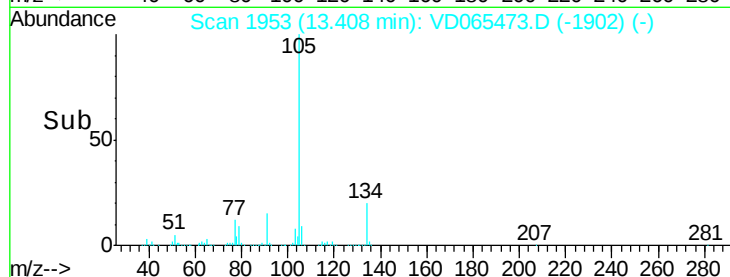
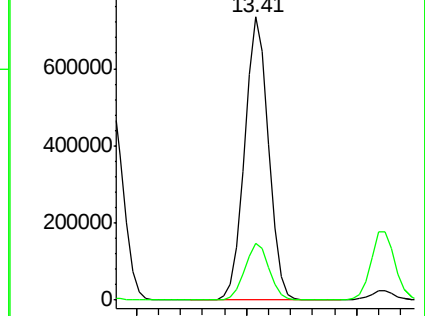
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.445 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

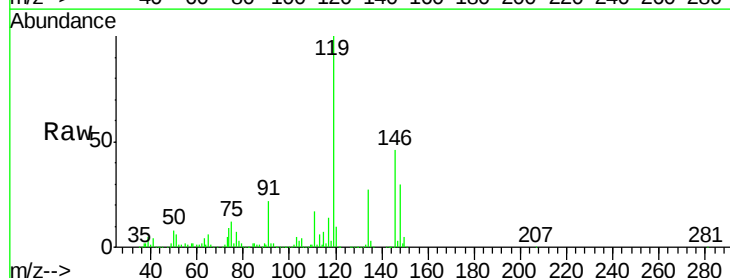
Tgt Ion:119 Resp: 1023481

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.9

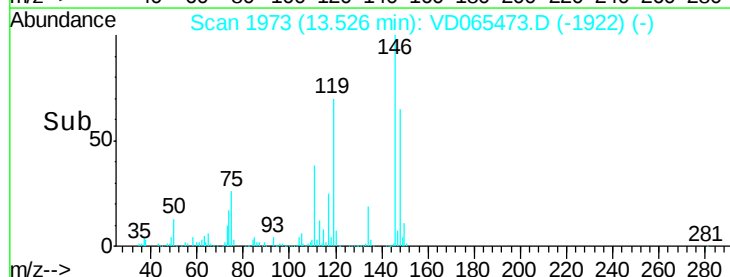
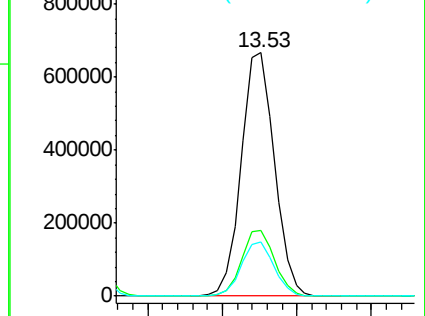
91 21.9 10.9 32.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





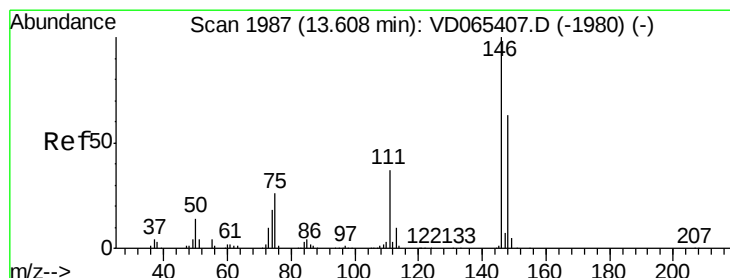
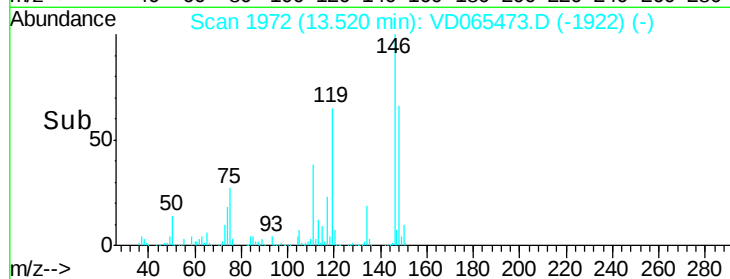
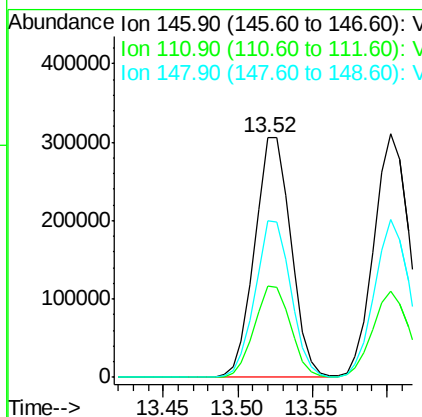
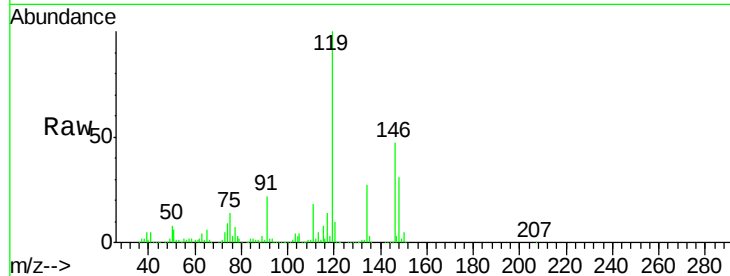
#87
 1,3-Dichlorobenzene
 Concen: 52.965 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	37.9	19.1	57.1	
148	64.1	32.3	96.8	

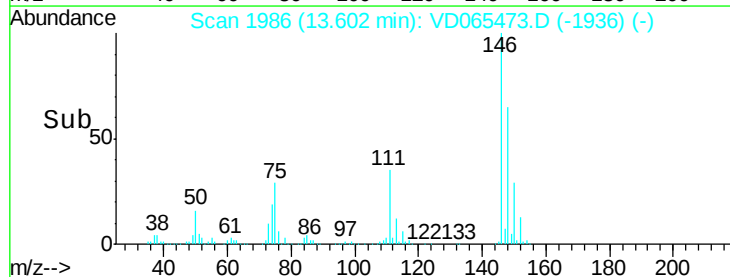
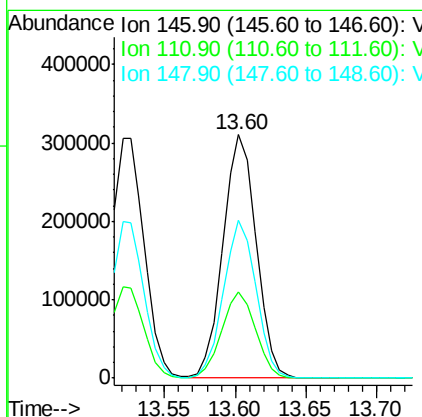
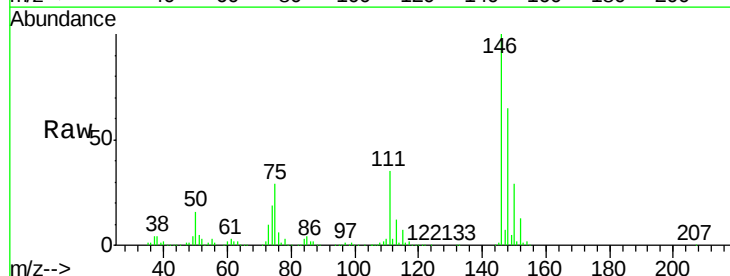
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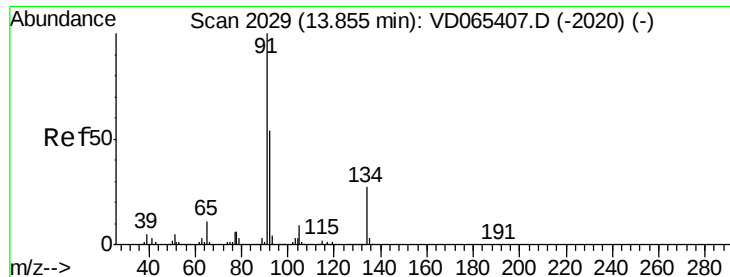
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#88
 1,4-Dichlorobenzene
 Concen: 52.516 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	36.2	18.5	55.5	
148	63.7	32.0	96.0	





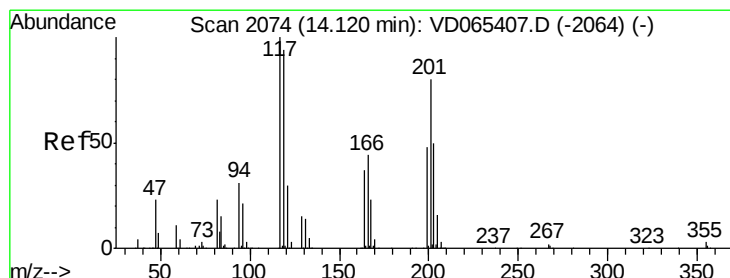
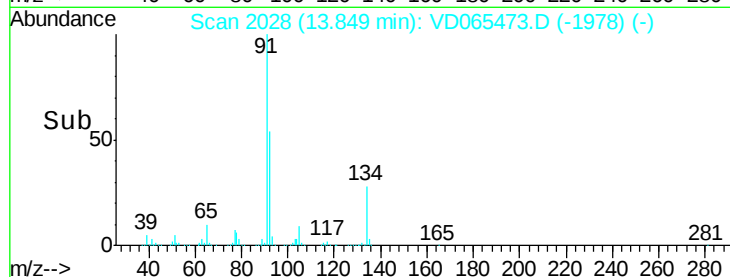
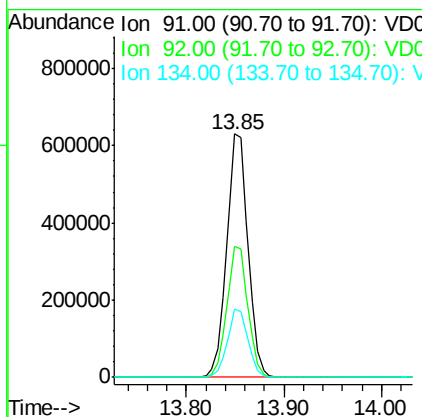
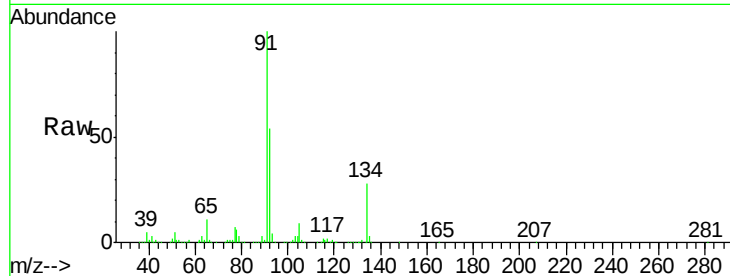
#89
n-Butylbenzene
Concen: 55.566 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		948275		
92	53.1	26.8	80.4		
134	27.3	13.4	40.2		

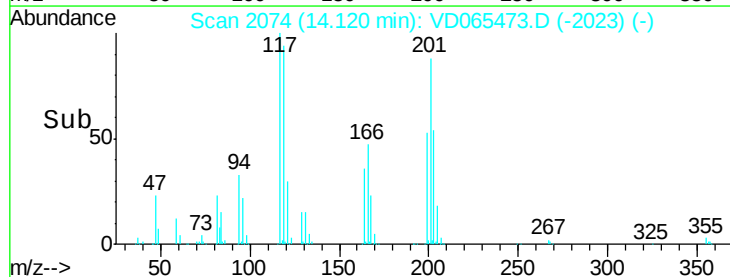
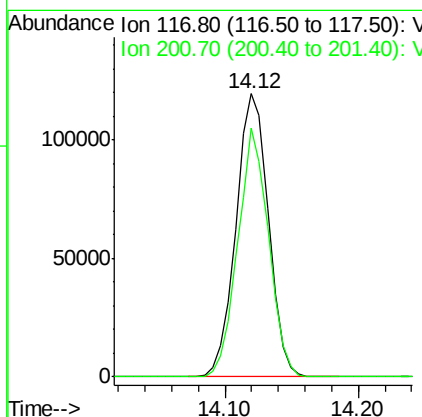
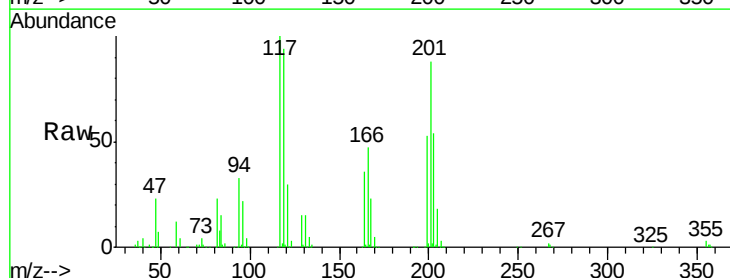
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#90
Hexachloroethane
Concen: 52.754 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065473.D
Acq: 11 Mar 2020 10:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		200544		
201	83.3	41.9	125.6		





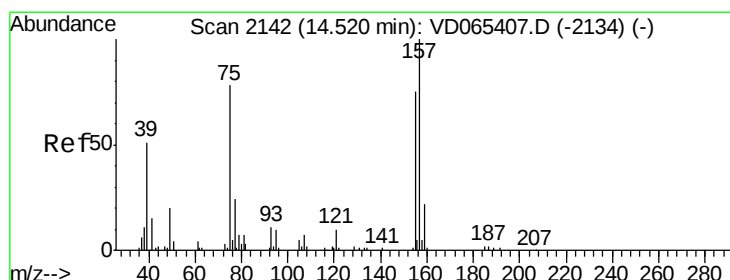
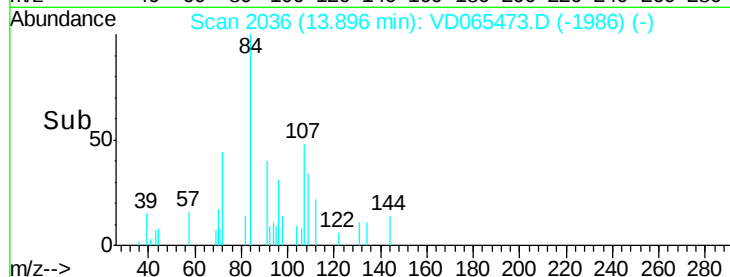
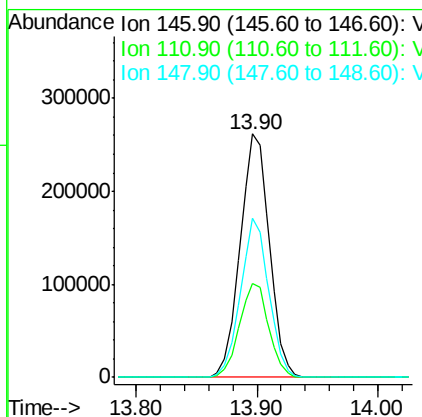
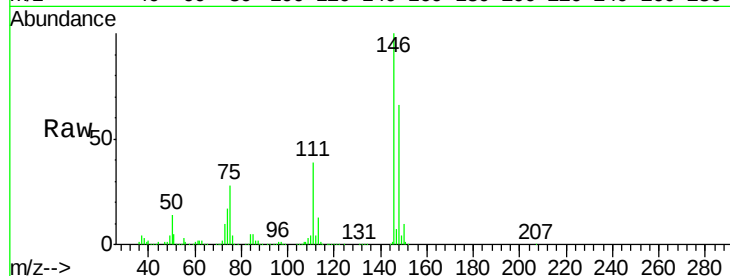
#91
 1,2-Dichlorobenzene
 Concen: 53.293 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.8	59.3
148	63.3	32.6	97.8

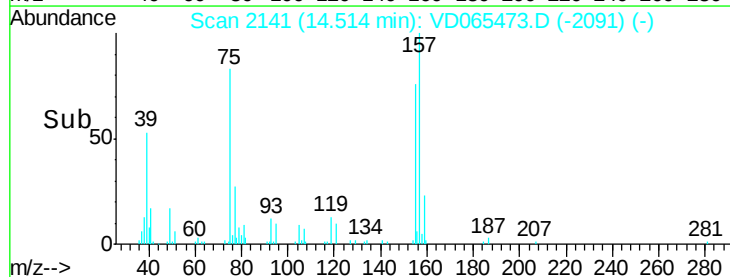
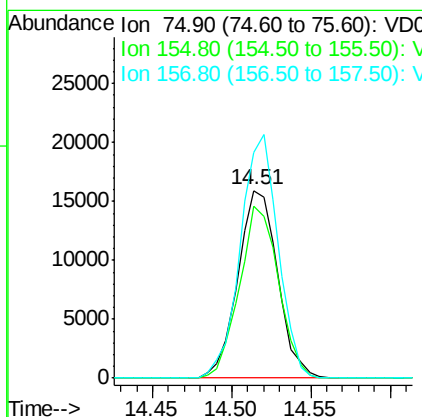
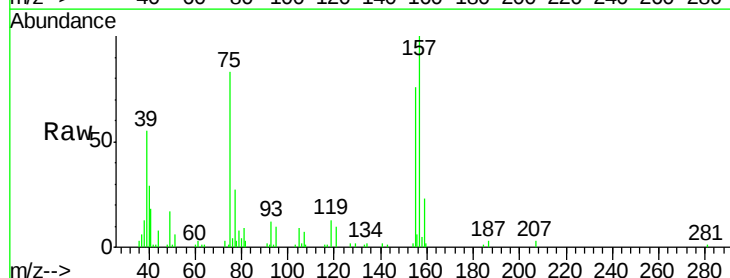
Manual Integrations
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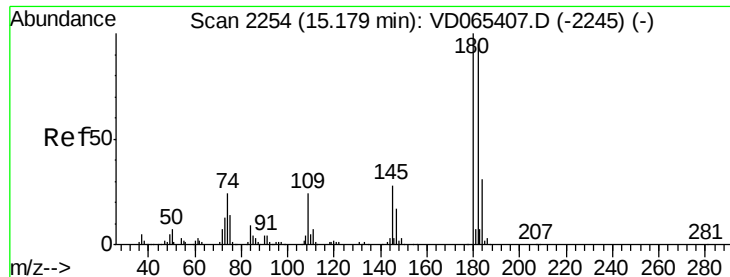
MMDadoda
 3/13/2020 9:49:33 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.887 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.0	46.4	139.1
157	122.7	60.2	180.4





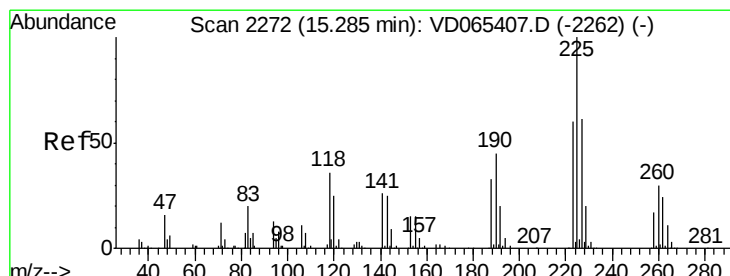
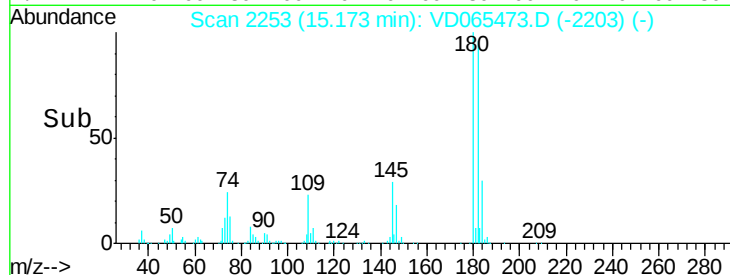
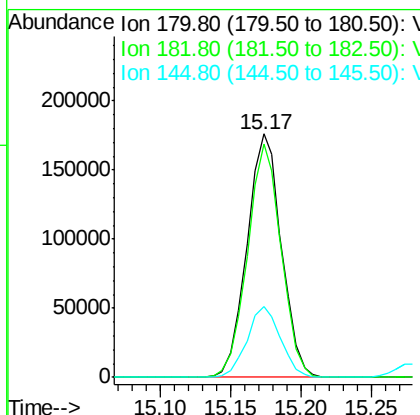
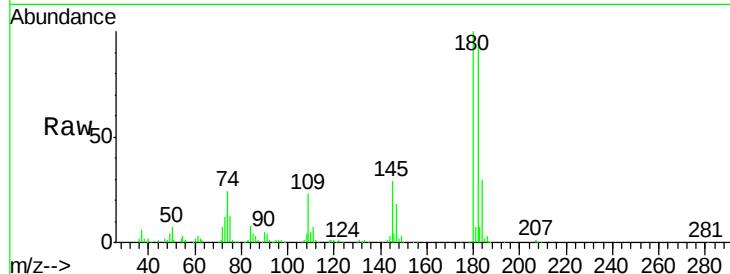
#93
 1,2,4-Trichlorobenzene
 Concen: 53.421 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	93.8	48.3	144.9
145	28.5	14.4	43.4

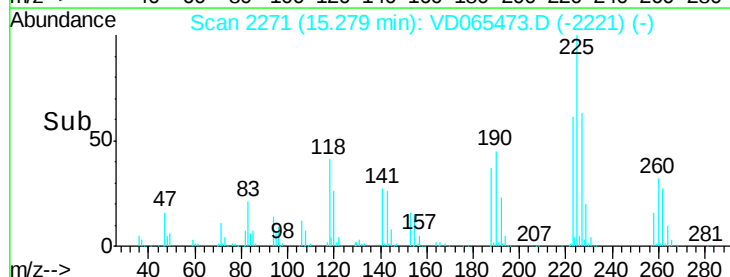
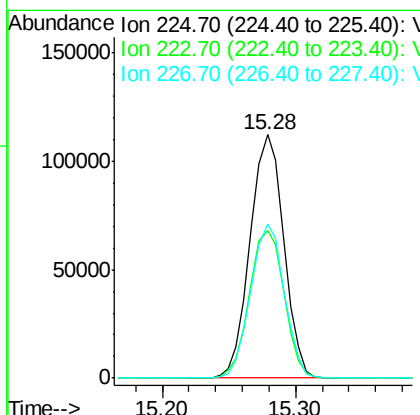
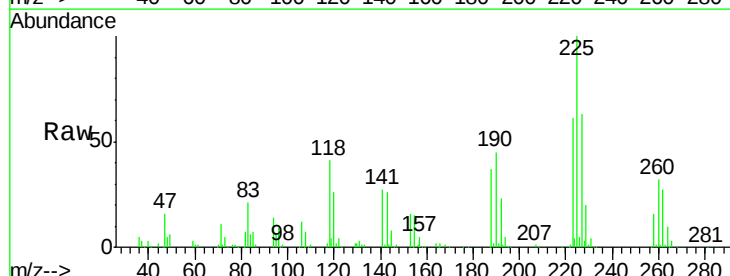
Manual Integrations
 APPROVED

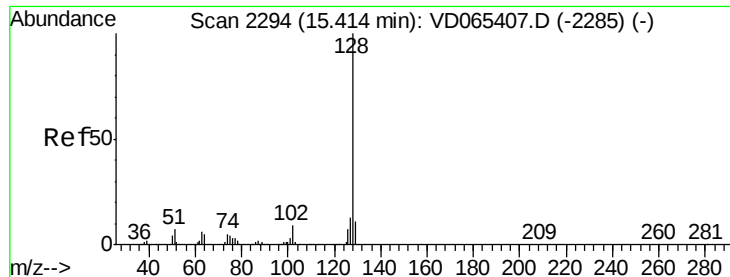
MMDadoda
 3/13/2020 9:49:33 AM



#94
 Hexachlorobutadiene
 Concen: 53.086 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065473.D
 Acq: 11 Mar 2020 10:56

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	62.6	30.9	92.5
227	62.9	31.6	94.7





#95

Naphthalene

Concen: 49.035 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Instrument :

MSVOA_D

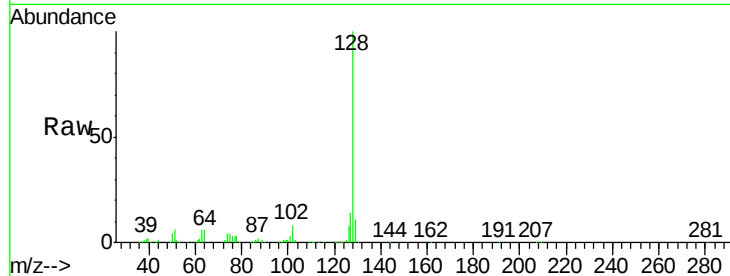
ClientSampleId :

VSTDCCC050

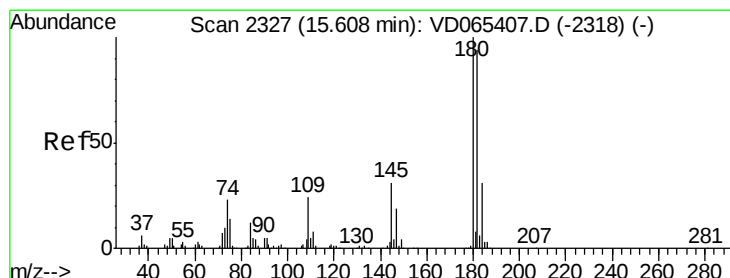
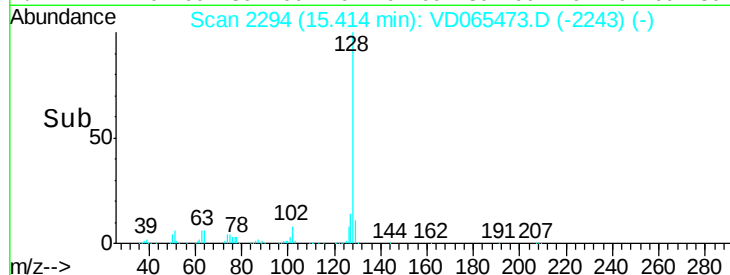
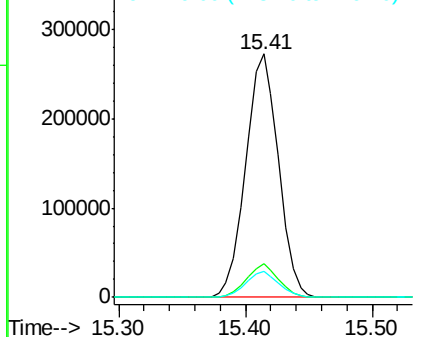
Tot Ion:	128	Resp:	489689
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	16.0
129	10.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/13/2020 9:49:33 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 54.686 ug/l

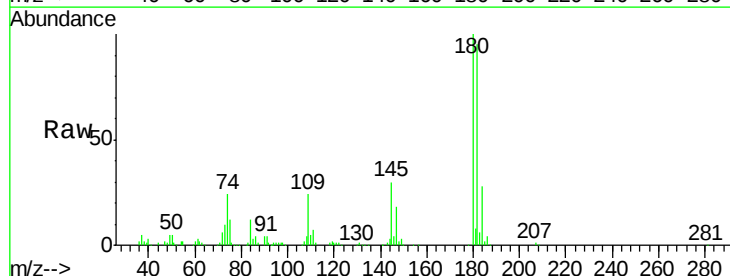
RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065473.D

Acq: 11 Mar 2020 10:56

Tgt Ion:	180	Resp:	265287
Ion Ratio	Lower	Upper	
180	100		
182	93.7	46.9	140.6
145	29.9	15.0	45.1



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

