

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD033120\
 Data File : VD065558.D
 Acq On : 31 Mar 2020 11:14
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 01 05:51:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:47:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	553620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	760363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	704107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	355770	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	210980	45.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.56%	
35) Dibromofluoromethane	7.92	113	227899	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
50) Toluene-d8	10.34	98	879122	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.64	95	277758	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	145605	47.587	ug/l	99
3) Chloromethane	2.21	50	215369	49.239	ug/l	97
4) Vinyl Chloride	2.36	62	226014	44.177	ug/l	100
5) Bromomethane	2.77	94	148668	45.763	ug/l	97
6) Chloroethane	2.93	64	147454	44.602	ug/l	98
7) Trichlorofluoromethane	3.27	101	349585	45.801	ug/l	100
8) Diethyl Ether	3.71	74	107555	44.410	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	235921	46.866	ug/l	100
10) Methyl Iodide	4.30	142	248838	42.721	ug/l	100
11) Tert butyl alcohol	5.24	59	65725	253.614	ug/l	96
12) 1,1-Dichloroethene	4.06	96	221180	46.245	ug/l	93
13) Acrolein	3.92	56	114168	260.924	ug/l	100
14) Allyl chloride	4.71	41	327969	45.067	ug/l	99
15) Acrylonitrile	5.43	53	231137	231.769	ug/l	99
16) Acetone	4.16	43	209493	240.919	ug/l	97
17) Carbon Disulfide	4.40	76	716695	45.453	ug/l	100
18) Methyl Acetate	4.72	43	101877	45.056	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	450707	47.250	ug/l	98
20) Methylene Chloride	4.97	84	247504	45.478	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	258616	46.998	ug/l	98
22) Diisopropyl ether	6.37	45	688931	48.819	ug/l	97
23) Vinyl Acetate	6.31	43	1919746	249.750	ug/l	99
24) 1,1-Dichloroethane	6.27	63	422021	47.160	ug/l	98
25) 2-Butanone	7.22	43	279509	236.686	ug/l	98
26) 2,2-Dichloropropane	7.21	77	380420	48.006	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	271861	47.678	ug/l	99
28) Bromochloromethane	7.55	49	183973	49.445	ug/l	100
29) Tetrahydrofuran	7.57	42	182192	238.042	ug/l	99
30) Chloroform	7.71	83	441275	47.604	ug/l	98
31) Cyclohexane	7.99	56	396450	45.764	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	396618	47.360	ug/l	100
36) 1,1-Dichloropropene	8.12	75	352004	50.669	ug/l	99
37) Ethyl Acetate	7.30	43	127593	47.981	ug/l	97
38) Carbon Tetrachloride	8.10	117	369527	50.502	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	418587	51.106	ug/l	99
40) Benzene	8.36	78	1006379	50.766	ug/l	99
41) Methacrylonitrile	7.53	41	60843	39.636	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	266646	50.549	ug/l	100
43) Isopropyl Acetate	8.46	43	230798	47.794	ug/l	96
44) Trichloroethene	9.11	130	282364	49.090	ug/l	99
45) 1,2-Dichloropropane	9.39	63	240623	49.969	ug/l	94
46) Dibromomethane	9.48	93	126956	50.243	ug/l	99
47) Bromodichloromethane	9.67	83	335806	50.165	ug/l	100
48) Methyl methacrylate	9.46	41	113243	49.319	ug/l	97
49) 1,4-Dioxane	9.47	88	28623	1041.715	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	639776	262.531	ug/l	100
52) Toluene	10.41	92	642752	51.198	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	308788	50.436	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	378646	50.549	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	178336	49.474	ug/l	97
56) Ethyl methacrylate	10.67	69	203976	46.578	ug/l	98
57) 1,3-Dichloropropane	10.95	76	305099	50.298	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	531811	259.988	ug/l	99
59) 2-Hexanone	10.99	43	435764	262.260	ug/l	99
60) Dibromochloromethane	11.14	129	240401	50.326	ug/l	99
61) 1,2-Dibromoethane	11.25	107	171970	49.293	ug/l	100
64) Tetrachloroethene	10.88	164	243028	48.184	ug/l	96
65) Chlorobenzene	11.67	112	680229	49.416	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	261176	50.879	ug/l	97
67) Ethyl Benzene	11.75	91	1190520	51.349	ug/l	99
68) m/p-Xylenes	11.86	106	946501	103.972	ug/l	99
69) o-Xylene	12.18	106	417572	52.376	ug/l	100
70) Styrene	12.20	104	749885	53.253	ug/l	99
71) Bromoform	12.37	173	144121	50.901	ug/l #	99
73) Isopropylbenzene	12.48	105	1132916	51.861	ug/l	99
74) N-amyl acetate	12.30	43	209450	48.583	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	187678	49.461	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	238480	87.190	ug/l #	100
77) Bromobenzene	12.77	156	284971	49.919	ug/l	99
78) n-propylbenzene	12.83	91	1340693	51.487	ug/l	100
79) 2-Chlorotoluene	12.91	91	753641	50.732	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	940629	51.949	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	62457	50.971	ug/l	99
82) 4-Chlorotoluene	13.01	91	793786	50.280	ug/l	100
83) tert-Butylbenzene	13.23	119	786405	51.857	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	943256	52.108	ug/l	100
85) sec-Butylbenzene	13.41	105	1108418	51.076	ug/l	99
86) p-Isopropyltoluene	13.53	119	1043406	52.175	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	544698	49.565	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	530230	48.287	ug/l	99
89) n-Butylbenzene	13.86	91	923358	50.843	ug/l	99
90) Hexachloroethane	14.12	117	204337	48.725	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	464207	49.760	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27147	47.490	ug/l	97

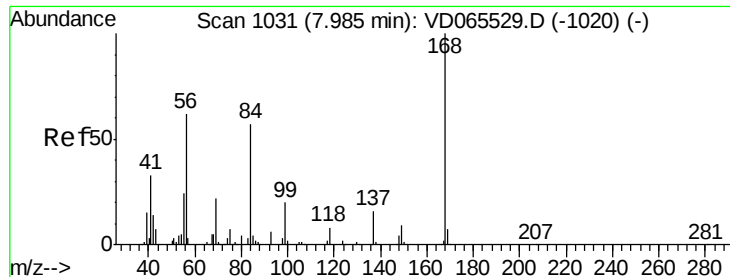
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	304512	47.200	ug/l	99
94) Hexachlorobutadiene	15.28	225	201522	47.934	ug/l	100
95) Naphthalene	15.41	128	475455	43.849	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	266363	48.072	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

Instrument :

MSVOA_D

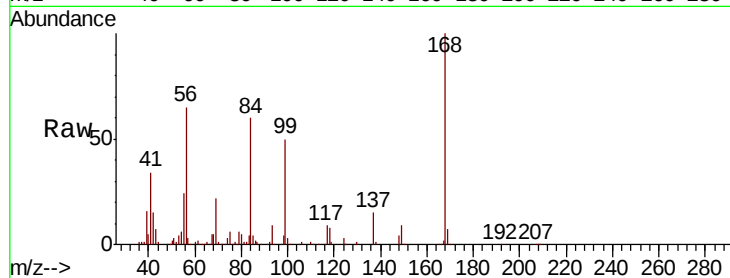
ClientSampleId :

Tot Ion:168 Resp: 553620

Ion Ratio Lower Upper

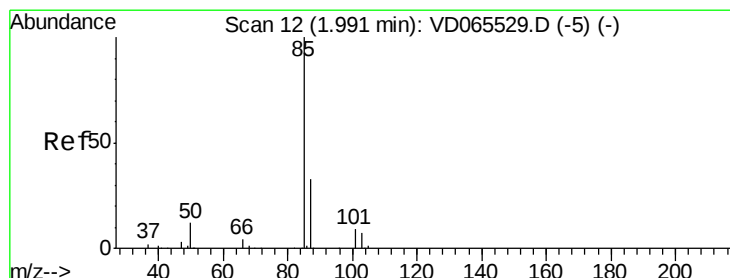
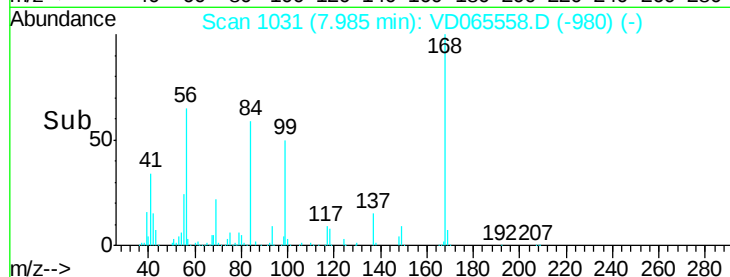
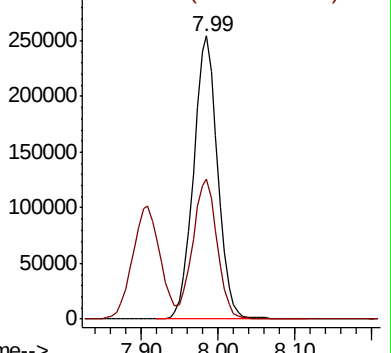
168 100

99 49.4 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 47.587 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065558.D

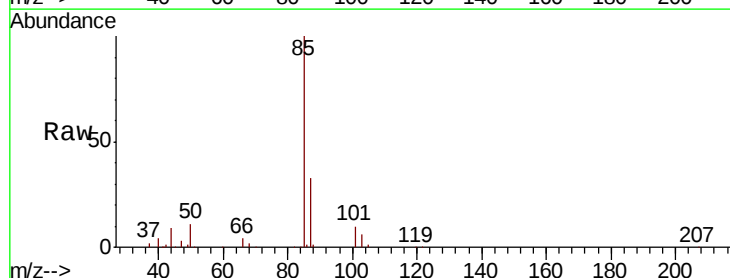
Acq: 31 Mar 2020 11:14

Tgt Ion: 85 Resp: 145605

Ion Ratio Lower Upper

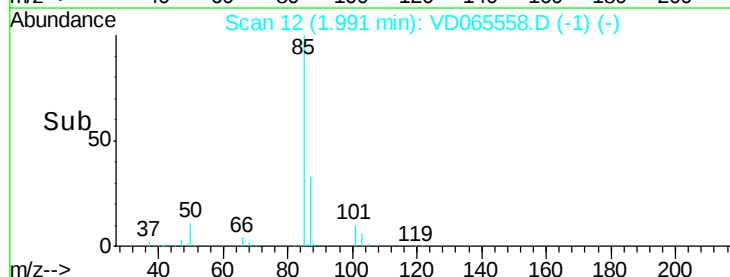
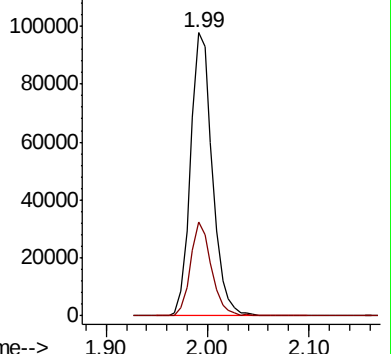
85 100

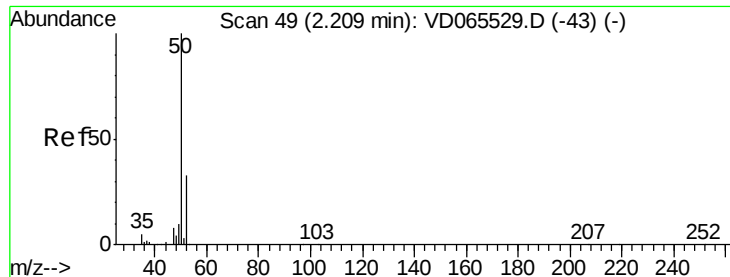
87 33.2 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.239 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

Instrument :

MSVOA_D

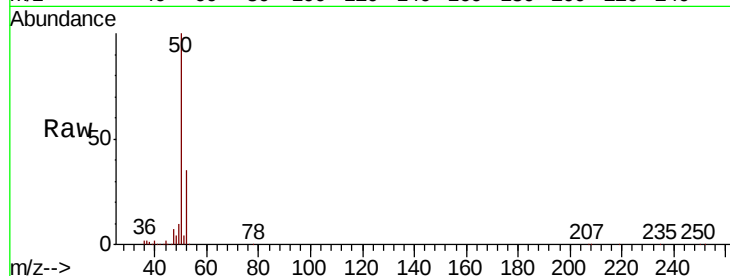
ClientSampleId :

Tot Ion: 50 Resp: 215369

Ion Ratio Lower Upper

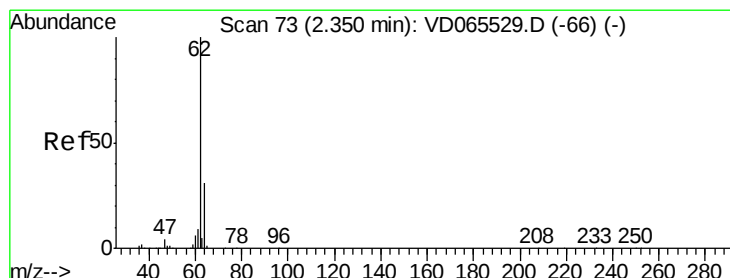
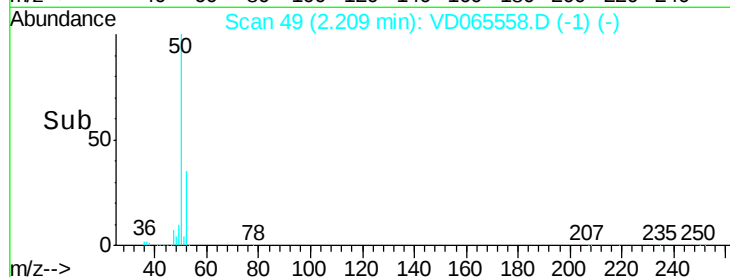
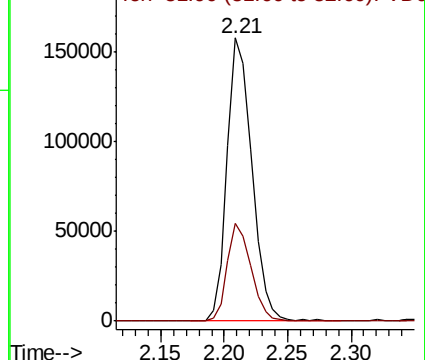
50 100

52 34.5 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 44.177 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065558.D

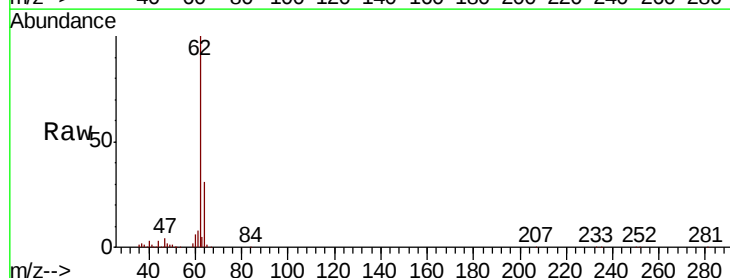
Acq: 31 Mar 2020 11:14

Tgt Ion: 62 Resp: 226014

Ion Ratio Lower Upper

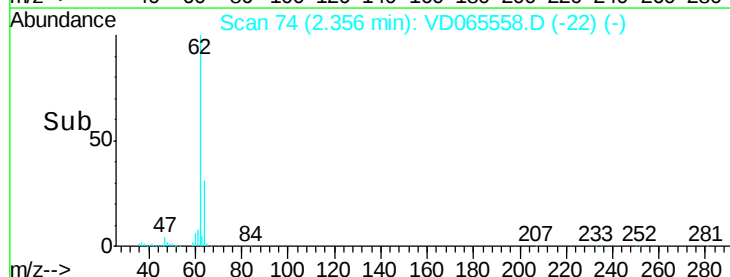
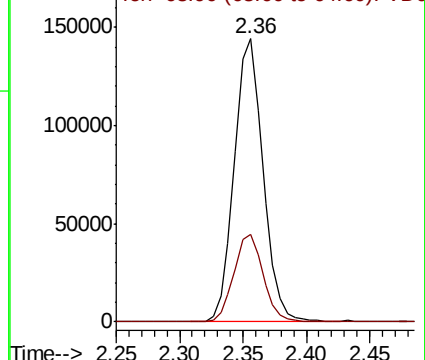
62 100

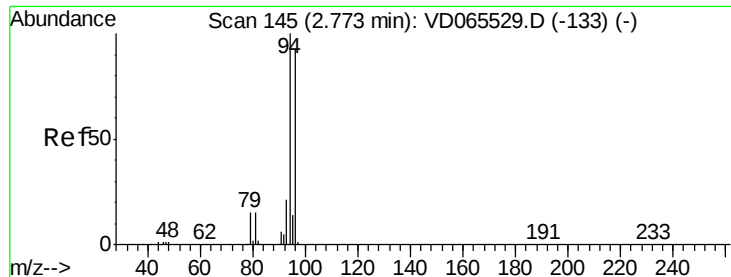
64 30.8 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 45.763 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

Instrument :

MSVOA_D

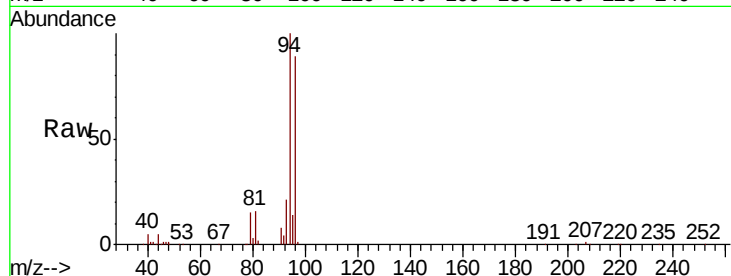
ClientSampleId :

Tot Ion: 94 Resp: 148668

Ion Ratio Lower Upper

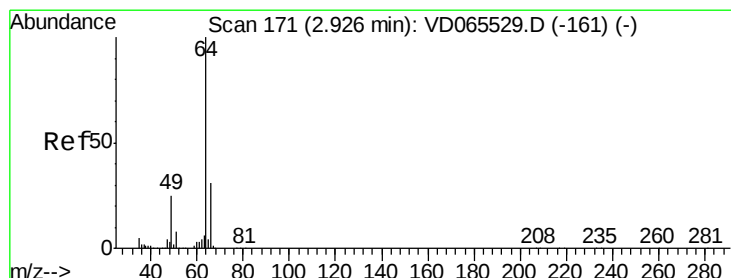
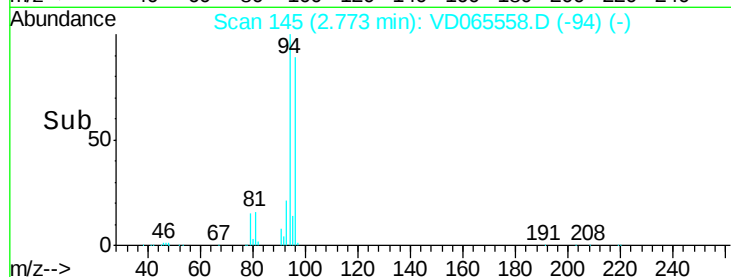
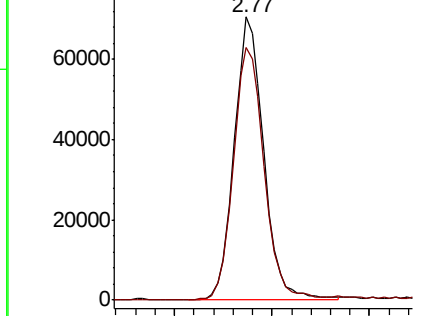
94 100

96 89.2 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 44.602 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065558.D

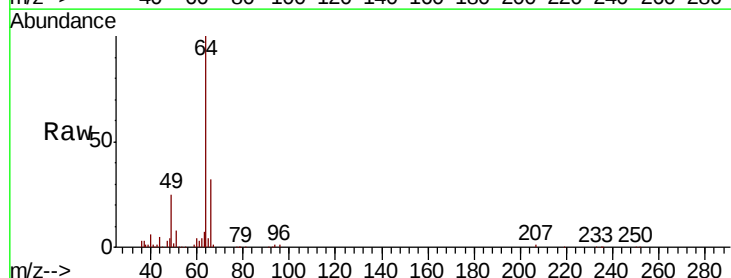
Acq: 31 Mar 2020 11:14

Tgt Ion: 64 Resp: 147454

Ion Ratio Lower Upper

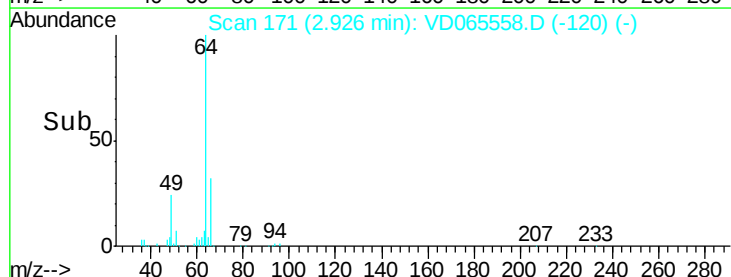
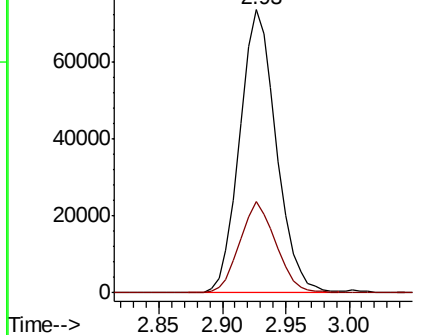
64 100

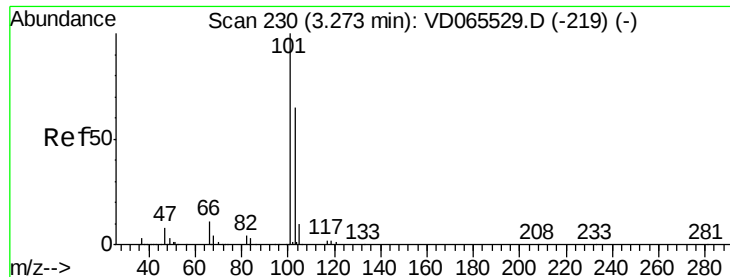
66 32.4 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



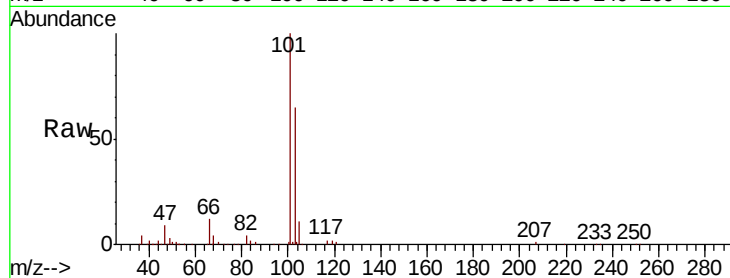


#7

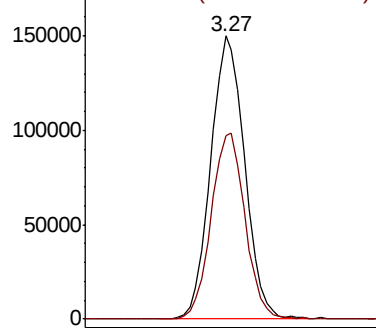
Trichlorofluoromethane
 Concen: 45.801 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065558.D
 Acq: 31 Mar 2020 11:14

Instrument :
 MSVOA_D
 ClientSampleId :

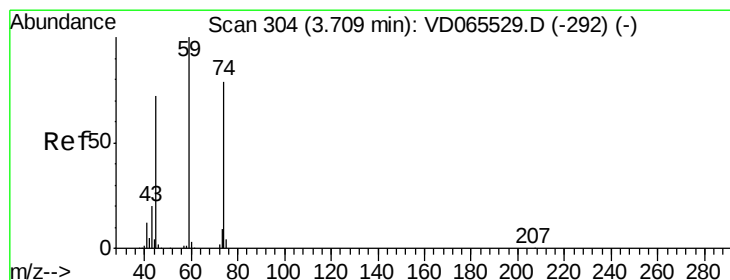
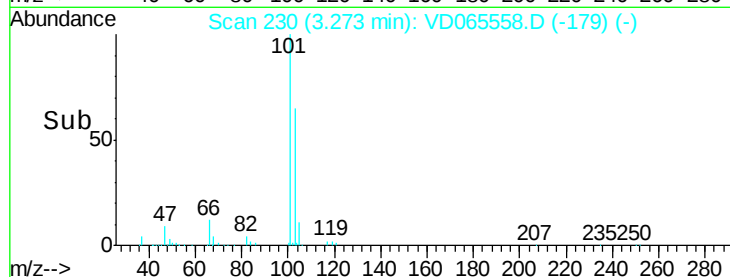
Tot Ion:101 Resp: 349585
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.9 77.9



Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



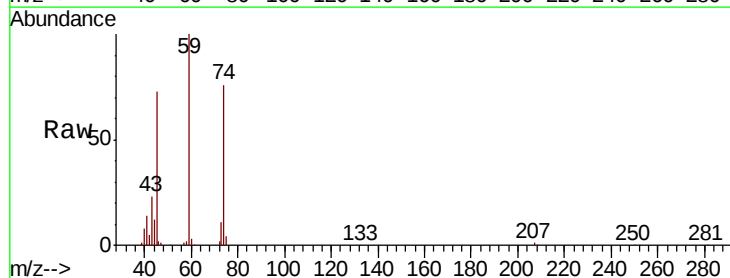
Time-->



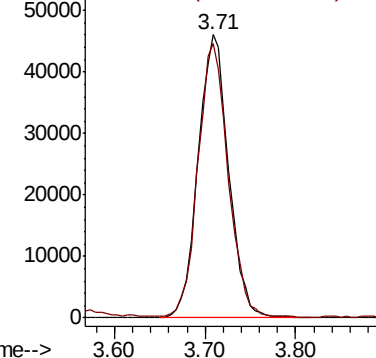
#8

Diethyl Ether
 Concen: 44.410 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065558.D
 Acq: 31 Mar 2020 11:14

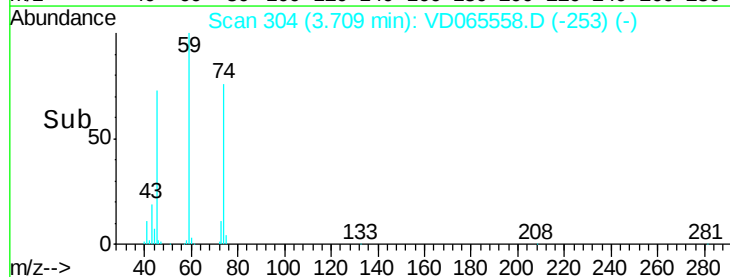
Tgt Ion: 74 Resp: 107555
 Ion Ratio Lower Upper
 74 100
 45 96.7 48.2 144.6

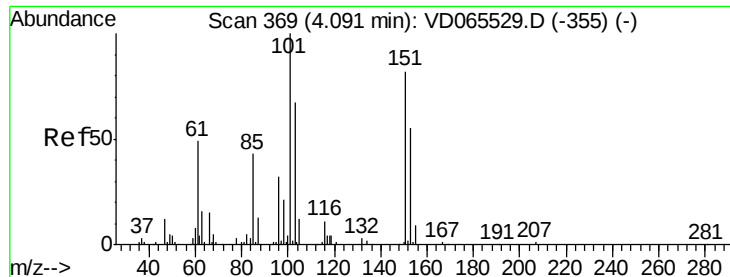


Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.00 (44.70 to 45.70): VDC



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.866 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065558.D

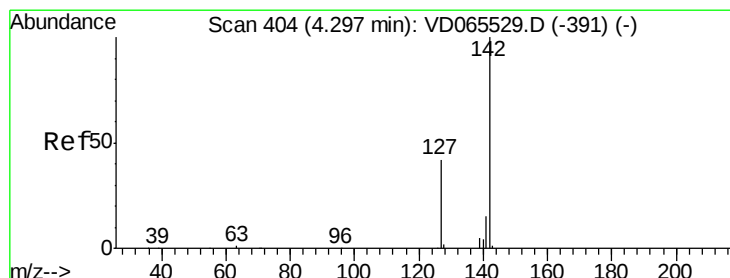
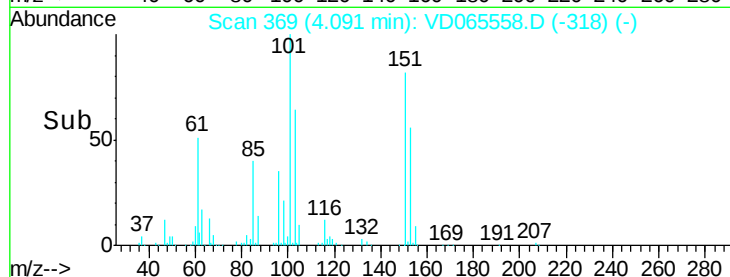
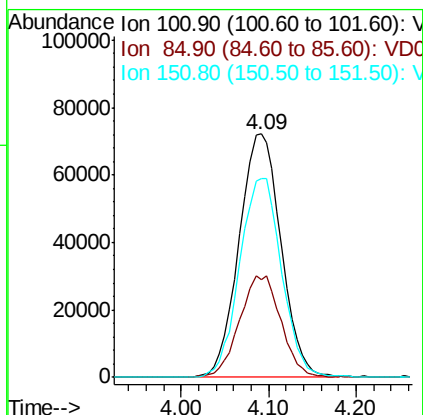
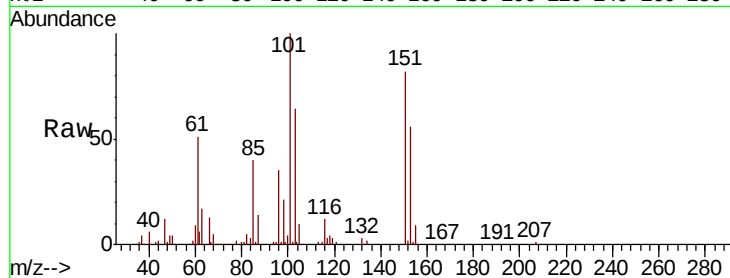
Acq: 31 Mar 2020 11:14

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:	101	Resp:	235921
Ion	Ratio	Lower	Upper
101	100		
85	41.2	32.6	48.8
151	81.8	65.5	98.3



#10

Methyl Iodide

Concen: 42.721 ug/l

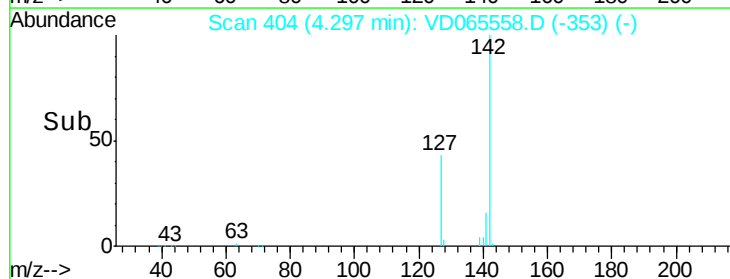
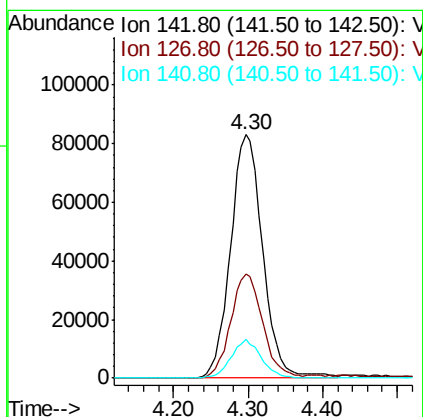
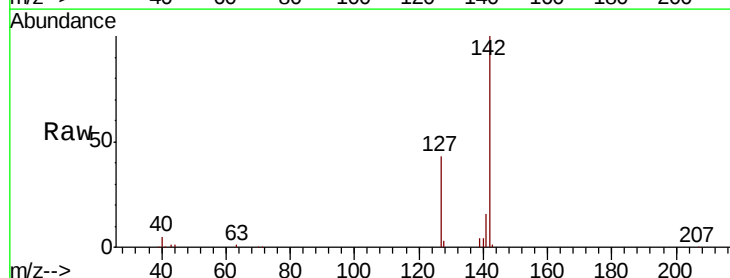
RT: 4.30 min Scan# 404

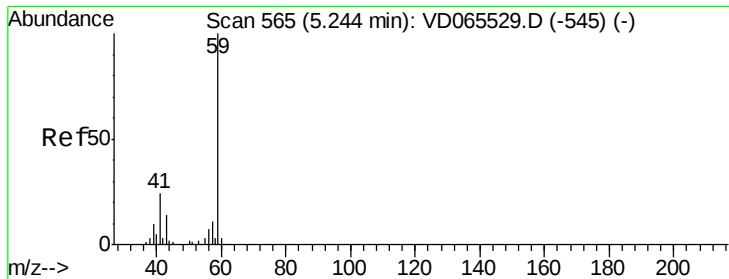
Delta R.T. 0.00 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

Tgt Ion:	142	Resp:	248838
Ion	Ratio	Lower	Upper
142	100		
127	42.4	33.9	50.9
141	14.9	11.6	17.4



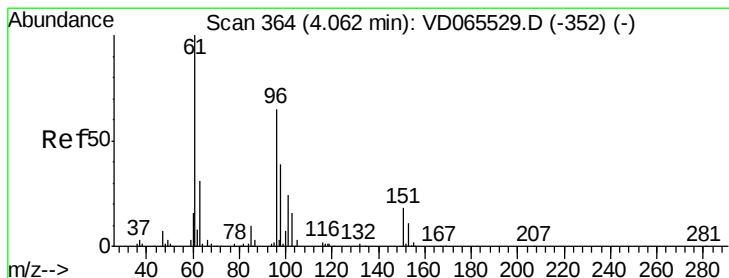
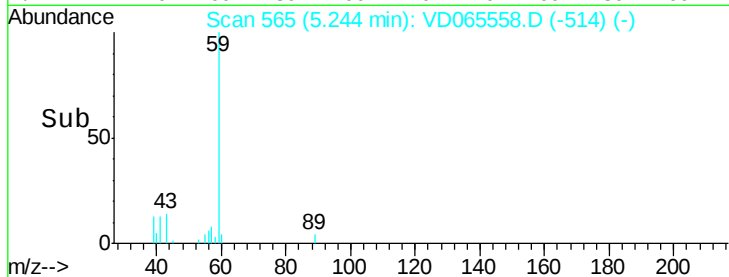
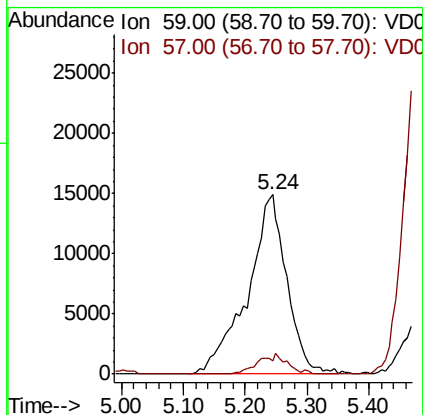
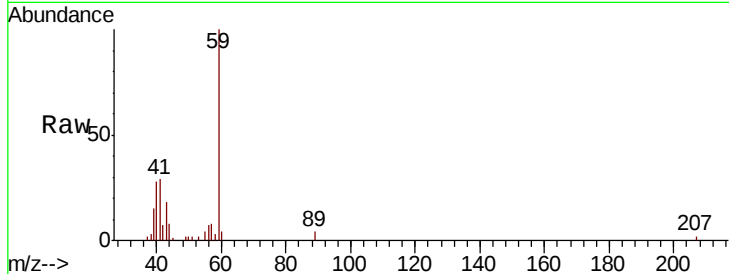


#11

Tert butyl alcohol
Concen: 253.614 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

Instrument :
MSVOA_D
ClientSampleId :

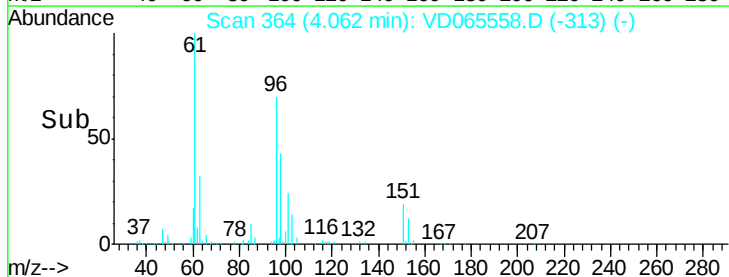
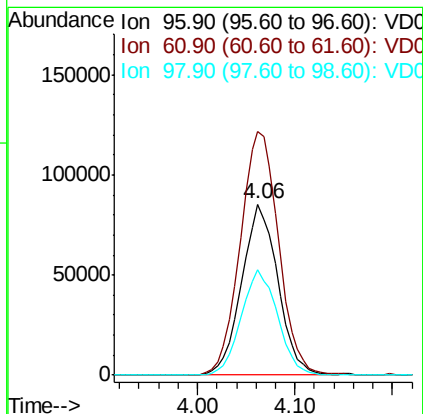
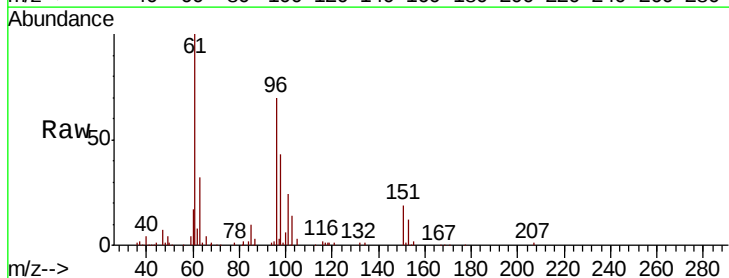
Tot Ion: 59 Resp: 65725
Ion Ratio Lower Upper
59 100
57 8.6 8.1 12.1

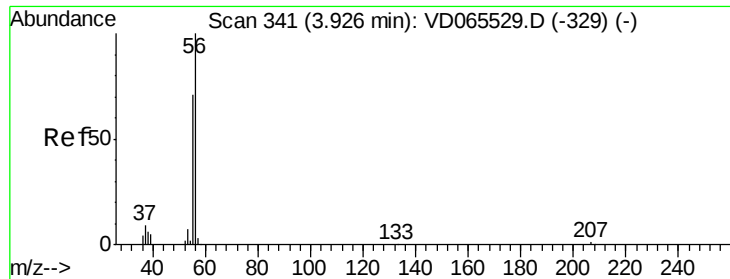


#12

1,1-Dichloroethene
Concen: 46.245 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

Tgt Ion: 96 Resp: 221180
Ion Ratio Lower Upper
96 100
61 142.3 124.0 186.0
98 61.4 48.2 72.4





#13

Acrolein

Concen: 260.924 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

Instrument :

MSVOA_D

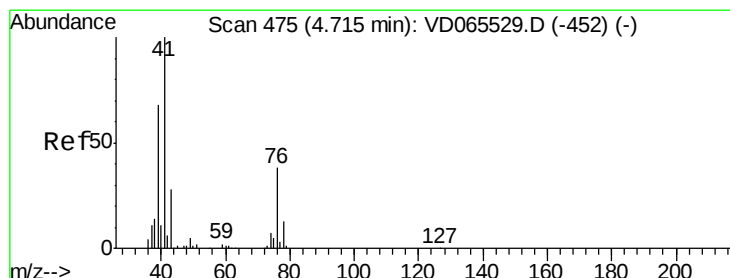
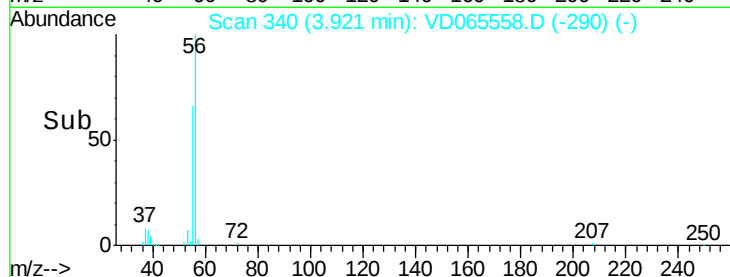
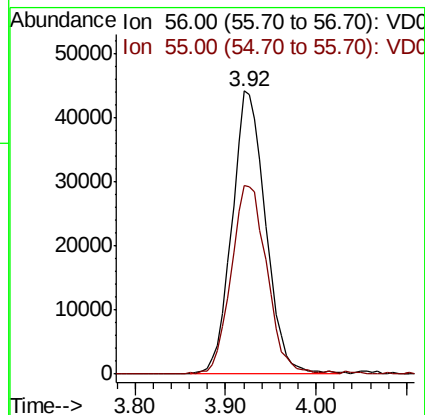
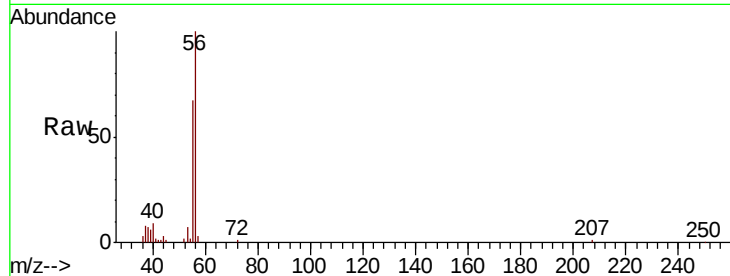
ClientSampleId :

Tot Ion: 56 Resp: 114168

Ion Ratio Lower Upper

56 100

55 70.4 56.2 84.2



#14

Allyl chloride

Concen: 45.067 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

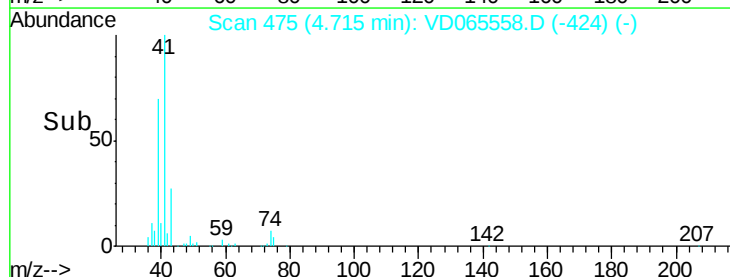
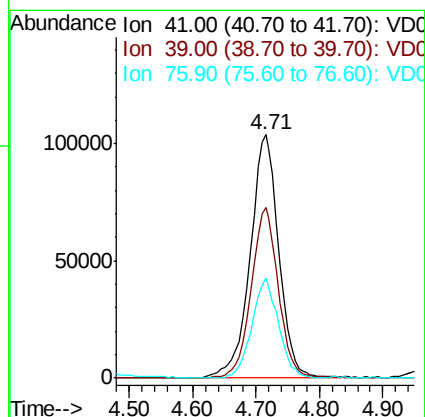
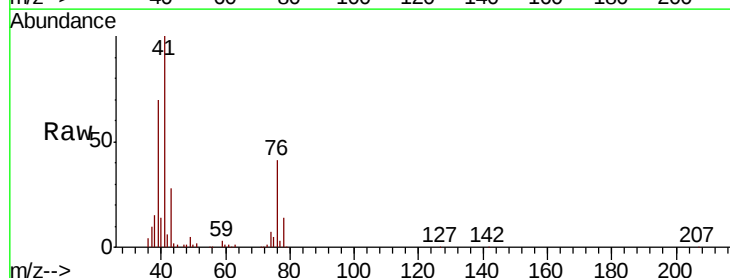
Tgt Ion: 41 Resp: 327969

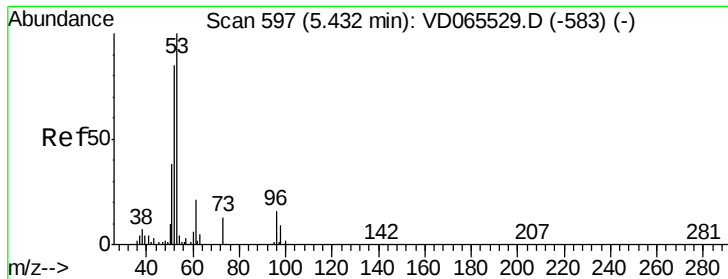
Ion Ratio Lower Upper

41 100

39 66.6 52.9 79.3

76 37.6 28.9 43.3





#15

Acrylonitrile

Concen: 231.769 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

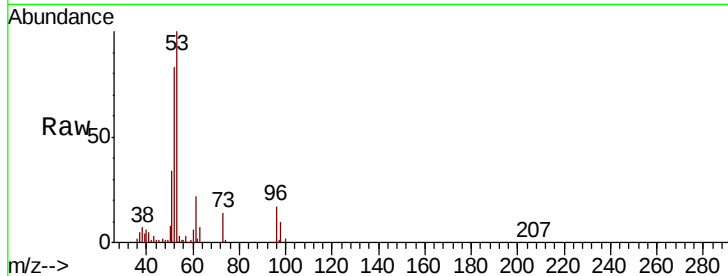
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 53 Resp: 231137

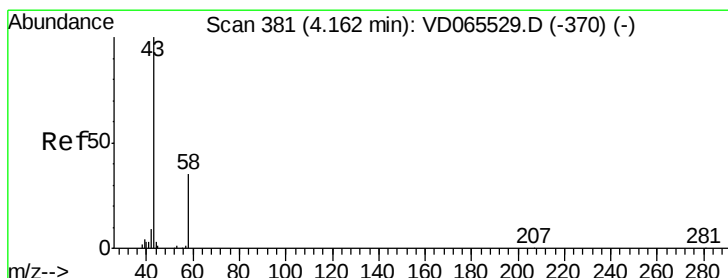
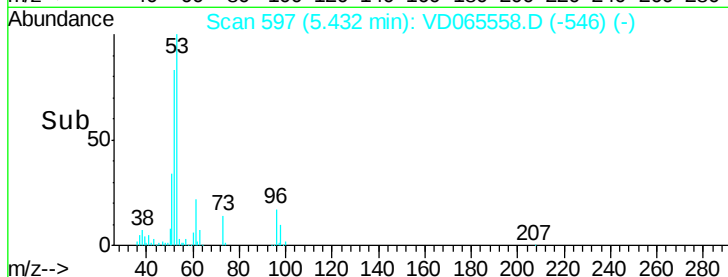
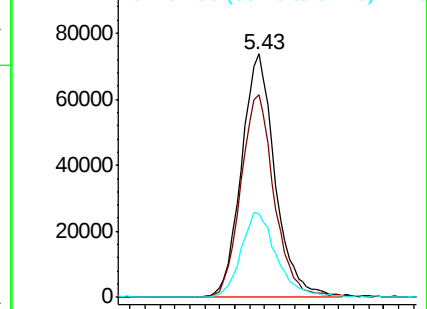
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.8	98.6
51	36.7	29.7	44.5



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 240.919 ug/l

RT: 4.16 min Scan# 381

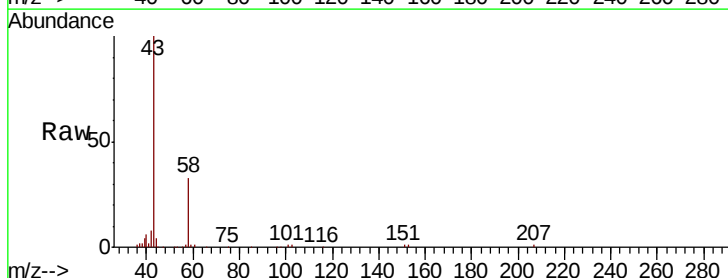
Delta R.T. 0.00 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

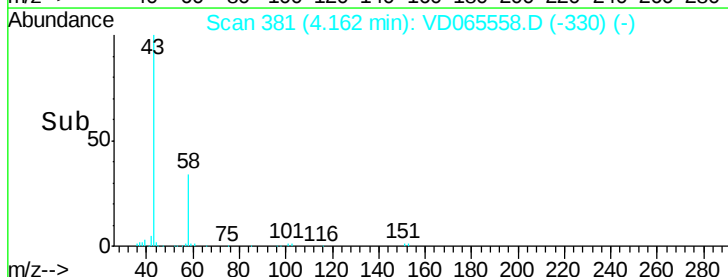
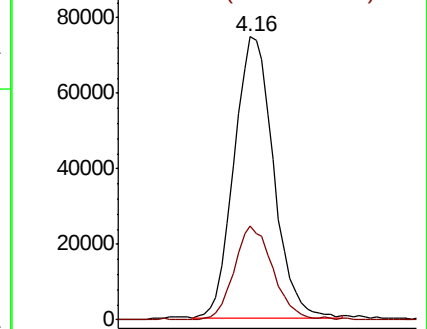
Tgt Ion: 43 Resp: 209493

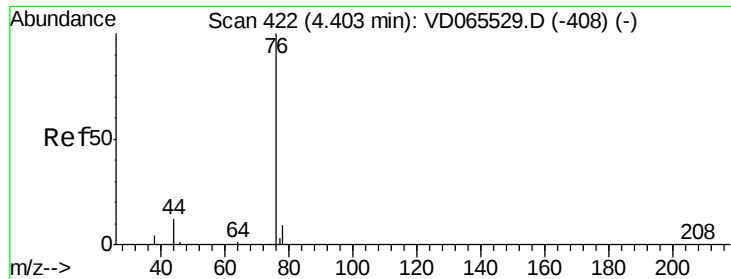
Ion	Ratio	Lower	Upper
43	100		
58	33.4	27.9	41.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

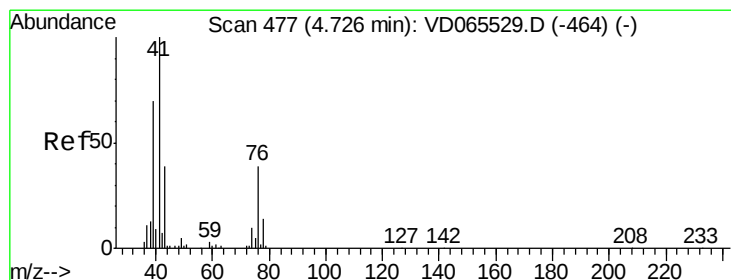
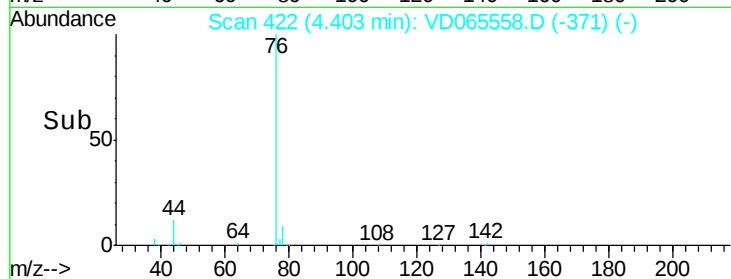
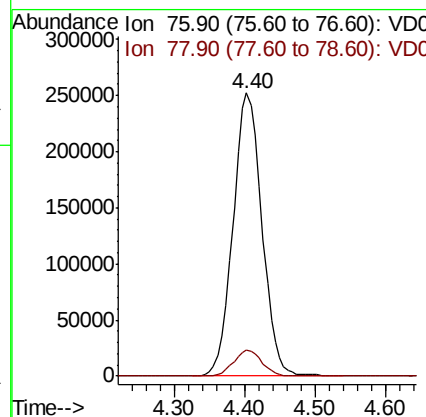
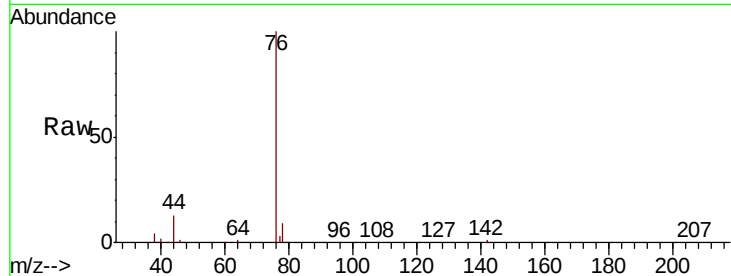




#17
Carbon Disulfide
Concen: 45.453 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

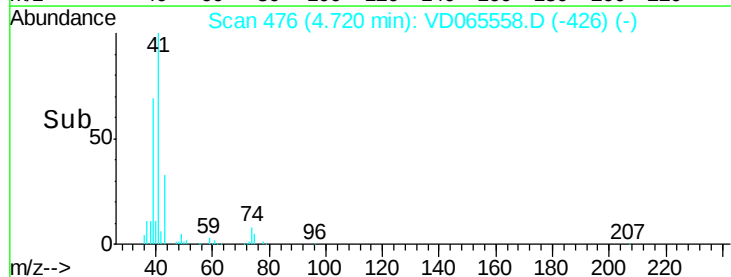
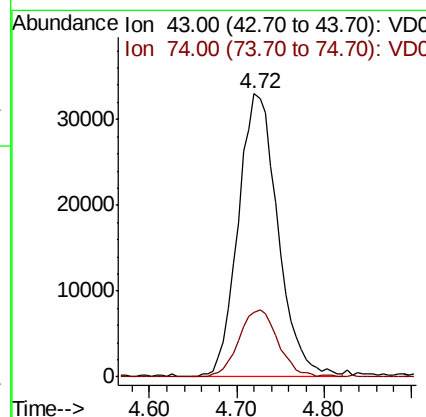
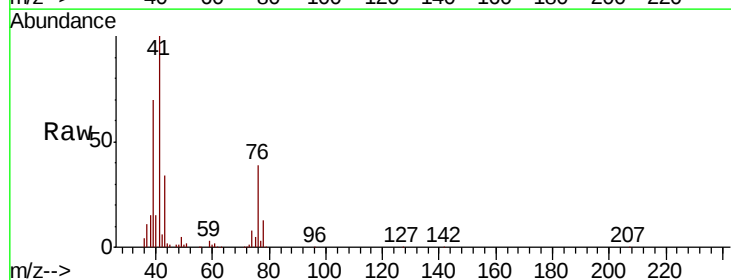
Instrument :
MSVOA_D
ClientSampleID :

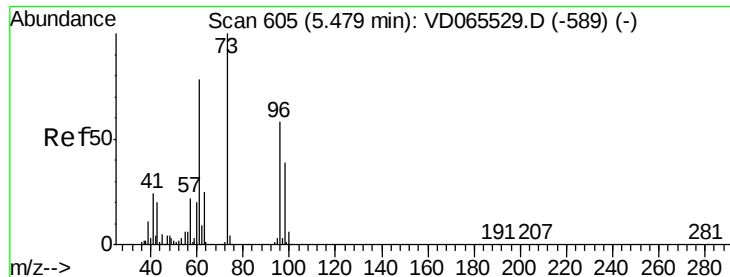
Tot Ion: 76 Resp: 716695
Ion Ratio Lower Upper
76 100
78 9.4 7.5 11.3



#18
Methyl Acetate
Concen: 45.056 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

Tgt Ion: 43 Resp: 101877
Ion Ratio Lower Upper
43 100
74 23.2 20.1 30.1

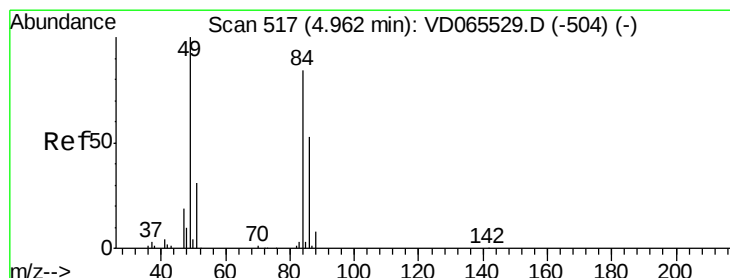
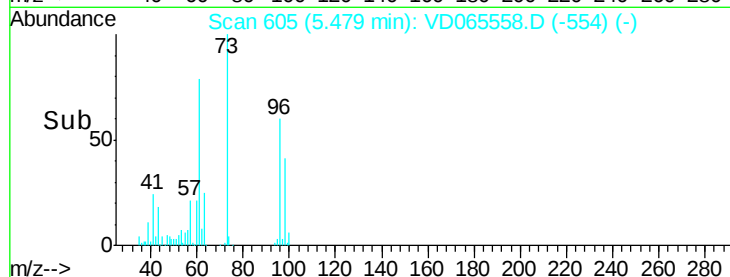
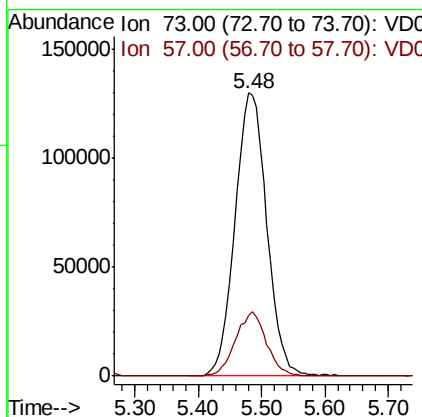
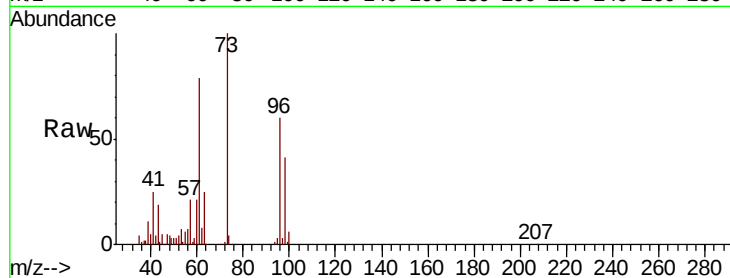




#19
Methyl tert-butyl Ether
Concen: 47.250 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

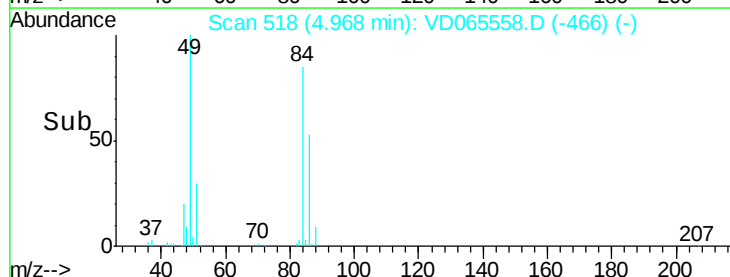
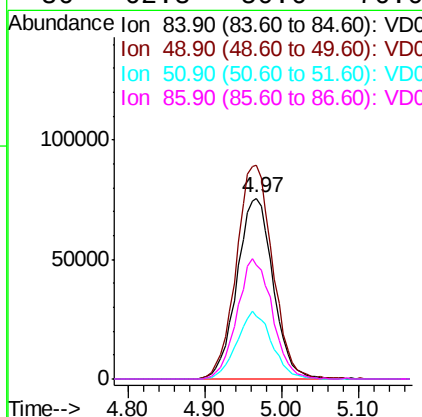
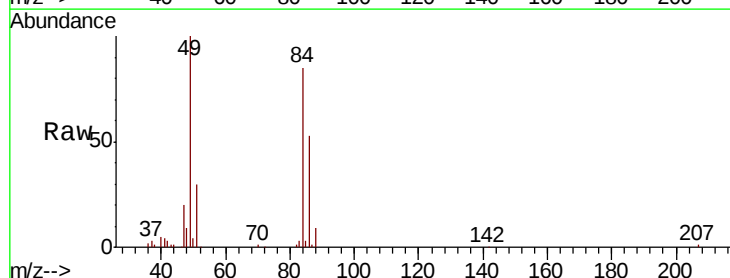
Instrument :
MSVOA_D
ClientSampleID :

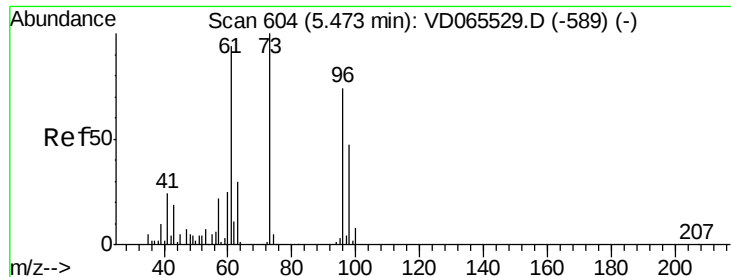
Tot Ion: 73 Resp: 450707
Ion Ratio Lower Upper
73 100
57 21.4 17.7 26.5



#20
Methylene Chloride
Concen: 45.478 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

Tgt Ion: 84 Resp: 247504
Ion Ratio Lower Upper
84 100
49 117.9 95.6 143.4
51 34.8 29.4 44.2
86 62.8 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 46.998 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

Instrument :
MSVOA_D
ClientSampled :

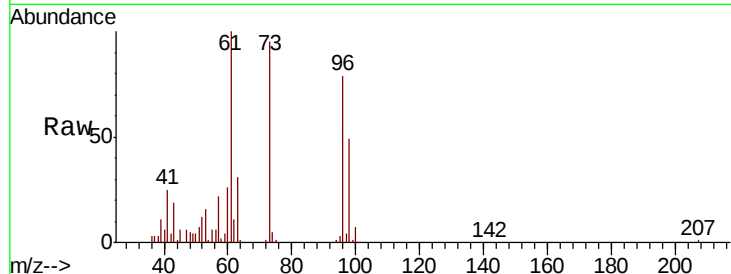
Tot Ion: 96 Resp: 258616

Ion Ratio Lower Upper

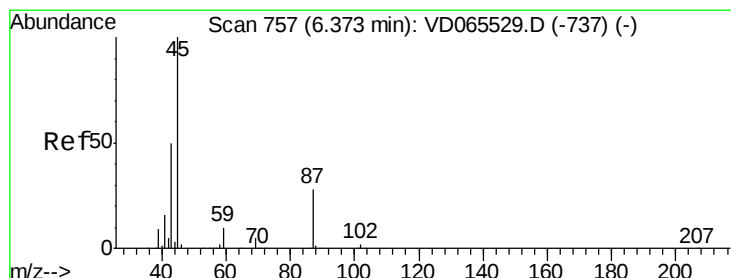
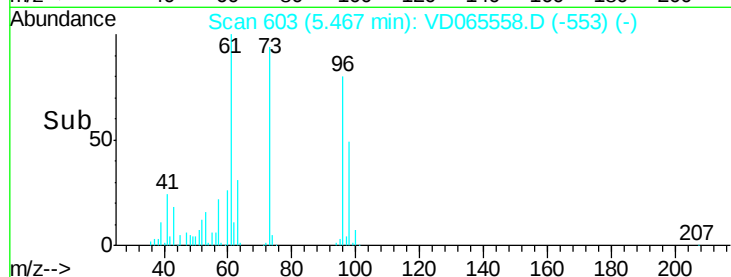
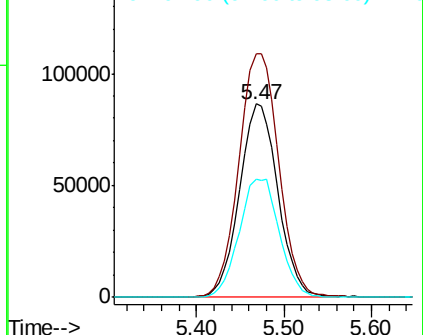
96 100

61 126.0 101.8 152.6

98 61.4 51.4 77.2



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



#22

Diisopropyl ether

Concen: 48.819 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

Tgt Ion: 45 Resp: 688931

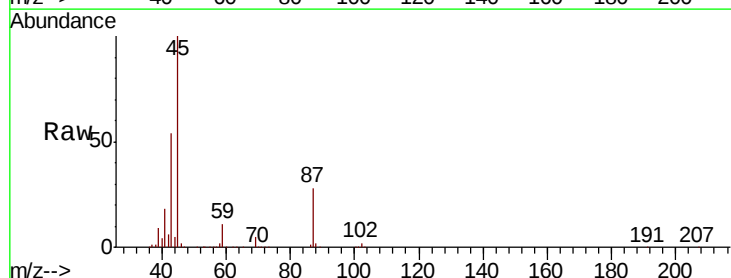
Ion Ratio Lower Upper

45 100

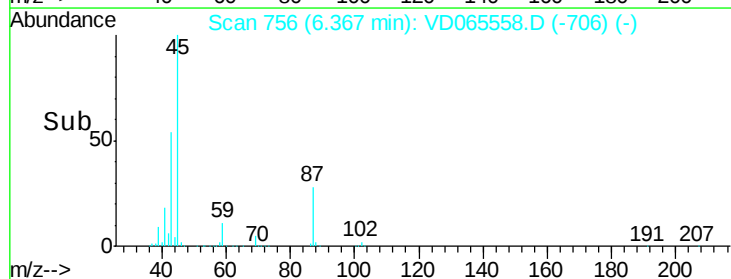
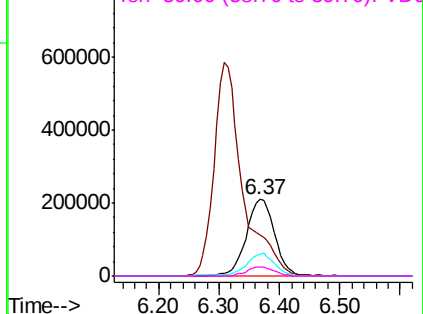
43 53.5 40.5 60.7

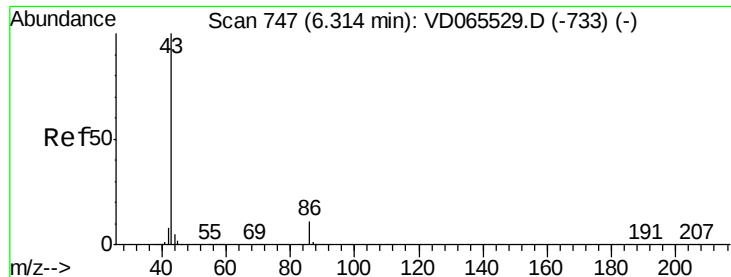
87 28.5 22.5 33.7

59 11.5 8.6 12.8



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 249.750 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

Instrument :

MSVOA_D

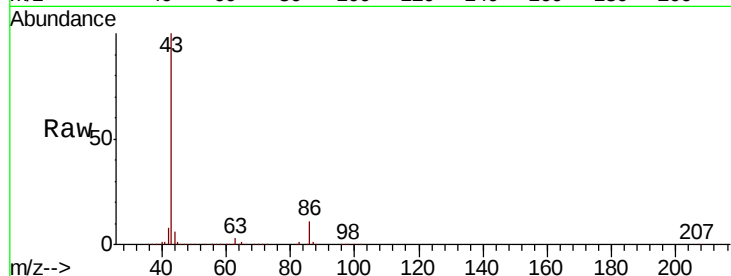
ClientSampled :

Tot Ion: 43 Resp: 1919746

Ion Ratio Lower Upper

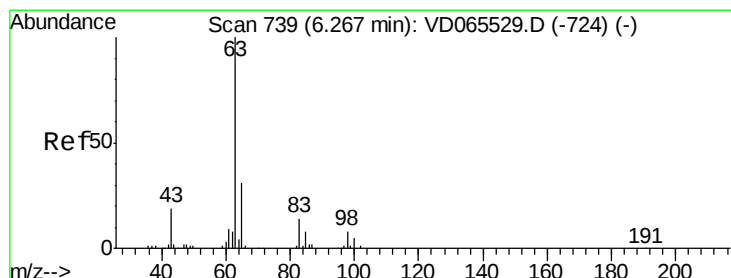
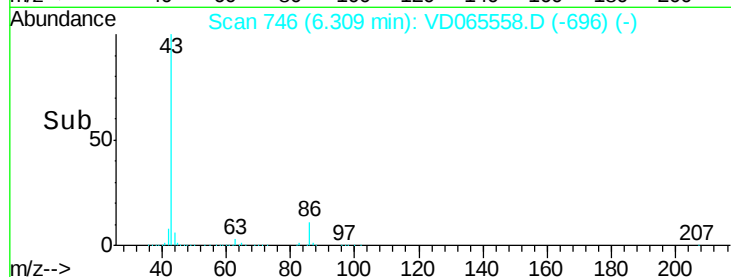
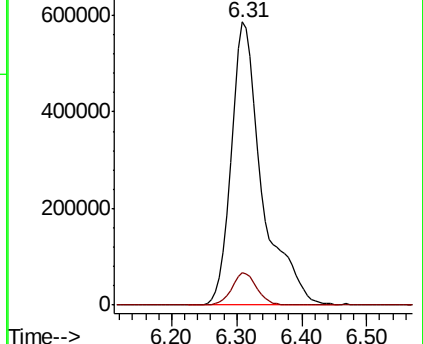
43 100

86 11.4 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 47.160 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

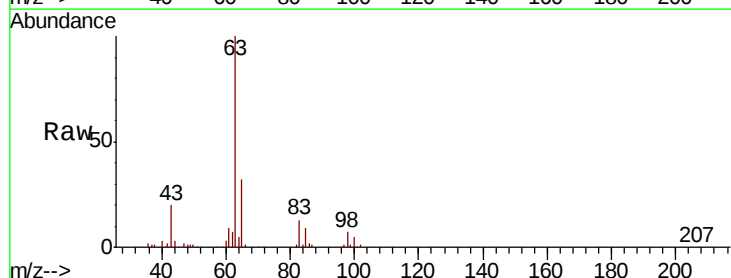
Tgt Ion: 63 Resp: 422021

Ion Ratio Lower Upper

63 100

98 7.4 4.2 12.6

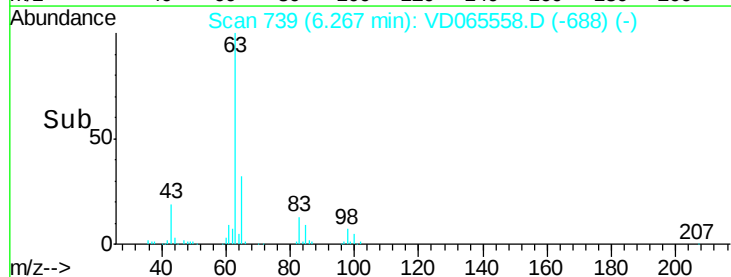
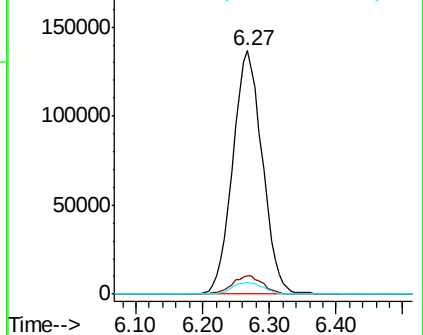
100 4.8 2.5 7.4

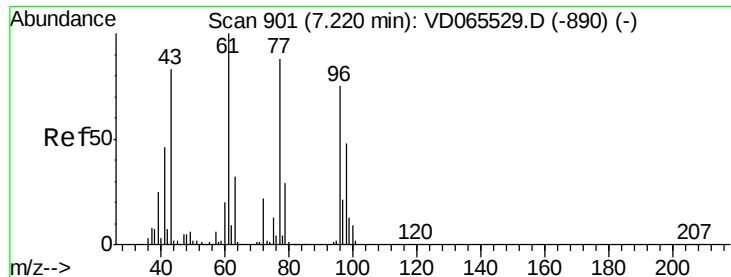


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 236.686 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

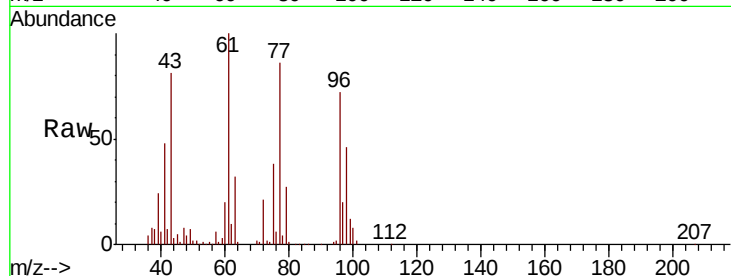
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 279509

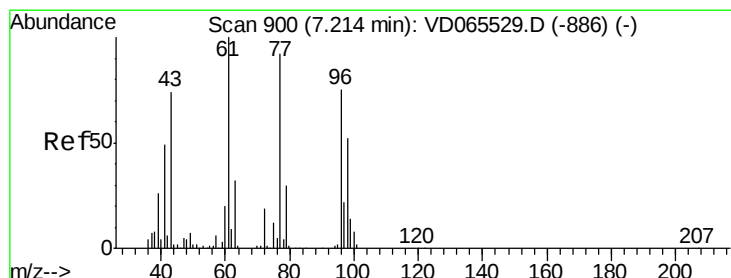
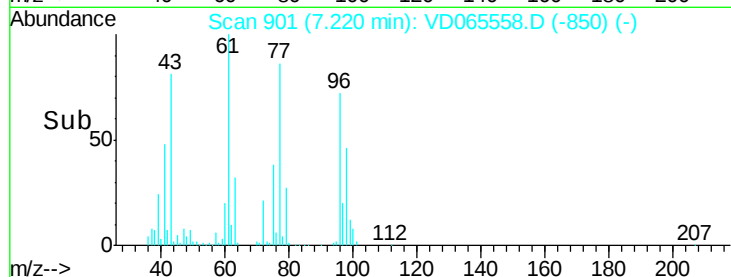
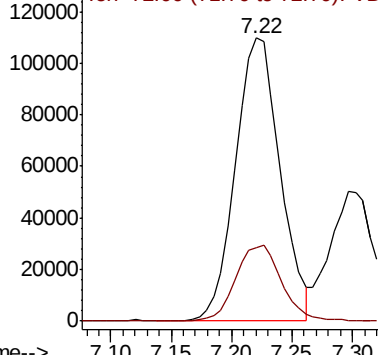
Ion Ratio Lower Upper

43 100

72 25.8 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 48.006 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065558.D

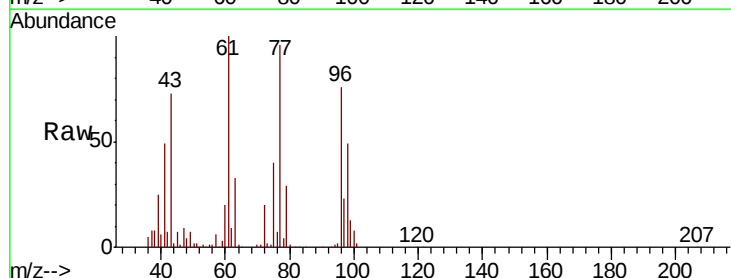
Acq: 31 Mar 2020 11:14

Tgt Ion: 77 Resp: 380420

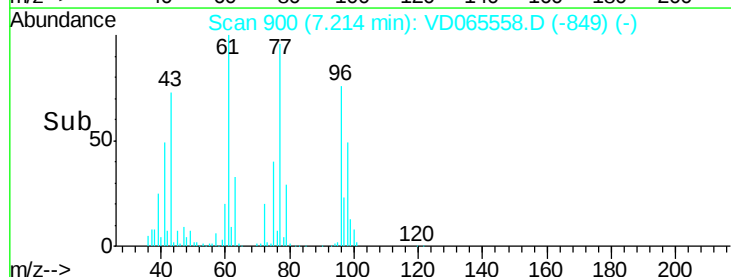
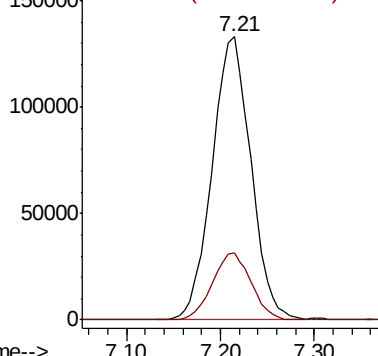
Ion Ratio Lower Upper

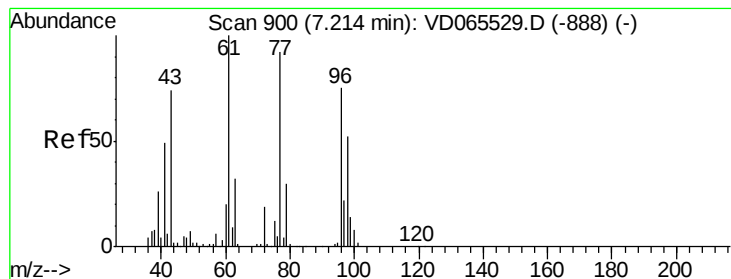
77 100

97 23.7 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



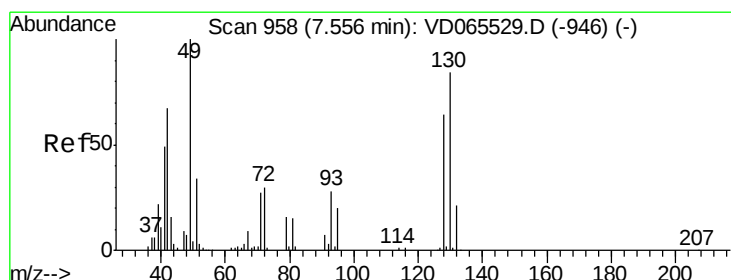
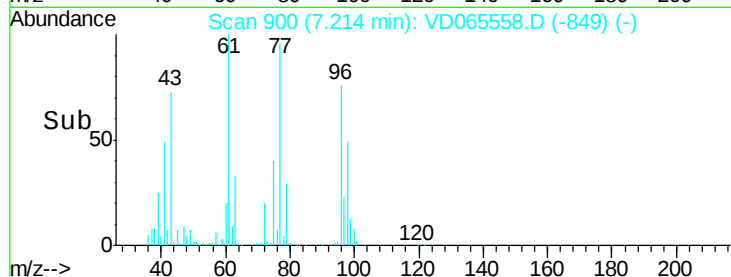
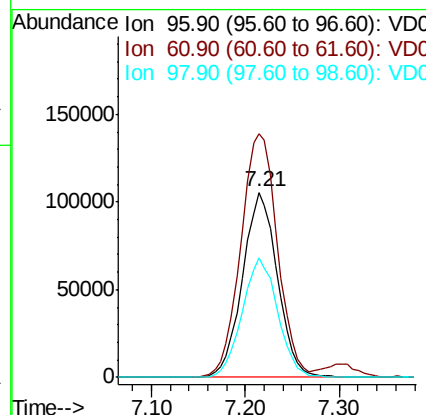
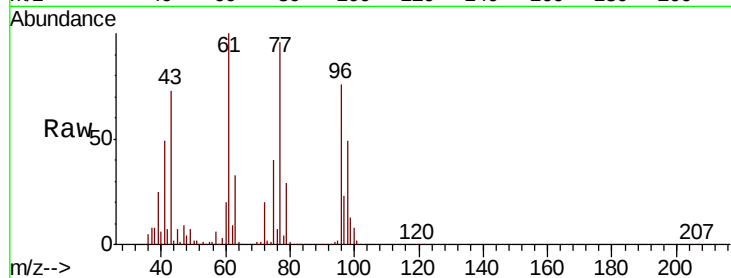


#27

cis-1,2-Dichloroethene
Concen: 47.678 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

Instrument :
MSVOA_D
ClientSampleId :

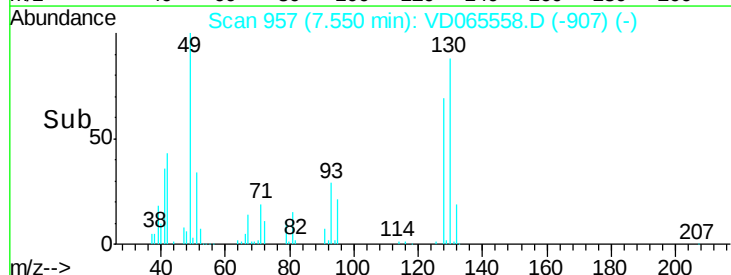
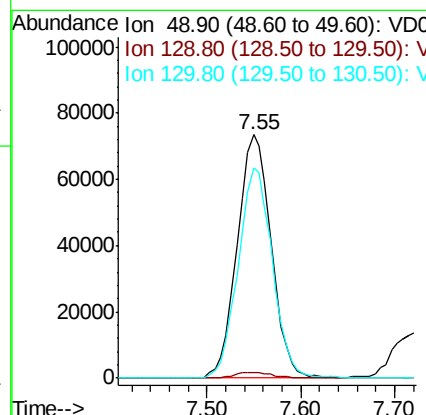
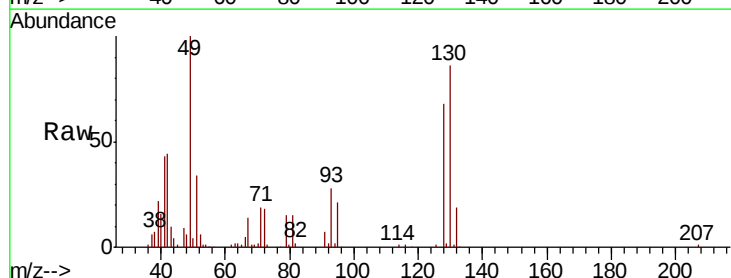
Tot Ion: 96 Resp: 271861
Ion Ratio Lower Upper
96 100
61 137.8 0.0 278.0
98 65.5 0.0 129.6

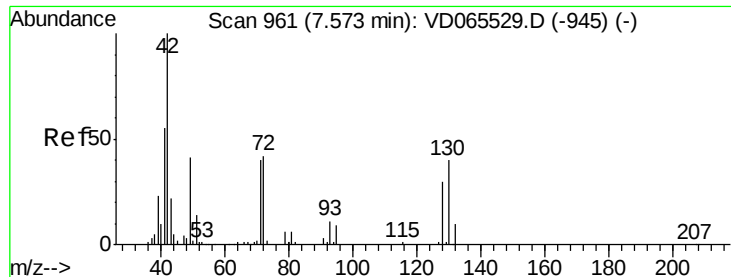


#28

Bromochloromethane
Concen: 49.445 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

Tgt Ion: 49 Resp: 183973
Ion Ratio Lower Upper
49 100
129 2.4 0.0 4.4
130 87.1 69.7 104.5

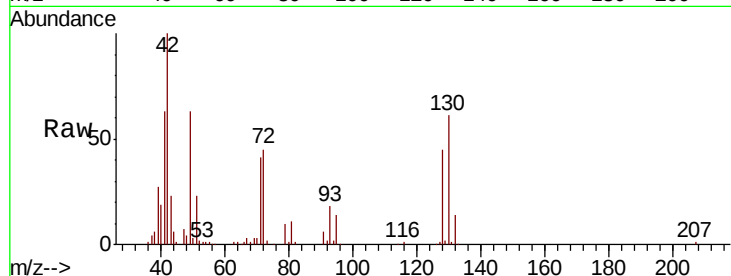




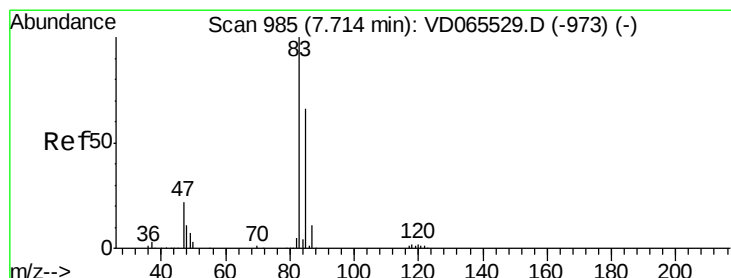
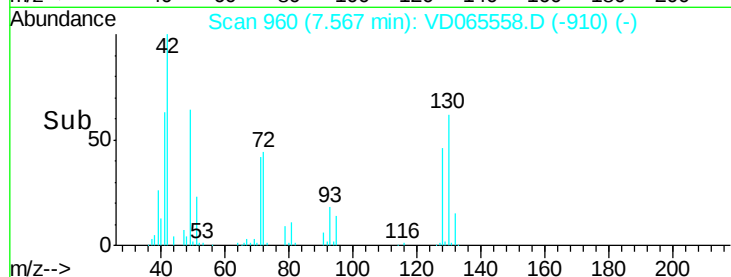
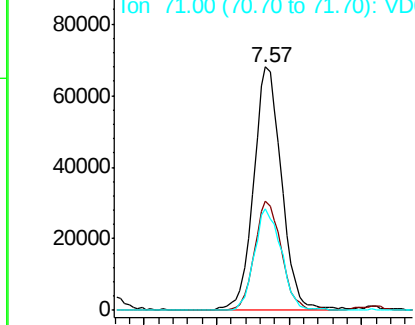
#29
Tetrahydrofuran
Concen: 238.042 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 182192
Ion Ratio Lower Upper
42 100
72 43.4 35.0 52.6
71 40.6 33.0 49.6

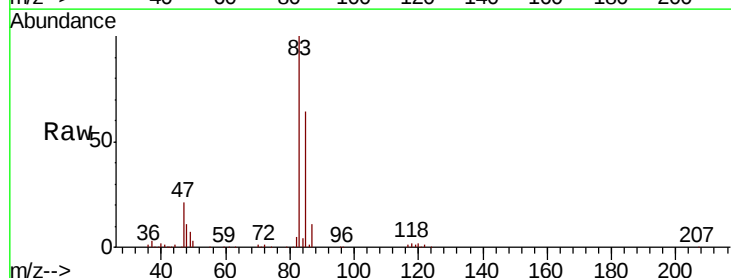


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

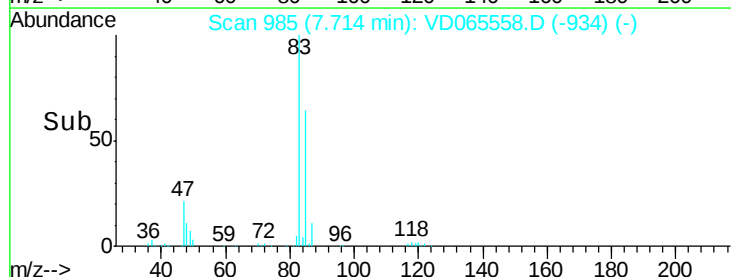
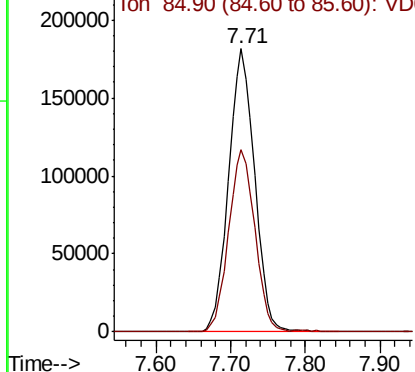


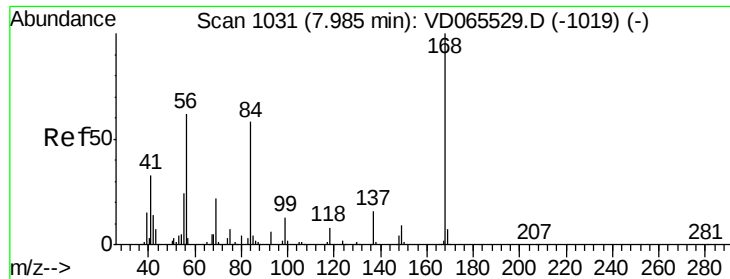
#30
Chloroform
Concen: 47.604 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

Tgt Ion: 83 Resp: 441275
Ion Ratio Lower Upper
83 100
85 64.3 52.9 79.3



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC

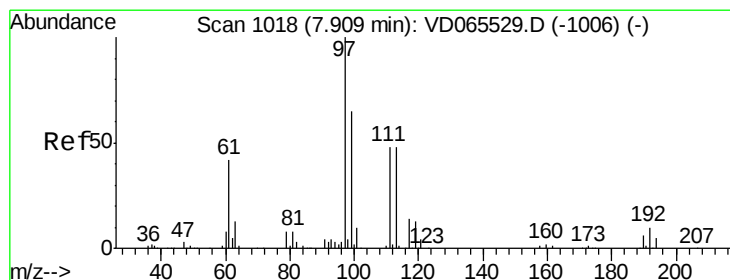
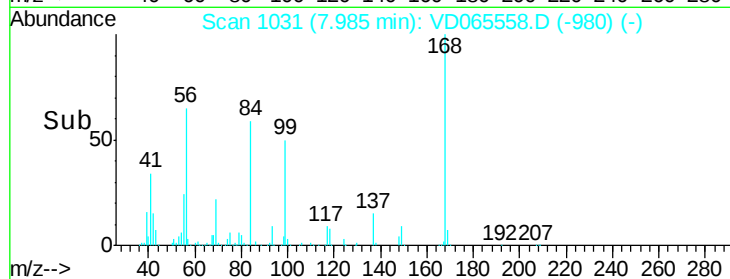
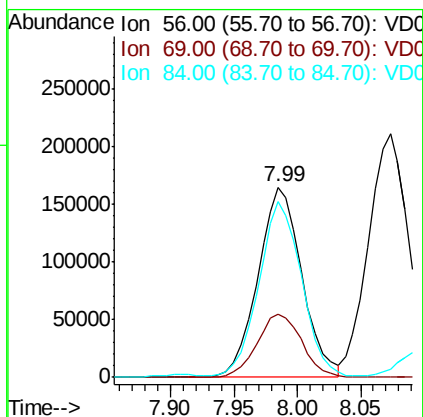
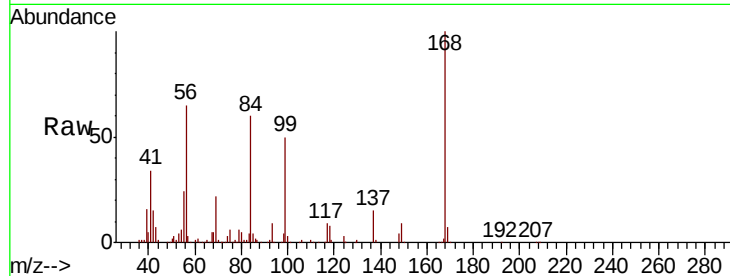




#31
Cyclohexane
Concen: 45.764 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

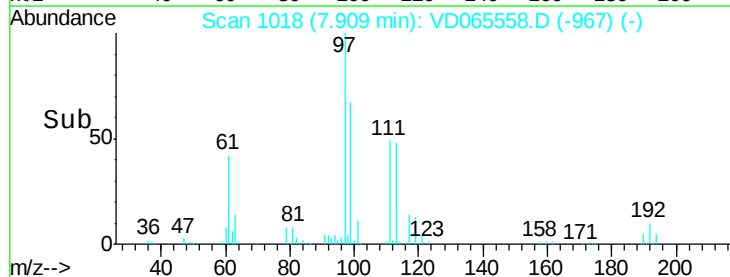
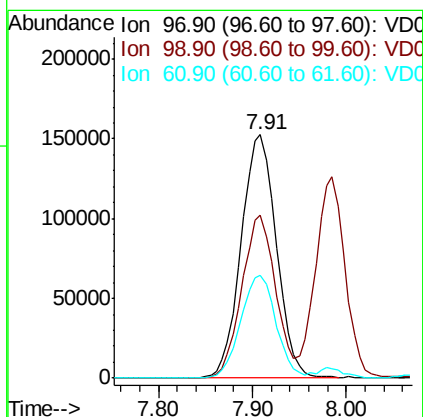
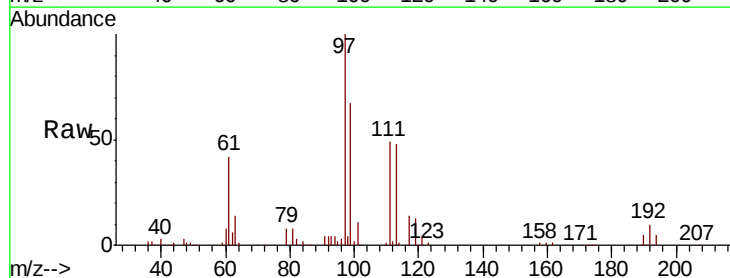
Instrument :
MSVOA_D
ClientSampleId :

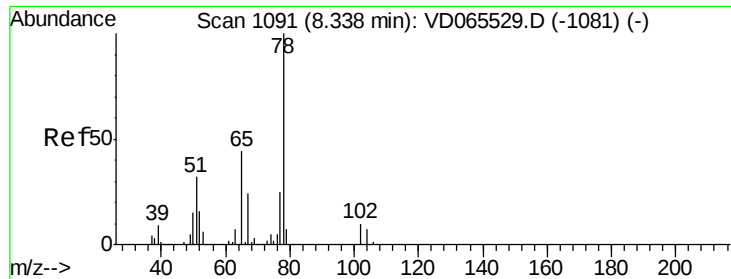
Tot Ion: 56 Resp: 396450
Ion Ratio Lower Upper
56 100
69 33.2 28.2 42.4
84 91.0 73.4 110.0



#32
1,1,1-Trichloroethane
Concen: 47.360 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

Tgt Ion: 97 Resp: 396618
Ion Ratio Lower Upper
97 100
99 64.3 51.2 76.8
61 42.2 33.4 50.2

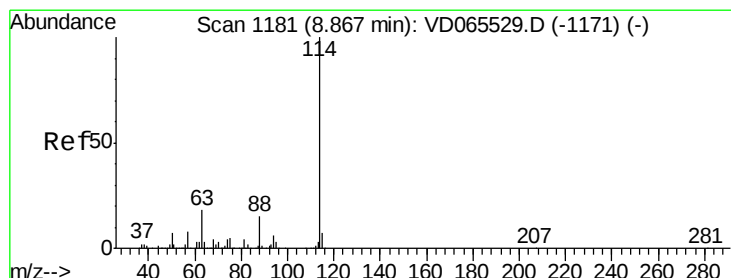
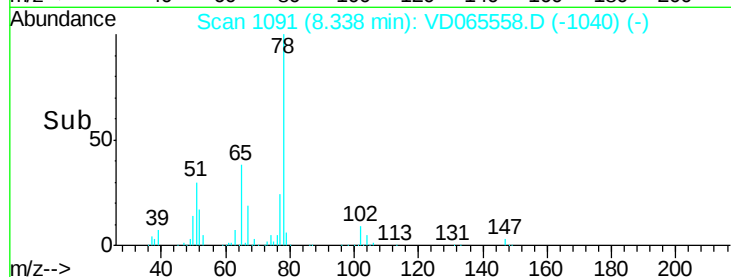
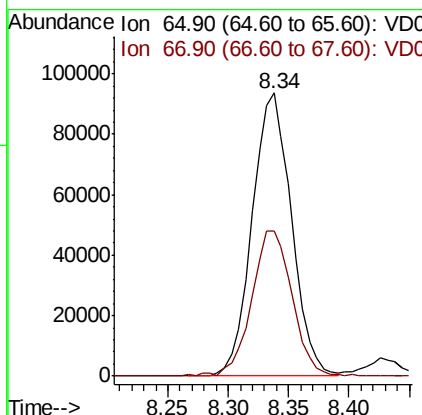
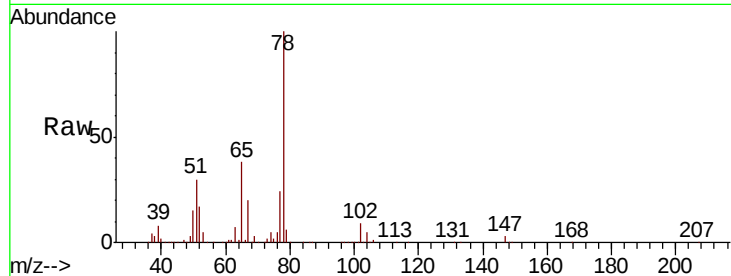




#33
 1,2-Dichloroethane-d4
 Concen: 45.781 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065558.D
 Acq: 31 Mar 2020 11:14

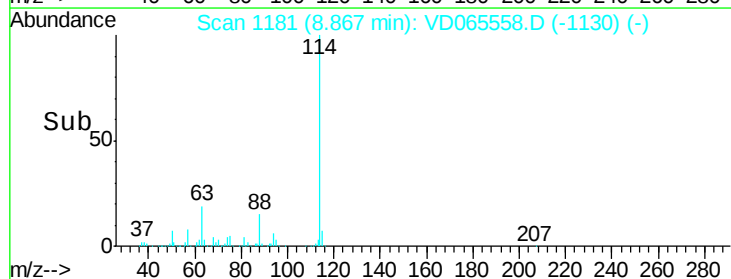
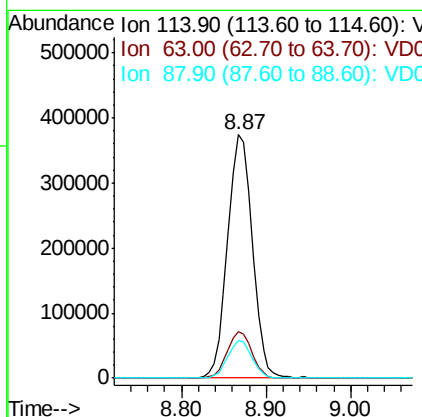
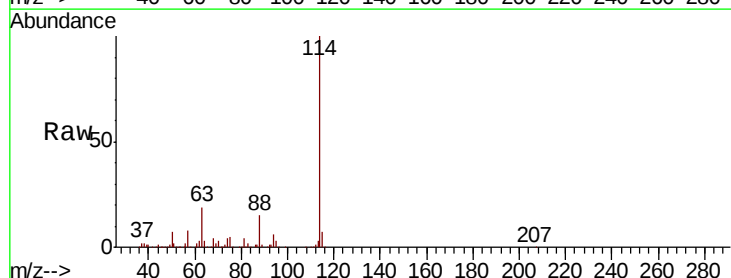
Instrument :
 MSVOA_D
 ClientSampled :

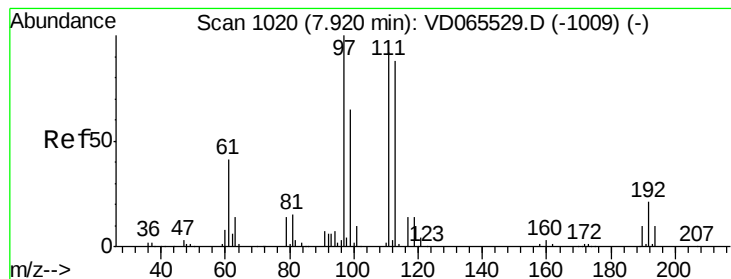
Tot Ion: 65 Resp: 210980
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065558.D
 Acq: 31 Mar 2020 11:14

Tgt Ion: 114 Resp: 760363
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 37.0
 88 15.2 0.0 30.4





#35

Dibromofluoromethane

Concen: 48.558 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

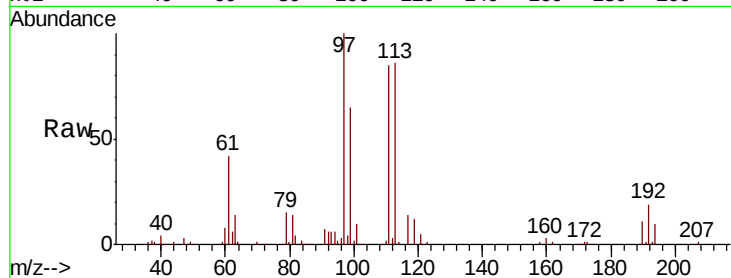
Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:113 Resp: 227899

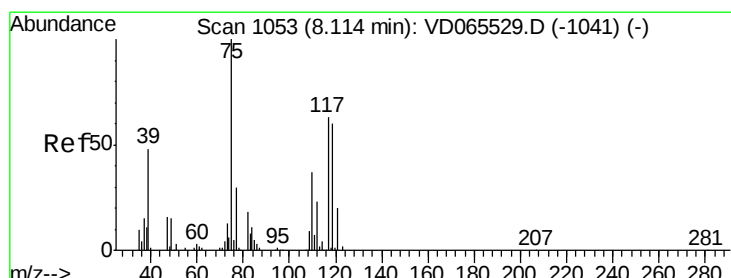
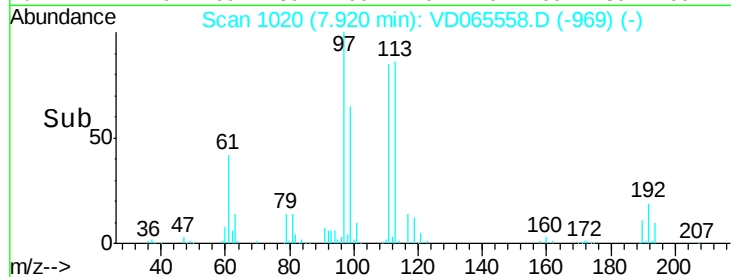
Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.3	124.9
192	21.9	18.5	27.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.669 ug/l

RT: 8.12 min Scan# 1054

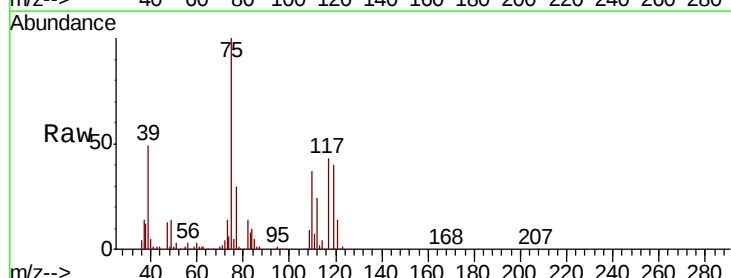
Delta R.T. 0.01 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

Tgt Ion: 75 Resp: 352004

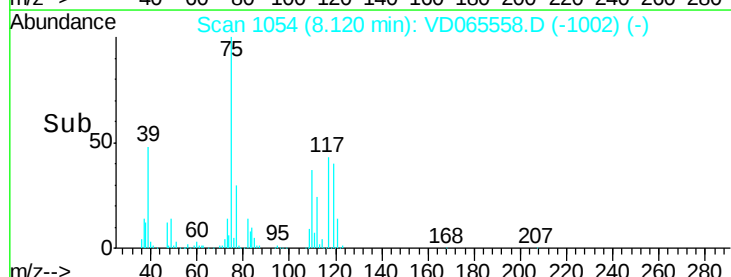
Ion	Ratio	Lower	Upper
75	100		
110	37.4	18.8	56.4
77	30.6	25.1	37.7

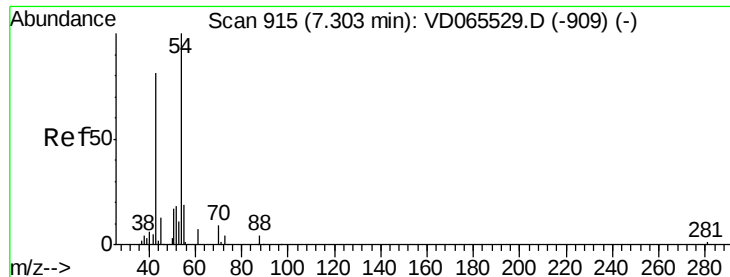


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

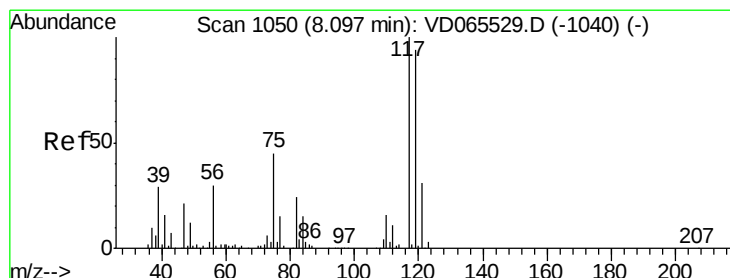
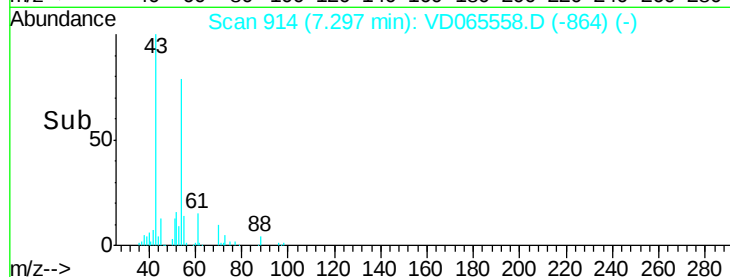
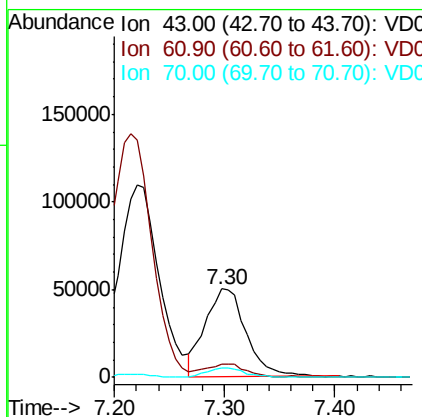
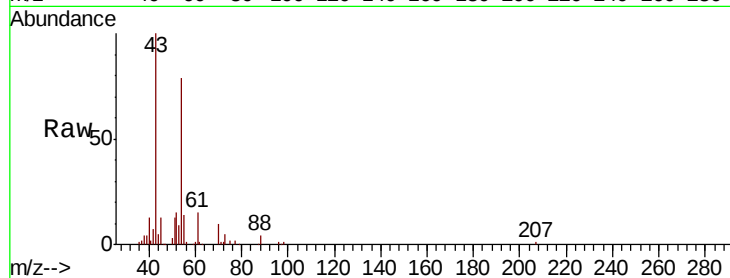




#37
Ethyl Acetate
Concen: 47.981 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

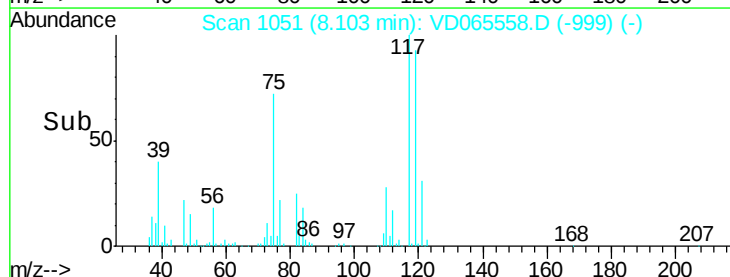
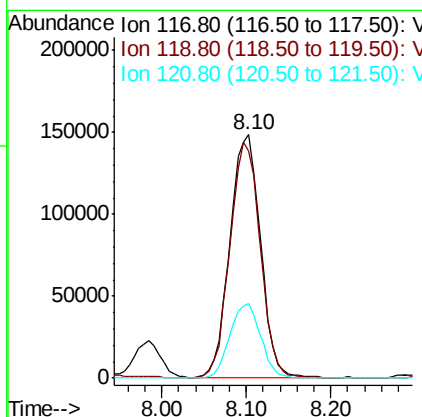
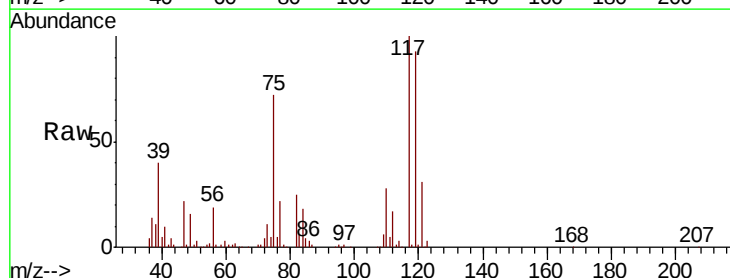
Instrument :
MSVOA_D
ClientSampleId :

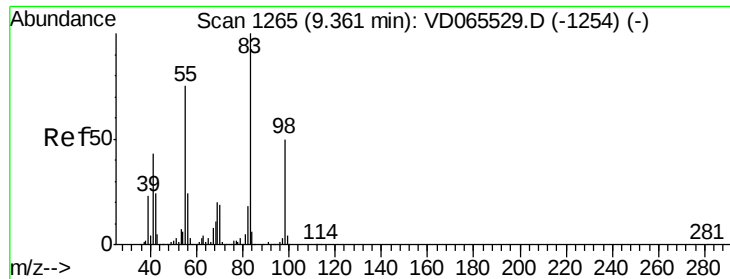
Tot Ion: 43 Resp: 127593
Ion Ratio Lower Upper
43 100
61 13.7 12.2 18.4
70 9.6 8.4 12.6



#38
Carbon Tetrachloride
Concen: 50.502 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

Tgt Ion: 117 Resp: 369527
Ion Ratio Lower Upper
117 100
119 93.6 75.2 112.8
121 30.8 24.5 36.7

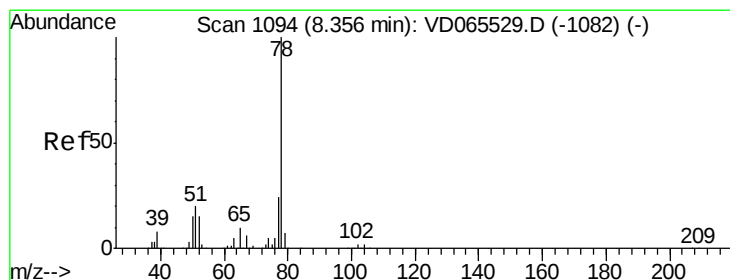
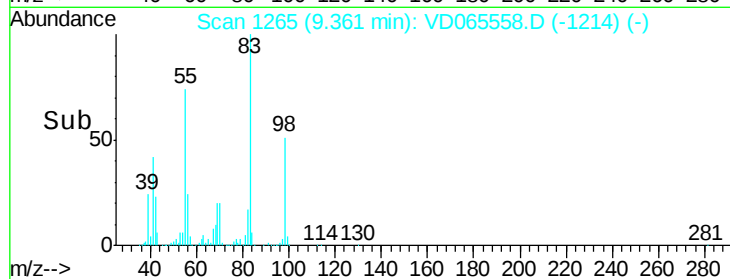
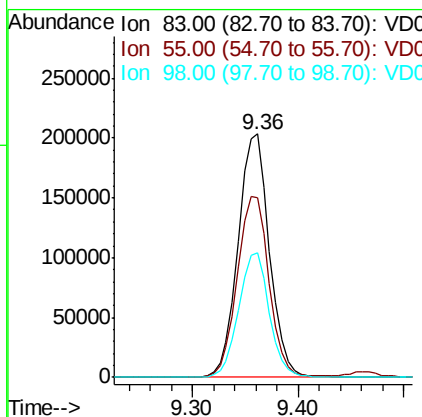
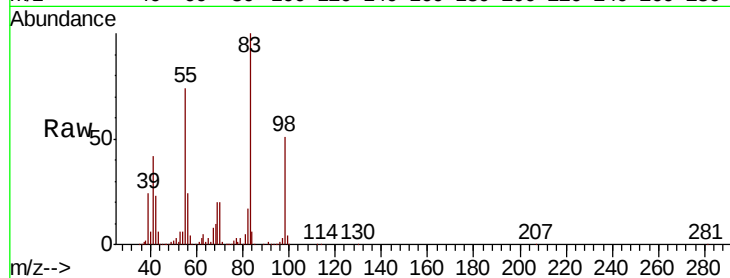




#39
Methvlcvclohexane
Concen: 51.106 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

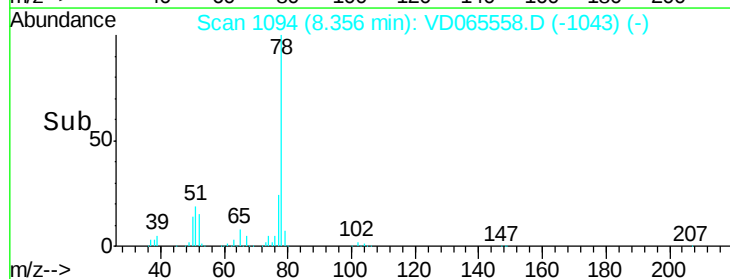
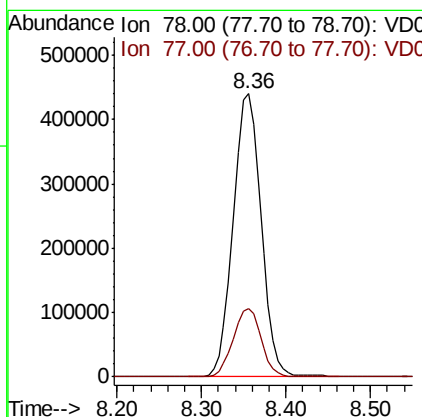
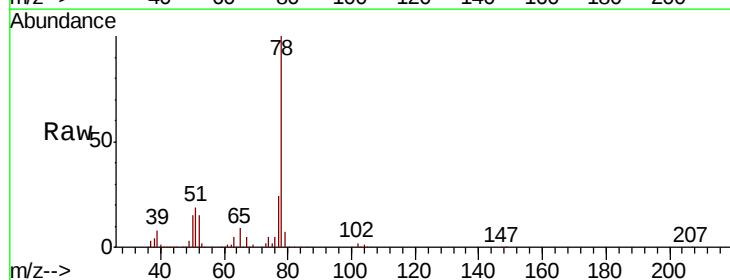
Instrument :
MSVOA_D
ClientSampleId :

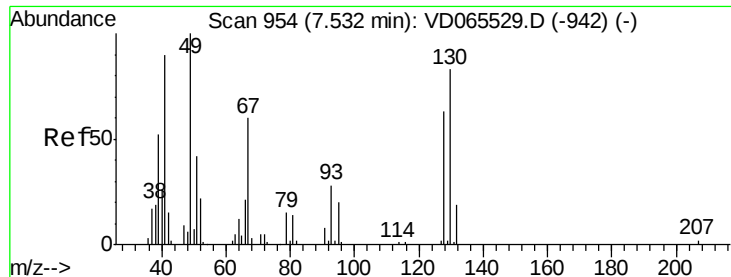
Tot Ion: 83 Resp: 418587
Ion Ratio Lower Upper
83 100
55 73.7 59.7 89.5
98 51.0 40.2 60.2



#40
Benzene
Concen: 50.766 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

Tgt Ion: 78 Resp: 1006379
Ion Ratio Lower Upper
78 100
77 24.2 19.1 28.7

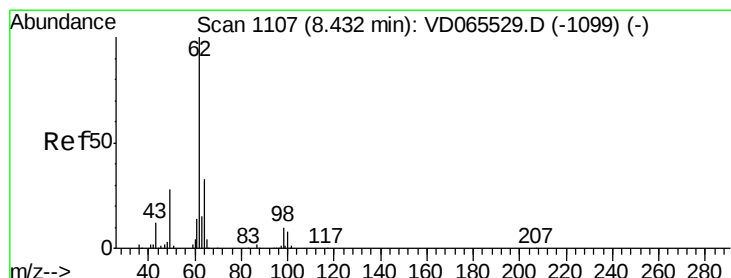
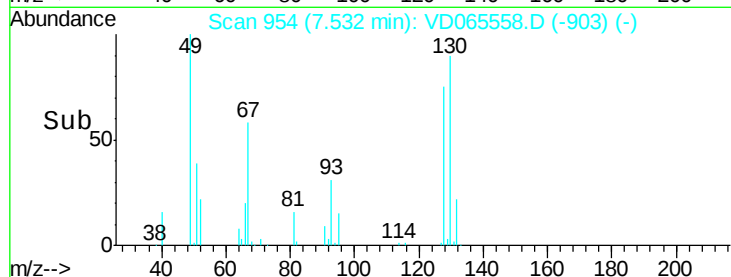
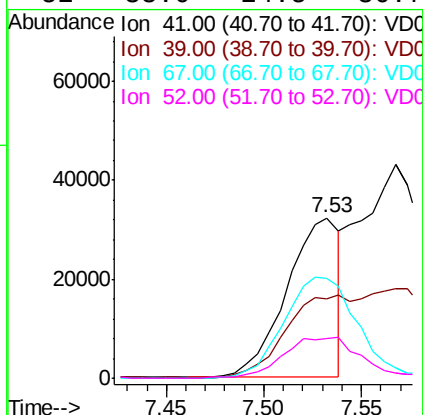
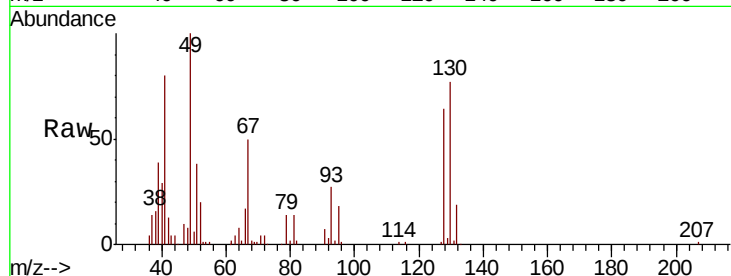




#41
Methacrylonitrile
Concen: 39.636 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

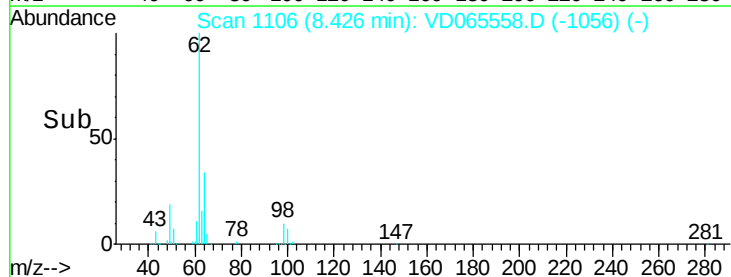
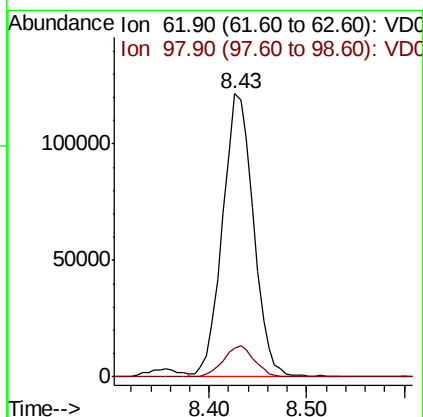
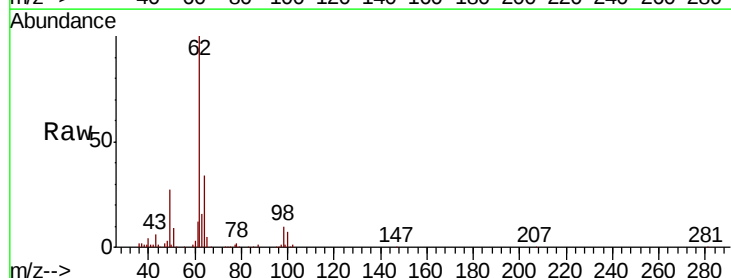
Instrument :
MSVOA_D
ClientSampled :

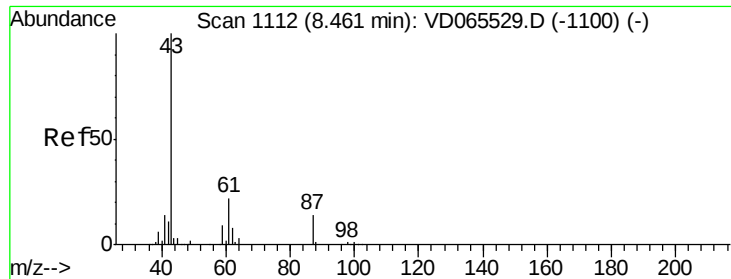
Tot Ion: 41 Resp: 60843
Ion Ratio Lower Upper
41 100
39 63.1 42.9 64.3
67 88.0 60.5 90.7
52 38.0 24.5 36.7#



#42
1,2-Dichloroethane
Concen: 50.549 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

Tgt Ion: 62 Resp: 266646
Ion Ratio Lower Upper
62 100
98 10.9 0.0 21.8





#43

Isopropyl Acetate

Concen: 47.794 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

Instrument :

MSVOA_D

ClientSampled :

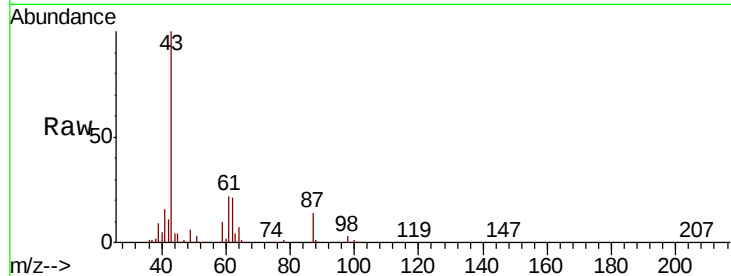
Tot Ion: 43 Resp: 230798

Ion Ratio Lower Upper

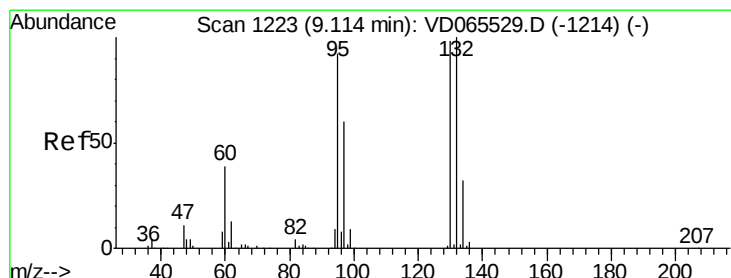
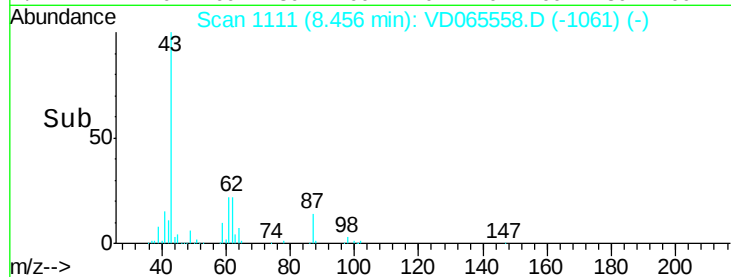
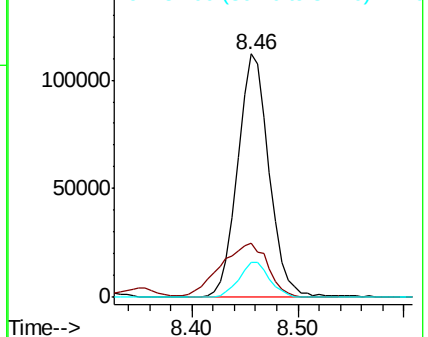
43 100

61 33.7 25.0 37.4

87 14.2 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 49.090 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065558.D

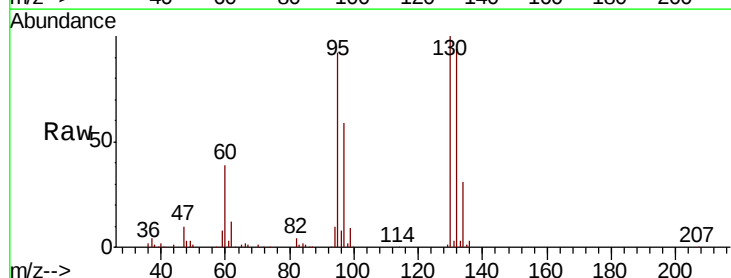
Acq: 31 Mar 2020 11:14

Tgt Ion:130 Resp: 282364

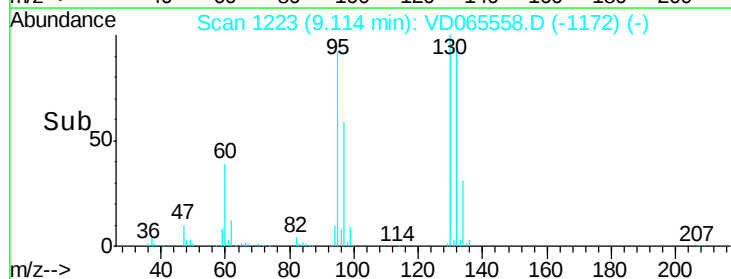
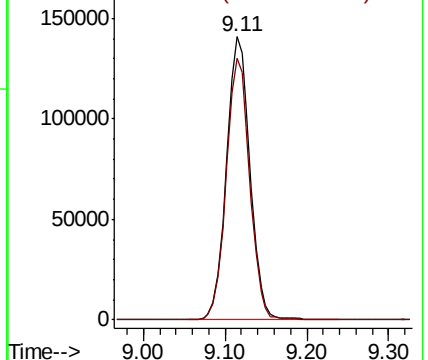
Ion Ratio Lower Upper

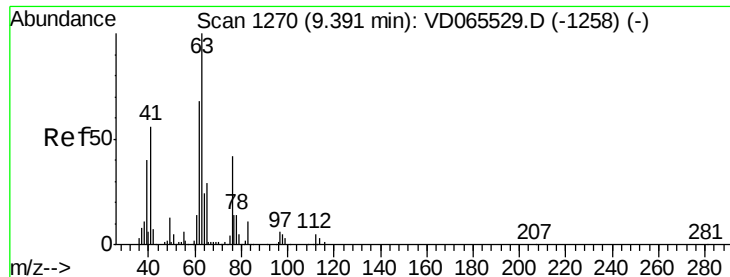
130 100

95 92.2 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 49.969 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

Instrument :

MSVOA_D

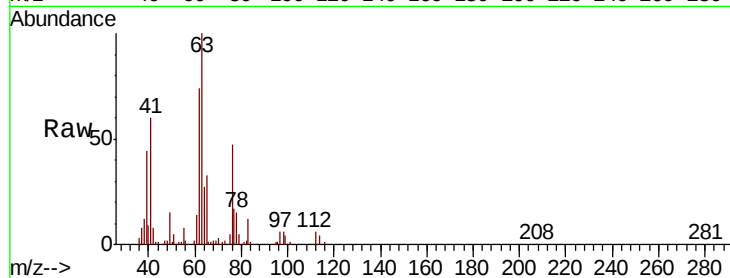
ClientSampleId :

Tot Ion: 63 Resp: 240623

Ion Ratio Lower Upper

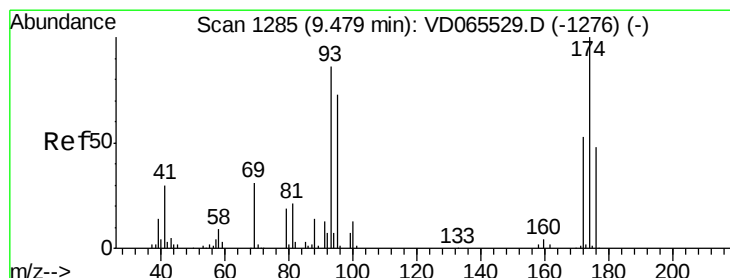
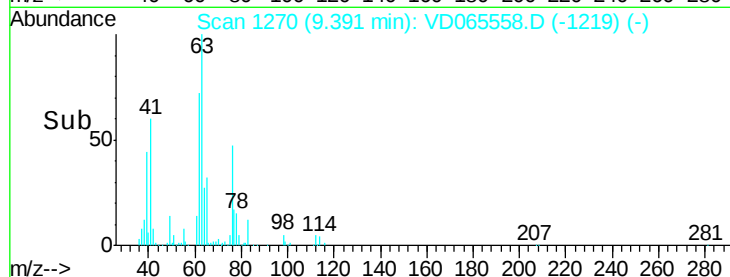
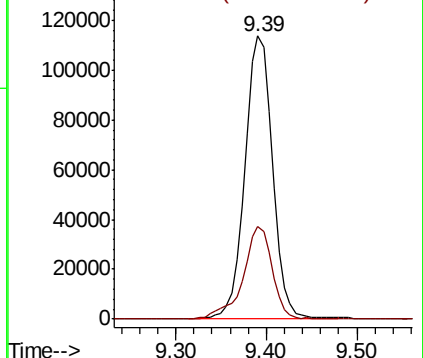
63 100

65 32.9 23.5 35.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 50.243 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

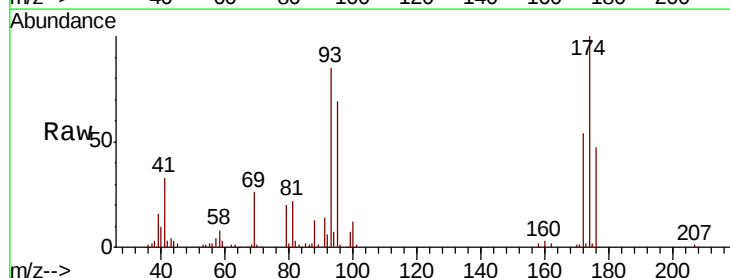
Tgt Ion: 93 Resp: 126956

Ion Ratio Lower Upper

93 100

95 84.1 67.3 100.9

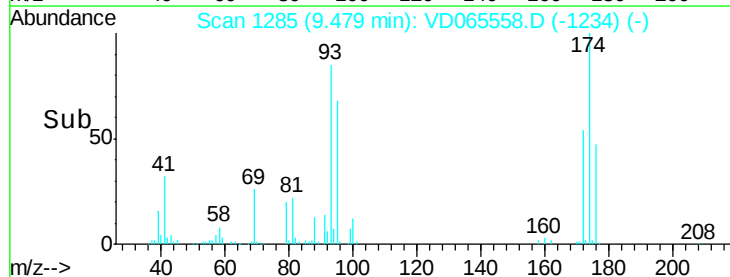
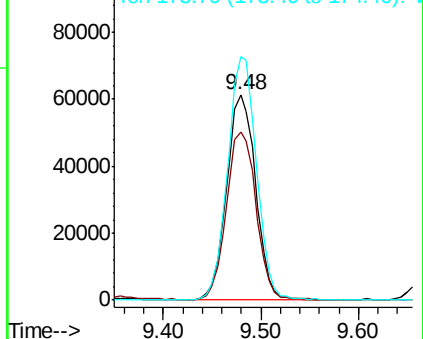
174 117.7 92.5 138.7

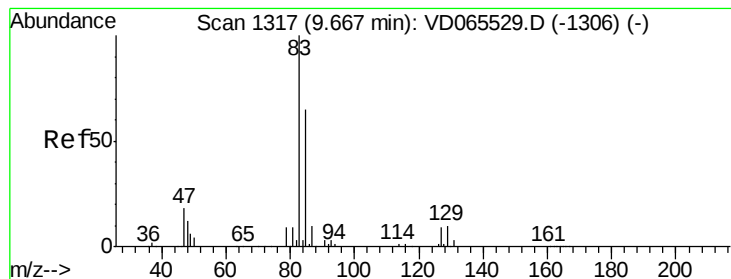


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.165 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

Instrument :

MSVOA_D

ClientSampleId :

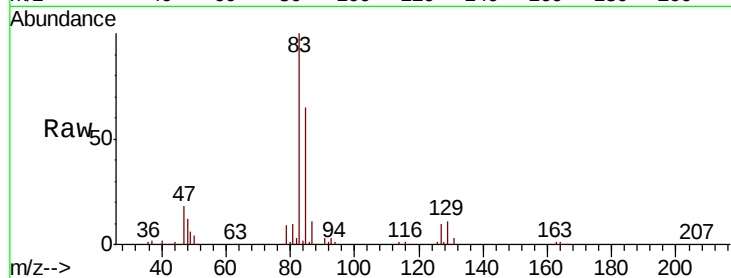
Tot Ion: 83 Resp: 335806

Ion Ratio Lower Upper

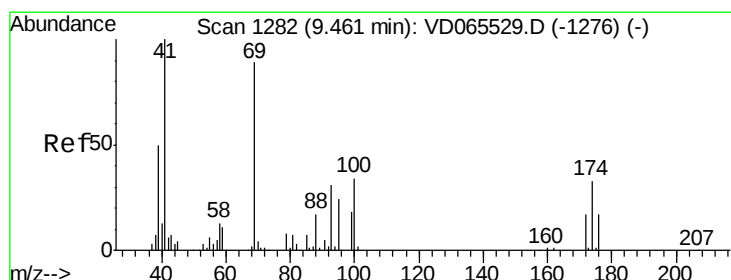
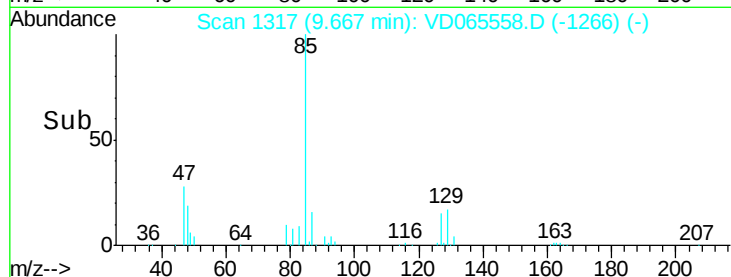
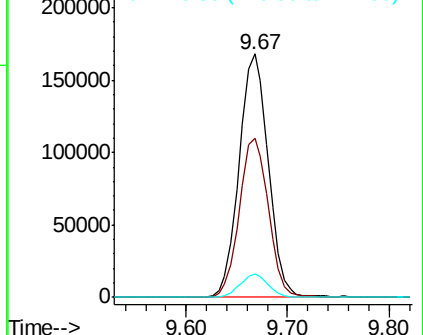
83 100

85 65.2 52.2 78.2

127 9.7 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 49.319 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

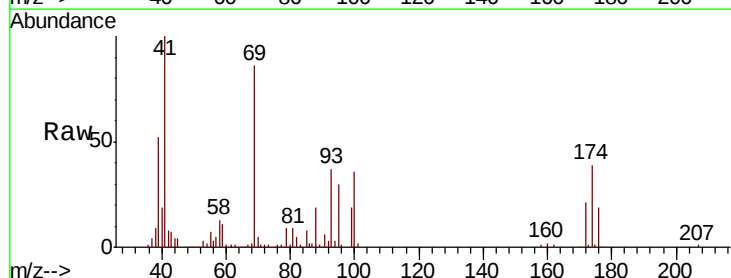
Tgt Ion: 41 Resp: 113243

Ion Ratio Lower Upper

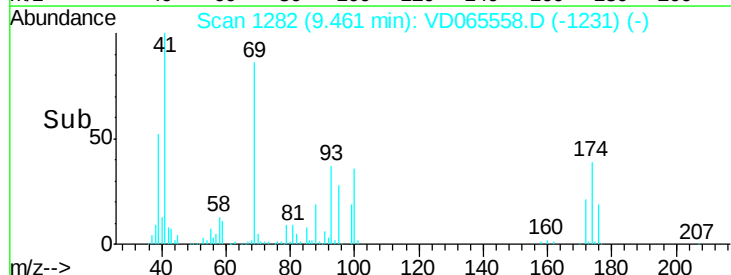
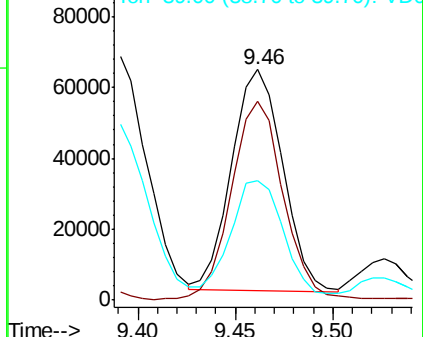
41 100

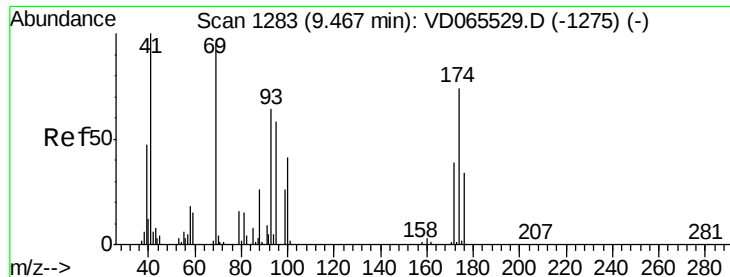
69 92.9 71.8 107.6

39 50.6 42.2 63.4



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

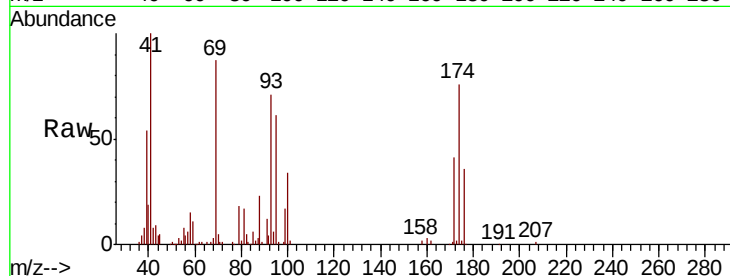




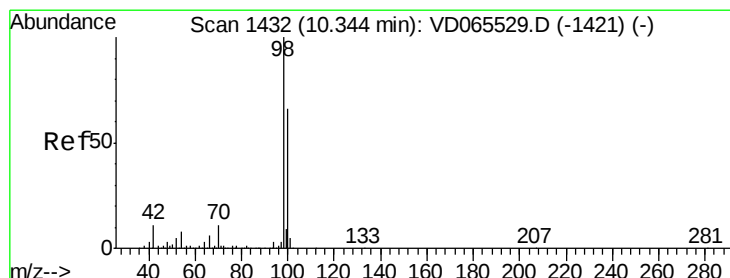
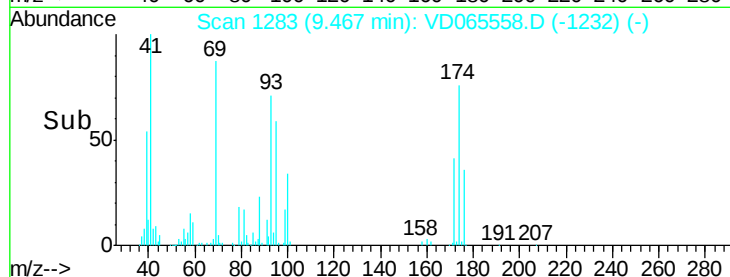
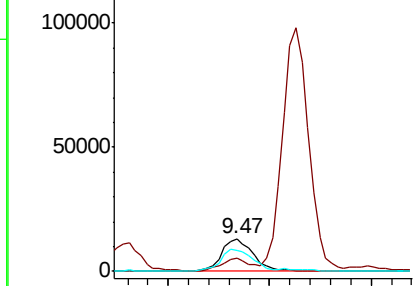
#49
1,4-Dioxane
Concen: 1041.715 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 28623
Ion Ratio Lower Upper
88 100
43 34.3 26.0 39.0
58 66.8 54.6 82.0

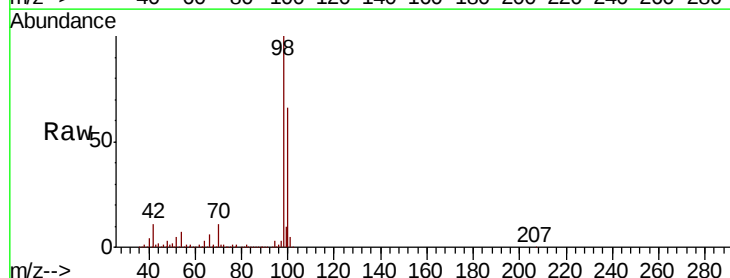


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

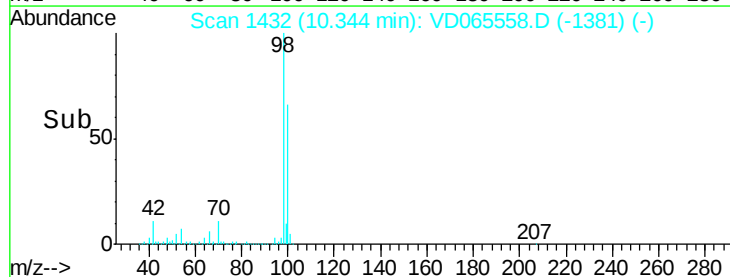
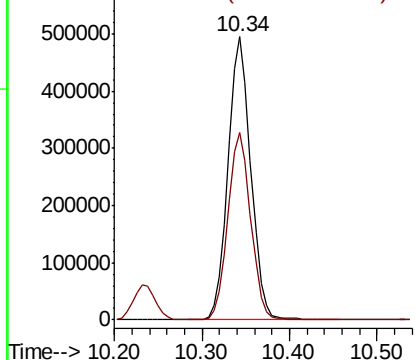


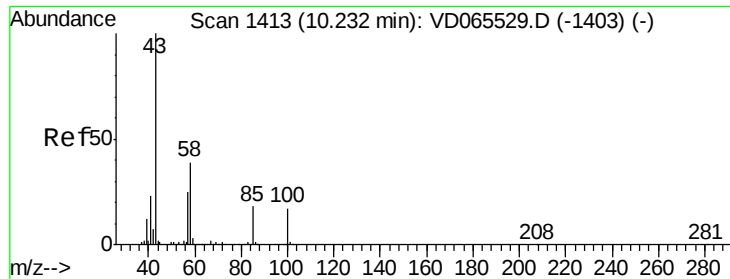
#50
Toluene-d8
Concen: 49.893 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

Tgt Ion: 98 Resp: 879122
Ion Ratio Lower Upper
98 100
100 66.2 52.2 78.2



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

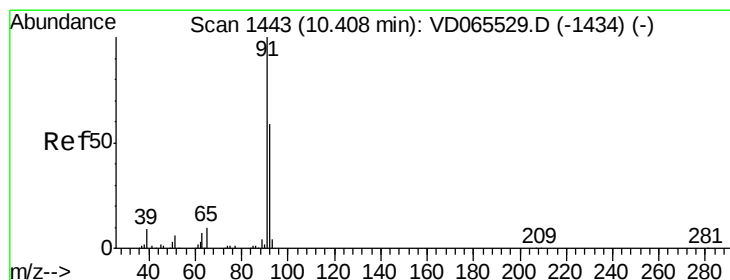
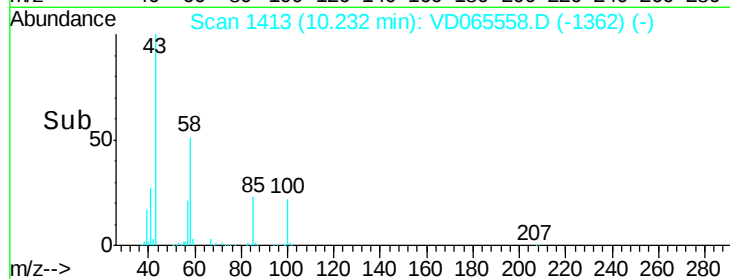
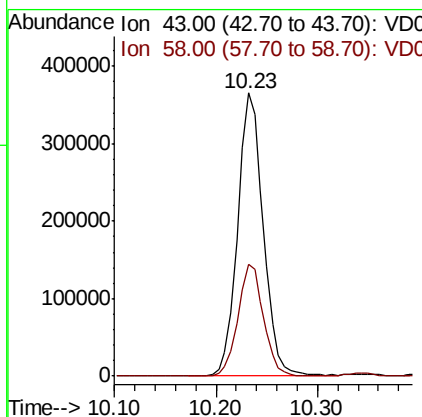
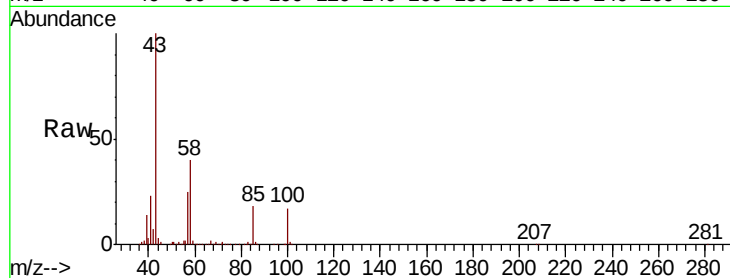




#51
4-Methyl-2-Pentanone
Concen: 262.531 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

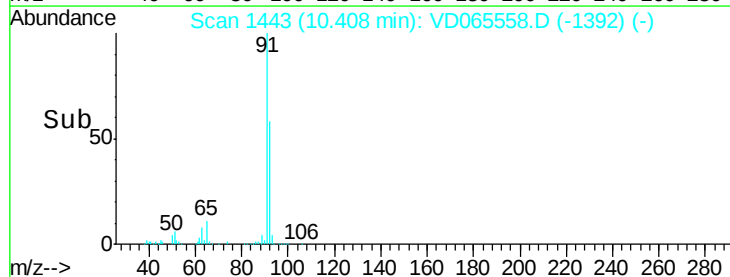
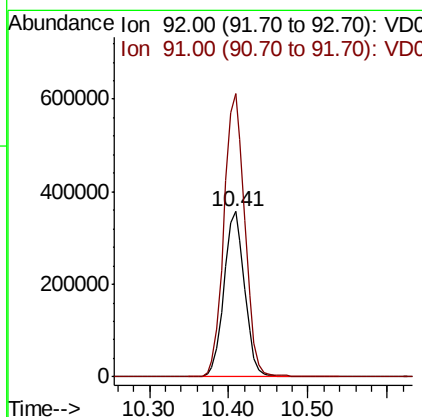
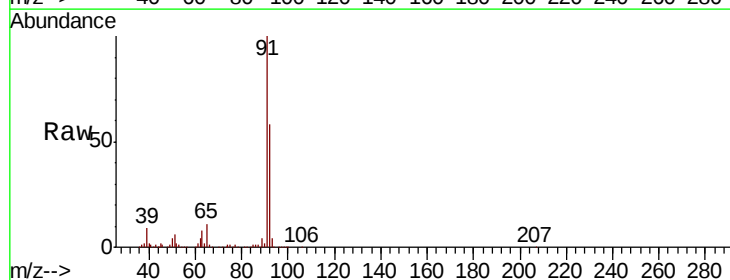
Instrument :
MSVOA_D
ClientSampled :

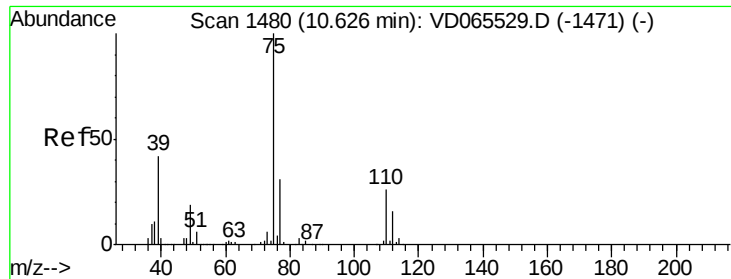
Tot Ion: 43 Resp: 639776
Ion Ratio Lower Upper
43 100
58 39.3 31.4 47.2



#52
Toluene
Concen: 51.198 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

Tgt Ion: 92 Resp: 642752
Ion Ratio Lower Upper
92 100
91 173.5 137.3 205.9

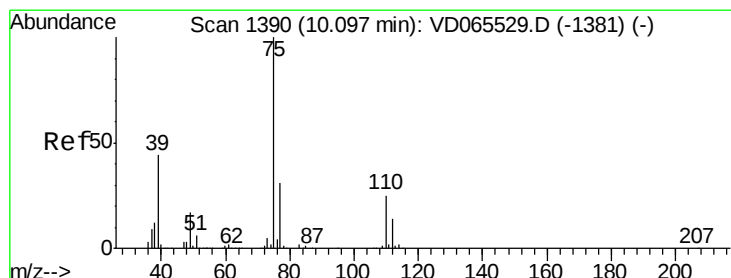
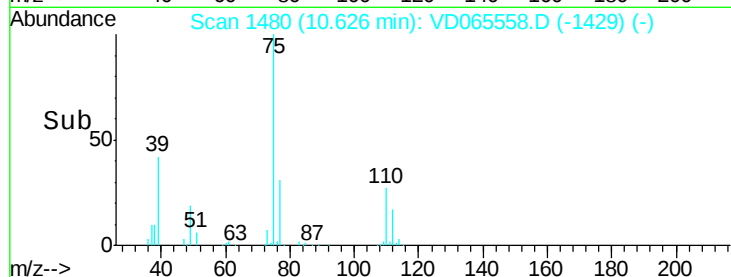
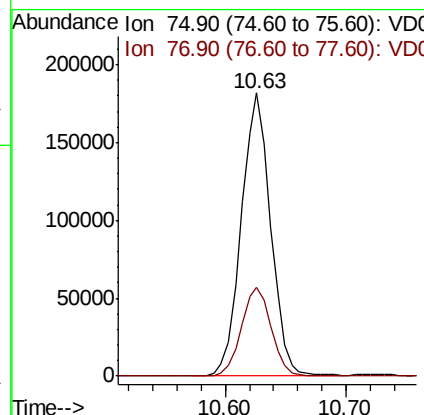
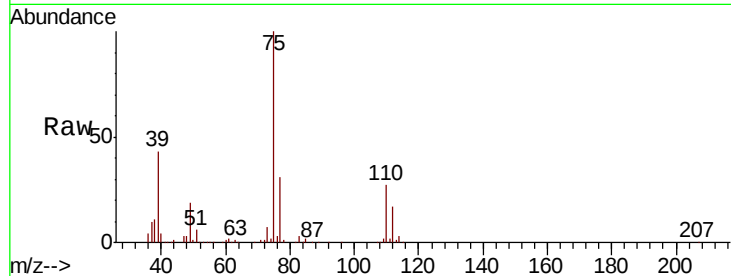




#53
t-1,3-Dichloropropene
Concen: 50.436 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

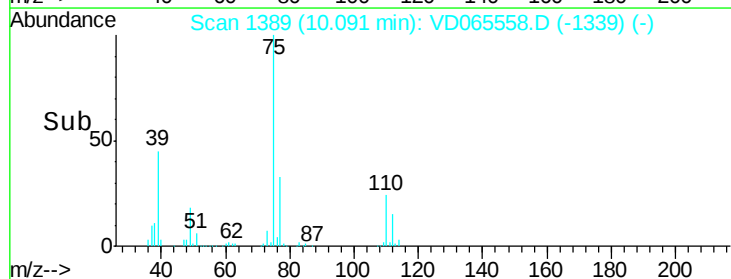
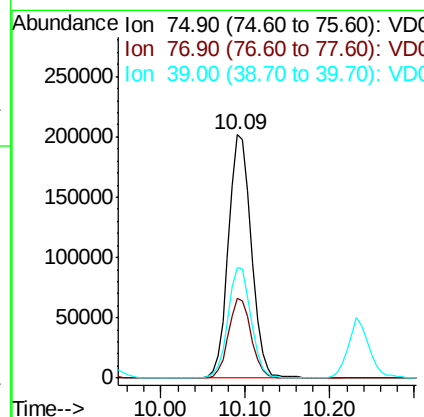
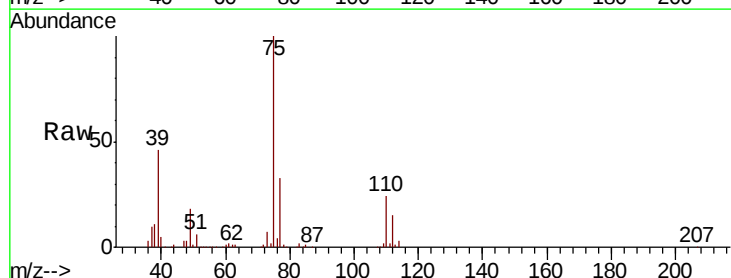
Instrument :
MSVOA_D
ClientSampleId :

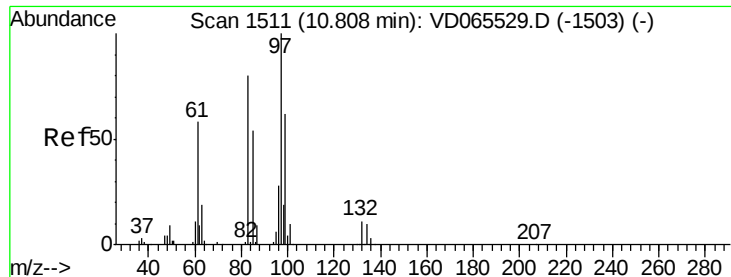
Tot Ion: 75 Resp: 308788
Ion Ratio Lower Upper
75 100
77 31.3 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 50.549 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

Tgt Ion: 75 Resp: 378646
Ion Ratio Lower Upper
75 100
77 32.9 24.6 36.8
39 45.4 35.4 53.2

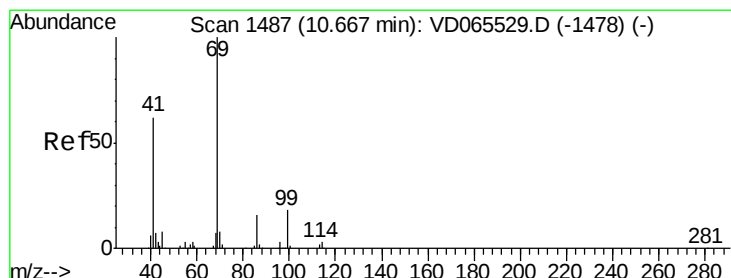
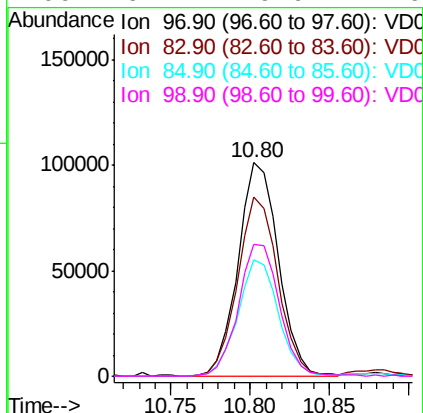
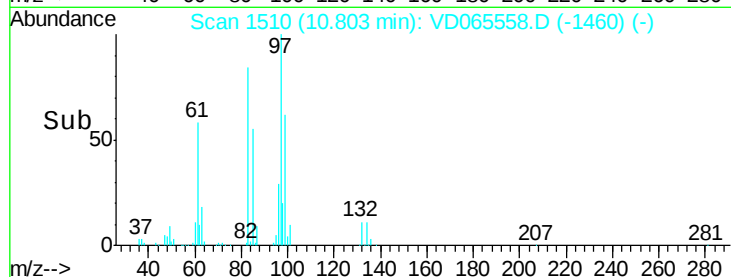
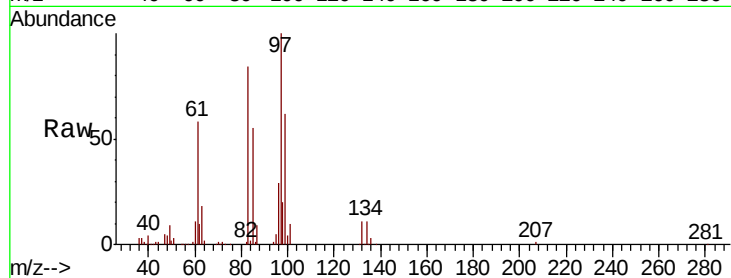




#55
 1,1,2-Trichloroethane
 Concen: 49.474 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065558.D
 Acq: 31 Mar 2020 11:14

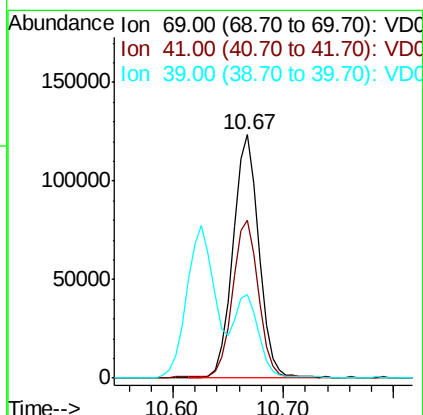
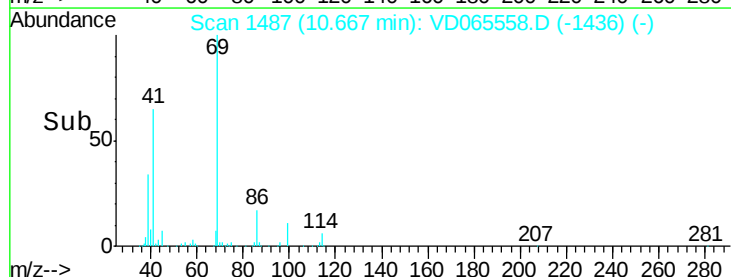
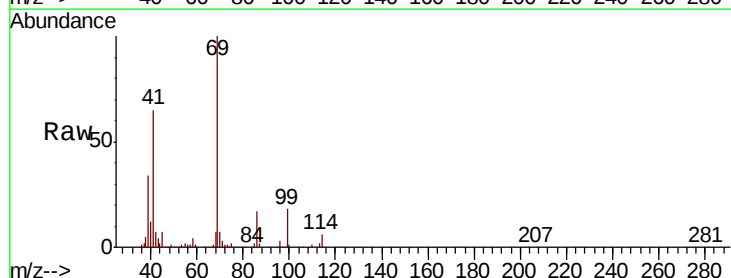
Instrument :
 MSVOA_D
 ClientSampleId :

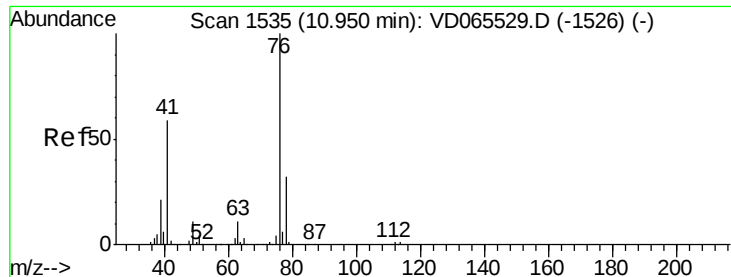
Tot Ion:	97	Resp:	178336
Ion	Ratio	Lower	Upper
97	100		
83	83.8	63.8	95.6
85	54.7	42.9	64.3
99	61.7	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 46.578 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065558.D
 Acq: 31 Mar 2020 11:14

Tgt Ion:	69	Resp:	203976
Ion	Ratio	Lower	Upper
69	100		
41	65.3	51.3	76.9
39	30.7	25.3	37.9

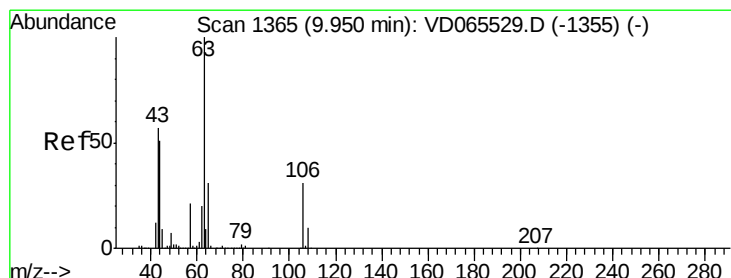
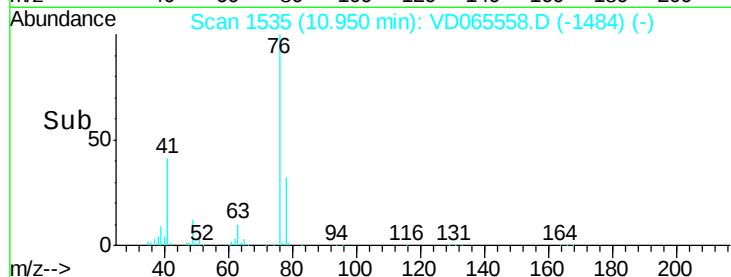
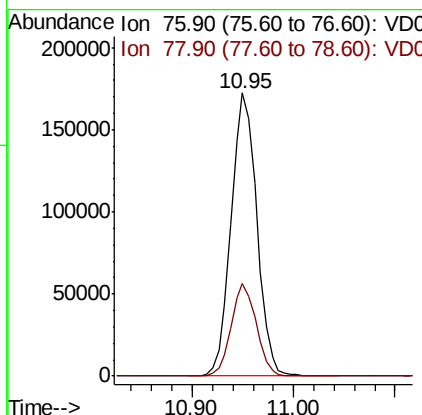
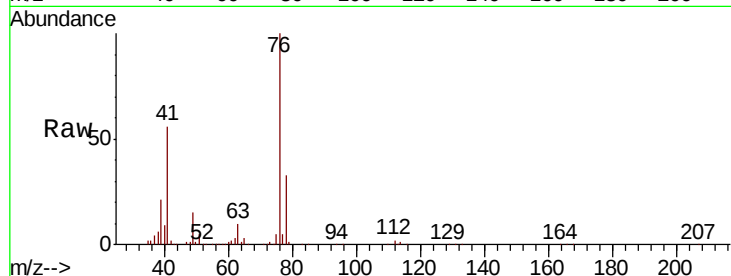




#57
 1,3-Dichloropropane
 Concen: 50.298 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065558.D
 Acq: 31 Mar 2020 11:14

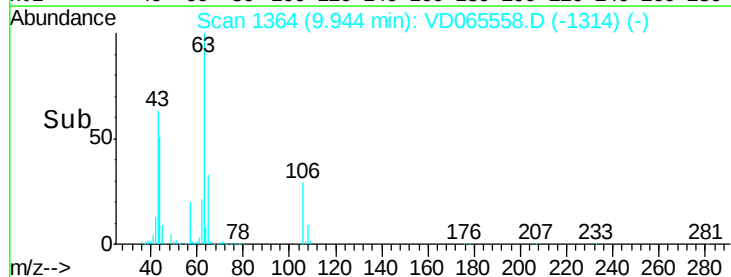
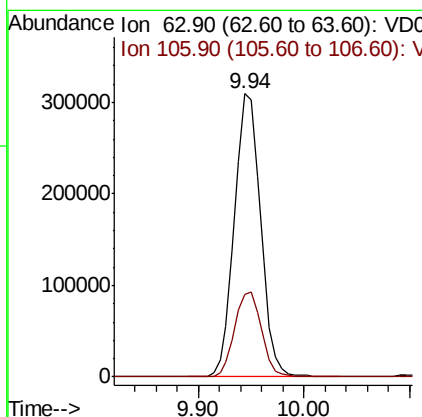
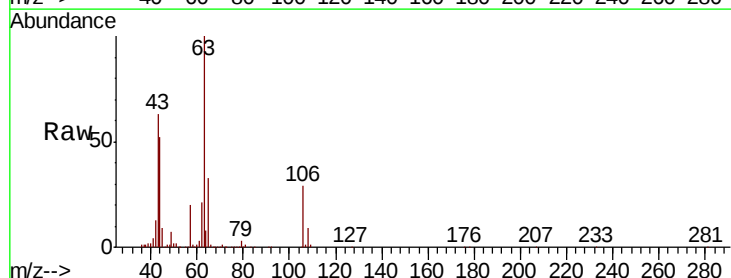
Instrument :
 MSVOA_D
 ClientSampleId :

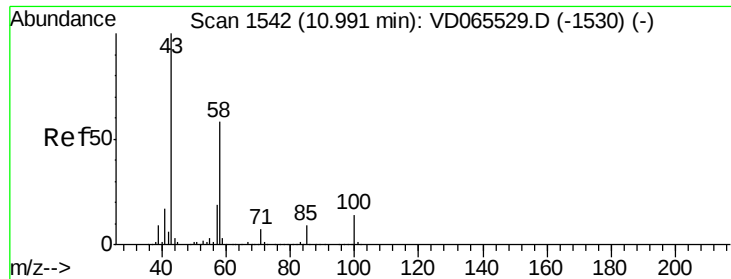
Tot Ion: 76 Resp: 305099
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.988 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065558.D
 Acq: 31 Mar 2020 11:14

Tgt Ion: 63 Resp: 531811
 Ion Ratio Lower Upper
 63 100
 106 30.7 24.3 36.5

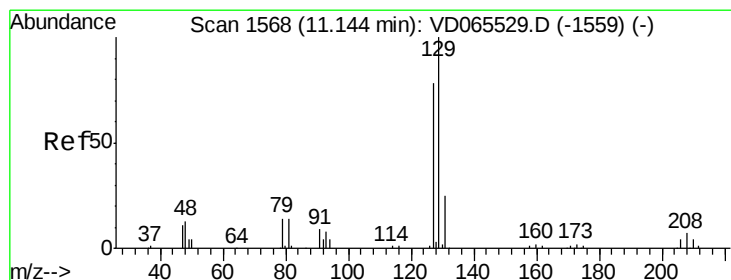
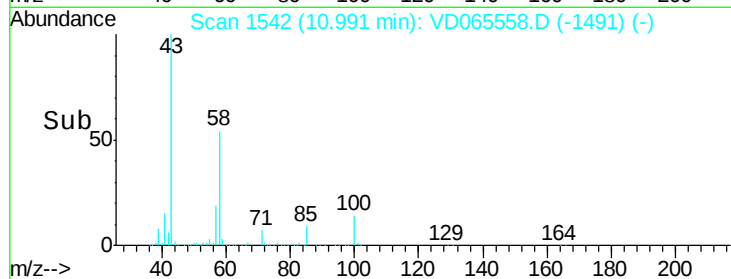
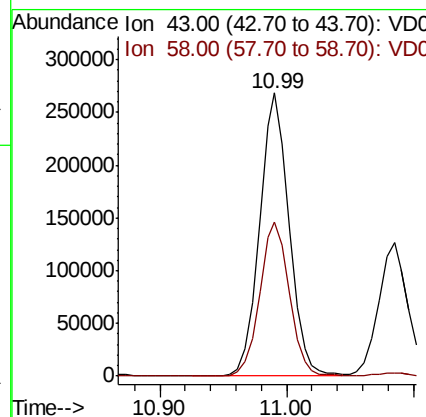
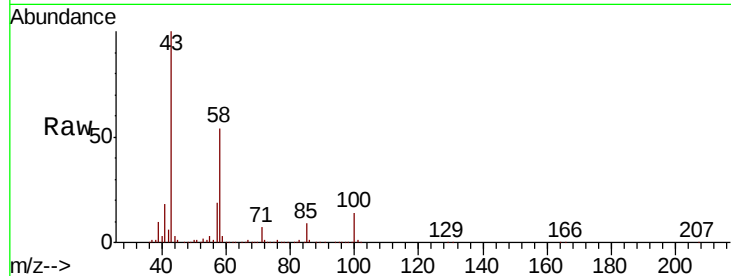




#59
2-Hexanone
Concen: 262.260 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

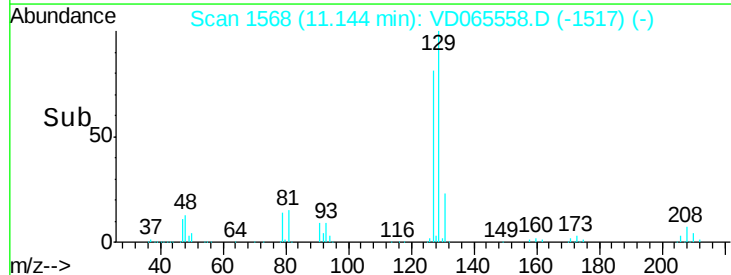
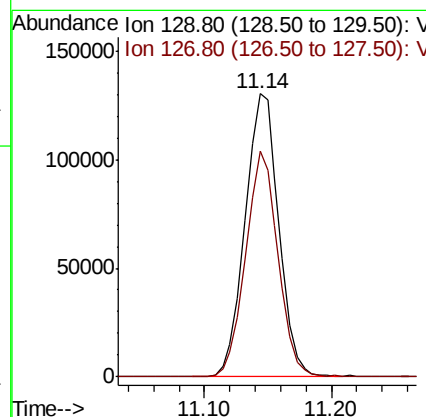
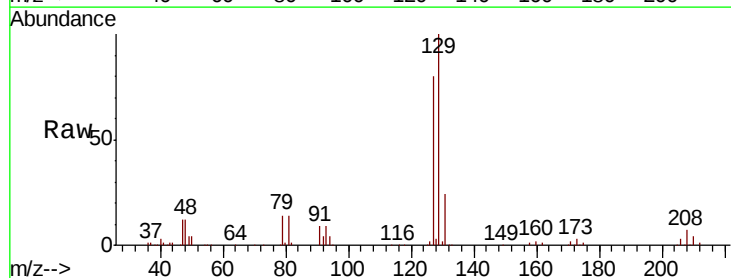
Instrument :
MSVOA_D
ClientSampled :

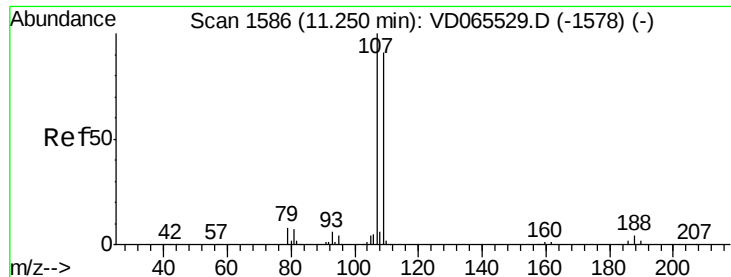
Tot Ion: 43 Resp: 435764
Ion Ratio Lower Upper
43 100
58 54.8 27.9 83.7



#60
Dibromochloromethane
Concen: 50.326 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

Tgt Ion: 129 Resp: 240401
Ion Ratio Lower Upper
129 100
127 76.6 38.9 116.6

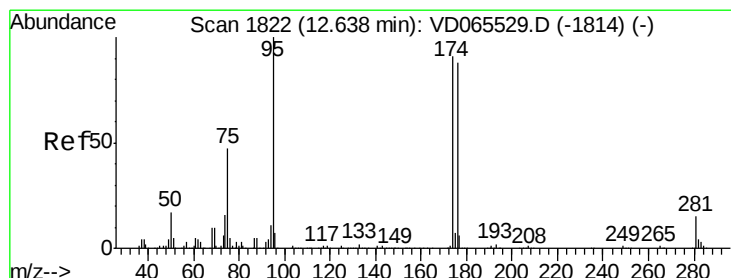
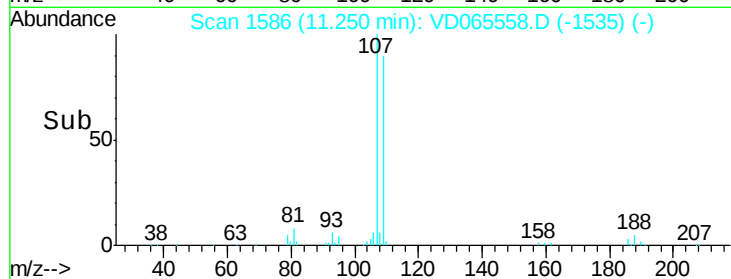
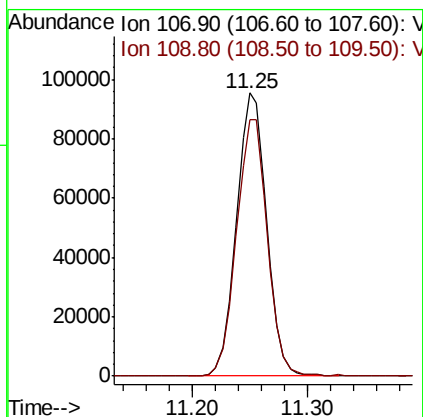
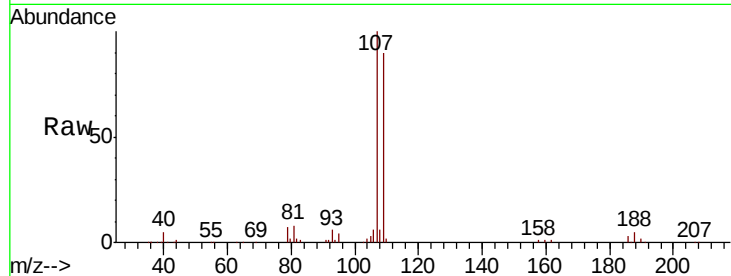




#61
 1,2-Dibromoethane
 Concen: 49.293 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065558.D
 Acq: 31 Mar 2020 11:14

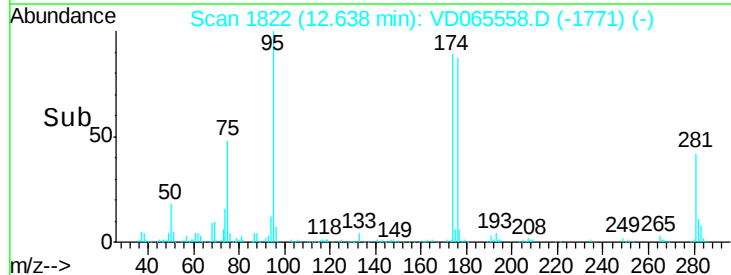
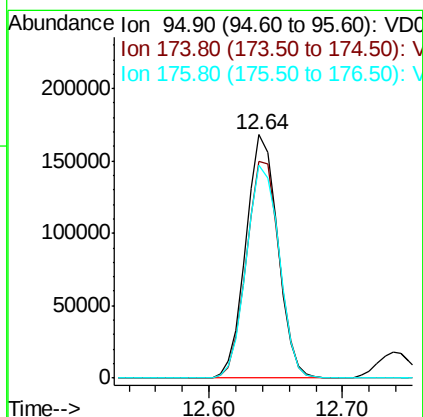
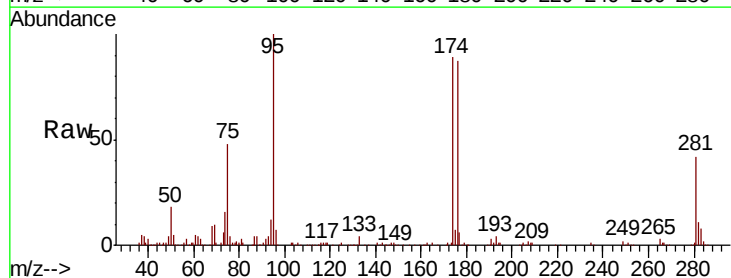
Instrument :
 MSVOA_D
 ClientSampled :

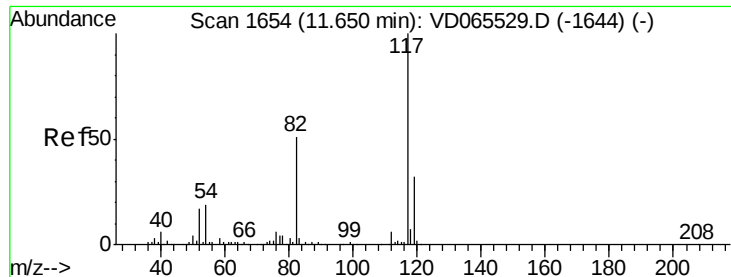
Tot Ion:107 Resp: 171970
 Ion Ratio Lower Upper
 107 100
 109 93.1 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 49.667 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065558.D
 Acq: 31 Mar 2020 11:14

Tgt Ion: 95 Resp: 277758
 Ion Ratio Lower Upper
 95 100
 174 91.2 0.0 183.8
 176 89.7 0.0 178.2

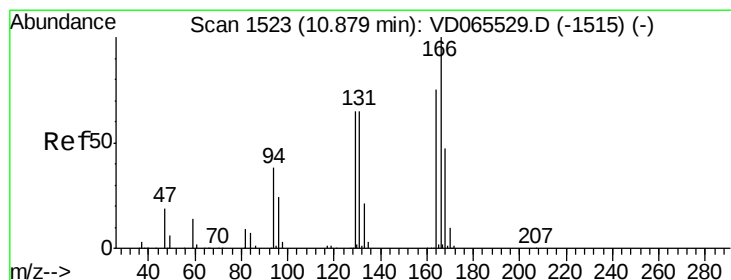
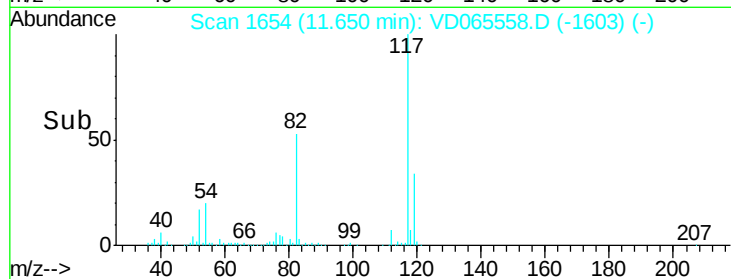
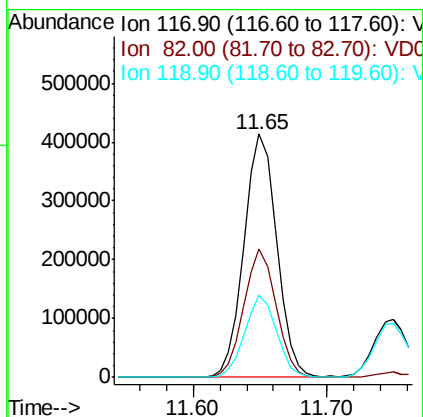
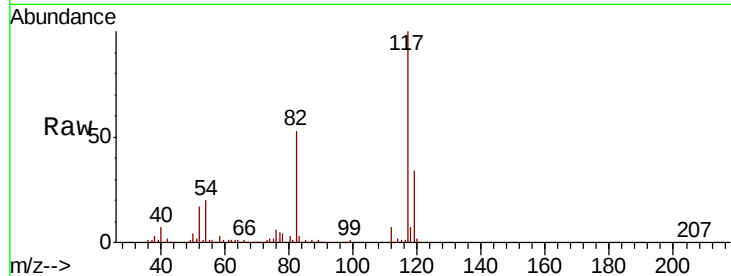




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

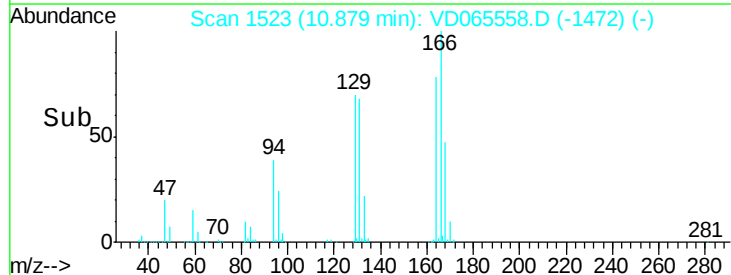
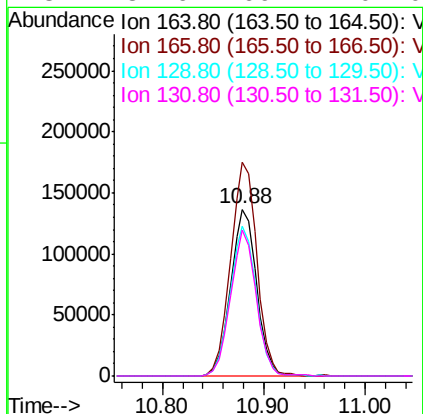
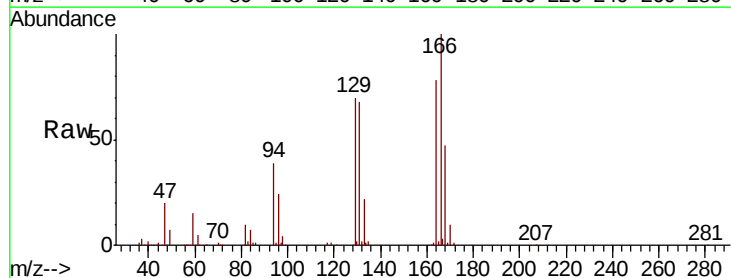
Instrument :
MSVOA_D
ClientSampled :

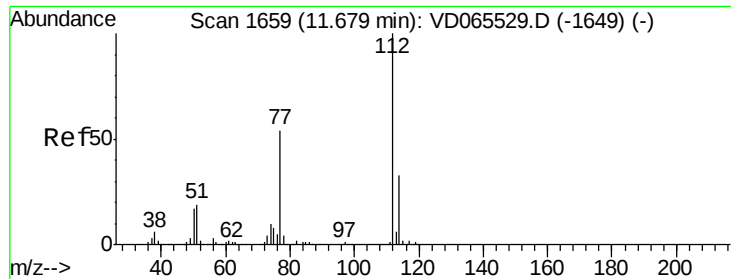
Tot Ion:117 Resp: 704107
Ion Ratio Lower Upper
117 100
82 52.7 41.0 61.6
119 34.0 25.5 38.3



#64
Tetrachloroethene
Concen: 48.184 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

Tgt Ion:164 Resp: 243028
Ion Ratio Lower Upper
164 100
166 128.3 107.1 160.7
129 90.3 69.2 103.8
131 87.6 69.4 104.0

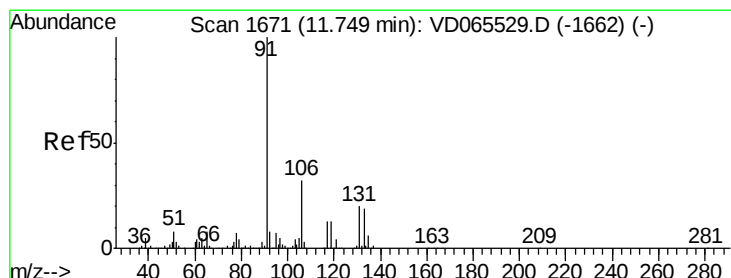
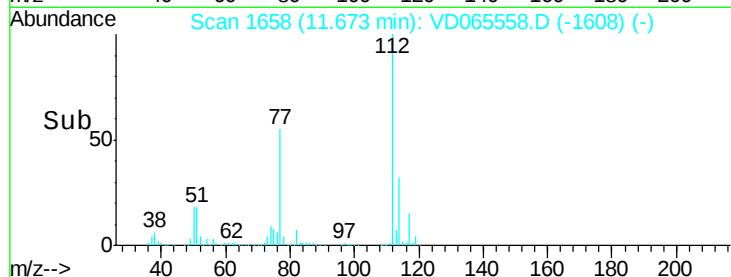
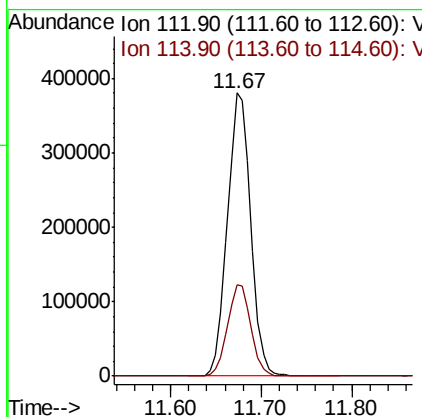
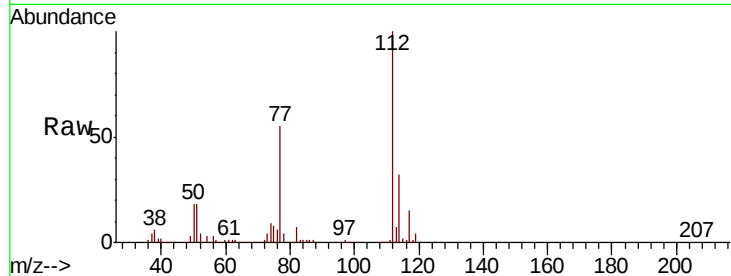




#65
Chlorobenzene
Concen: 49.416 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

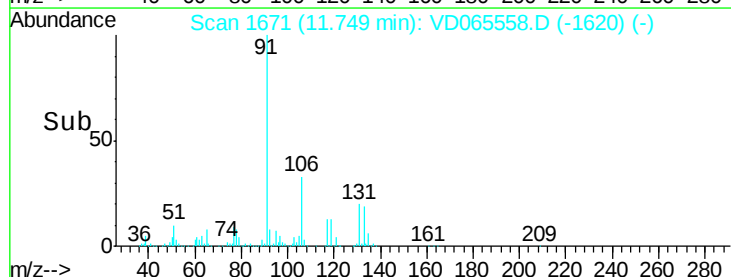
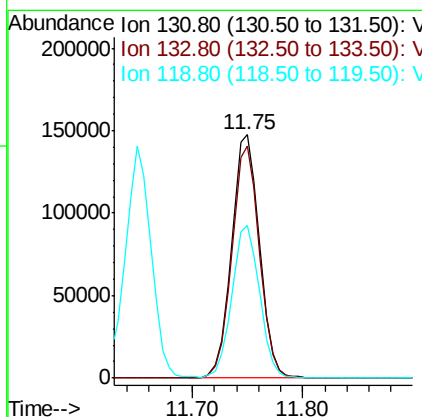
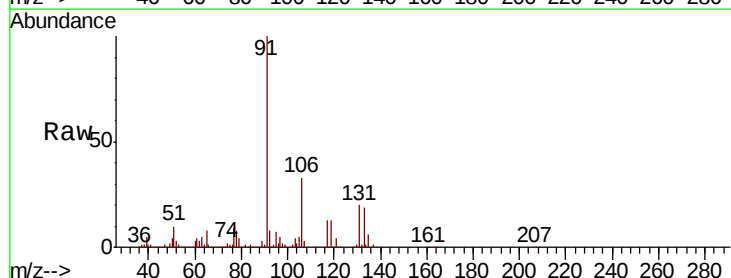
Instrument :
MSVOA_D
ClientSampleId :

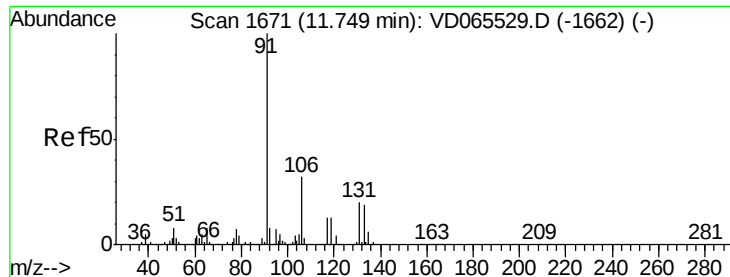
Tot Ion:112 Resp: 680229
Ion Ratio Lower Upper
112 100
114 32.1 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 50.879 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

Tgt Ion:131 Resp: 261176
Ion Ratio Lower Upper
131 100
133 94.6 48.9 146.7
119 62.8 32.5 97.4





#67

Ethyl Benzene

Concen: 51.349 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

Instrument :

MSVOA_D

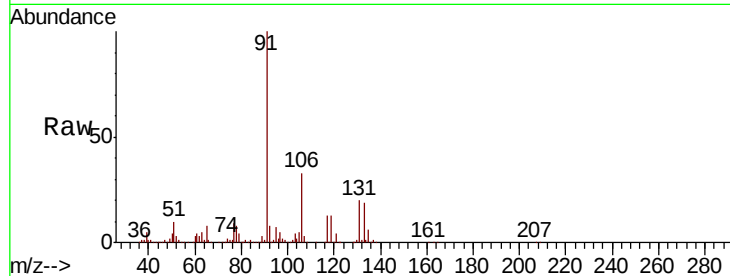
ClientSampleId :

Tot Ion: 91 Resp: 1190520

Ion Ratio Lower Upper

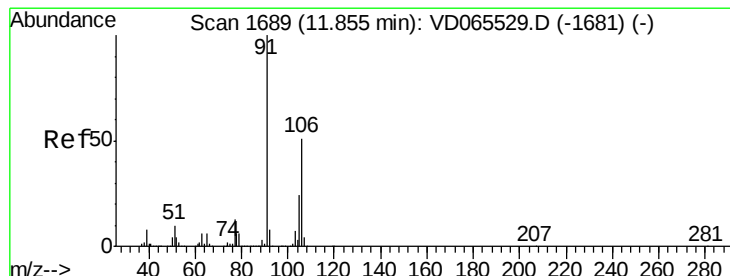
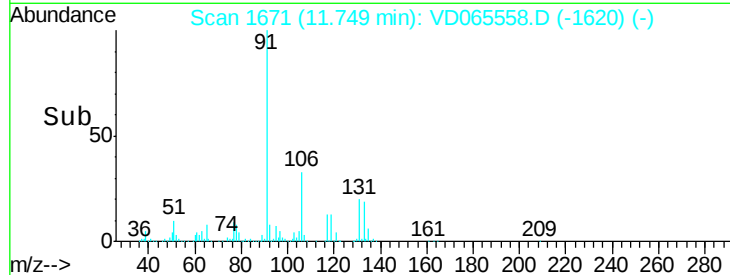
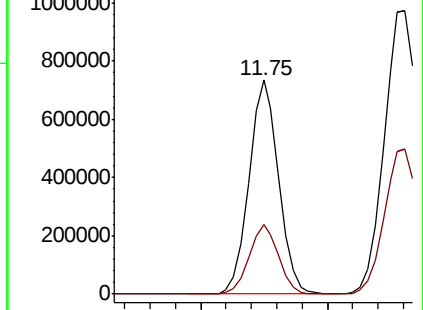
91 100

106 32.5 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 103.972 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD065558.D

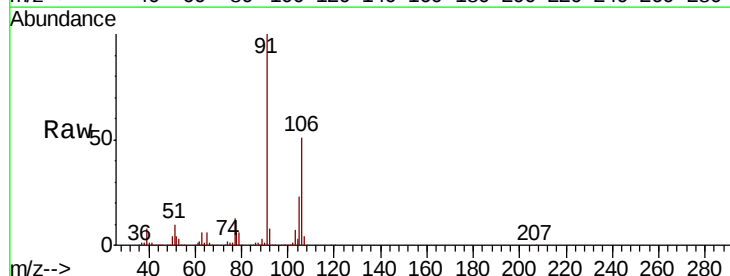
Acq: 31 Mar 2020 11:14

Tgt Ion: 106 Resp: 946501

Ion Ratio Lower Upper

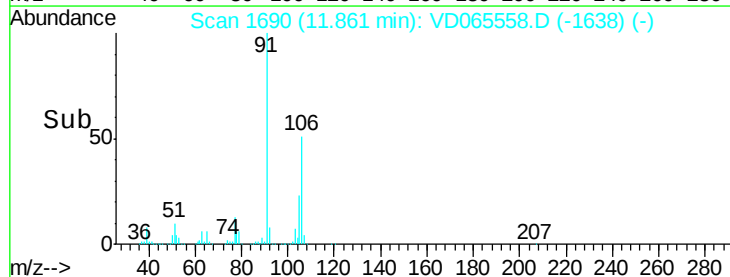
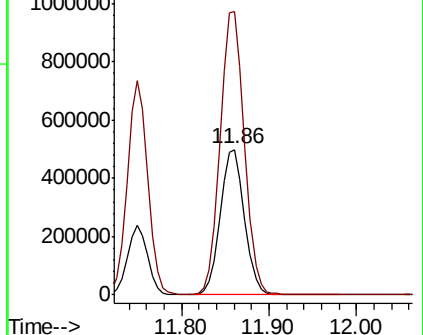
106 100

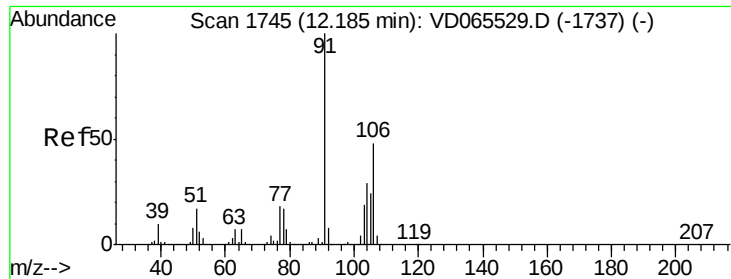
91 196.3 155.4 233.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

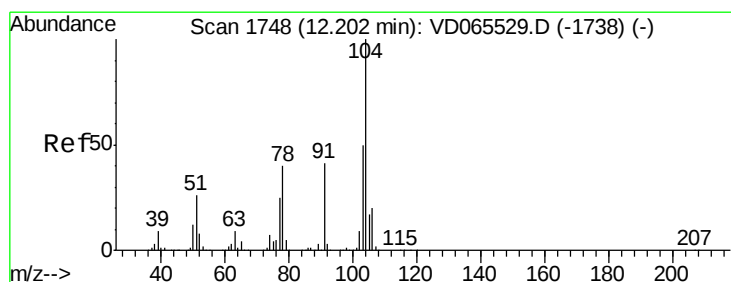
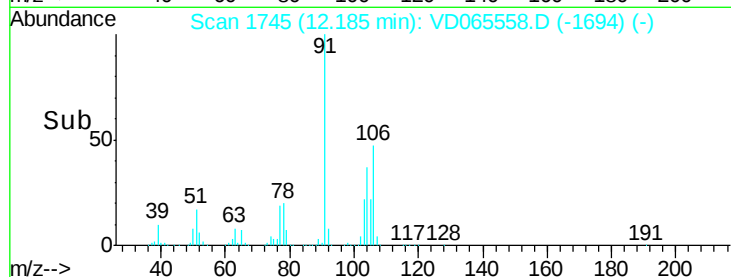
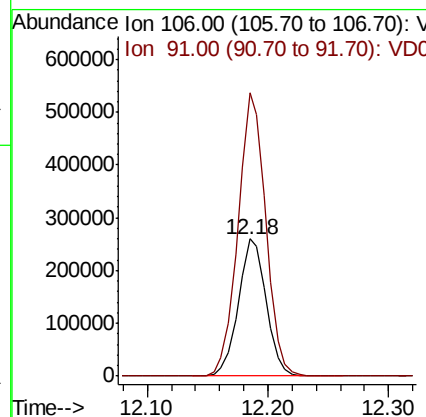
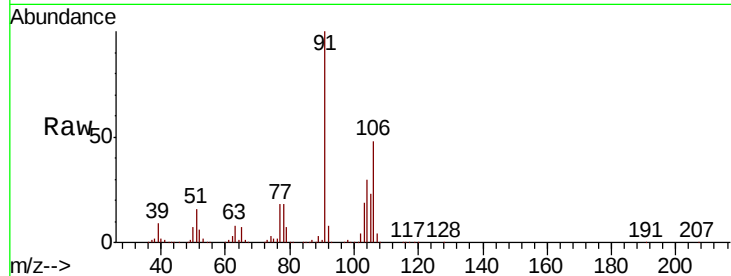




#69
o-Xylene
Concen: 52.376 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

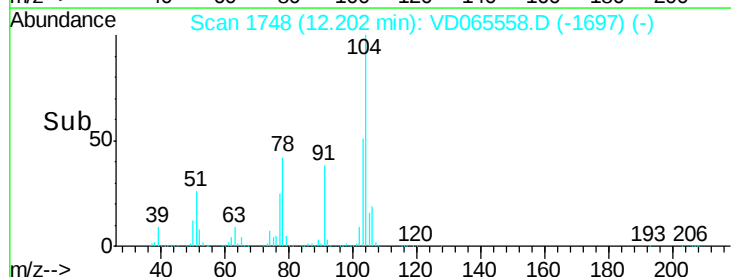
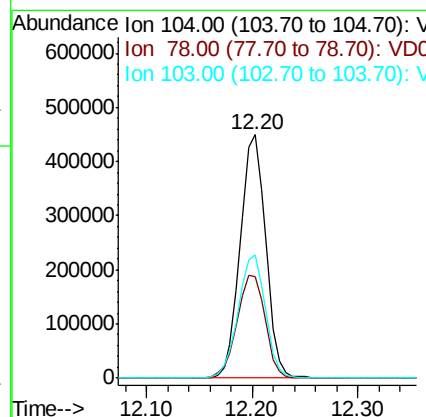
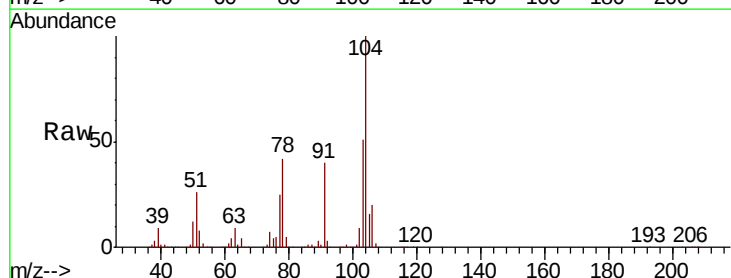
Instrument :
MSVOA_D
ClientSampled :

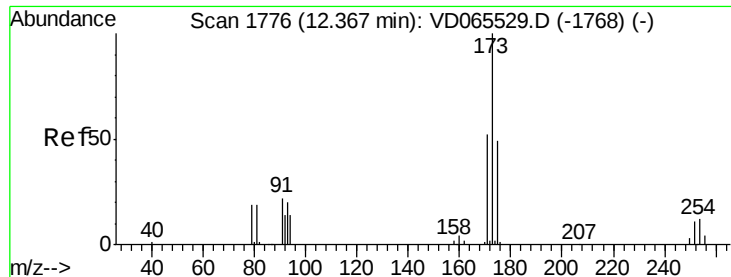
Tot Ion:106 Resp: 417572
Ion Ratio Lower Upper
106 100
91 206.0 102.8 308.4



#70
Styrene
Concen: 53.253 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

Tgt Ion:104 Resp: 749885
Ion Ratio Lower Upper
104 100
78 46.6 36.6 55.0
103 54.1 43.8 65.6





#71

Bromoform

Concen: 50.901 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

Instrument :

MSVOA_D

ClientSampled :

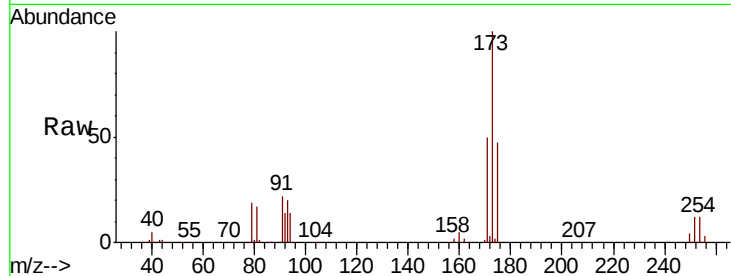
Tot Ion:173 Resp: 144121

Ion Ratio Lower Upper

173 100

175 47.7 24.3 72.8

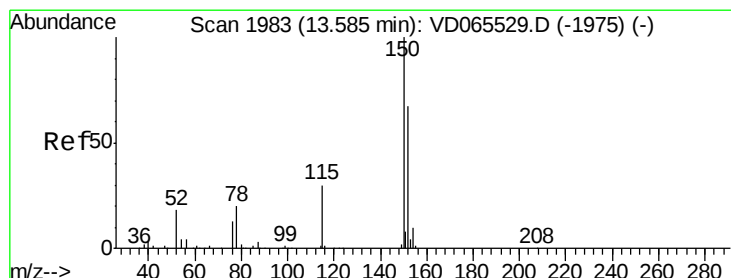
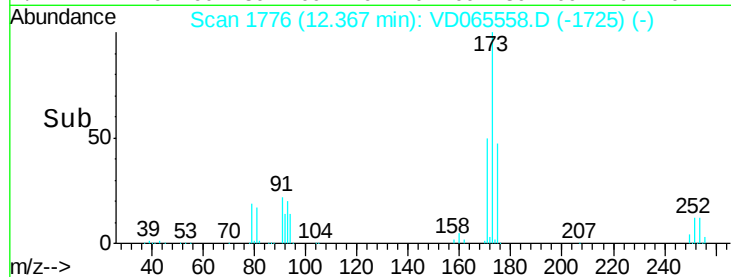
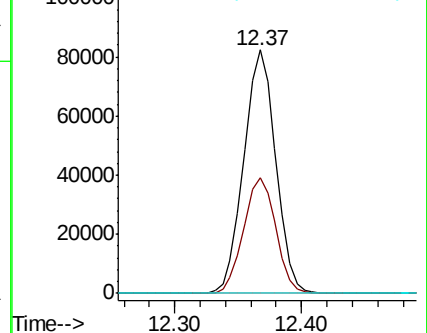
254 0.2 0.0 0.0#



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: VD065558.D

Acq: 31 Mar 2020 11:14

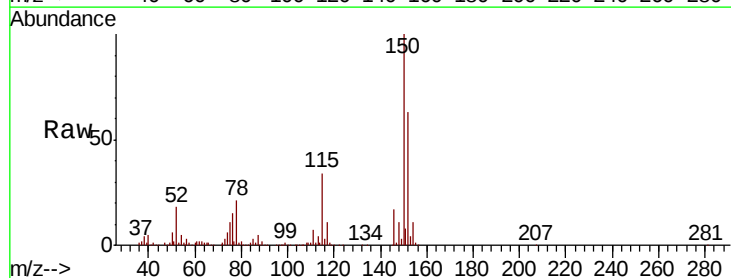
Tgt Ion:152 Resp: 355770

Ion Ratio Lower Upper

152 100

115 55.3 27.2 81.6

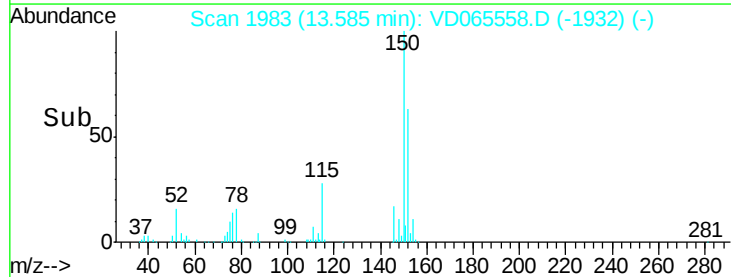
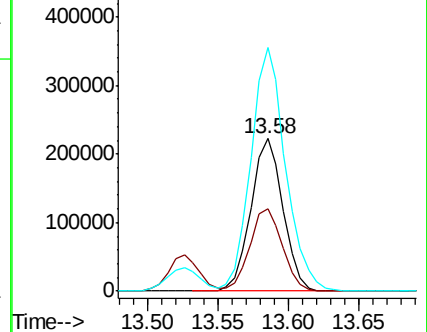
150 172.3 0.0 340.2

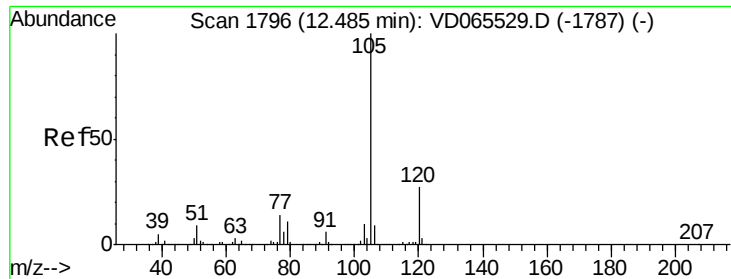


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.861 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

Instrument :

MSVOA_D

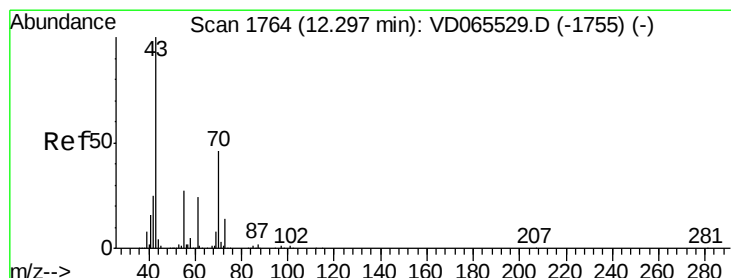
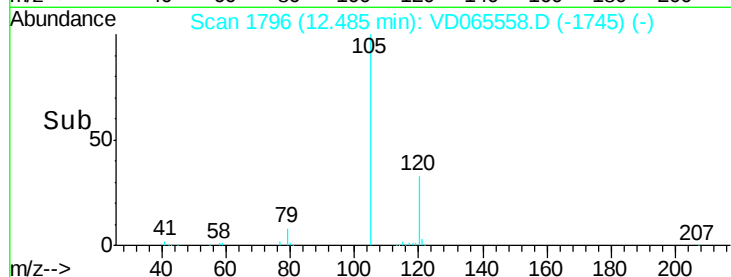
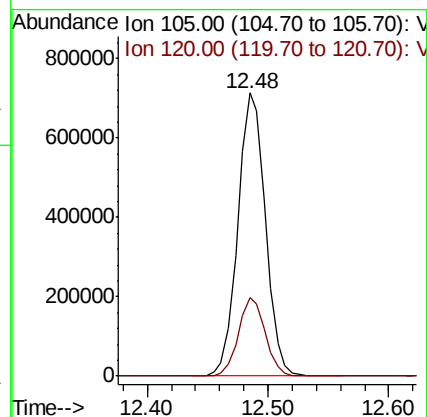
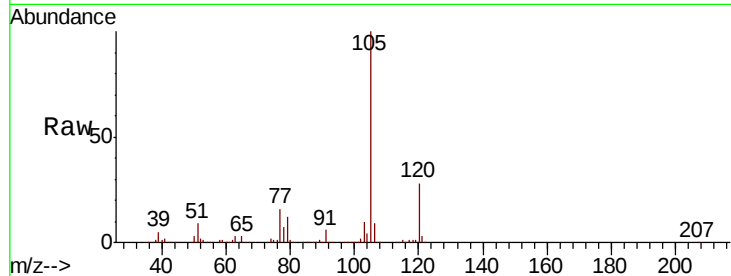
ClientSampleId :

Tot Ion:105 Resp: 1132916

Ion Ratio Lower Upper

105 100

120 27.0 13.7 41.0



#74

N-ethyl acetate

Concen: 48.583 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

Tgt Ion: 43 Resp: 209450

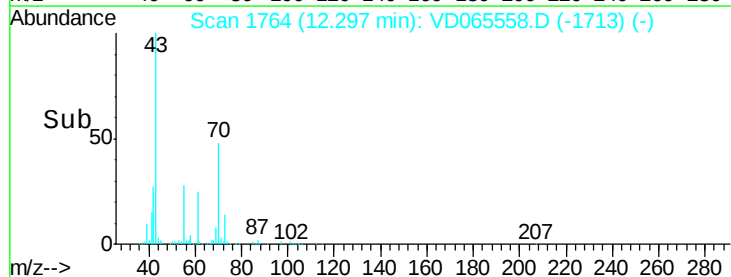
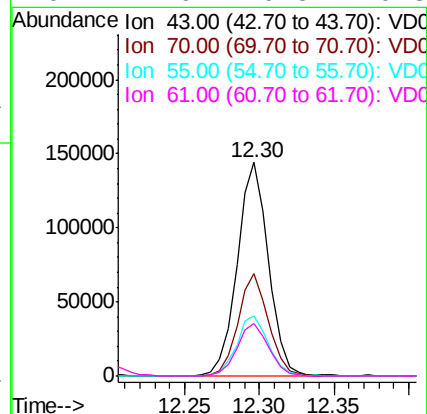
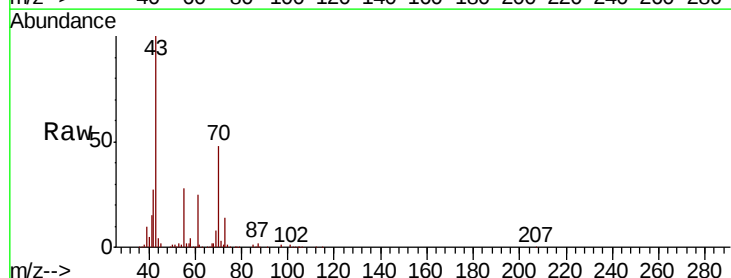
Ion Ratio Lower Upper

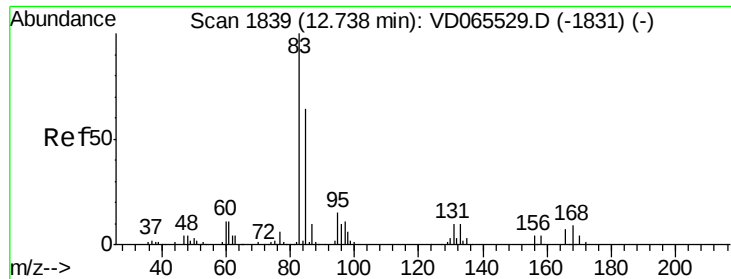
43 100

70 46.9 36.2 54.2

55 29.0 22.2 33.4

61 24.9 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 49.461 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

Instrument :

MSVOA_D

ClientSampleId :

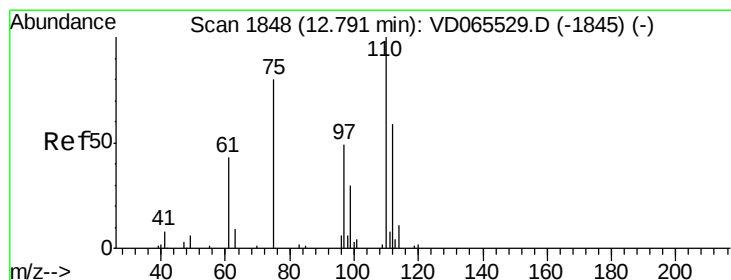
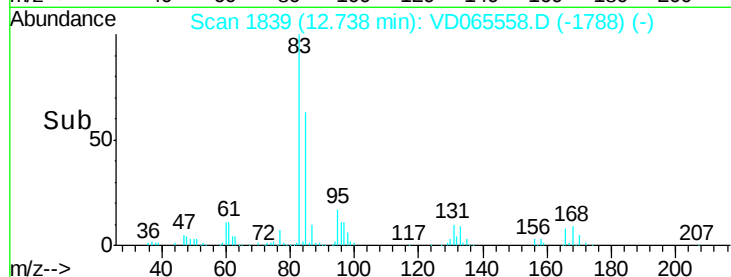
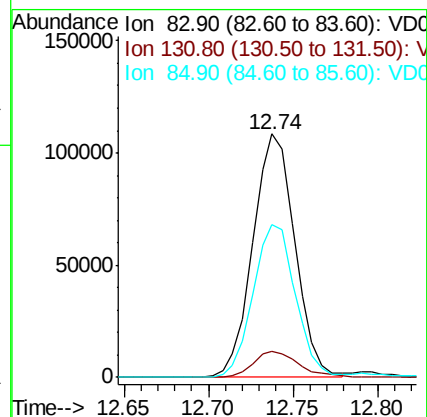
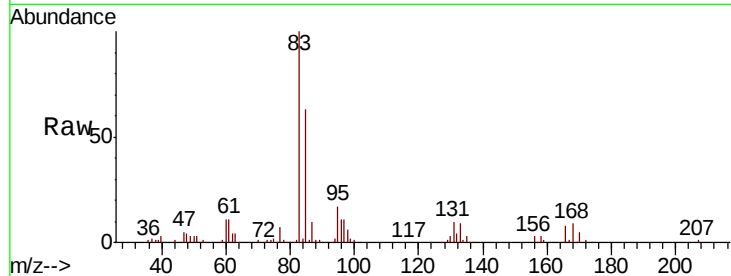
Tot Ion: 83 Resp: 187678

Ion Ratio Lower Upper

83 100

131 11.6 5.6 16.8

85 63.2 32.6 98.0



#76

1,2,3-Trichloropropane

Concen: 87.190 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065558.D

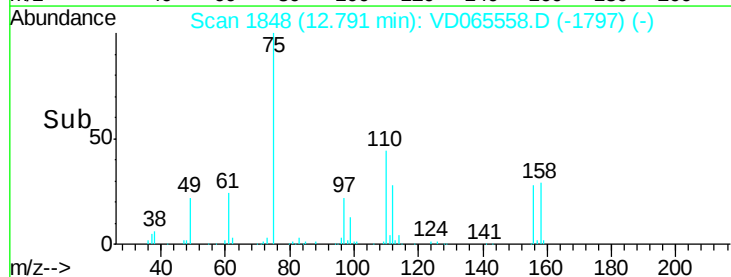
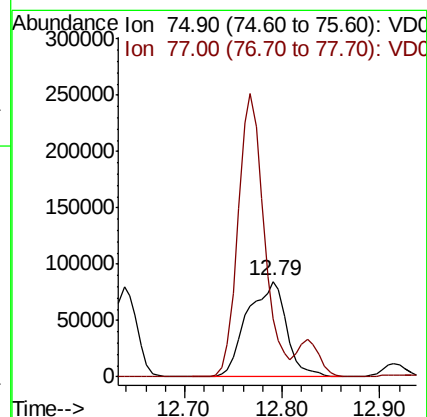
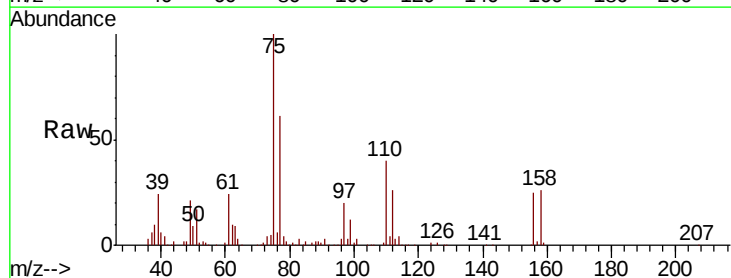
Acq: 31 Mar 2020 11:14

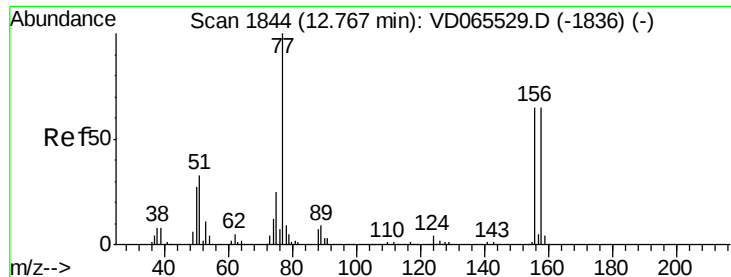
Tgt Ion: 75 Resp: 238480

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.919 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

Instrument :

MSVOA_D

ClientSampleId :

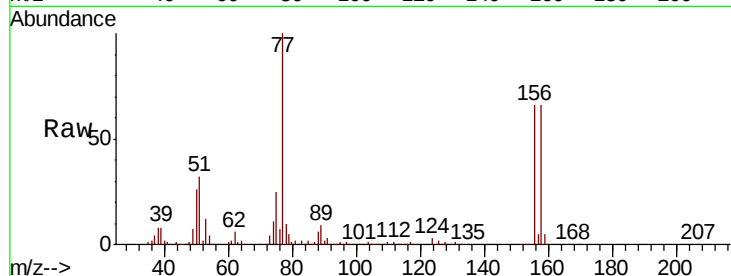
Tot Ion:156 Resp: 284971

Ion Ratio Lower Upper

156 100

77 164.7 81.8 245.3

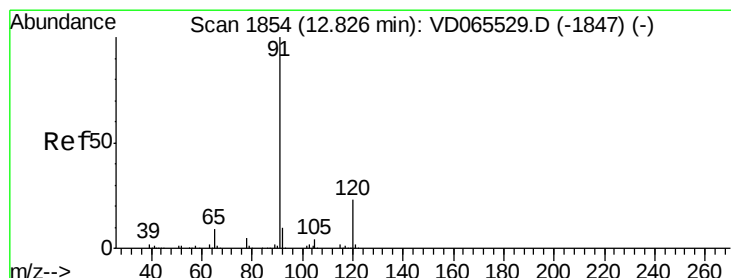
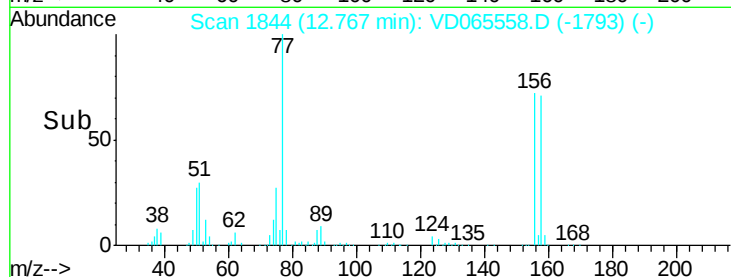
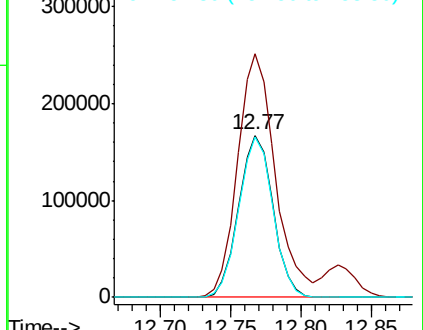
158 98.0 49.1 147.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.487 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065558.D

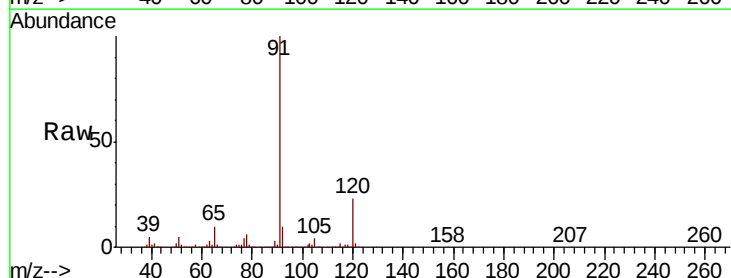
Acq: 31 Mar 2020 11:14

Tgt Ion: 91 Resp: 1340693

Ion Ratio Lower Upper

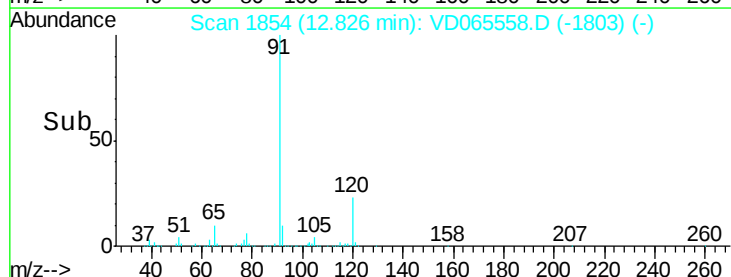
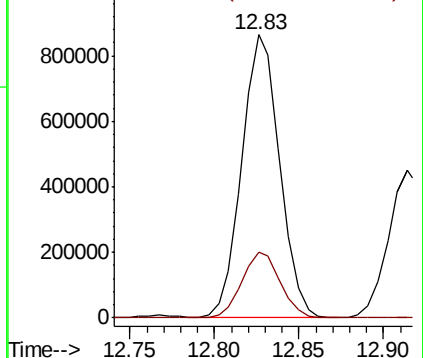
91 100

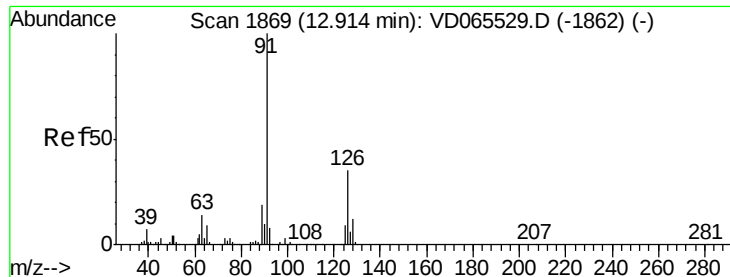
120 23.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.732 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

Instrument :

MSVOA_D

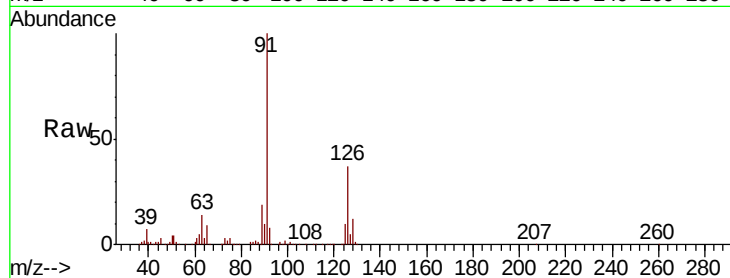
ClientSampleId :

Tot Ion: 91 Resp: 753641

Ion Ratio Lower Upper

91 100

126 36.1 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V

800000

600000

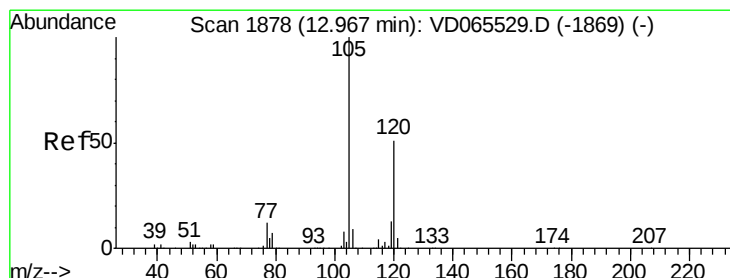
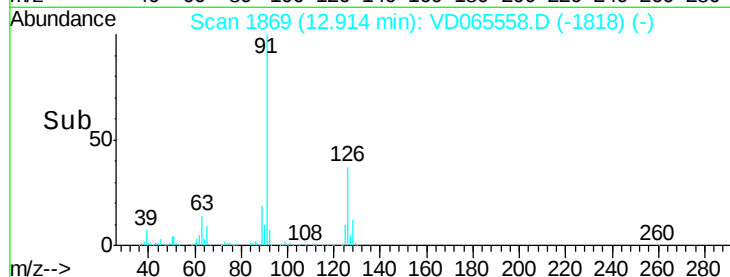
400000

200000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.949 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065558.D

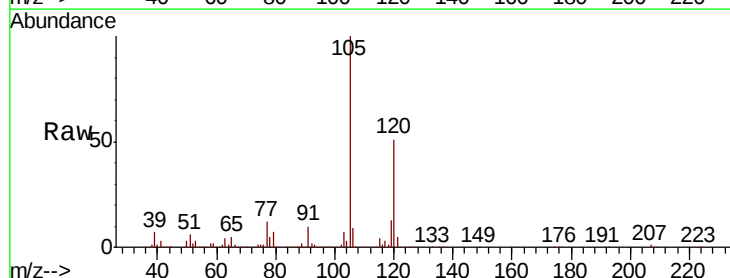
Acq: 31 Mar 2020 11:14

Tgt Ion:105 Resp: 940629

Ion Ratio Lower Upper

105 100

120 51.1 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

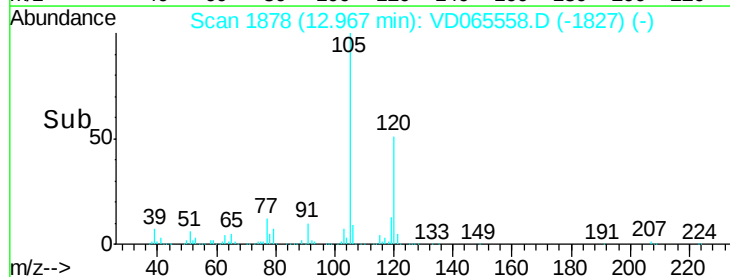
400000

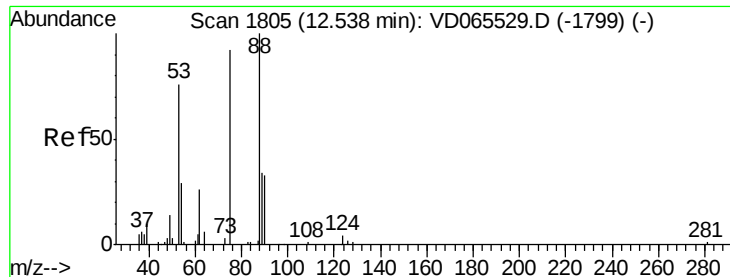
200000

0

12.90 12.95

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 50.971 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

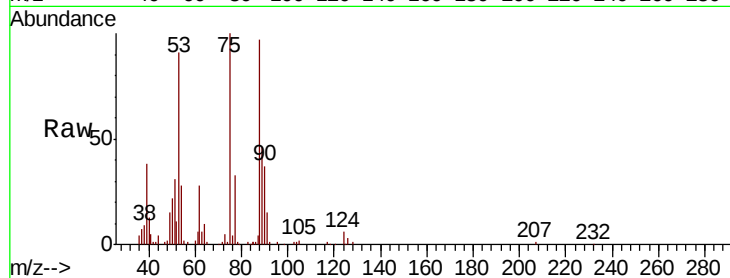
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 62457

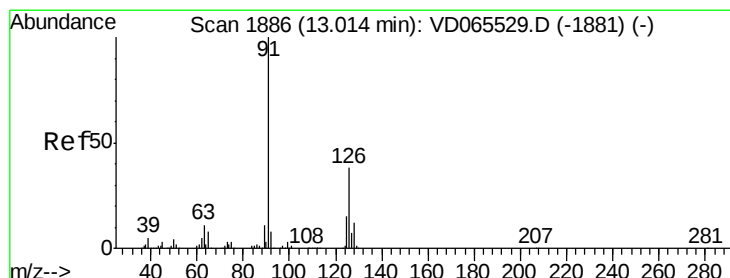
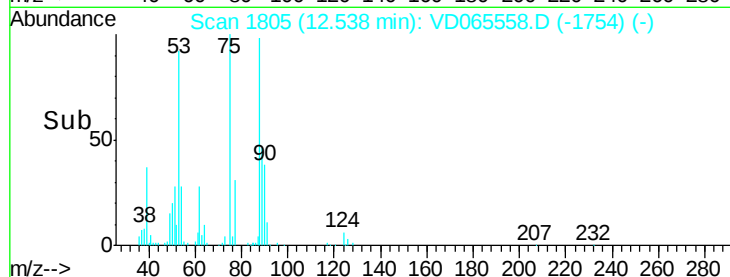
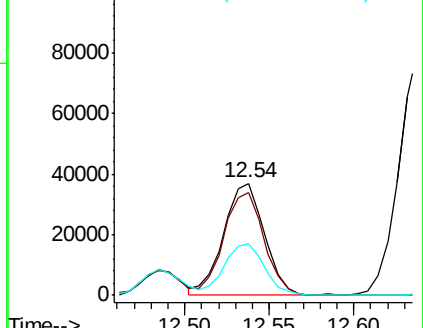
Ion	Ratio	Lower	Upper
75	100		
53	90.1	72.4	108.6
89	45.6	36.9	55.3



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 50.280 ug/l

RT: 13.01 min Scan# 1886

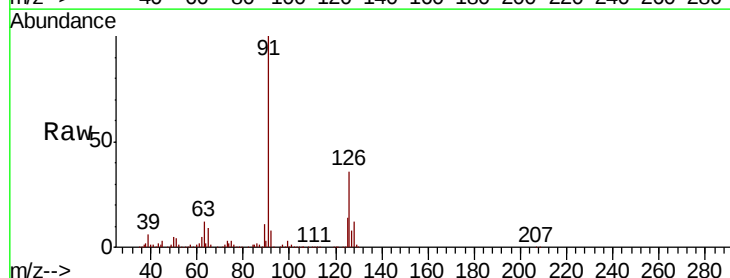
Delta R.T. 0.00 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

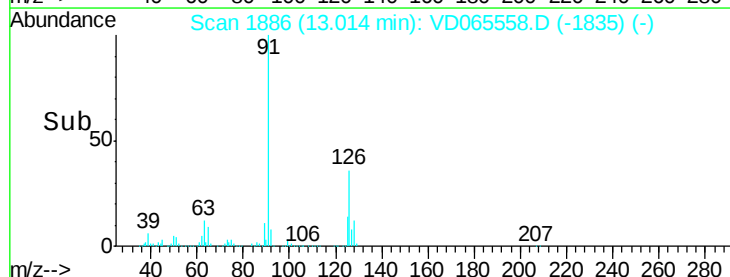
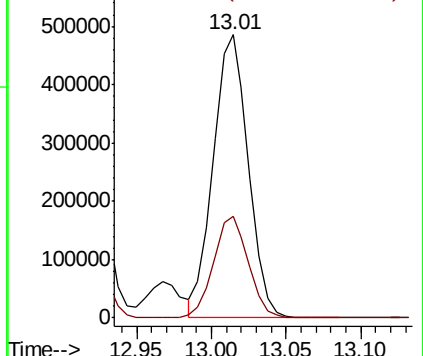
Tgt Ion: 91 Resp: 793786

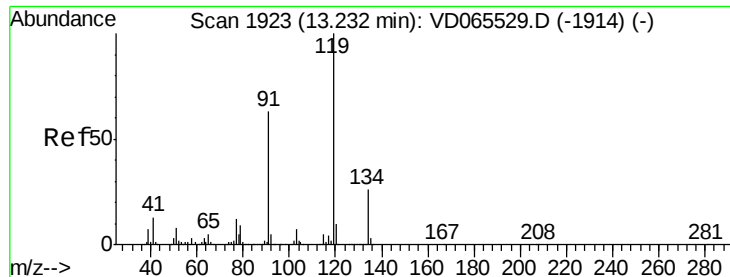
Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.9	53.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): VDC





#83

tert-Butylbenzene

Concen: 51.857 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

Instrument :

MSVOA_D

ClientSampleId :

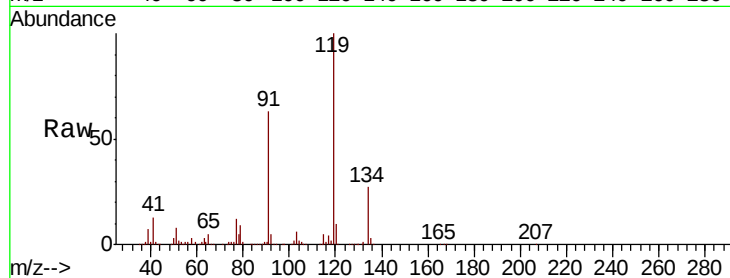
Tot Ion:119 Resp: 786405

Ion Ratio Lower Upper

119 100

91 62.6 31.4 94.0

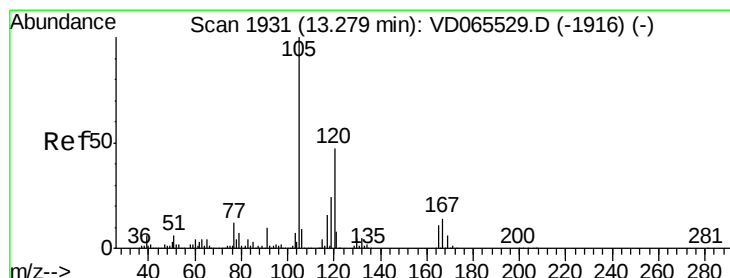
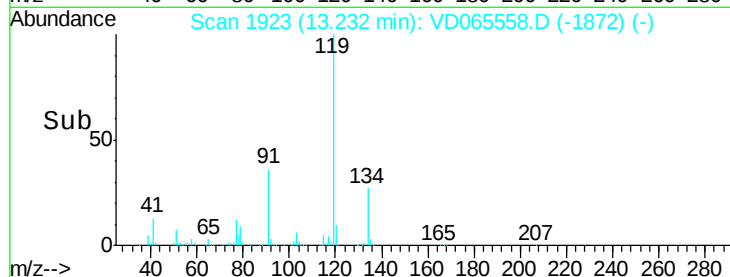
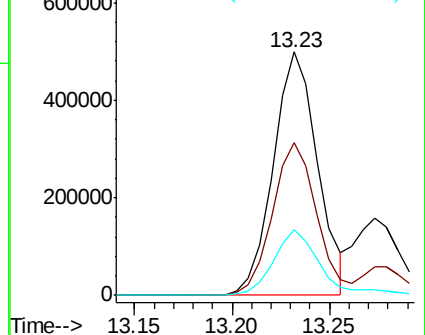
134 28.4 13.9 41.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.108 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. 0.00 min

Lab File: VD065558.D

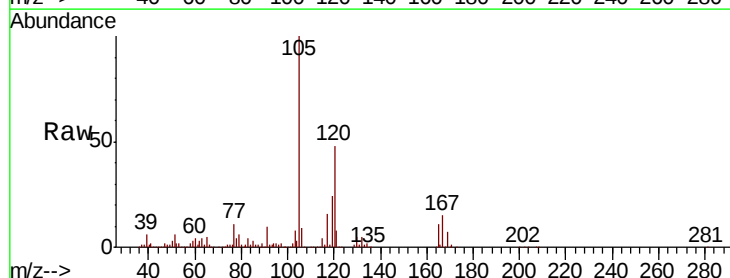
Acq: 31 Mar 2020 11:14

Tgt Ion:105 Resp: 943256

Ion Ratio Lower Upper

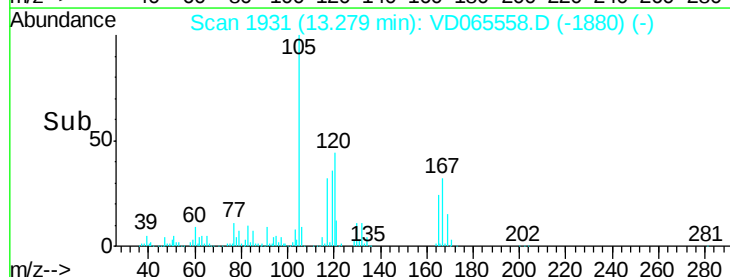
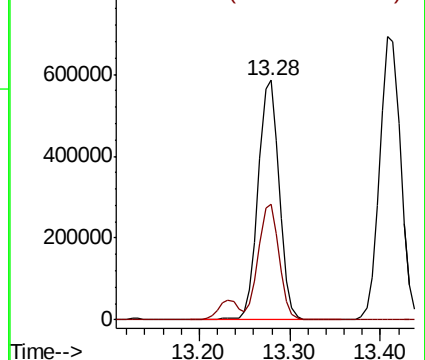
105 100

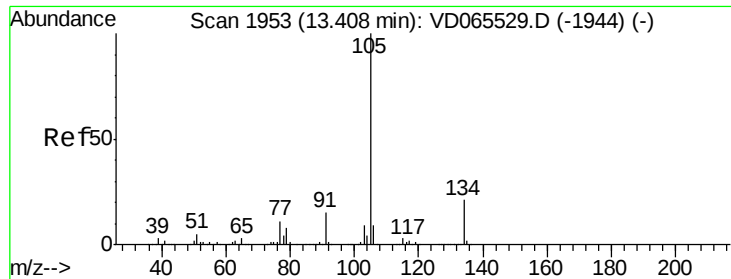
120 47.3 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.076 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

Instrument :

MSVOA_D

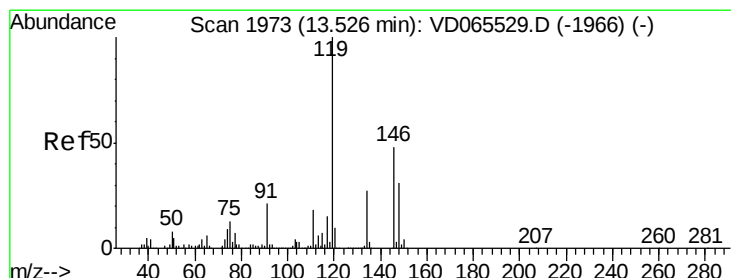
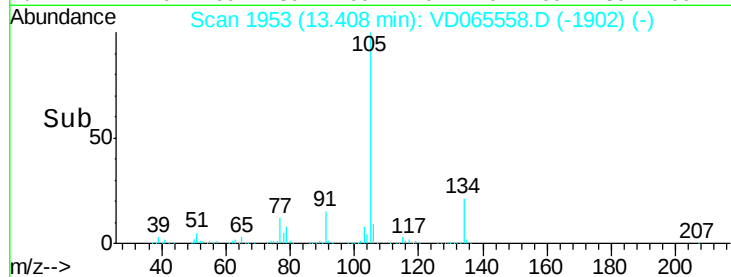
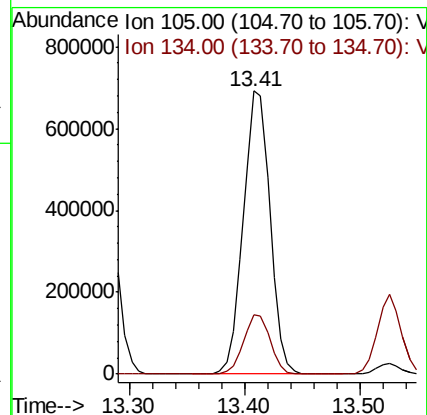
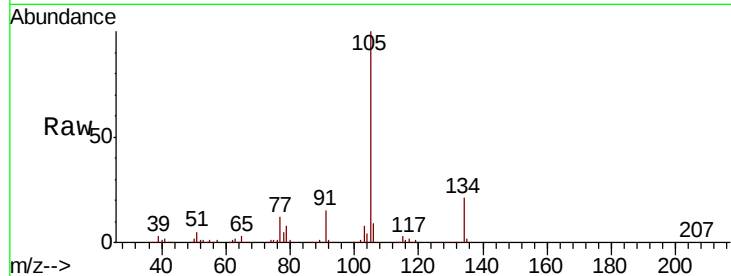
ClientSampleId :

Tot Ion:105 Resp: 1108418

Ion Ratio Lower Upper

105 100

134 20.9 10.6 31.8



#86

p-Isopropyltoluene

Concen: 52.175 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065558.D

Acq: 31 Mar 2020 11:14

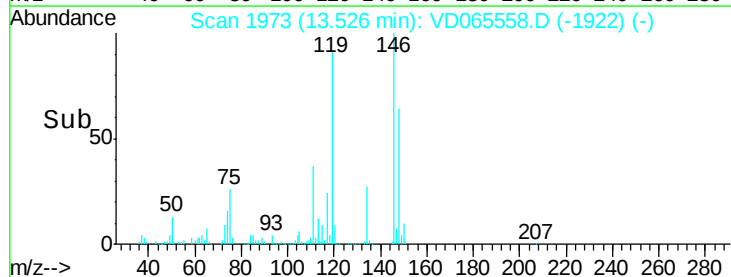
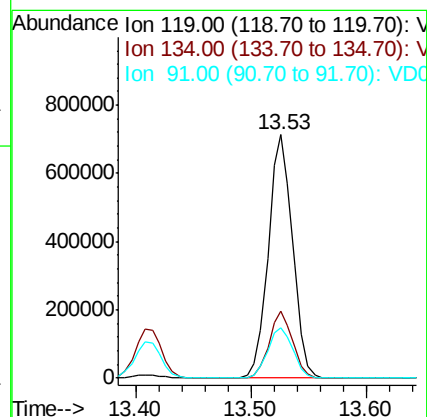
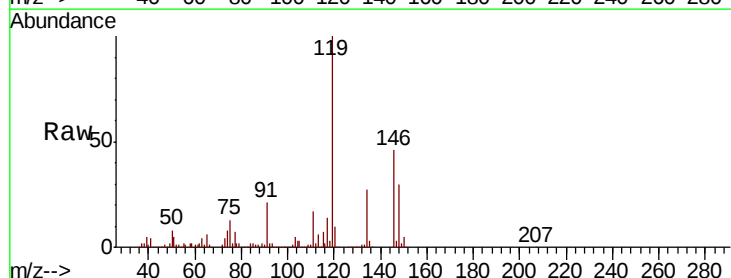
Tgt Ion:119 Resp: 1043406

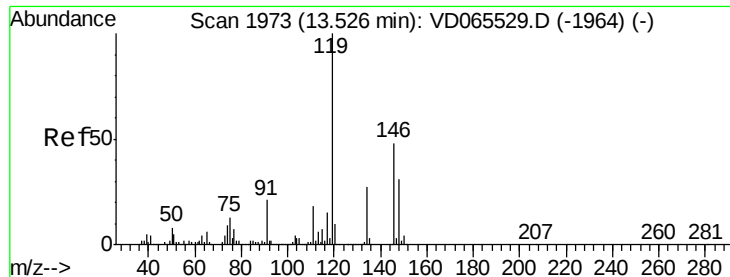
Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

91 21.5 10.8 32.3

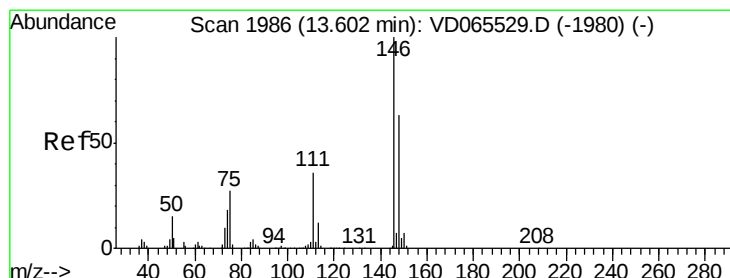
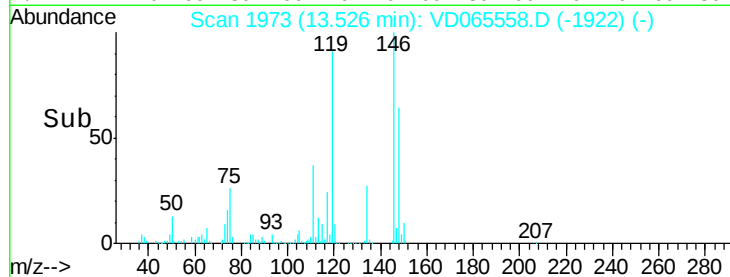
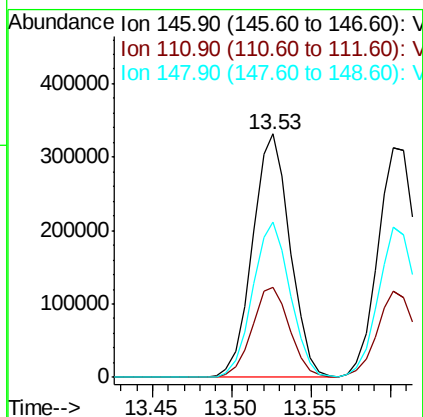
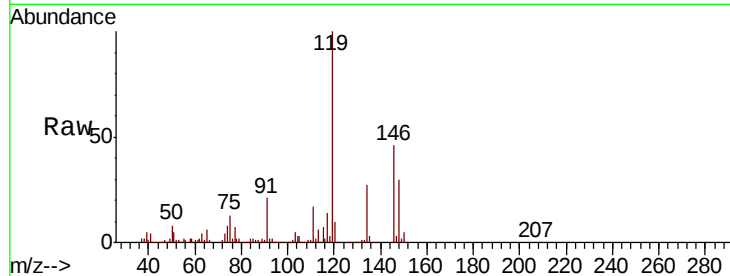




#87
 1,3-Dichlorobenzene
 Concen: 49.565 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065558.D
 Acq: 31 Mar 2020 11:14

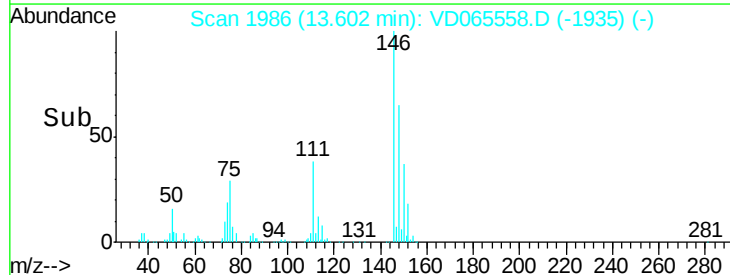
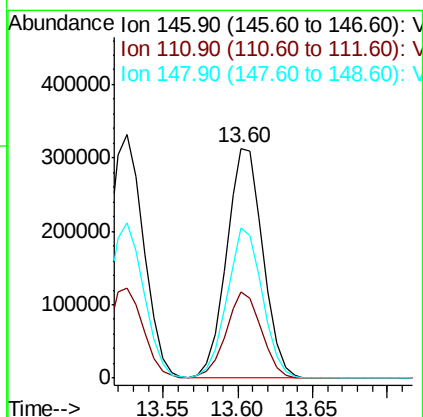
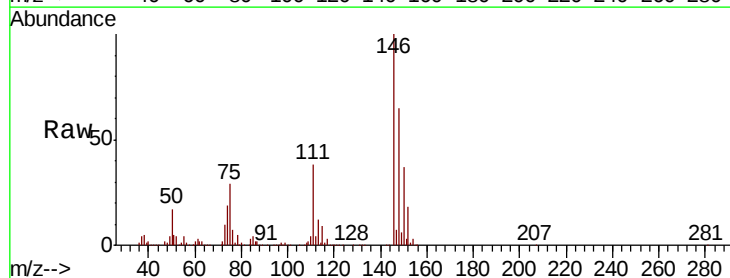
Instrument :
 MSVOA_D
 ClientSampled :

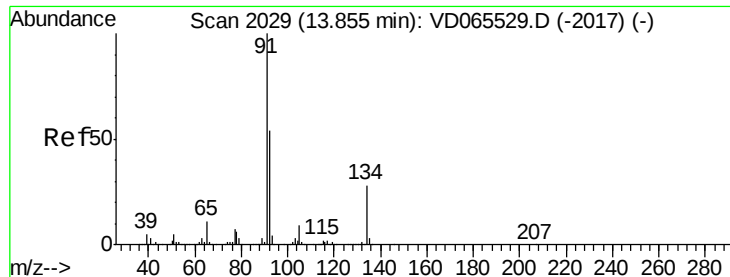
Tot Ion:146 Resp: 544698
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.5 55.5
 148 63.9 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 48.287 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065558.D
 Acq: 31 Mar 2020 11:14

Tgt Ion:146 Resp: 530230
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.0 54.0
 148 63.8 31.6 94.8

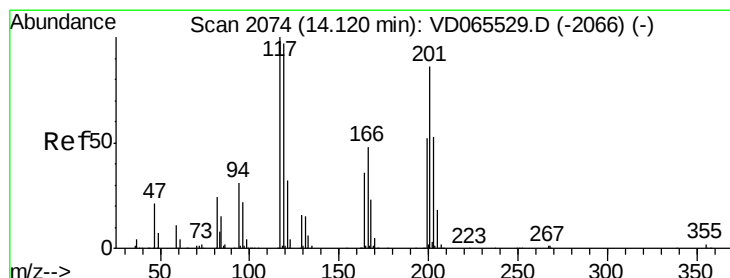
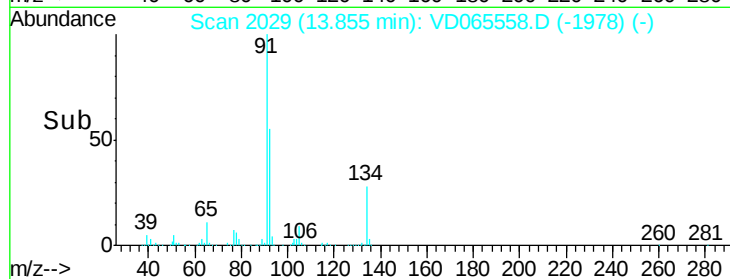
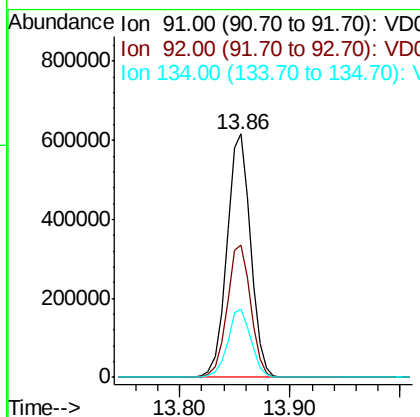
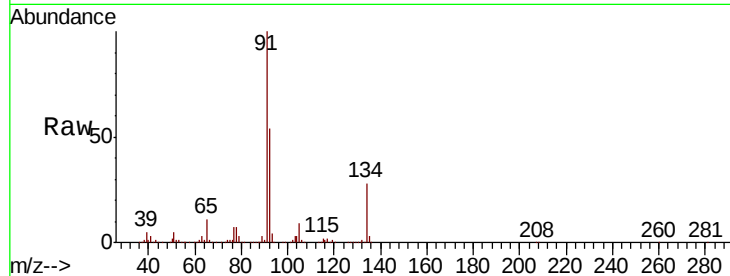




#89
n-Butylbenzene
Concen: 50.843 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

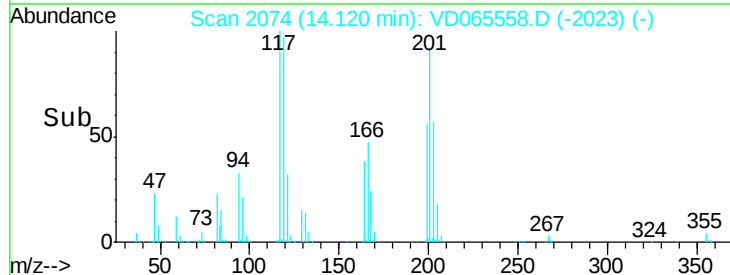
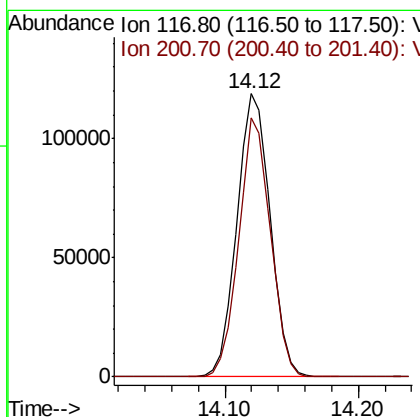
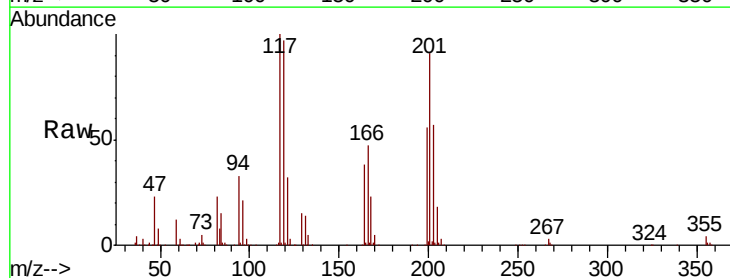
Instrument :
MSVOA_D
ClientSampleId :

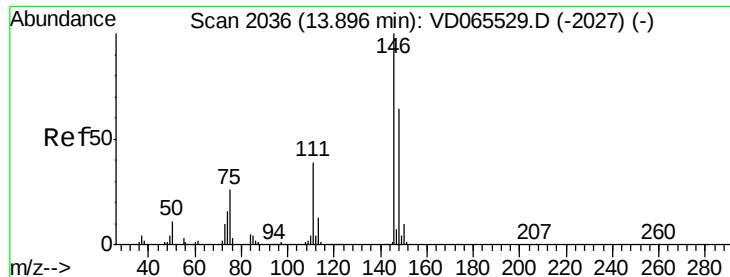
Tot Ion: 91 Resp: 923358
Ion Ratio Lower Upper
91 100
92 54.3 26.8 80.4
134 27.5 13.7 41.0



#90
Hexachloroethane
Concen: 48.725 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

Tgt Ion: 117 Resp: 204337
Ion Ratio Lower Upper
117 100
201 87.0 43.9 131.6

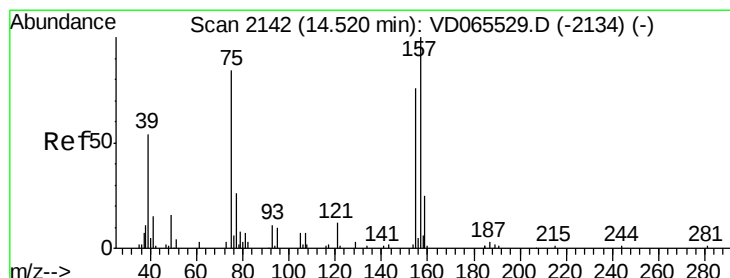
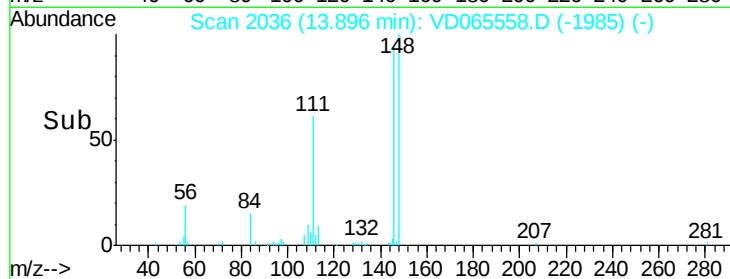
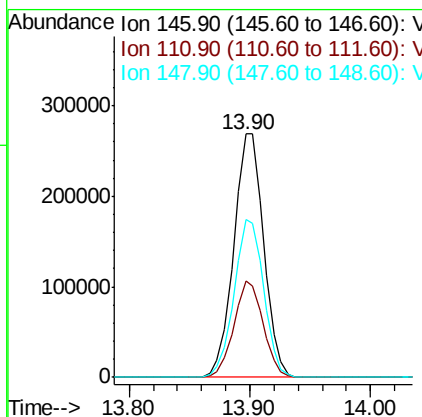
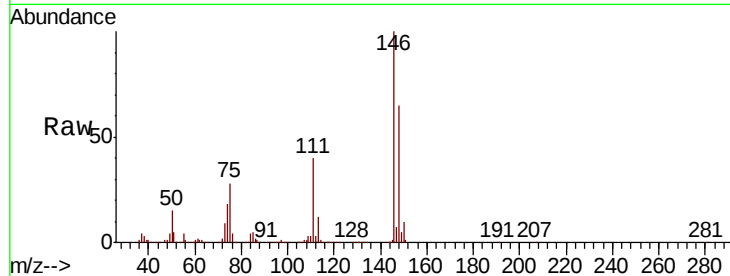




#91
 1,2-Dichlorobenzene
 Concen: 49.760 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD065558.D
 Acq: 31 Mar 2020 11:14

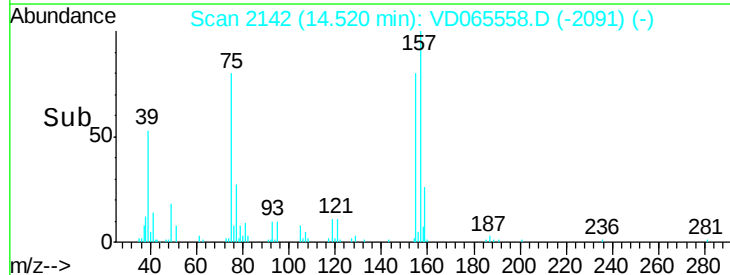
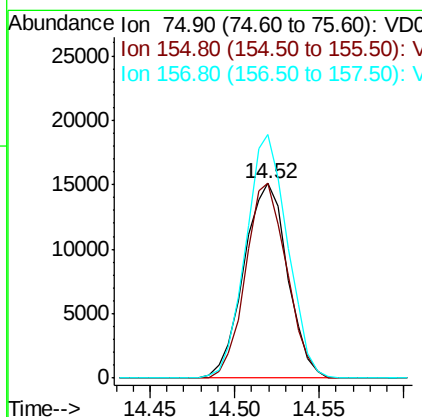
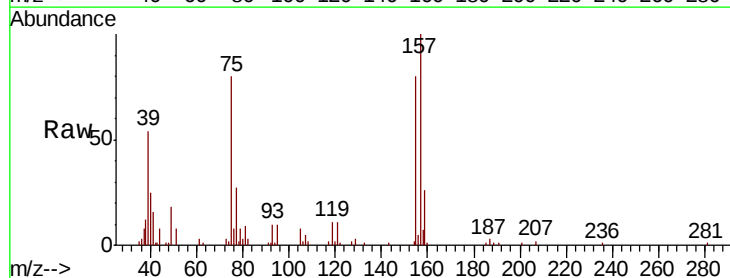
Instrument :
 MSVOA_D
 ClientSampleId :

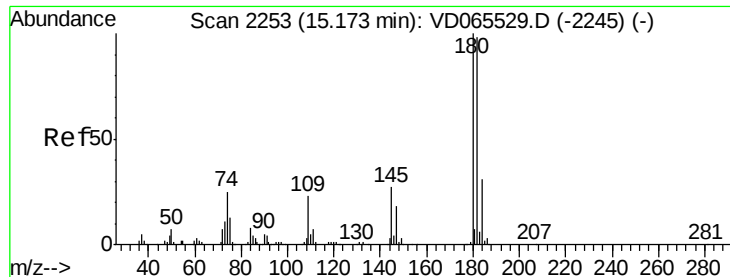
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.4
148	64.2	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.490 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065558.D
 Acq: 31 Mar 2020 11:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.2	46.2	138.6
157	119.6	57.9	173.7

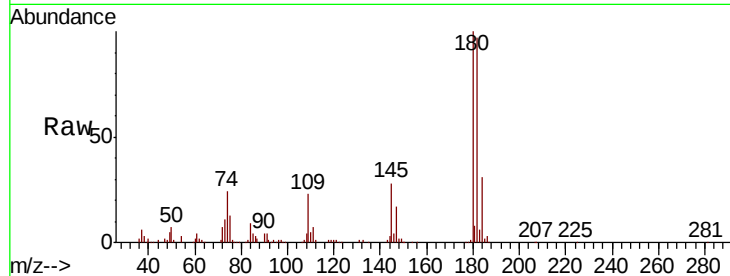




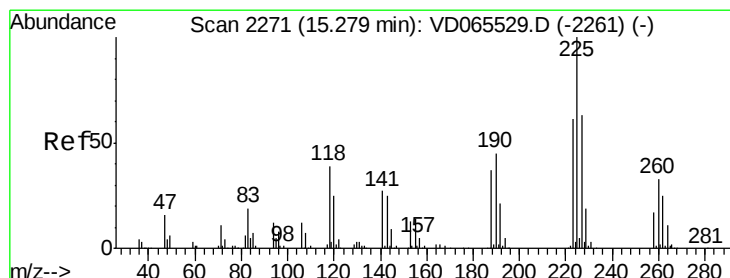
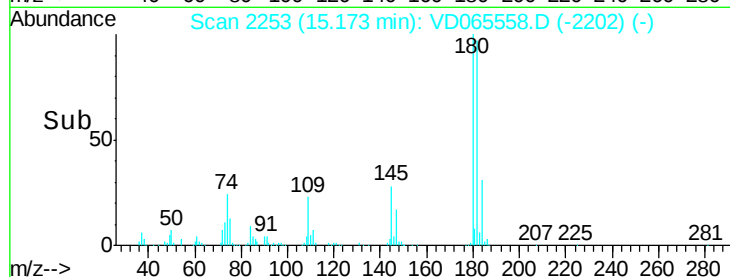
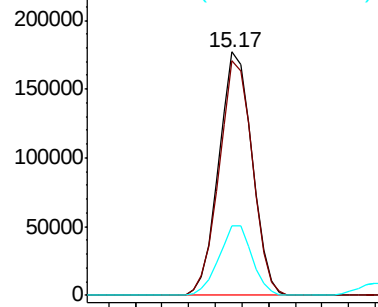
#93
 1,2,4-Trichlorobenzene
 Concen: 47.200 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065558.D
 Acq: 31 Mar 2020 11:14

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 304512
 Ion Ratio Lower Upper
 180 100
 182 96.4 48.1 144.3
 145 28.5 13.9 41.6

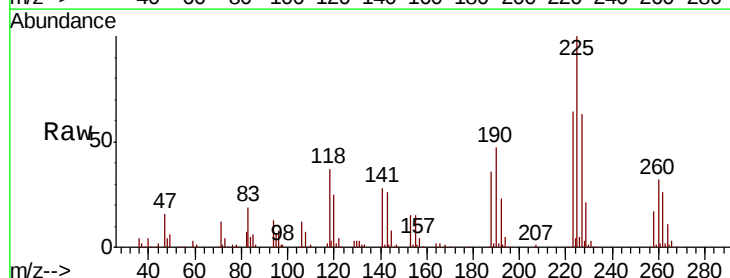


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

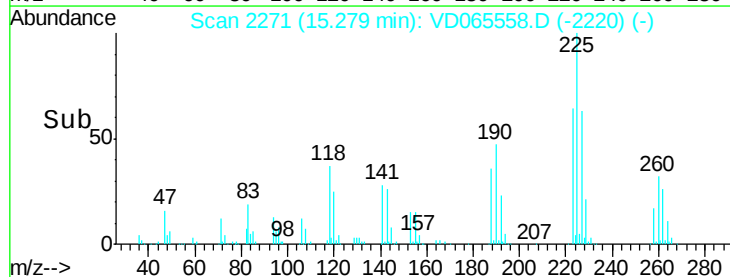
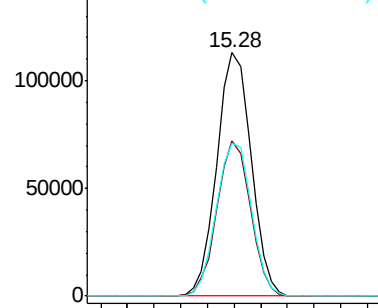


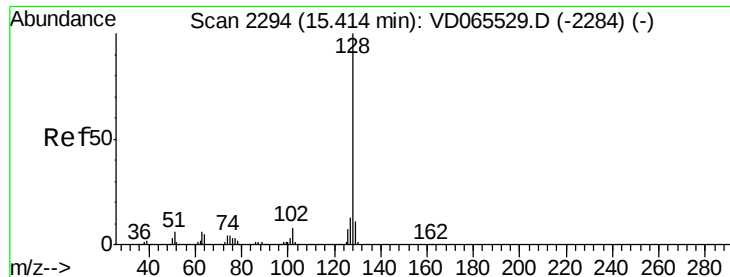
#94
 Hexachlorobutadiene
 Concen: 47.934 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065558.D
 Acq: 31 Mar 2020 11:14

Tgt Ion:225 Resp: 201522
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.2 93.6
 227 64.2 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

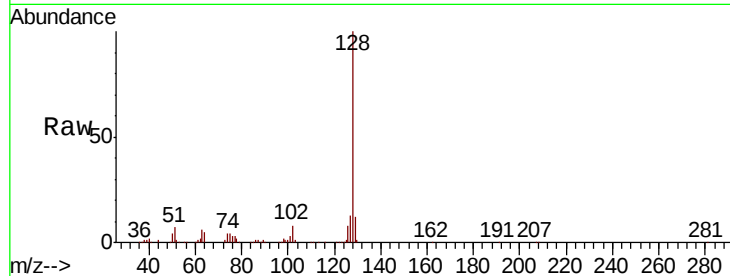




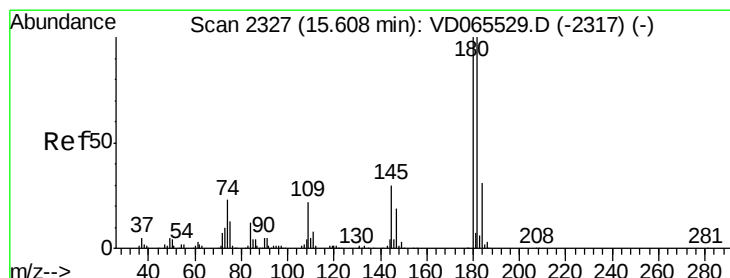
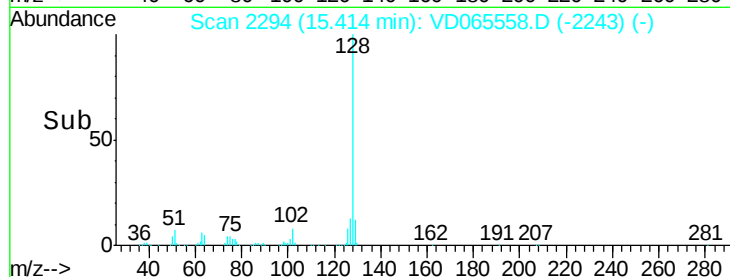
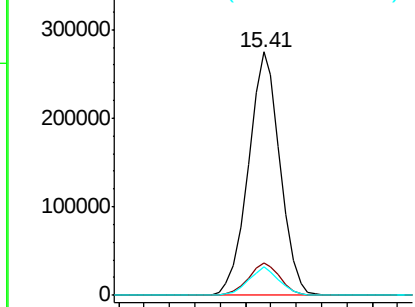
#95
Naphthalene
Concen: 43.849 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 475455
Ion Ratio Lower Upper
128 100
127 13.4 10.4 15.6
129 11.2 8.7 13.1

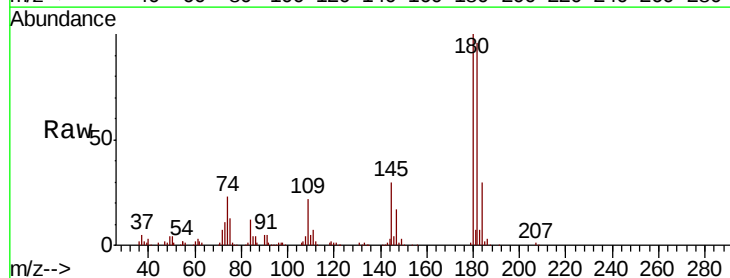


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 48.072 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065558.D
Acq: 31 Mar 2020 11:14

Tgt Ion:180 Resp: 266363
Ion Ratio Lower Upper
180 100
182 95.4 48.1 144.3
145 30.6 15.0 45.0



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

