

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032720\
 Data File : VD065537.D
 Acq On : 27 Mar 2020 11:54
 Operator : VA/SY
 Sample : VD0327SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 30 06:32:28 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	7.98	168	515975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	747498	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	696030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	353755	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	223872	52.12	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.24%		
35) Dibromofluoromethane	7.92	113	237504	51.48	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.96%		
50) Toluene-d8	10.34	98	922514	53.26	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.52%		
62) 4-Bromofluorobenzene	12.64	95	292373	53.18	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.36%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	81910	26.346	ug/l	99
3) Chloromethane	2.21	50	103131	23.686	ug/l	100
4) Vinyl Chloride	2.35	62	105210	22.065	ug/l	95
5) Bromomethane	2.76	94	72380	22.356	ug/l	100
6) Chloroethane	2.92	64	66206	21.487	ug/l	97
7) Trichlorofluoromethane	3.27	101	157858	22.191	ug/l	99
8) Diethyl Ether	3.70	74	48077	21.300	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	101071	21.543	ug/l	98
10) Methyl Iodide	4.29	142	103155	19.002	ug/l	99
11) Tert butyl alcohol	5.24	59	22006	91.110	ug/l	97
12) 1,1-Dichloroethene	4.06	96	91797	20.593	ug/l	97
13) Acrolein	3.93	56	37689	92.420	ug/l	98
14) Allyl chloride	4.71	41	136374	20.107	ug/l	99
15) Acrylonitrile	5.43	53	93963	101.094	ug/l	99
16) Acetone	4.17	43	81463	100.518	ug/l	90
17) Carbon Disulfide	4.40	76	316021	21.505	ug/l	99
18) Methyl Acetate	4.73	43	42752	20.287	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	178815	20.114	ug/l	99
20) Methylene Chloride	4.97	84	113642	19.310	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	104226	20.323	ug/l	97
22) Diisopropyl ether	6.37	45	280509	21.328	ug/l	98
23) Vinyl Acetate	6.31	43	726093	101.353	ug/l	100
24) 1,1-Dichloroethane	6.27	63	176297	21.138	ug/l	98
25) 2-Butanone	7.22	43	113099	102.759	ug/l	99
26) 2,2-Dichloropropane	7.21	77	156274	21.159	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	107798	20.284	ug/l	99
28) Bromochloromethane	7.55	49	71008	20.477	ug/l	99
29) Tetrahydrofuran	7.57	42	69428	97.329	ug/l	100
30) Chloroform	7.71	83	181126	20.965	ug/l	99
31) Cyclohexane	7.98	56	167120	20.699	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	163338	20.927	ug/l	99
36) 1,1-Dichloropropene	8.12	75	144085	21.097	ug/l	99
37) Ethyl Acetate	7.30	43	51167	19.573	ug/l	98
38) Carbon Tetrachloride	8.10	117	152965	21.265	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	164135	20.384	ug/l	97
40) Benzene	8.35	78	420733	21.589	ug/l	98
41) Methacrylonitrile	7.53	41	28472	18.867	ug/l	95
42) 1,2-Dichloroethane	8.43	62	109178	21.053	ug/l	99
43) Isopropyl Acetate	8.46	43	96214	20.267	ug/l	98
44) Trichloroethene	9.11	130	117052	20.700	ug/l	97
45) 1,2-Dichloropropane	9.39	63	101559	21.453	ug/l	94
46) Dibromomethane	9.48	93	53649	21.597	ug/l	98
47) Bromodichloromethane	9.67	83	137866	20.950	ug/l	98
48) Methyl methacrylate	9.46	41	43917	19.456	ug/l	96
49) 1,4-Dioxane	9.47	88	11077	410.078	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	258188	107.770	ug/l	99
52) Toluene	10.41	92	262487	21.268	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	120888	20.085	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	152324	20.685	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	75858	21.407	ug/l	93
56) Ethyl methacrylate	10.67	69	75468	19.583	ug/l	94
57) 1,3-Dichloropropane	10.95	76	123151	20.652	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	195529	97.234	ug/l	98
59) 2-Hexanone	10.99	43	168050	102.880	ug/l	97
60) Dibromochloromethane	11.14	129	98301	20.933	ug/l	100
61) 1,2-Dibromoethane	11.25	107	71927	20.972	ug/l	99
64) Tetrachloroethene	10.88	164	104196	20.898	ug/l	96
65) Chlorobenzene	11.67	112	284668	20.920	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	107104	21.107	ug/l	99
67) Ethyl Benzene	11.75	91	474256	20.693	ug/l	100
68) m/p-Xylenes	11.86	106	380943	42.332	ug/l	99
69) o-Xylene	12.19	106	162640	20.637	ug/l	99
70) Styrene	12.20	104	296873	21.327	ug/l	98
71) Bromoform	12.37	173	58034	20.734	ug/l #	99
73) Isopropylbenzene	12.48	105	451463	20.784	ug/l	99
74) N-amyl acetate	12.30	43	82704	19.293	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	79476	21.065	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	99204	36.476	ug/l #	100
77) Bromobenzene	12.77	156	120223	21.180	ug/l	97
78) n-propylbenzene	12.83	91	550482	21.261	ug/l	100
79) 2-Chlorotoluene	12.91	91	309962	20.984	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	384247	21.342	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	22553	18.510	ug/l	89
82) 4-Chlorotoluene	13.01	91	332774	21.199	ug/l	100
83) tert-Butylbenzene	13.23	119	308145	20.435	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	381739	21.208	ug/l	99
85) sec-Butylbenzene	13.41	105	453282	21.006	ug/l	98
86) p-Isopropyltoluene	13.53	119	418883	21.065	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	228583	20.919	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	223735	20.491	ug/l	97
89) n-Butylbenzene	13.86	91	372182	20.610	ug/l	99
90) Hexachloroethane	14.12	117	85284	20.452	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	196908	21.228	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11439	20.125	ug/l	97

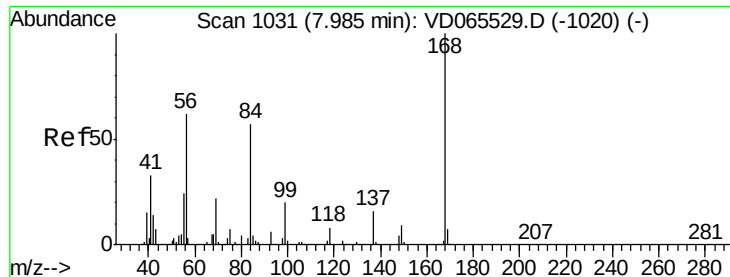
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	129580	20.200	ug/l	97
94) Hexachlorobutadiene	15.28	225	89743	21.468	ug/l	97
95) Naphthalene	15.41	128	175992	19.037	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	110047	19.974	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

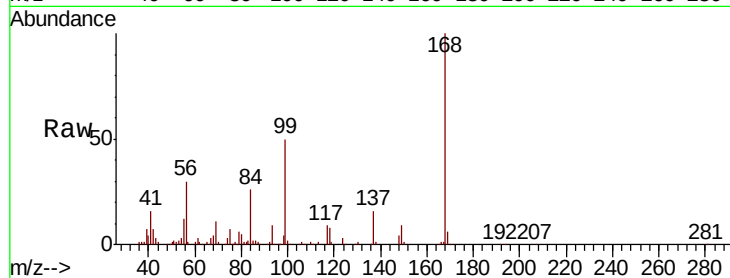
ClientSampleId :

Tot Ion:168 Resp: 515975

Ion Ratio Lower Upper

168 100

99 50.0 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

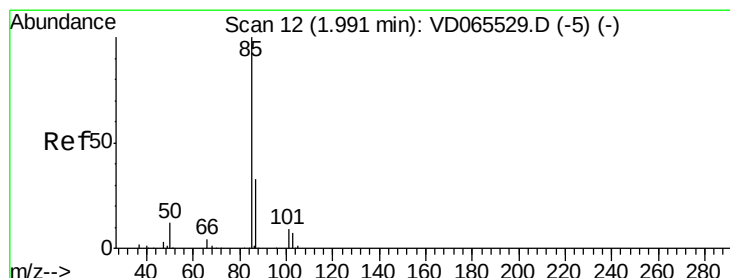
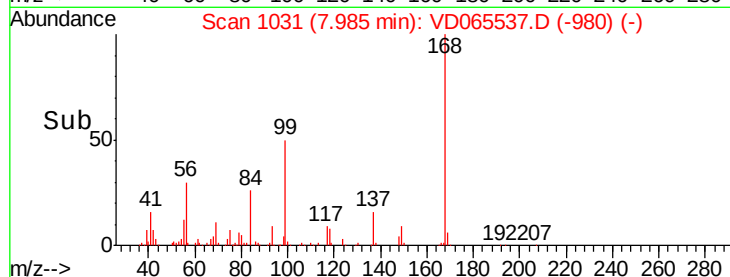
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 26.346 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065537.D

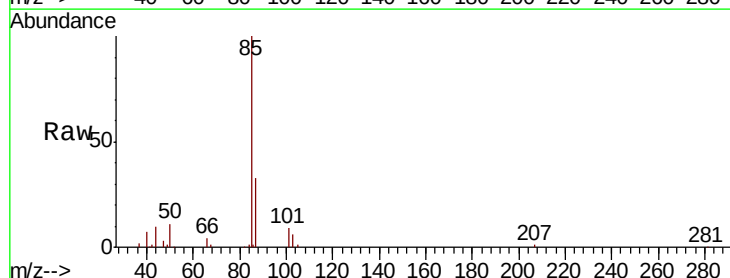
Acq: 27 Mar 2020 11:54

Tgt Ion: 85 Resp: 81910

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

1.99

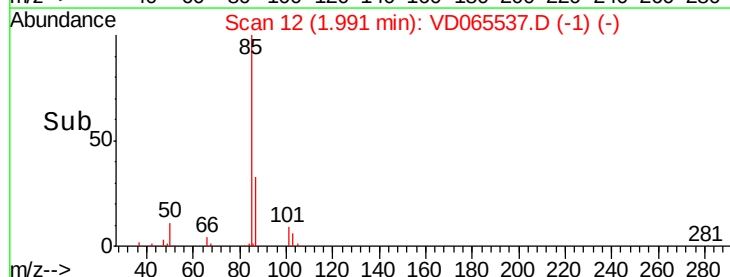
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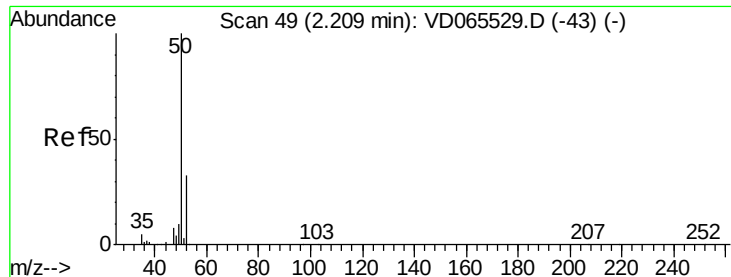
40000

20000

0

Time-->





#3

Chloromethane

Concen: 23.686 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

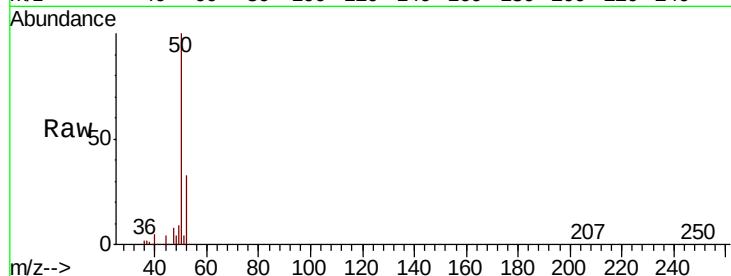
ClientSampleId :

Tot Ion: 50 Resp: 103131

Ion Ratio Lower Upper

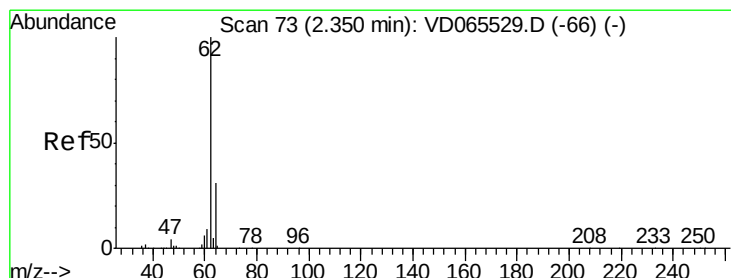
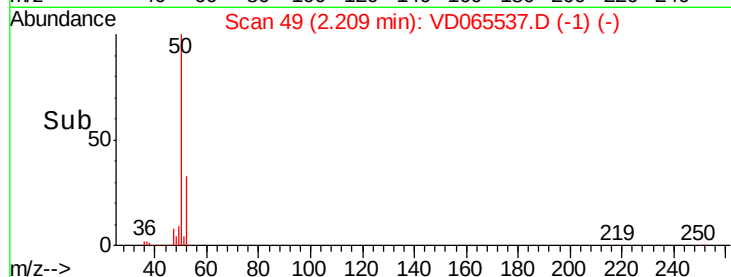
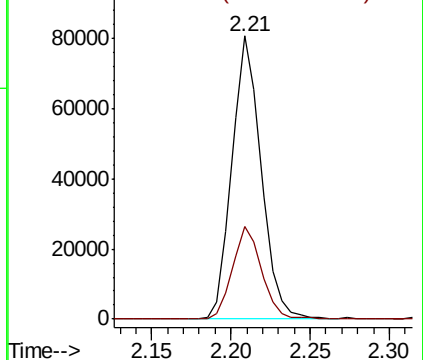
50 100

52 32.7 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: 22.065 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065537.D

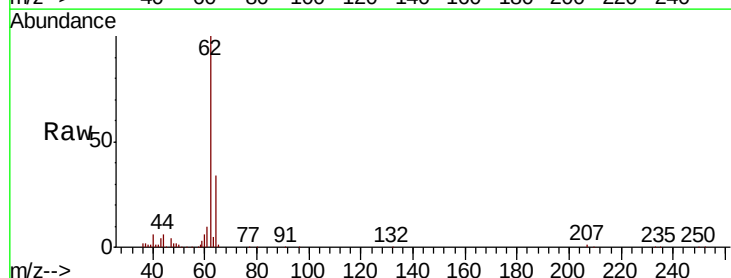
Acq: 27 Mar 2020 11:54

Tgt Ion: 62 Resp: 105210

Ion Ratio Lower Upper

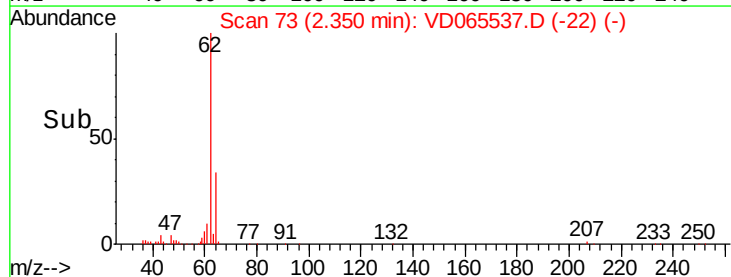
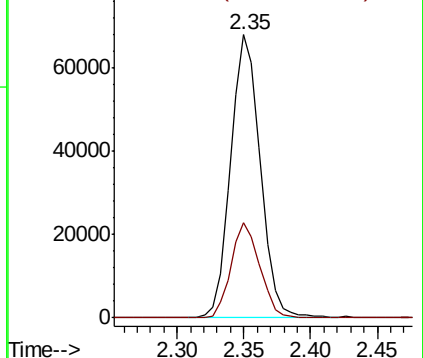
62 100

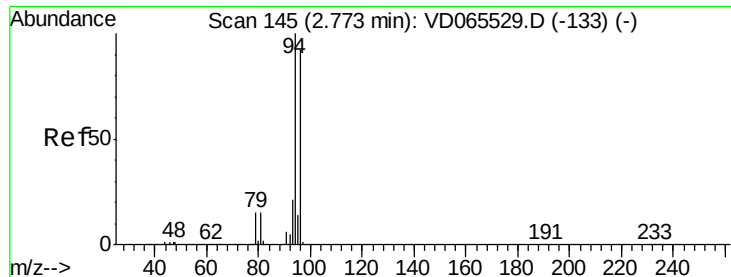
64 33.8 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 22.356 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

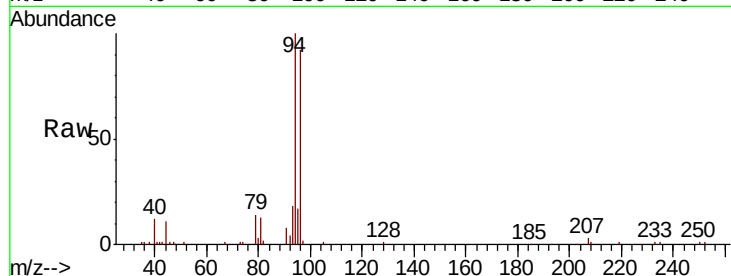
ClientSampleId :

Tot Ion: 94 Resp: 72380

Ion Ratio Lower Upper

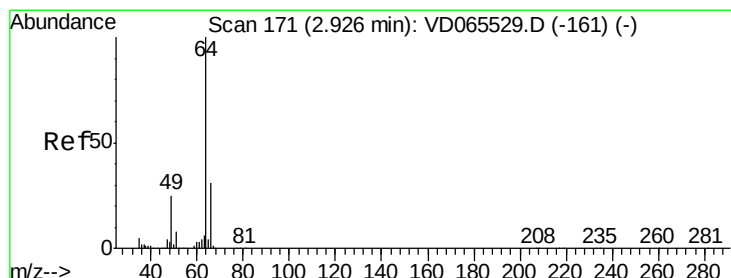
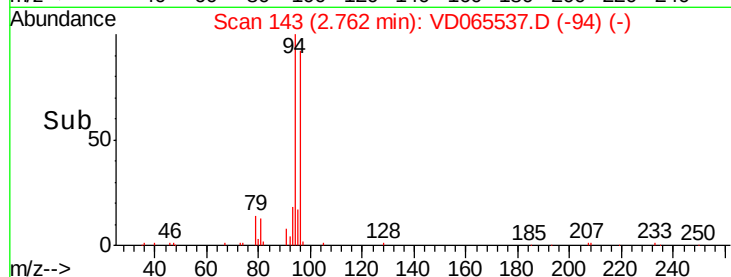
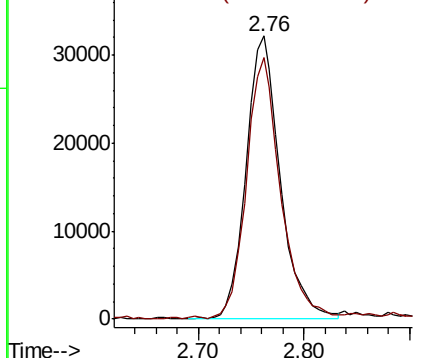
94 100

96 91.8 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: 21.487 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065537.D

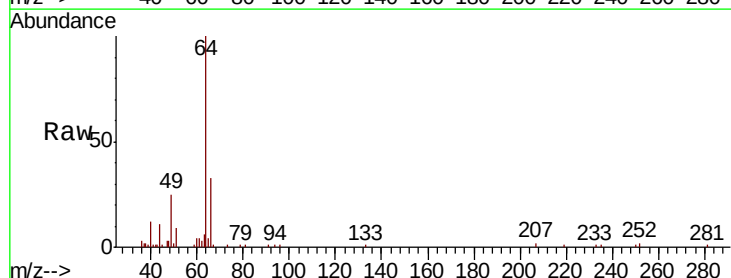
Acq: 27 Mar 2020 11:54

Tgt Ion: 64 Resp: 66206

Ion Ratio Lower Upper

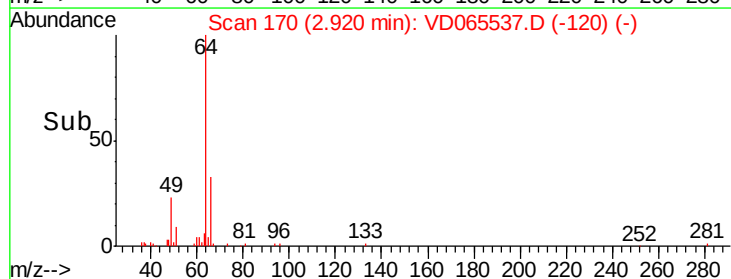
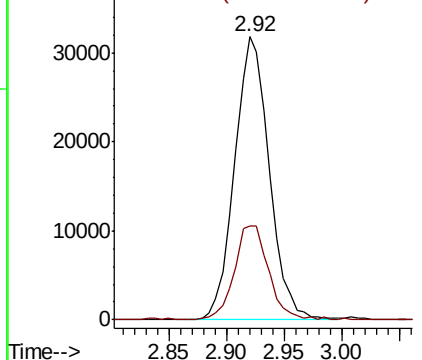
64 100

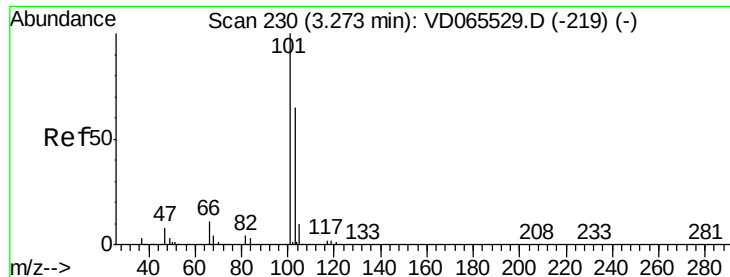
66 33.0 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



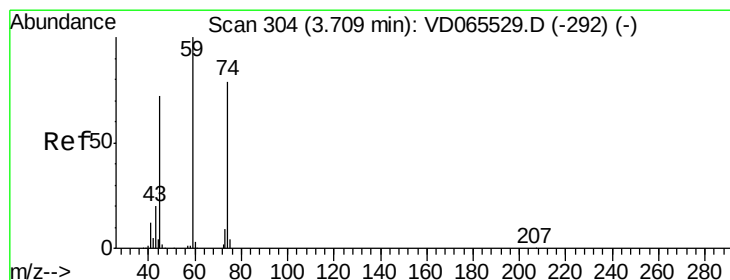
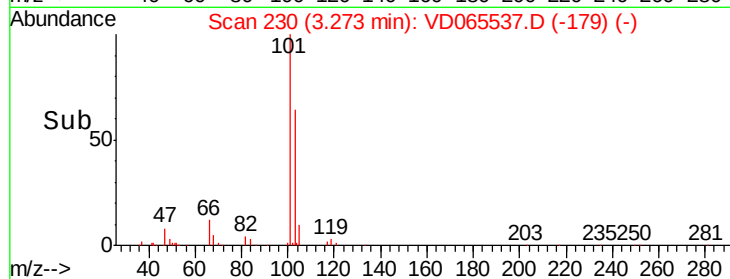
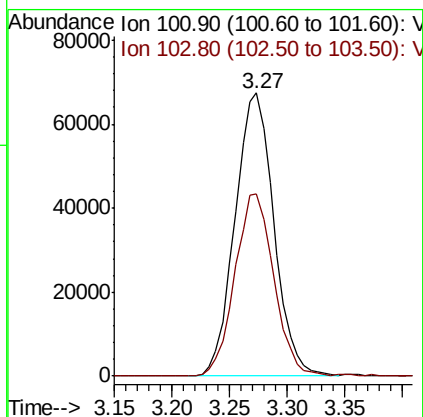
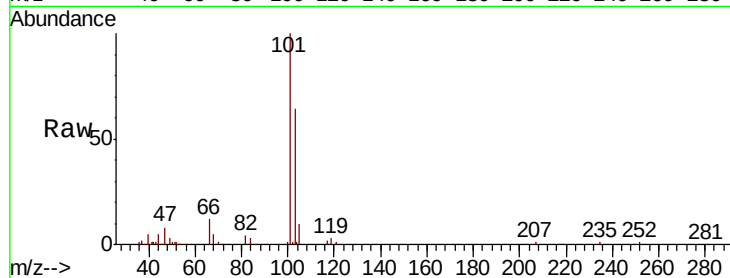


#7

Trichlorofluoromethane
 Concen: 22.191 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Instrument :
 MSVOA_D
 ClientSampleId :

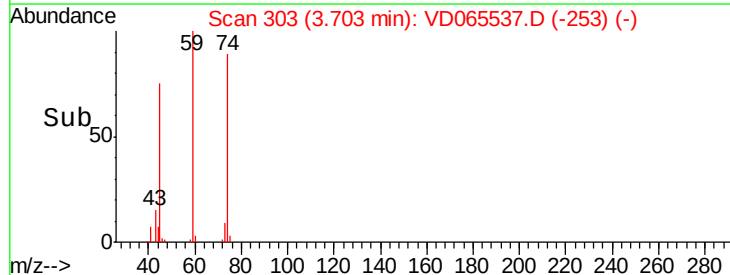
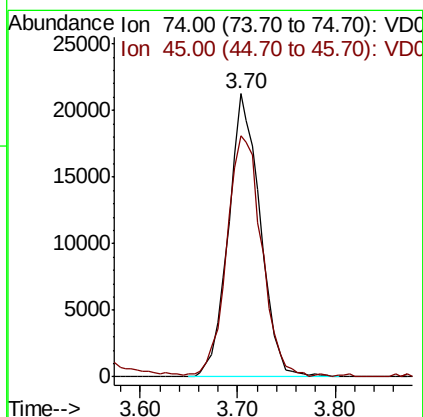
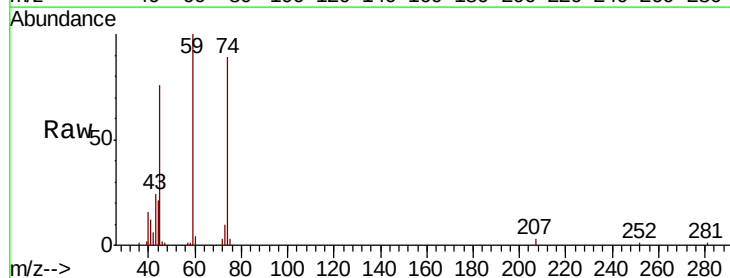
Tot Ion:101 Resp: 157858
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.9 77.9

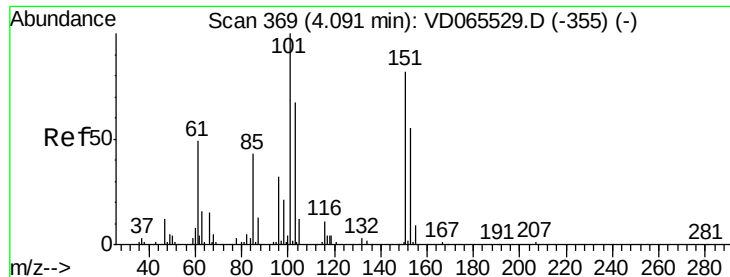


#8

Diethyl Ether
 Concen: 21.300 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Tgt Ion: 74 Resp: 48077
 Ion Ratio Lower Upper
 74 100
 45 93.7 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.543 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

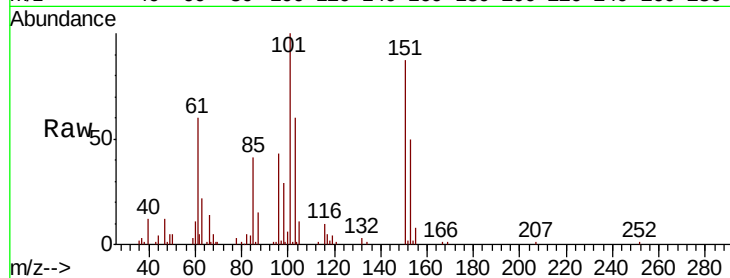
Tot Ion:101 Resp: 101071

Ion Ratio Lower Upper

101 100

85 41.5 32.6 48.8

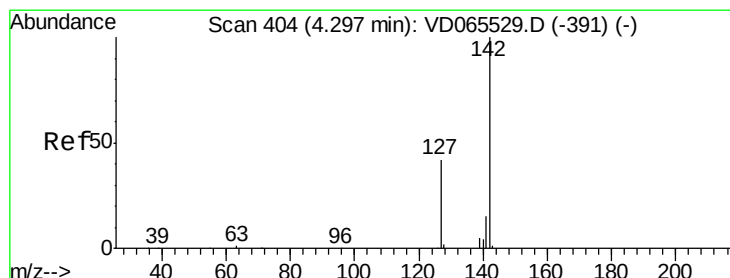
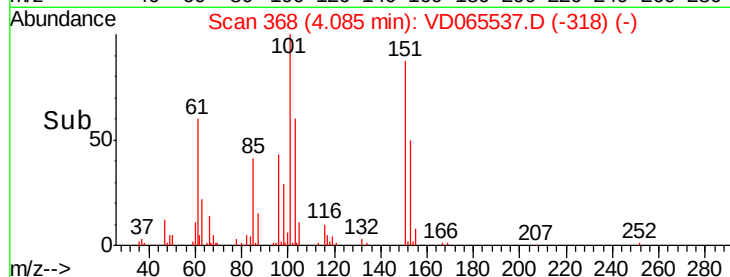
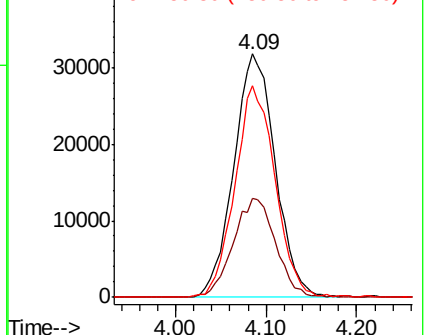
151 84.3 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VD

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.002 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

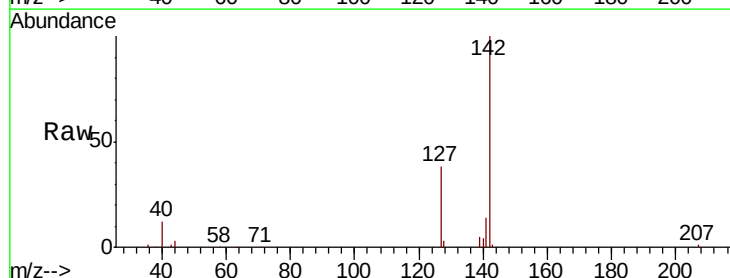
Tgt Ion:142 Resp: 103155

Ion Ratio Lower Upper

142 100

127 41.8 33.9 50.9

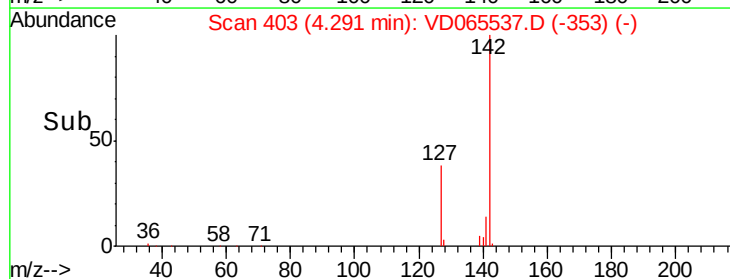
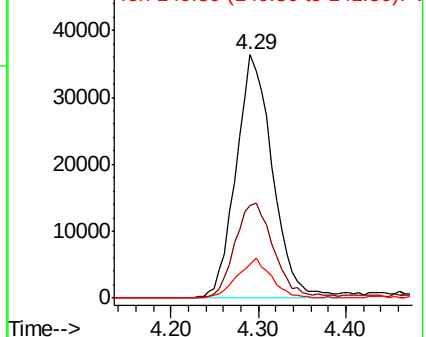
141 15.1 11.6 17.4

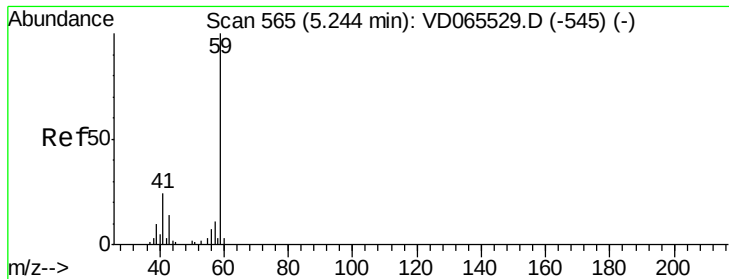


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



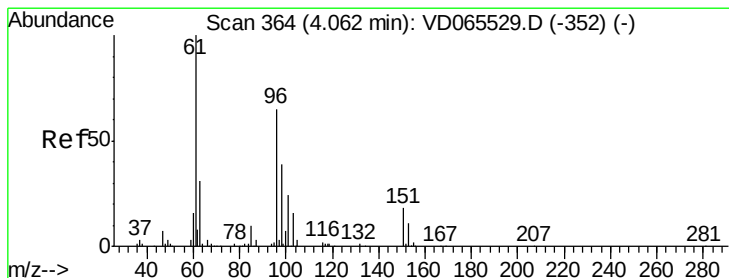
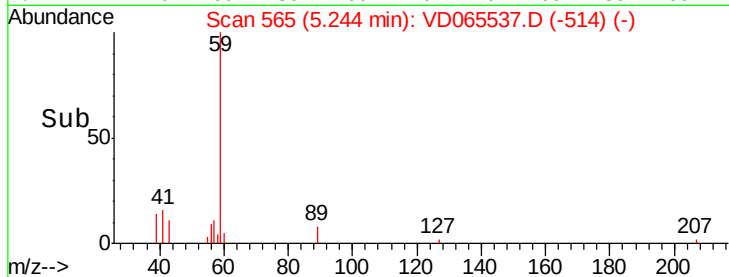
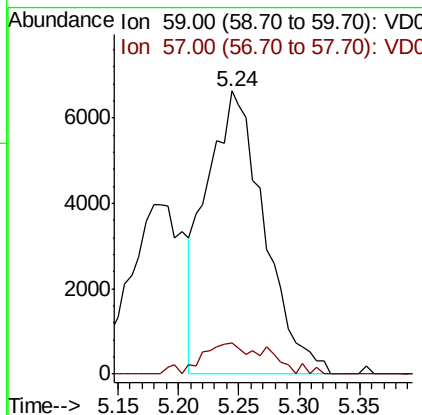
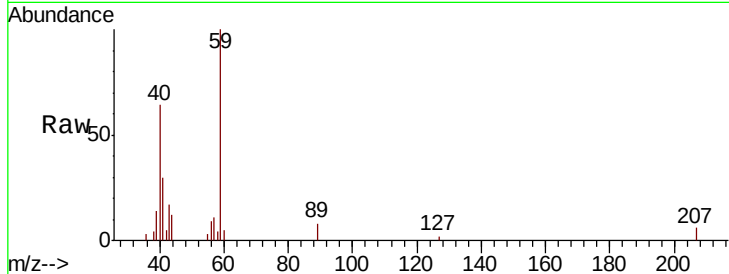


#11

Tert butyl alcohol
Concen: 91.110 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :

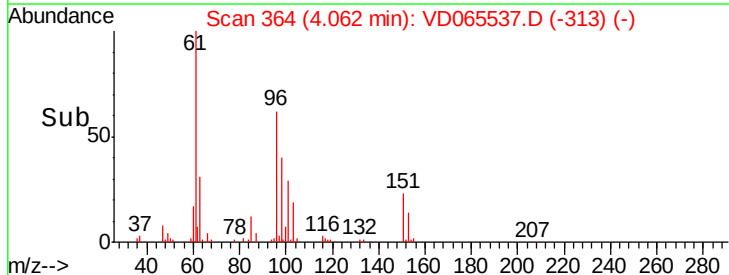
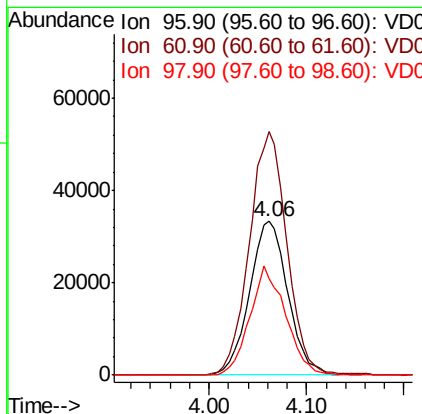
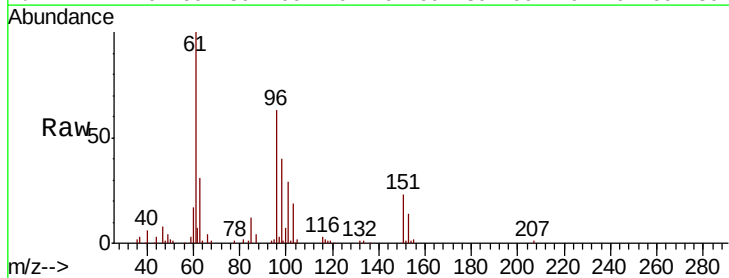
Tot Ion: 59 Resp: 22006
Ion Ratio Lower Upper
59 100
57 9.0 8.1 12.1

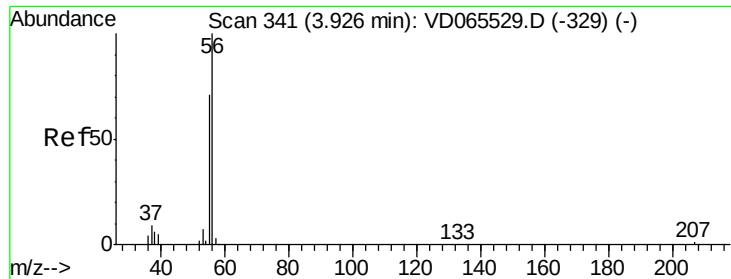


#12

1,1-Dichloroethene
Concen: 20.593 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion: 96 Resp: 91797
Ion Ratio Lower Upper
96 100
61 158.3 124.0 186.0
98 62.6 48.2 72.4





#13

Acrolein

Concen: 92.420 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

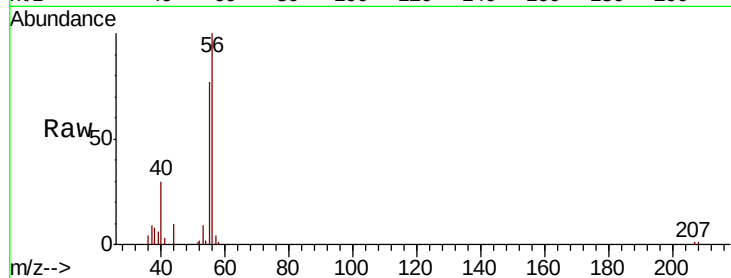
ClientSampleId :

Tot Ion: 56 Resp: 37689

Ion Ratio Lower Upper

56 100

55 72.1 56.2 84.2



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

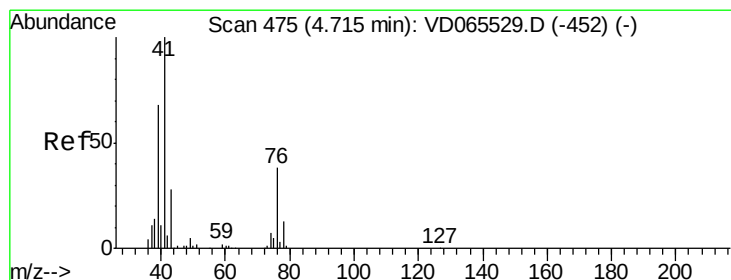
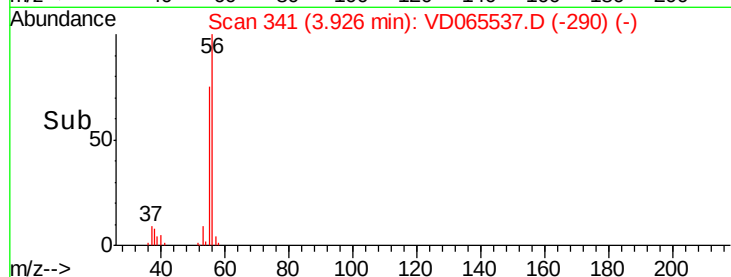
15000

10000

5000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 20.107 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

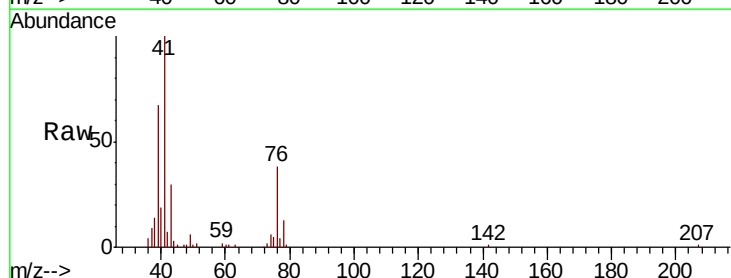
Tgt Ion: 41 Resp: 136374

Ion Ratio Lower Upper

41 100

39 66.0 52.9 79.3

76 37.0 28.9 43.3



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

50000

40000

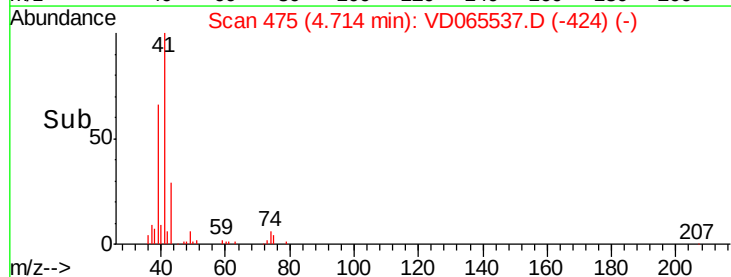
30000

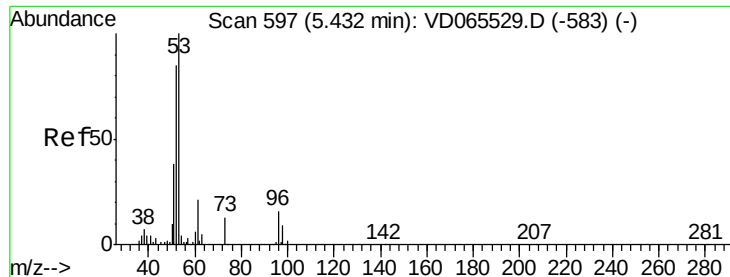
20000

10000

0

Time--> 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 101.094 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

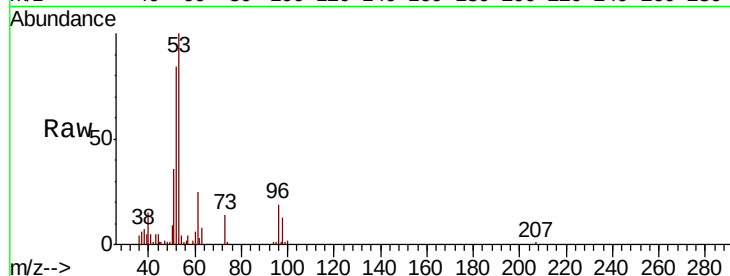
Tot Ion: 53 Resp: 93963

Ion Ratio Lower Upper

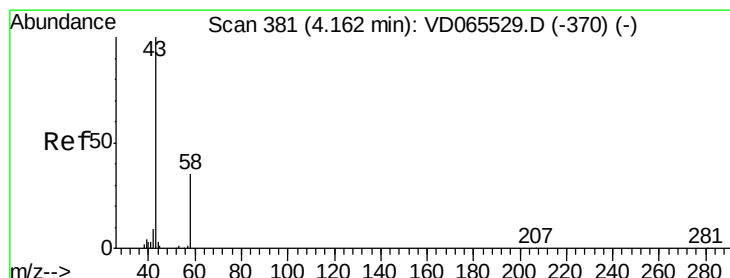
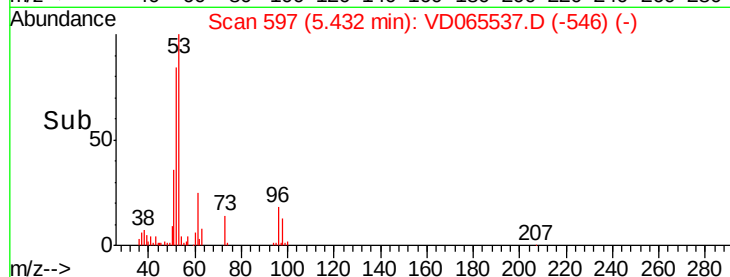
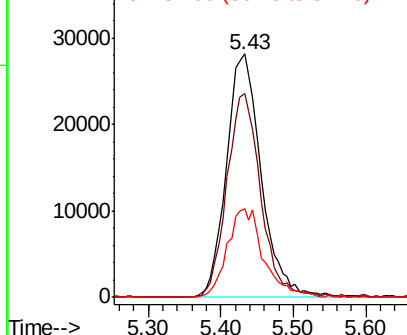
53 100

52 81.4 65.8 98.6

51 37.6 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: 100.518 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD065537.D

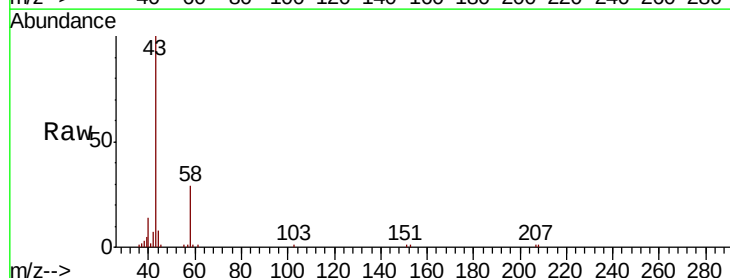
Acq: 27 Mar 2020 11:54

Tgt Ion: 43 Resp: 81463

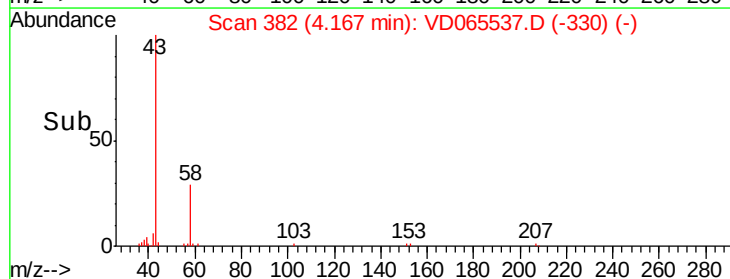
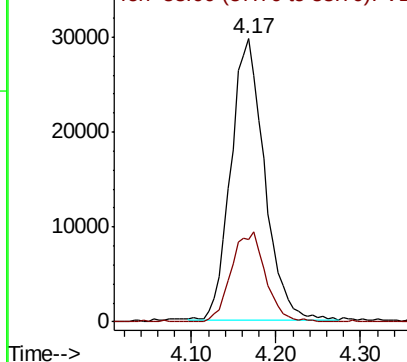
Ion Ratio Lower Upper

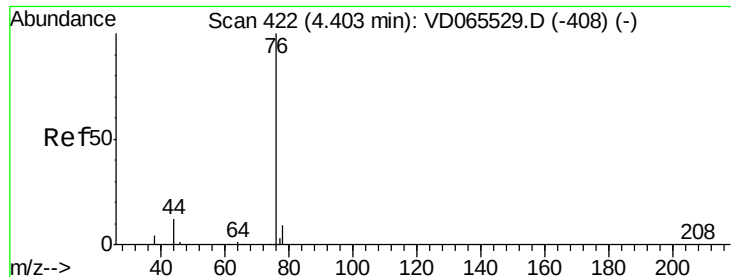
43 100

58 29.2 27.9 41.9



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

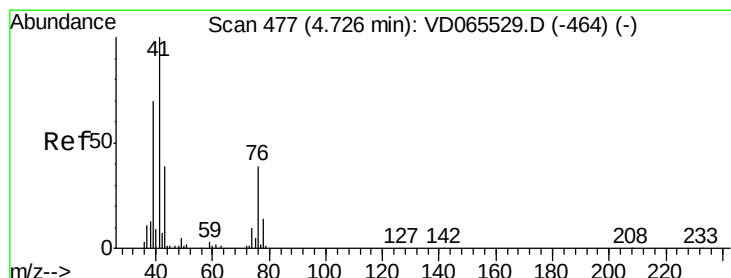
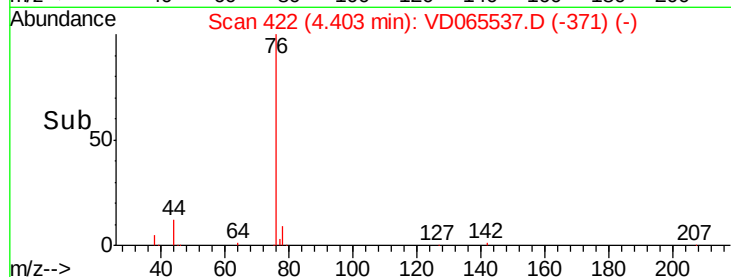
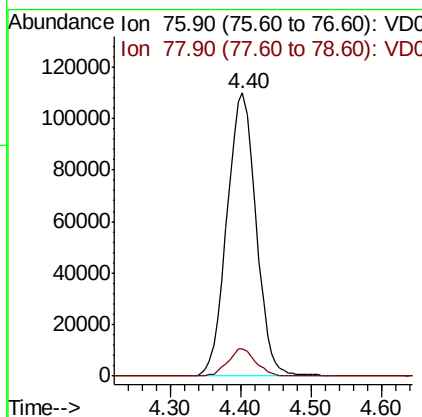
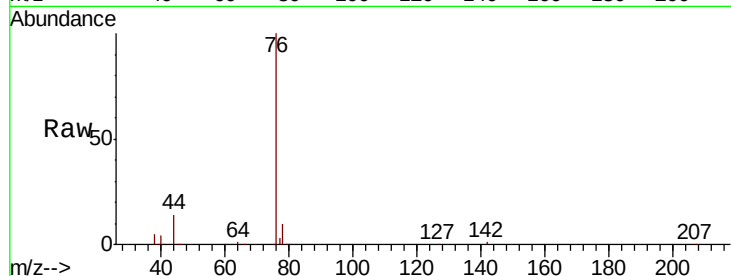




#17
Carbon Disulfide
Concen: 21.505 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

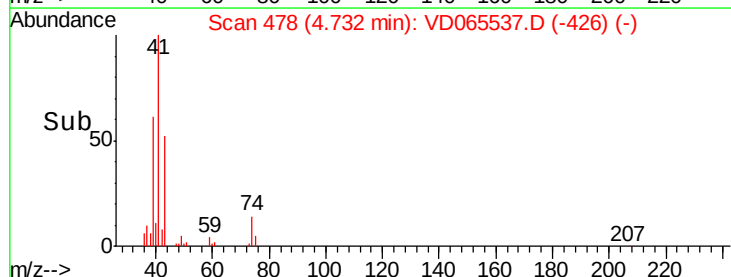
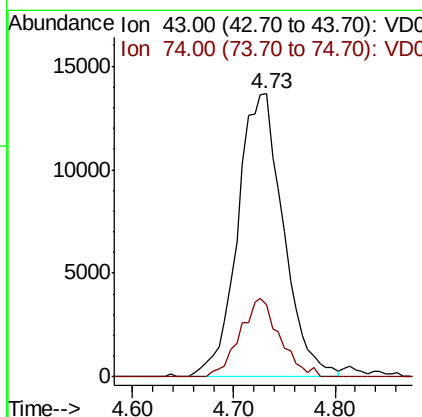
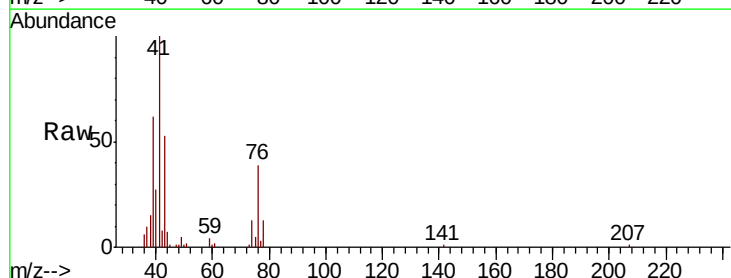
Instrument :
MSVOA_D
ClientSampleId :

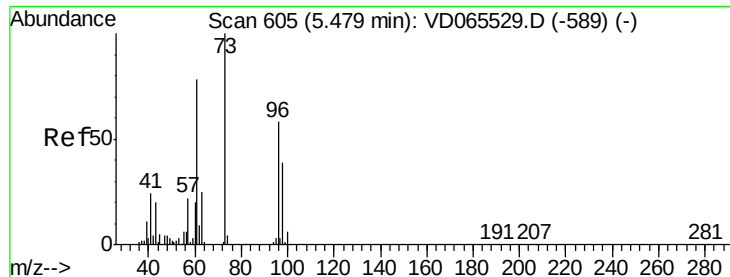
Tot Ion: 76 Resp: 316021
Ion Ratio Lower Upper
76 100
78 9.7 7.5 11.3



#18
Methyl Acetate
Concen: 20.287 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion: 43 Resp: 42752
Ion Ratio Lower Upper
43 100
74 24.0 20.1 30.1

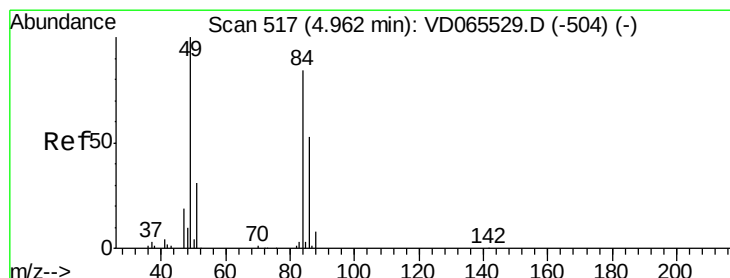
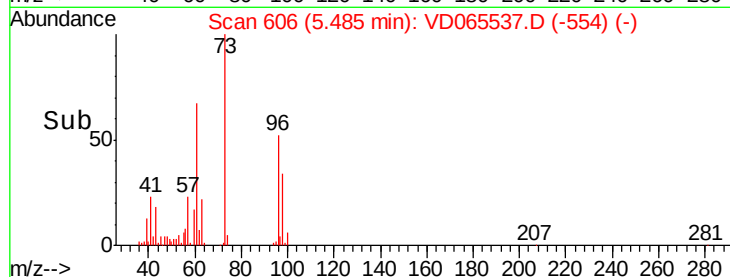
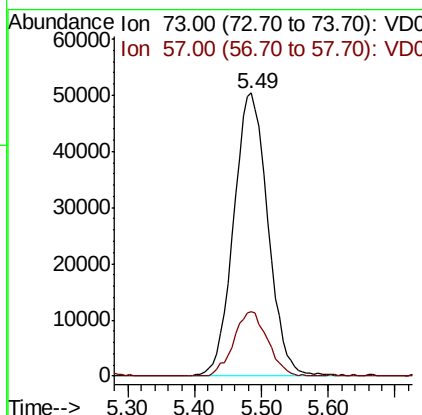
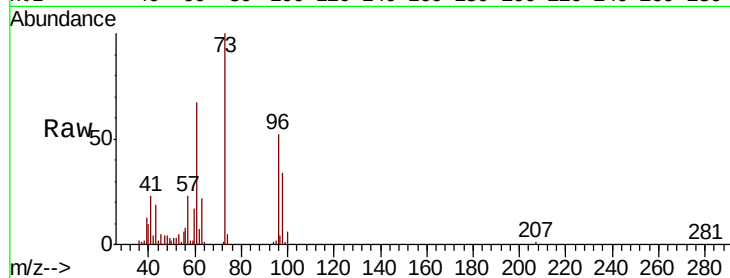




#19
Methyl tert-butyl Ether
Concen: 20.114 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

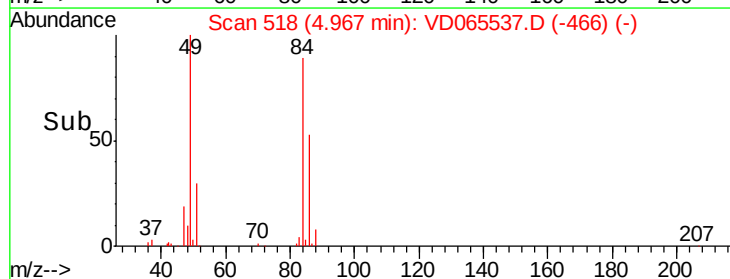
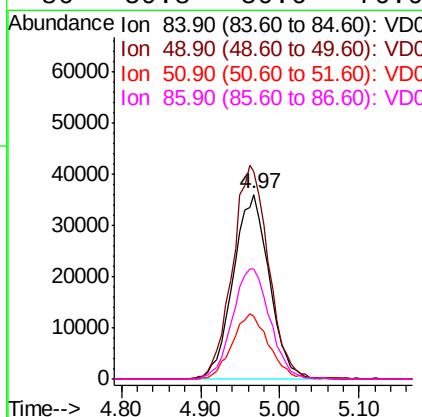
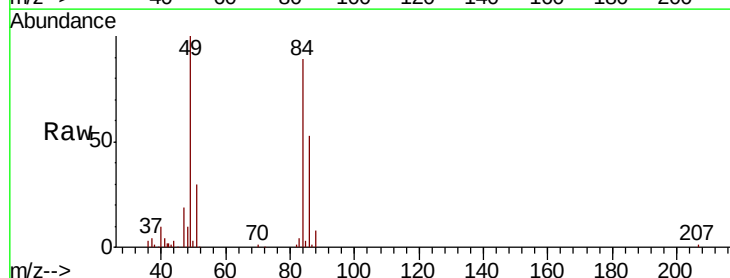
Instrument :
MSVOA_D
ClientSampleId :

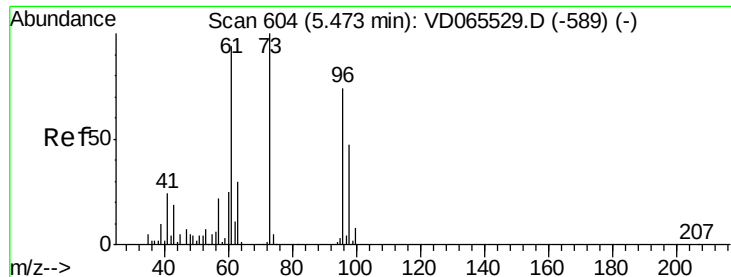
Tot Ion: 73 Resp: 178815
Ion Ratio Lower Upper
73 100
57 22.6 17.7 26.5



#20
Methylene Chloride
Concen: 19.310 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion: 84 Resp: 113642
Ion Ratio Lower Upper
84 100
49 112.2 95.6 143.4
51 34.2 29.4 44.2
86 59.8 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.323 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

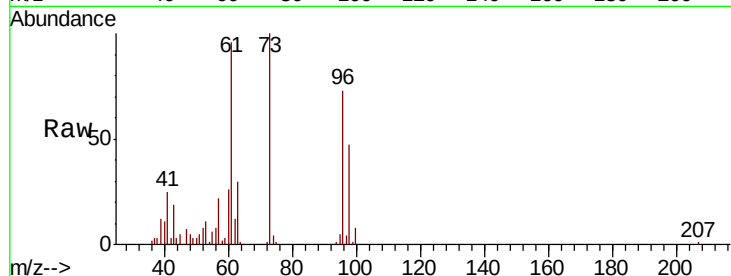
Tot Ion: 96 Resp: 104226

Ion Ratio Lower Upper

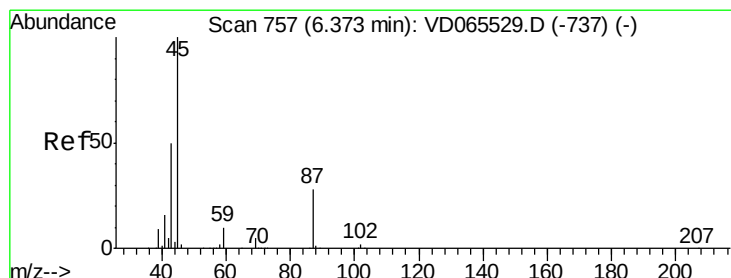
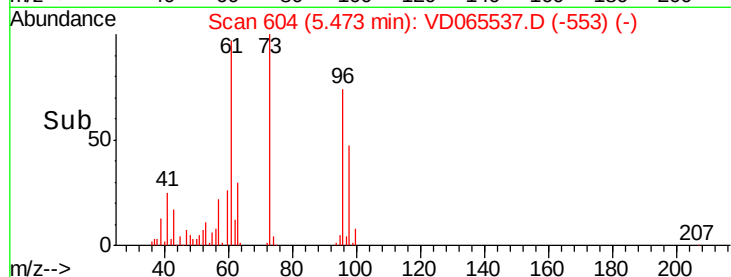
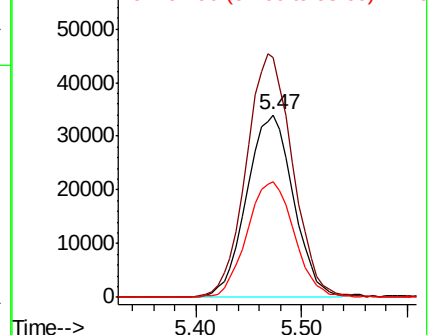
96 100

61 131.3 101.8 152.6

98 63.3 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: 21.328 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Tgt Ion: 45 Resp: 280509

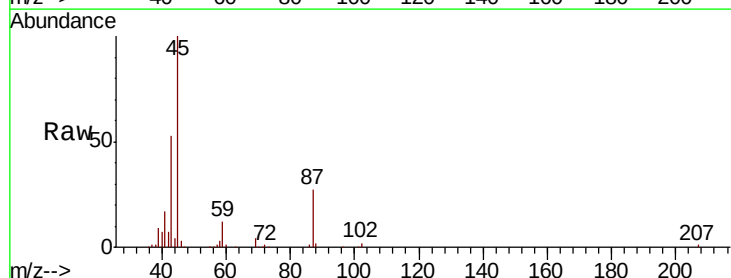
Ion Ratio Lower Upper

45 100

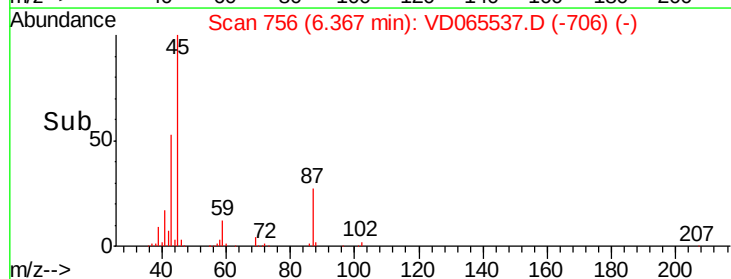
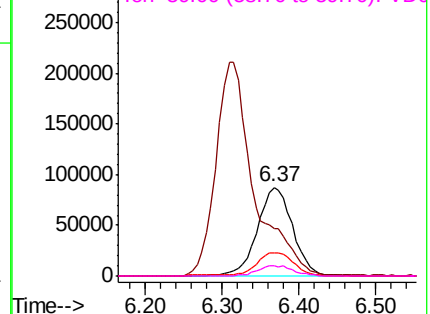
43 52.0 40.5 60.7

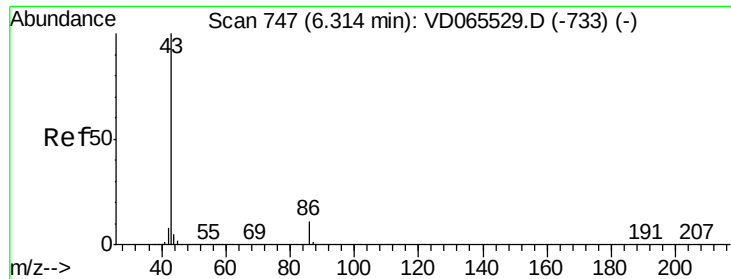
87 26.5 22.5 33.7

59 11.6 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: 101.353 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

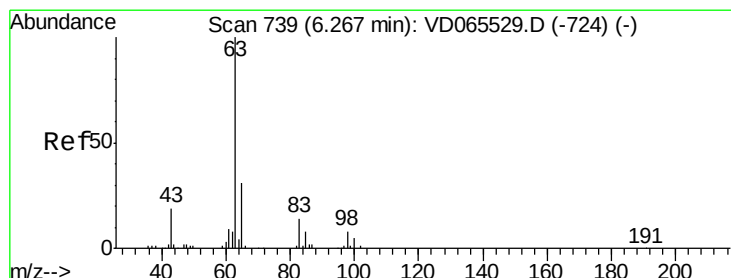
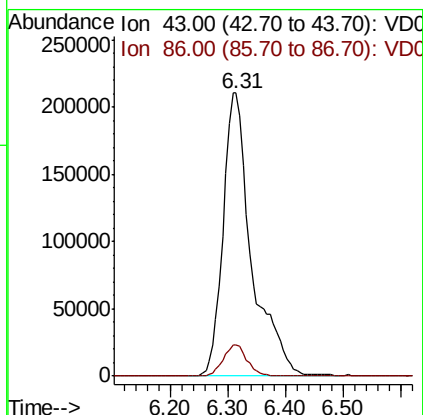
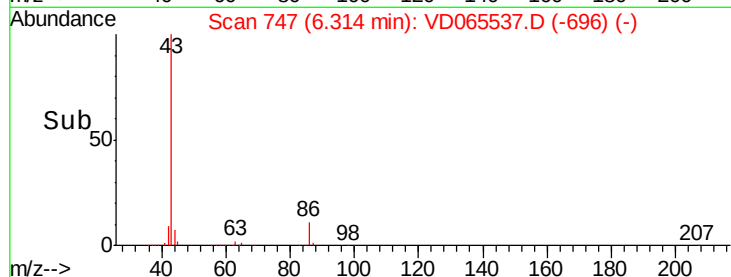
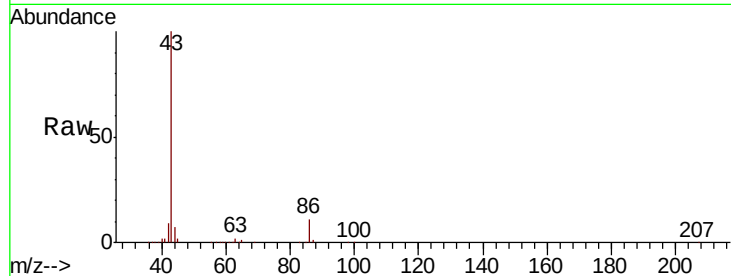
ClientSampled :

Tot Ion: 43 Resp: 726093

Ion Ratio Lower Upper

43 100

86 11.1 9.0 13.4



#24

1,1-Dichloroethane

Concen: 21.138 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

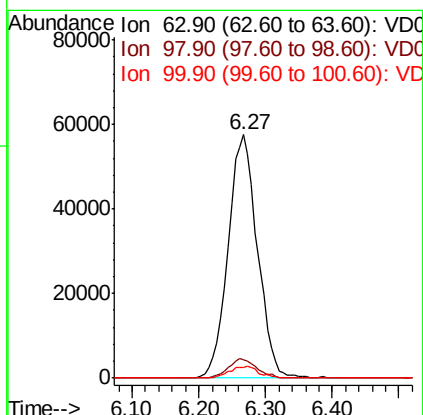
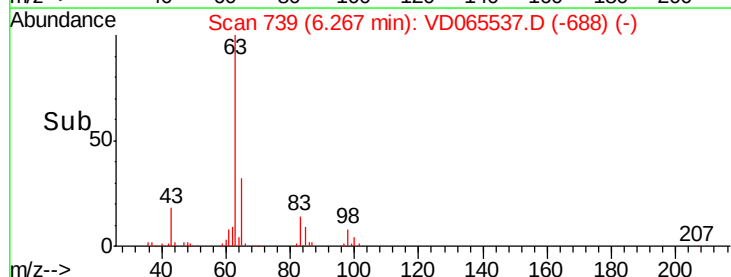
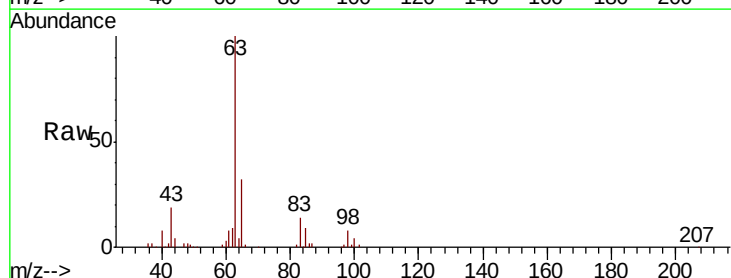
Tgt Ion: 63 Resp: 176297

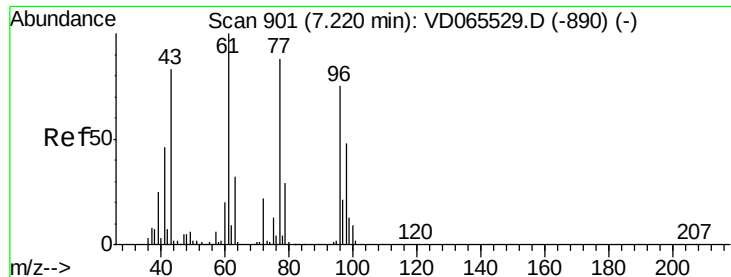
Ion Ratio Lower Upper

63 100

98 7.7 4.2 12.6

100 4.3 2.5 7.4





#25

2-Butanone

Concen: 102.759 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

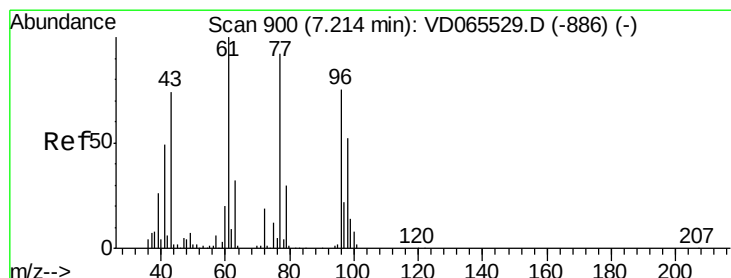
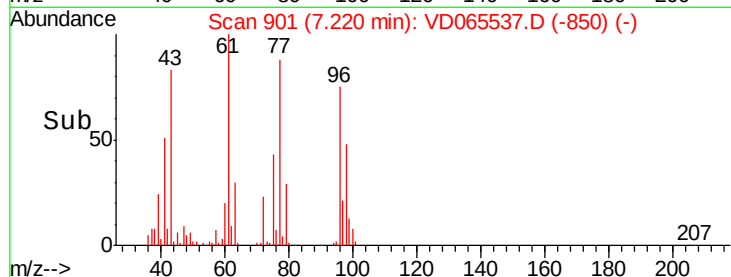
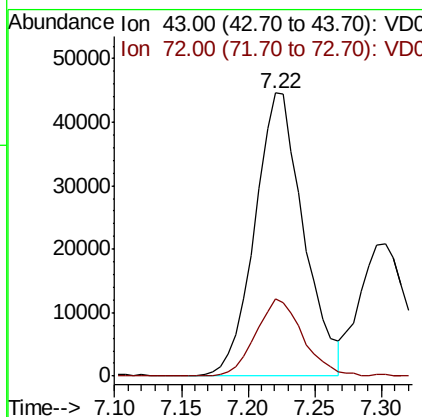
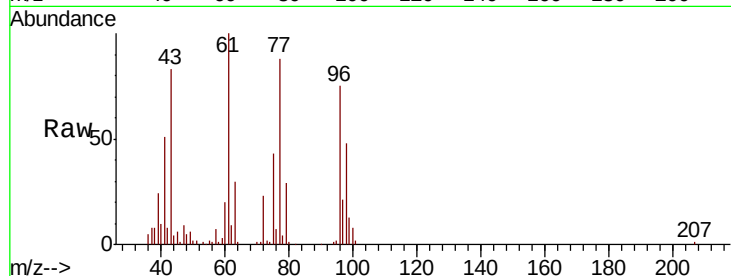
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 113099

Ion Ratio Lower Upper

43 100

72 27.5 21.5 32.3



#26

2,2-Dichloropropane

Concen: 21.159 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065537.D

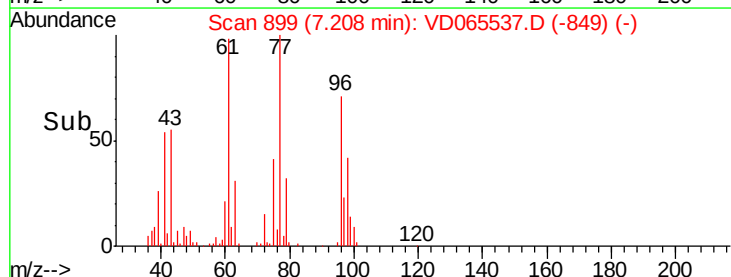
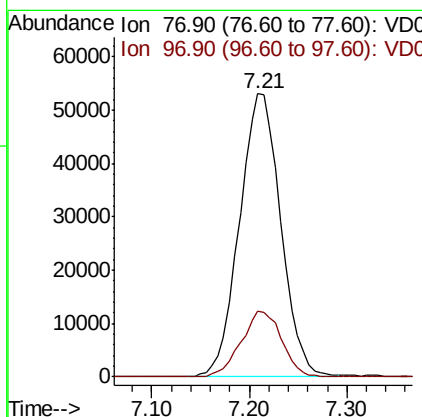
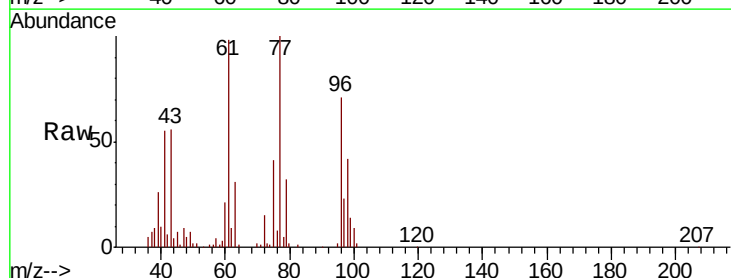
Acq: 27 Mar 2020 11:54

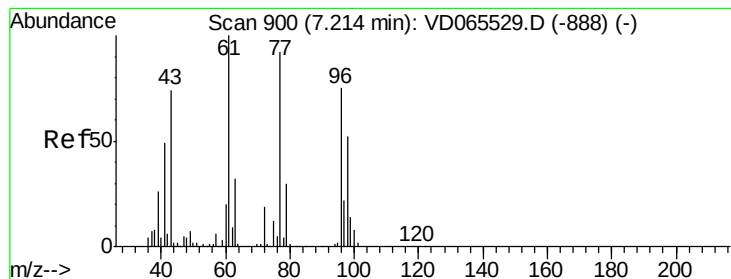
Tgt Ion: 77 Resp: 156274

Ion Ratio Lower Upper

77 100

97 22.8 11.7 35.1



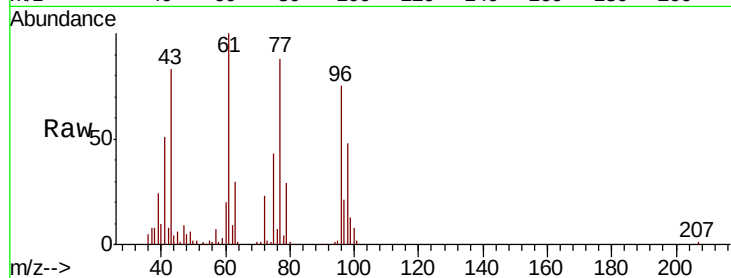


#27

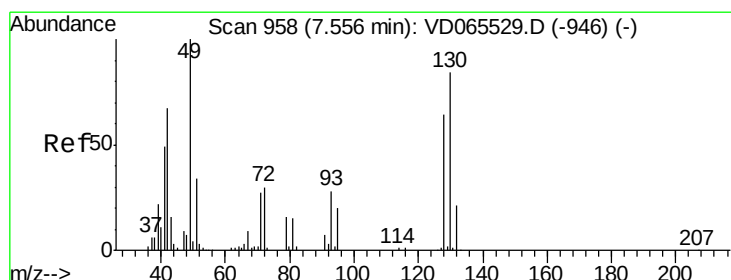
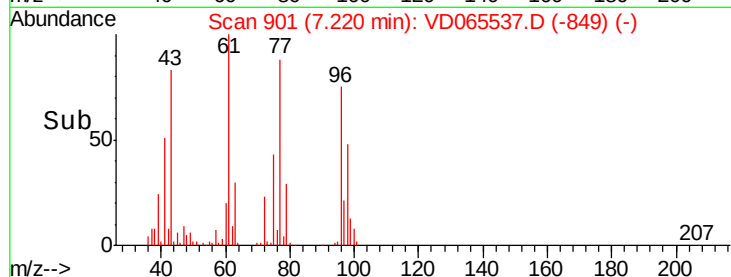
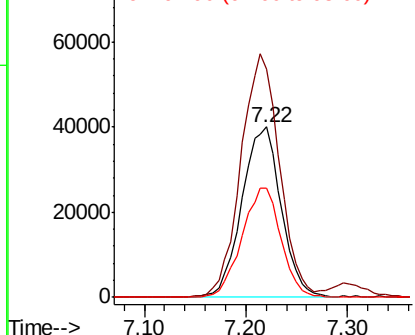
cis-1,2-Dichloroethene
 Concen: 20.284 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	96	Resp	107798
Ion	Ratio	Lower	Upper
96	100		
61	141.0	0.0	278.0
98	64.0	0.0	129.6



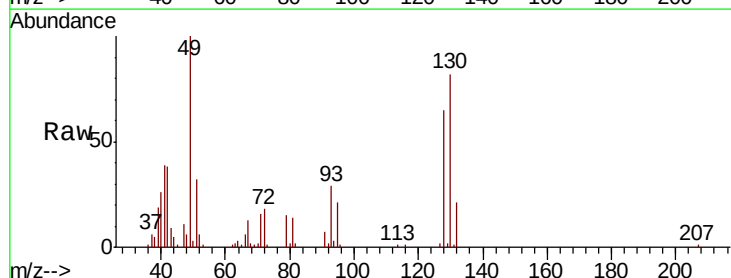
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



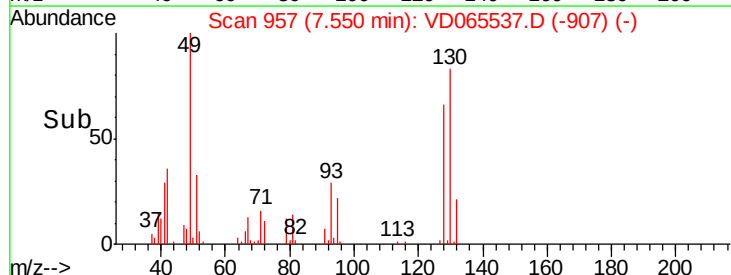
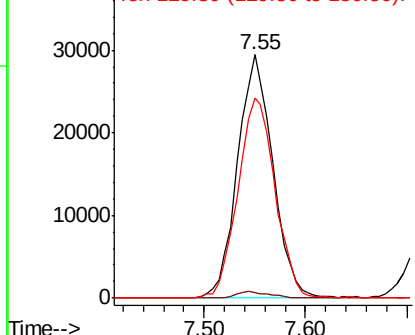
#28

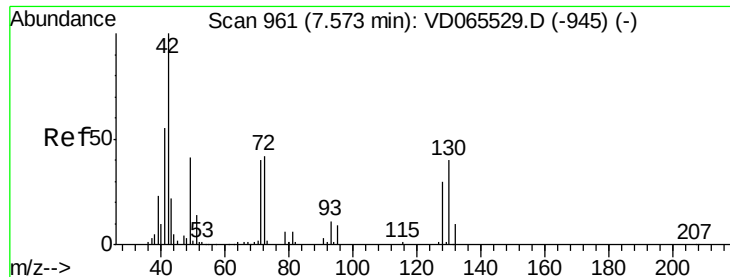
Bromochloromethane
 Concen: 20.477 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Tgt Ion	49	Resp	71008
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	86.3	69.7	104.5



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

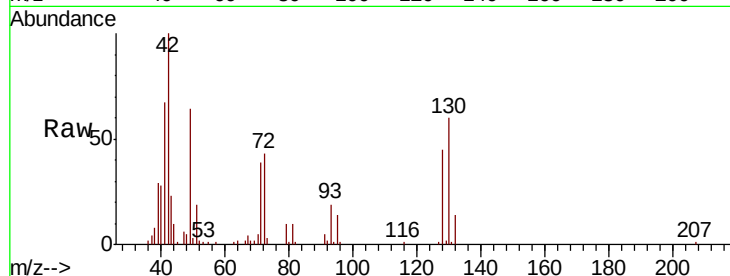




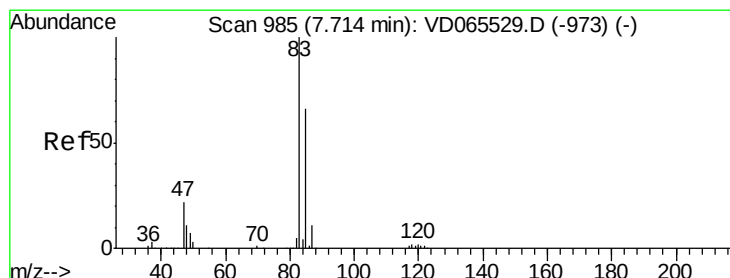
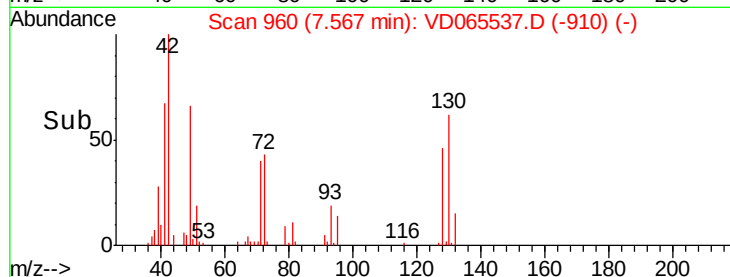
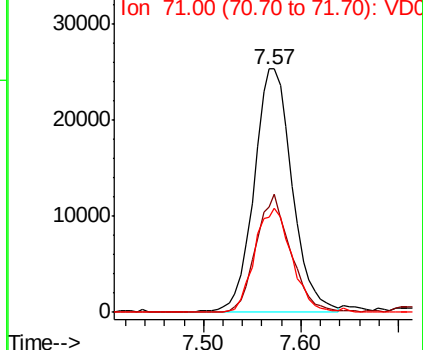
#29
Tetrahydrofuran
Concen: 97.329 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 69428
Ion Ratio Lower Upper
42 100
72 44.2 35.0 52.6
71 41.3 33.0 49.6

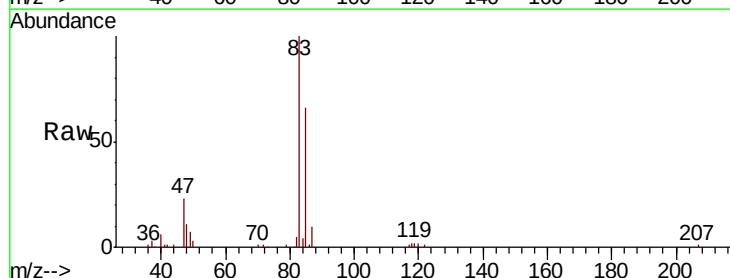


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

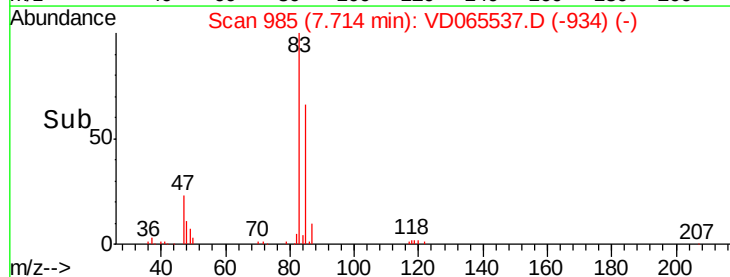
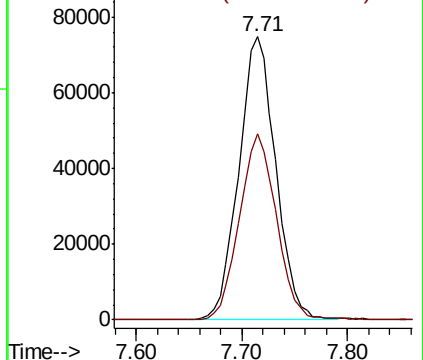


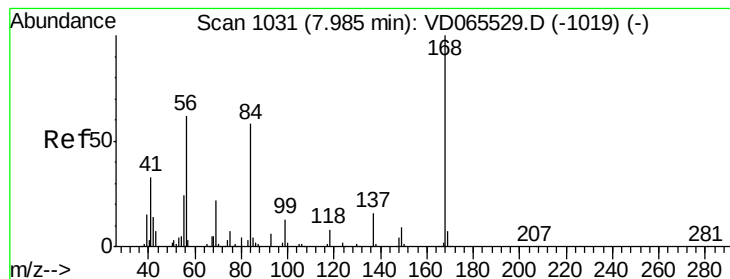
#30
Chloroform
Concen: 20.965 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion: 83 Resp: 181126
Ion Ratio Lower Upper
83 100
85 65.6 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: 20.699 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

ClientSampled :

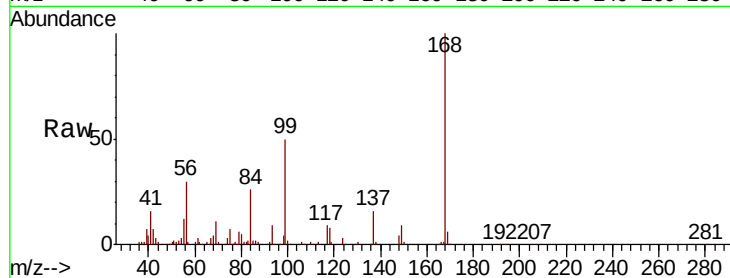
Tot Ion: 56 Resp: 167120

Ion Ratio Lower Upper

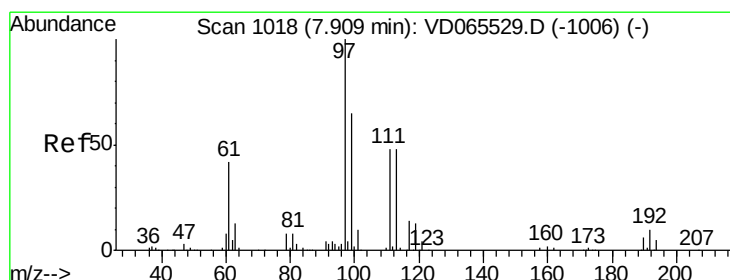
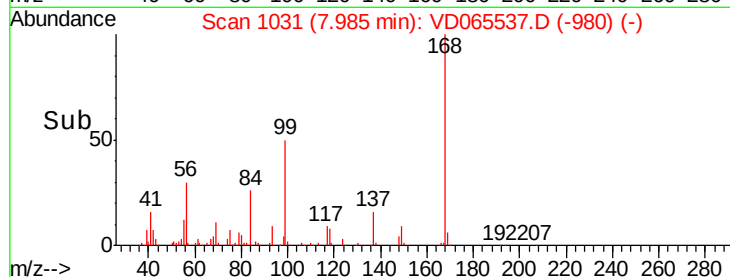
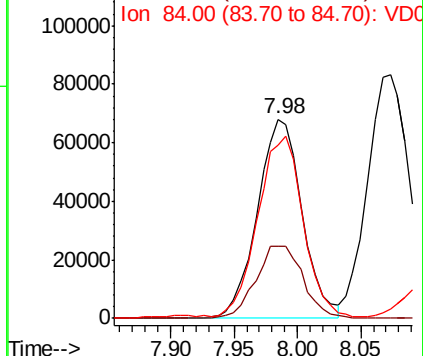
56 100

69 36.1 28.2 42.4

84 85.3 73.4 110.0



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 20.927 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

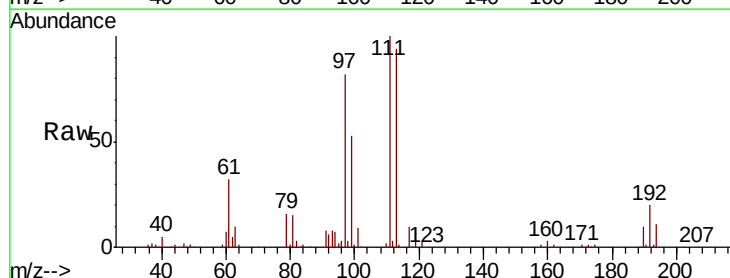
Tgt Ion: 97 Resp: 163338

Ion Ratio Lower Upper

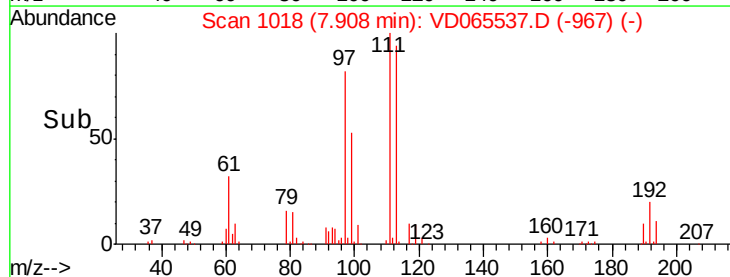
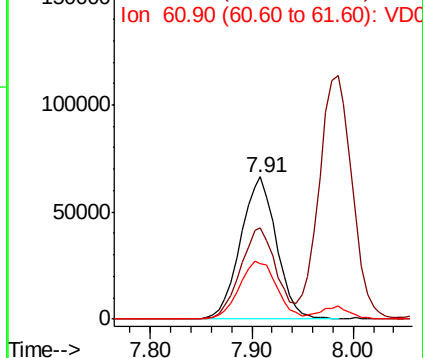
97 100

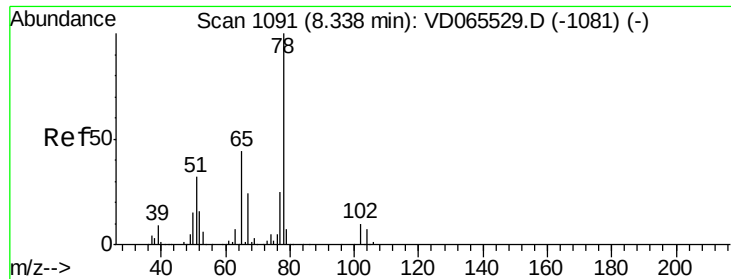
99 64.6 51.2 76.8

61 42.5 33.4 50.2



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC

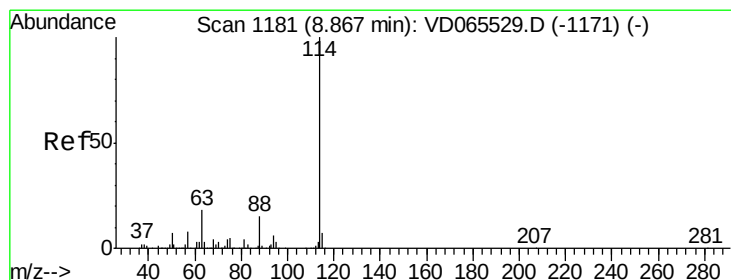
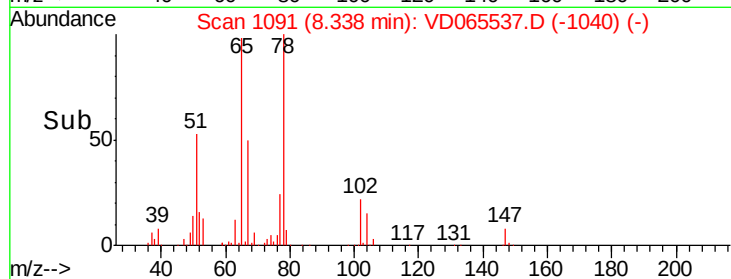
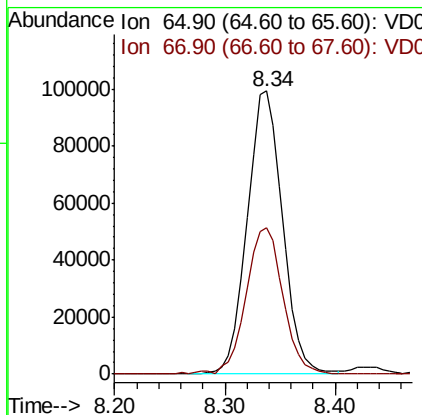
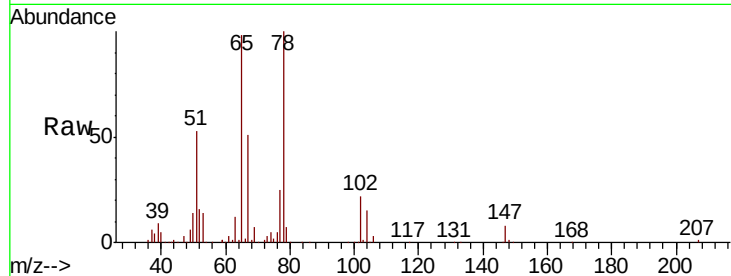




#33
 1,2-Dichloroethane-d4
 Concen: 52.122 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

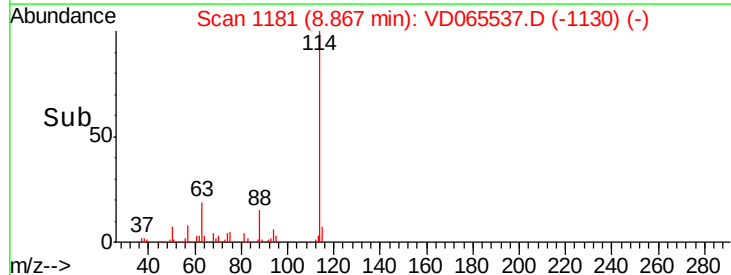
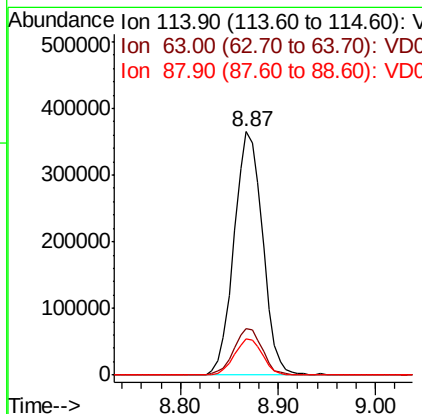
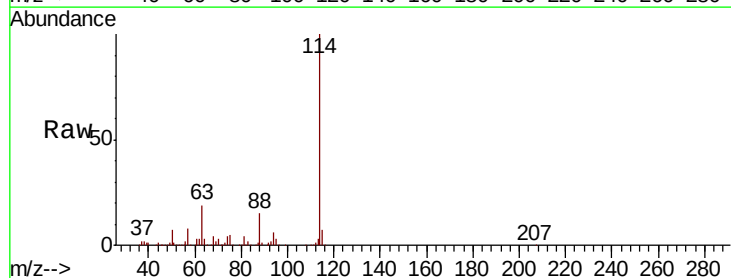
Instrument :
 MSVOA_D
 ClientSampleId :

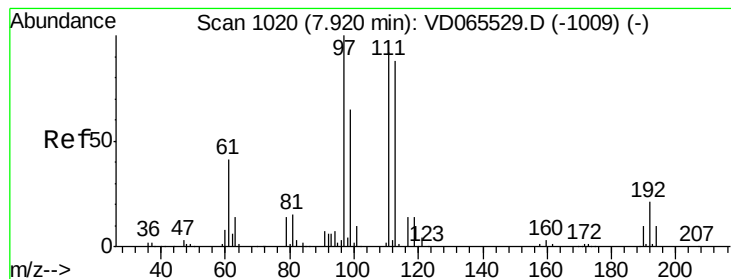
Tot Ion: 65 Resp: 223872
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Tgt Ion: 114 Resp: 747498
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 37.0
 88 14.7 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.476 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :

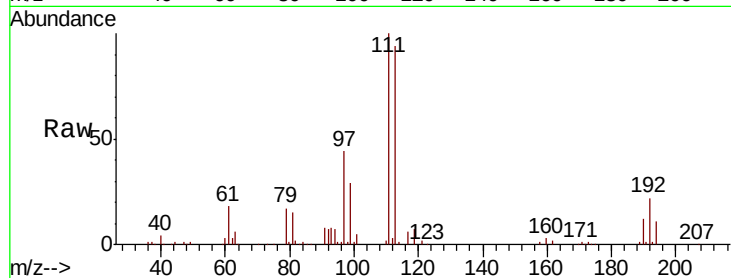
Tot Ion:113 Resp: 237504

Ion Ratio Lower Upper

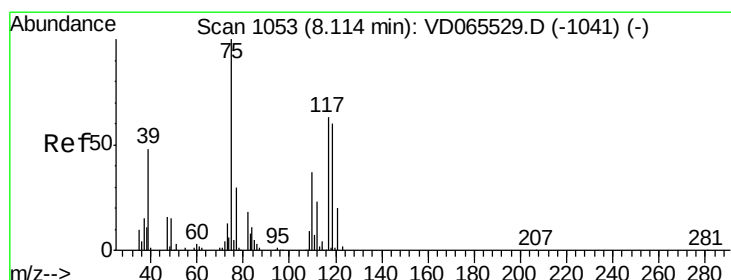
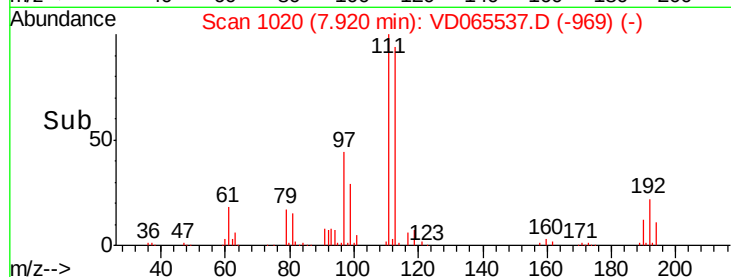
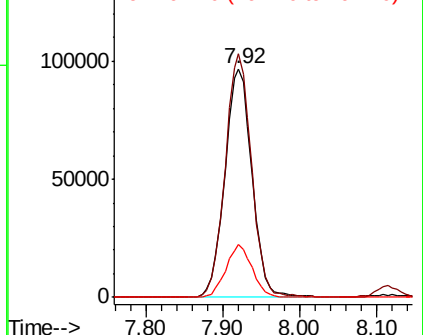
113 100

111 103.3 83.3 124.9

192 22.2 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: 21.097 ug/l

RT: 8.12 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

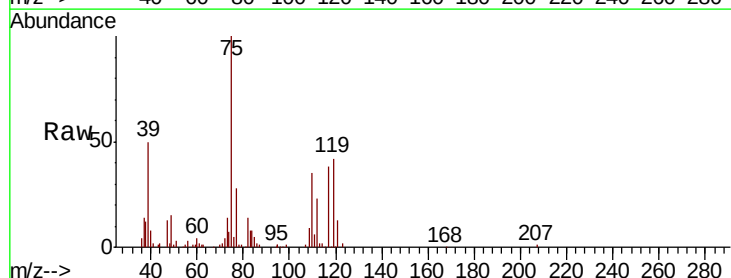
Tgt Ion: 75 Resp: 144085

Ion Ratio Lower Upper

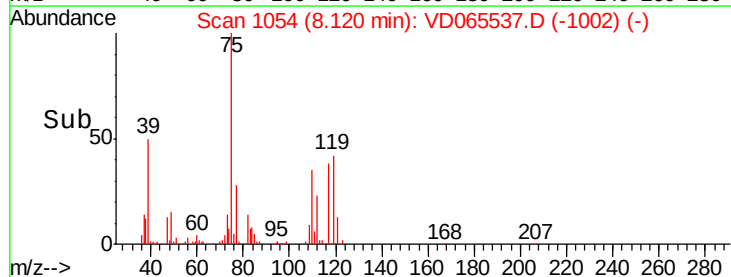
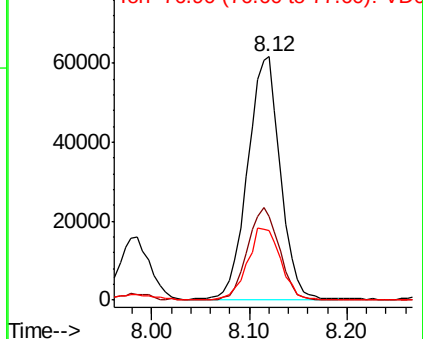
75 100

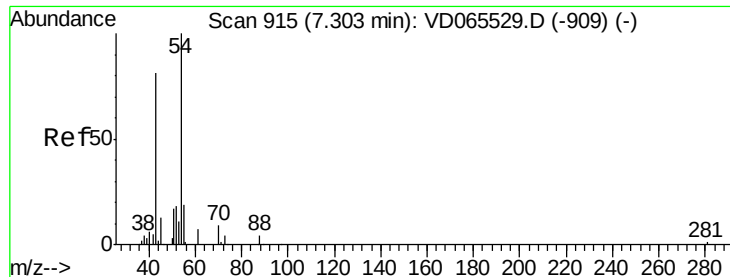
110 37.1 18.8 56.4

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

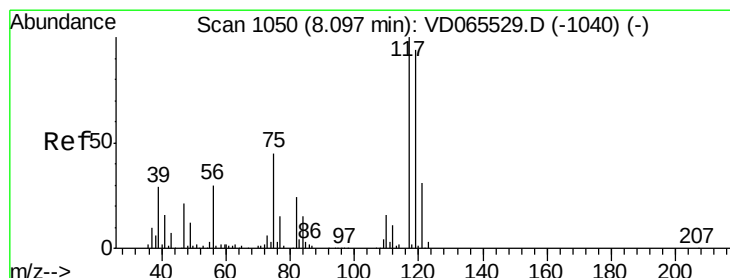
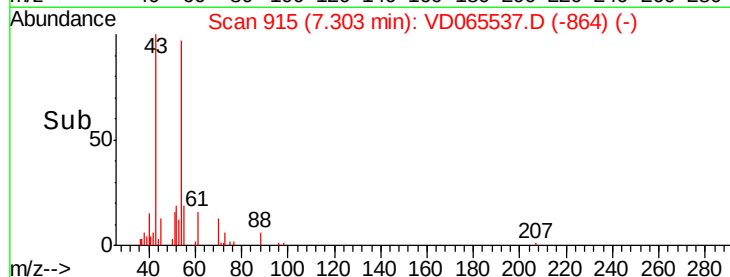
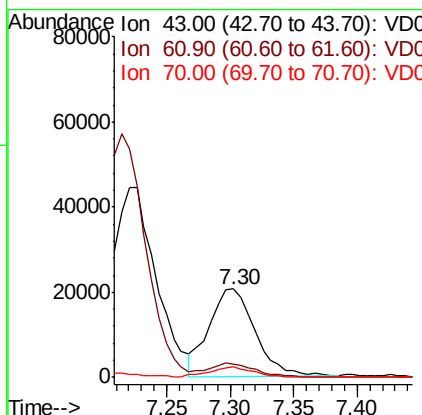
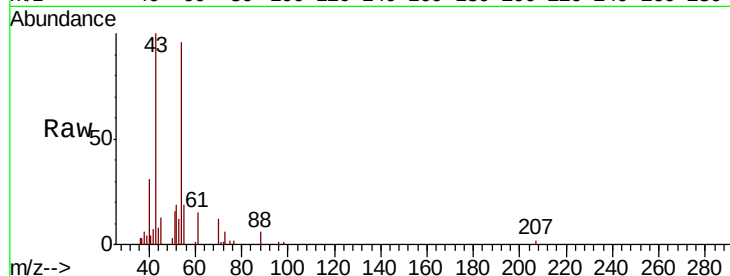




#37
Ethyl Acetate
Concen: 19.573 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

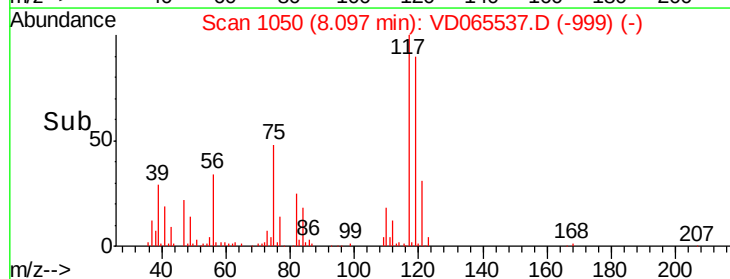
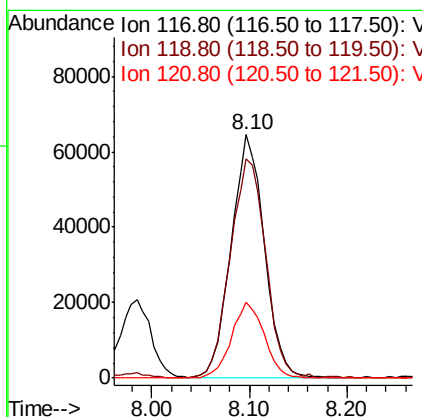
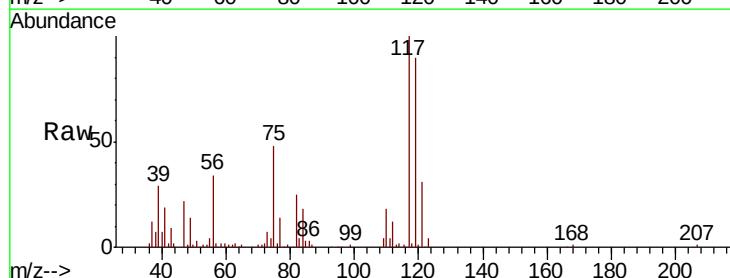
Instrument :
MSVOA_D
ClientSampleId :

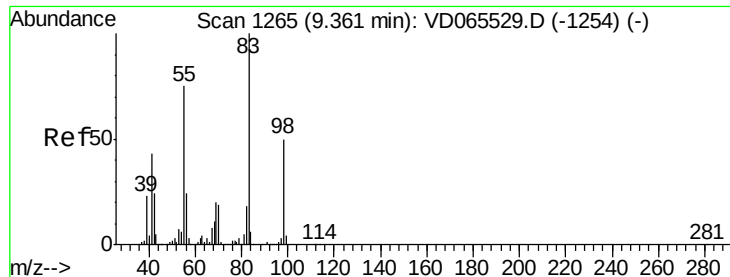
Tot Ion: 43 Resp: 51167
Ion Ratio Lower Upper
43 100
61 16.2 12.2 18.4
70 11.4 8.4 12.6



#38
Carbon Tetrachloride
Concen: 21.265 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion: 117 Resp: 152965
Ion Ratio Lower Upper
117 100
119 90.2 75.2 112.8
121 31.4 24.5 36.7

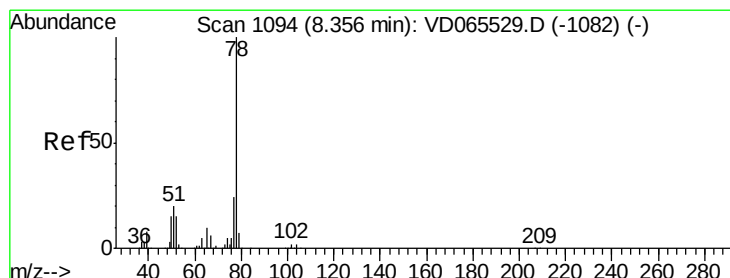
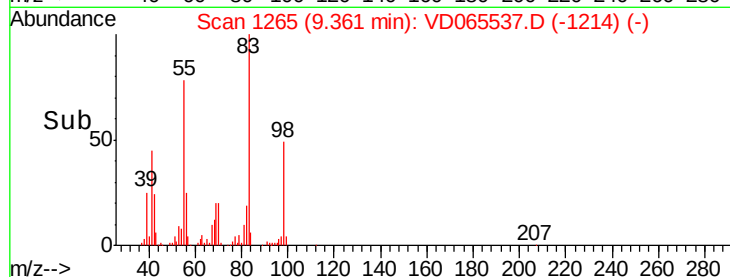
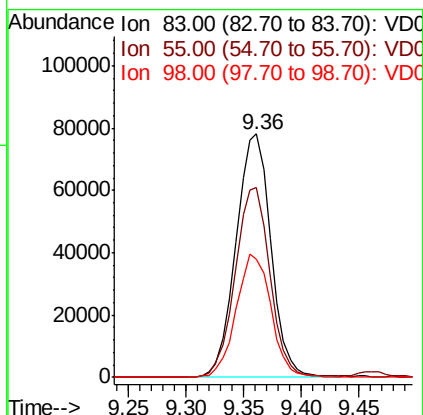
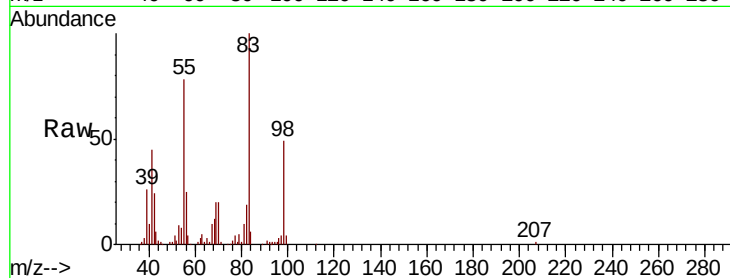




#39
Methylvlcyclohexane
Concen: 20.384 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

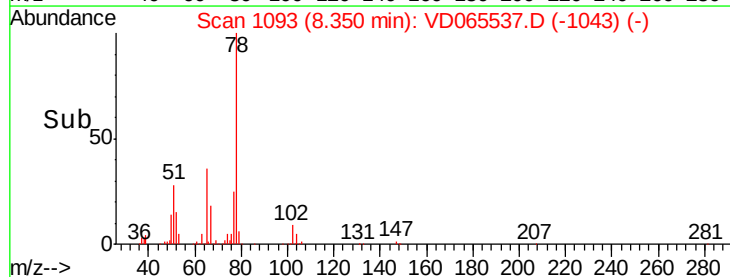
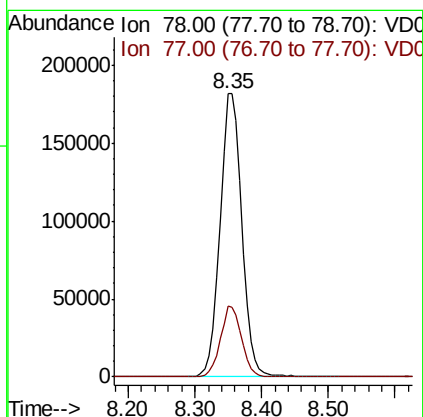
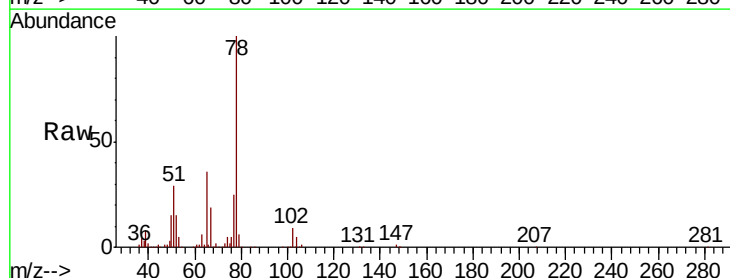
Instrument :
MSVOA_D
ClientSampleId :

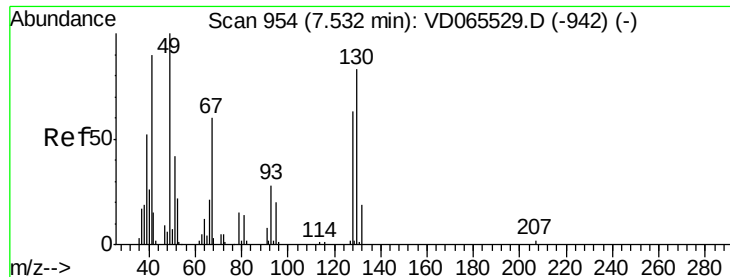
Tot Ion: 83 Resp: 164135
Ion Ratio Lower Upper
83 100
55 78.2 59.7 89.5
98 48.6 40.2 60.2



#40
Benzene
Concen: 21.589 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion: 78 Resp: 420733
Ion Ratio Lower Upper
78 100
77 24.9 19.1 28.7





#41

Methacrylonitrile

Concen: 18.867 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 28472

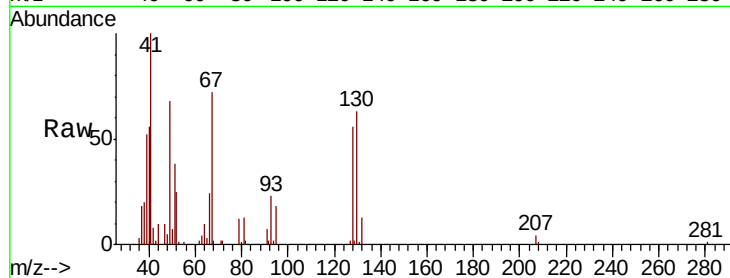
Ion Ratio Lower Upper

41 100

39 59.5 42.9 64.3

67 78.9 60.5 90.7

52 32.9 24.5 36.7

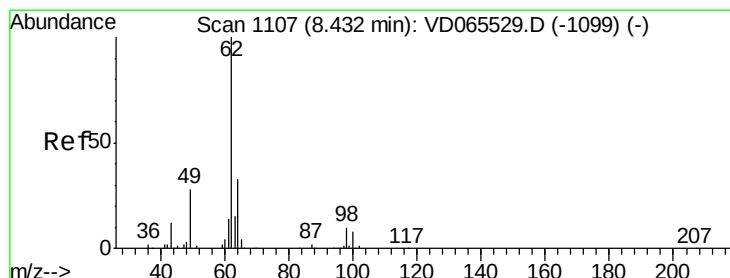
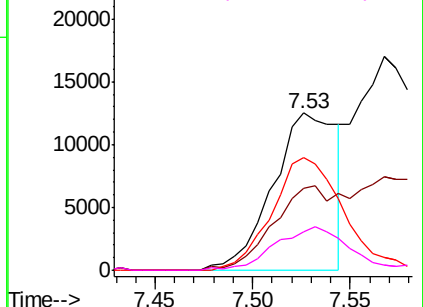
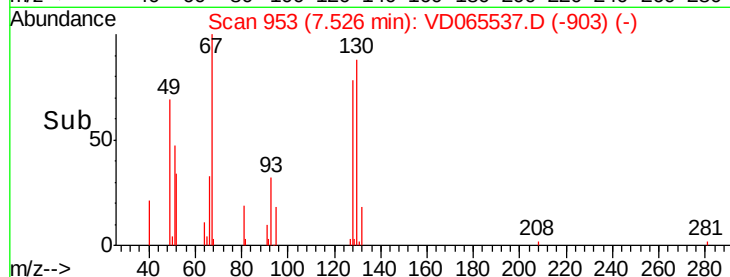


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.053 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD065537.D

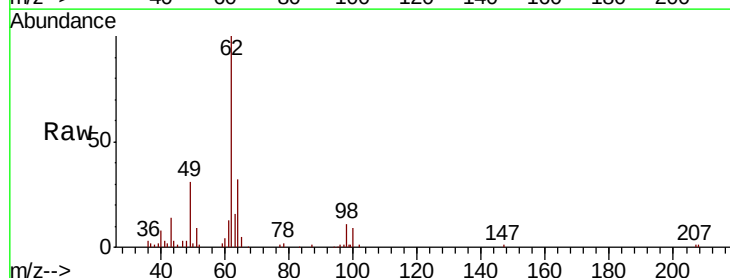
Acq: 27 Mar 2020 11:54

Tgt Ion: 62 Resp: 109178

Ion Ratio Lower Upper

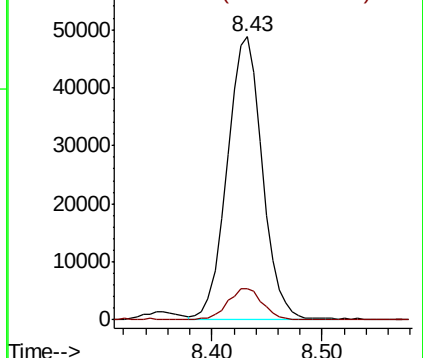
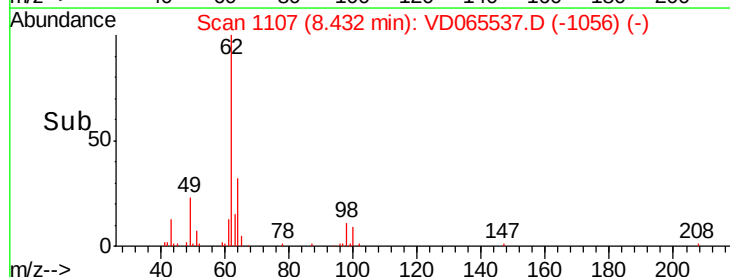
62 100

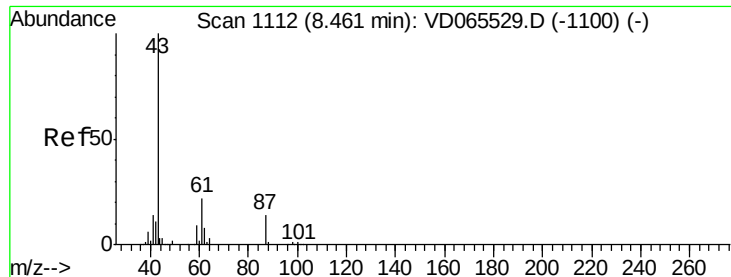
98 11.2 0.0 21.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.267 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

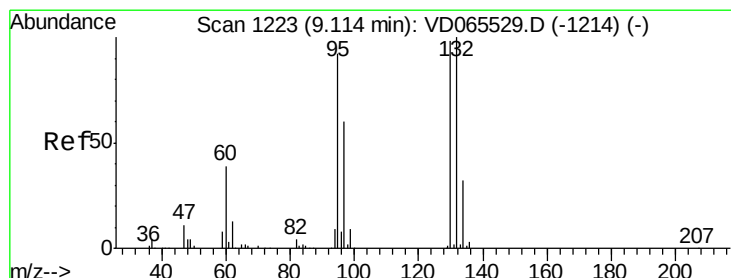
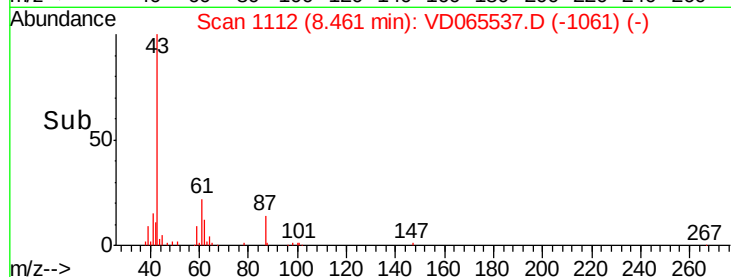
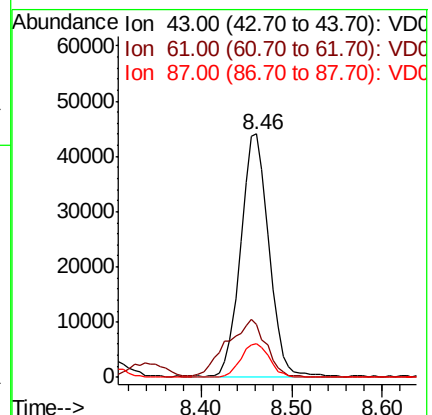
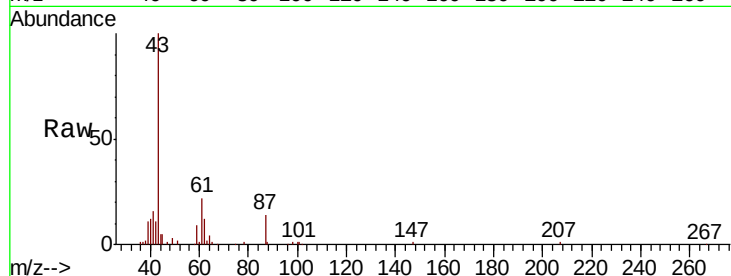
Tot Ion: 43 Resp: 96214

Ion Ratio Lower Upper

43 100

61 32.8 25.0 37.4

87 13.9 11.0 16.4



#44

Trichloroethene

Concen: 20.700 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065537.D

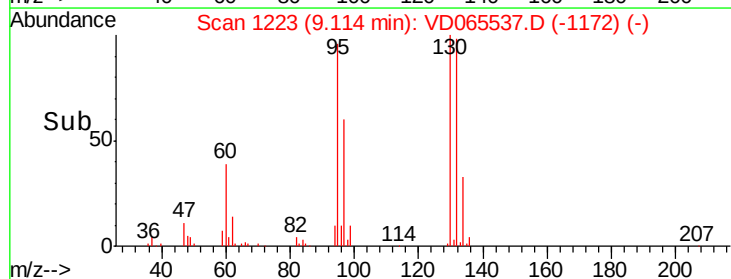
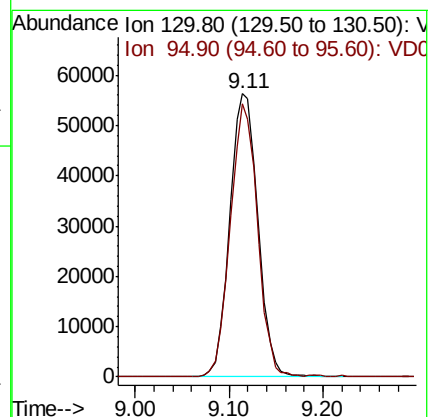
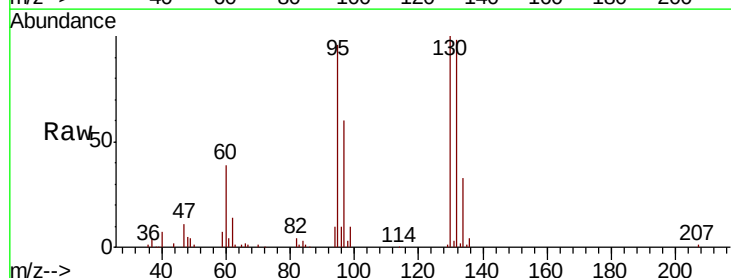
Acq: 27 Mar 2020 11:54

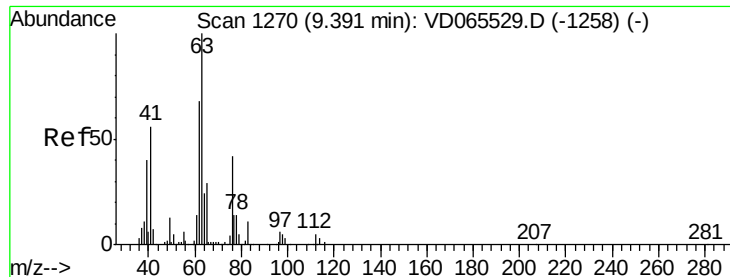
Tgt Ion:130 Resp: 117052

Ion Ratio Lower Upper

130 100

95 96.4 0.0 187.0

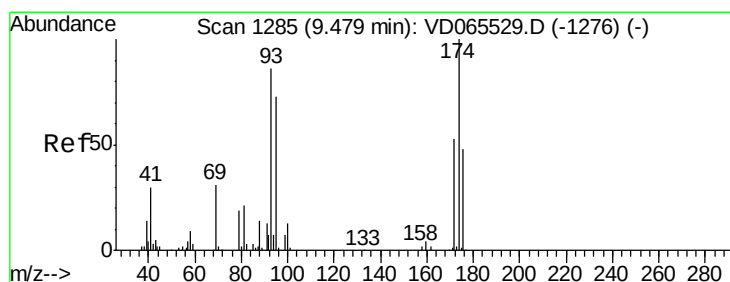
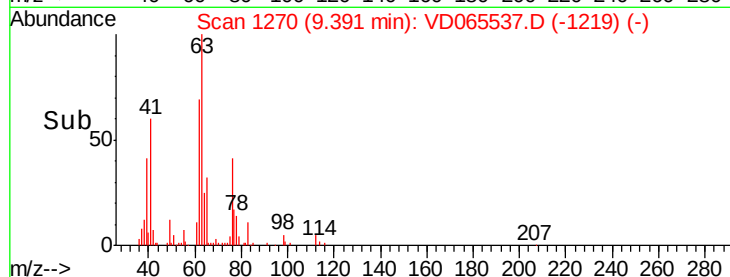
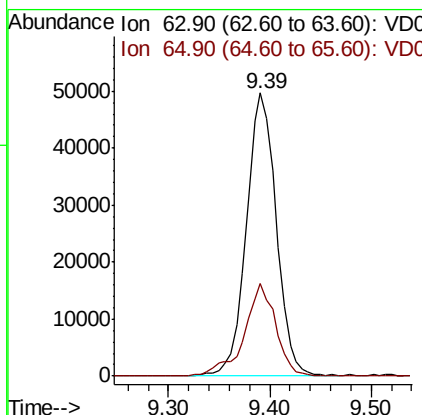
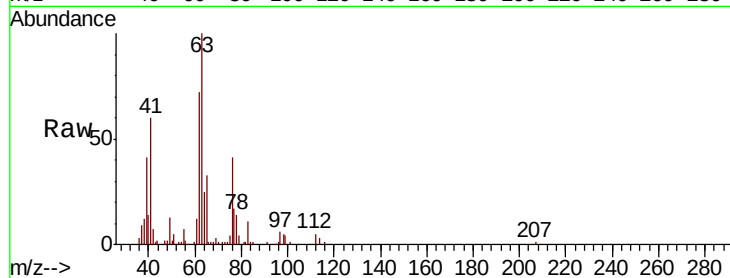




#45
 1,2-Dichloropropane
 Concen: 21.453 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

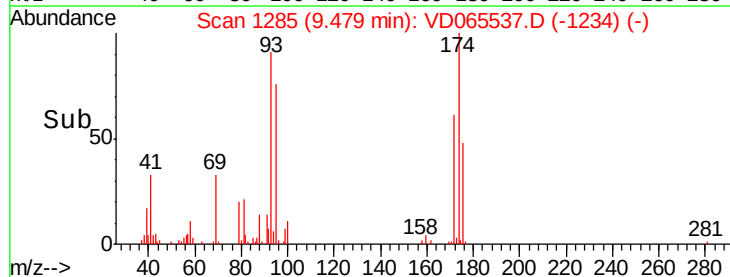
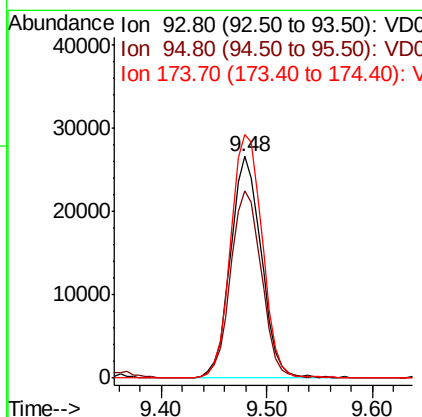
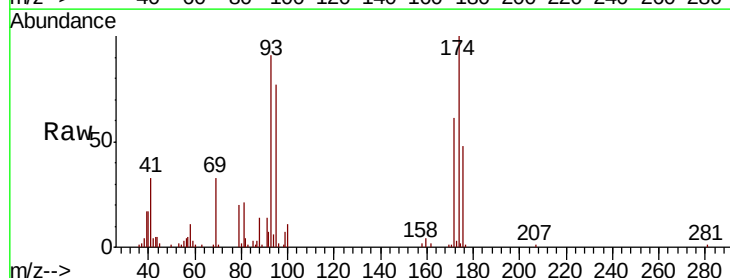
Instrument :
 MSVOA_D
 ClientSampled :

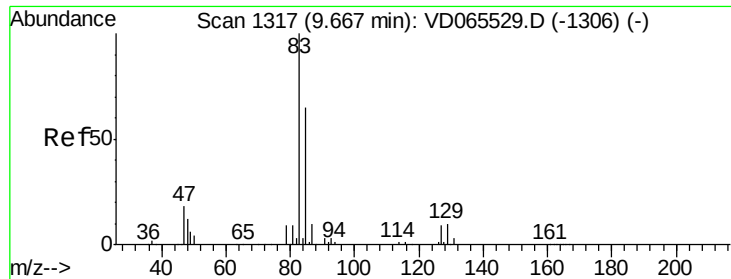
Tot Ion: 63 Resp: 101559
 Ion Ratio Lower Upper
 63 100
 65 32.7 23.5 35.3



#46
 Dibromomethane
 Concen: 21.597 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Tgt Ion: 93 Resp: 53649
 Ion Ratio Lower Upper
 93 100
 95 84.2 67.3 100.9
 174 111.9 92.5 138.7





#47

Bromodichloromethane

Concen: 20.950 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

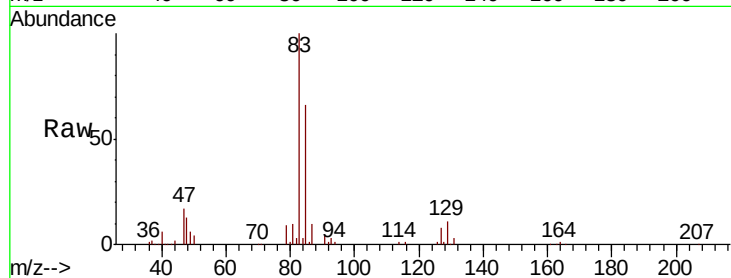
Tot Ion: 83 Resp: 137866

Ion Ratio Lower Upper

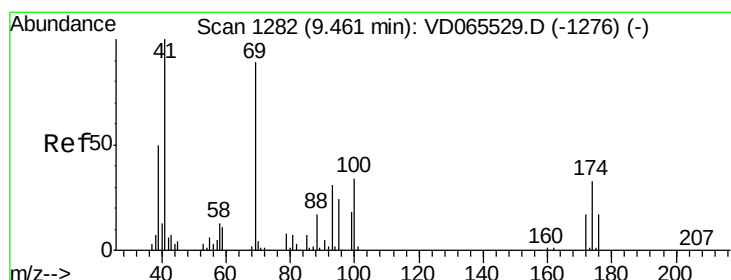
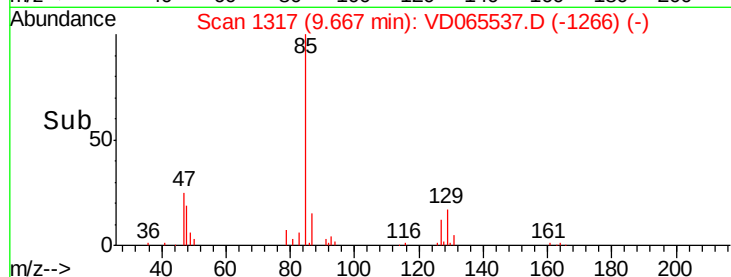
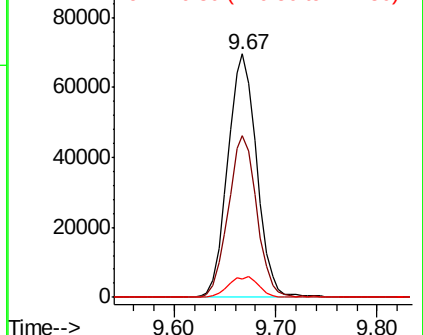
83 100

85 66.5 52.2 78.2

127 7.7 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: 19.456 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

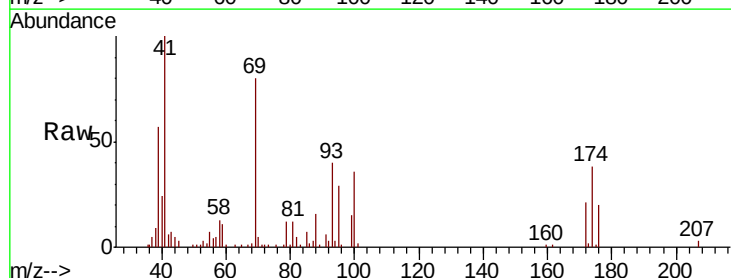
Tgt Ion: 41 Resp: 43917

Ion Ratio Lower Upper

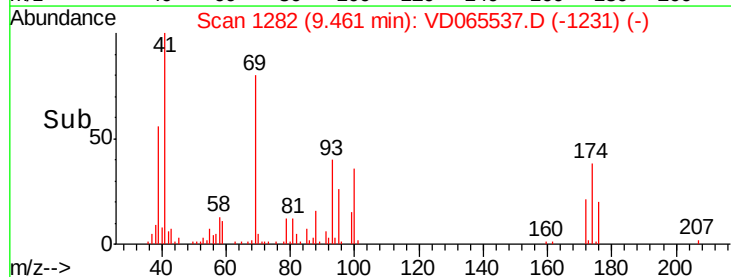
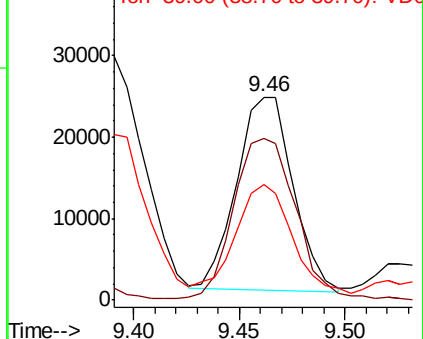
41 100

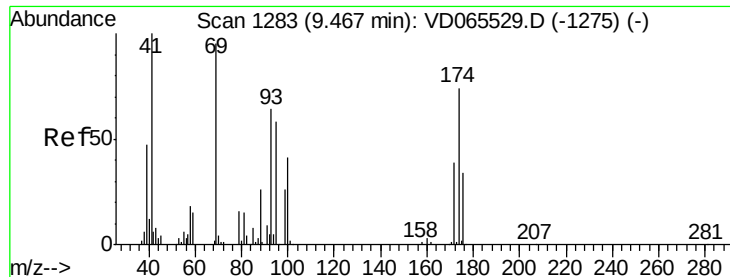
69 93.4 71.8 107.6

39 55.5 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

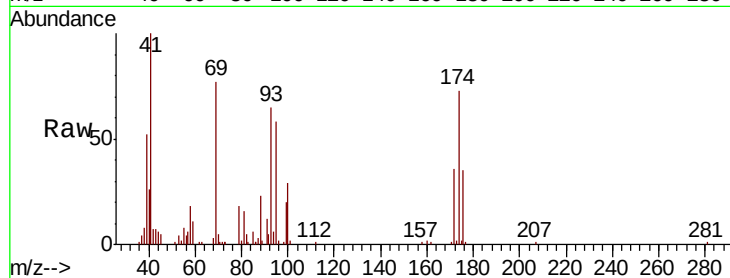




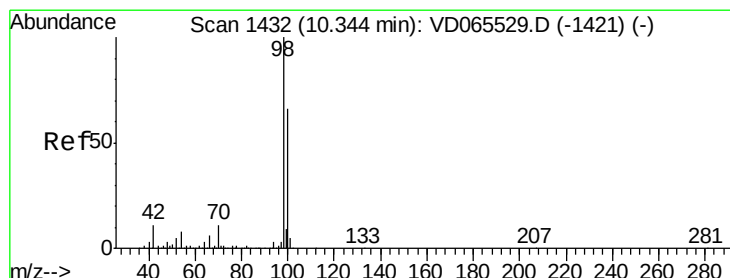
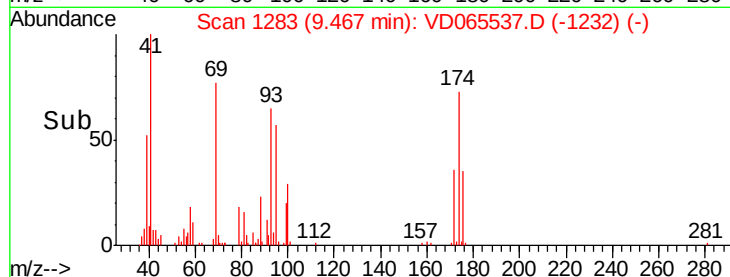
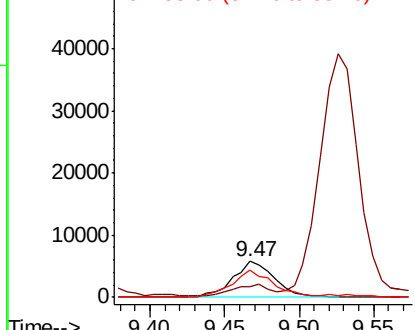
#49
1,4-Dioxane
Concen: 410.078 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 11077
Ion Ratio Lower Upper
88 100
43 26.6 26.0 39.0
58 75.4 54.6 82.0

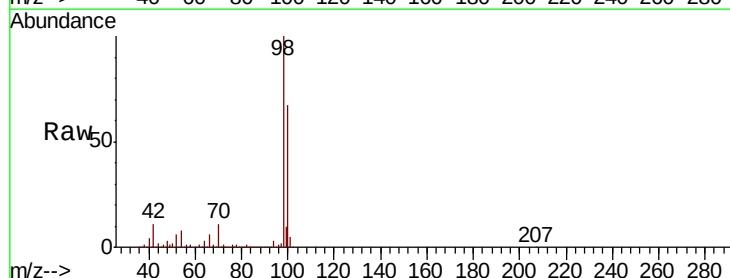


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

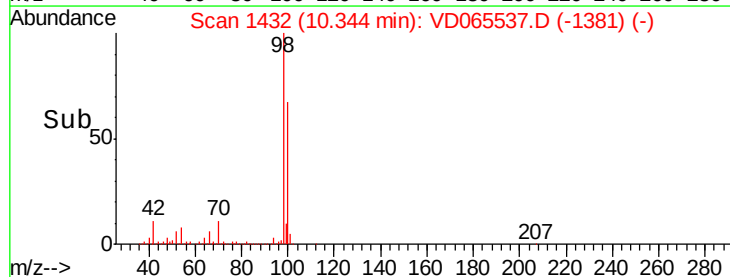
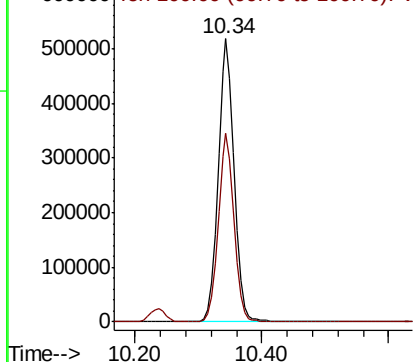


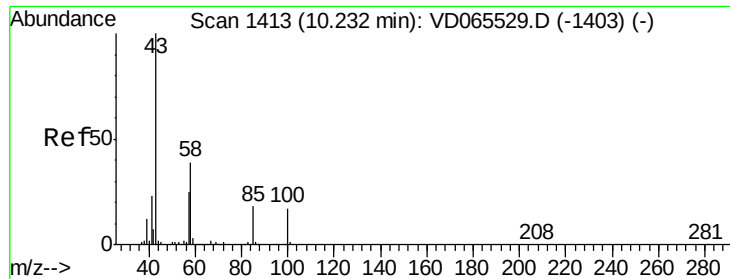
#50
Toluene-d8
Concen: 53.257 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion: 98 Resp: 922514
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.2



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

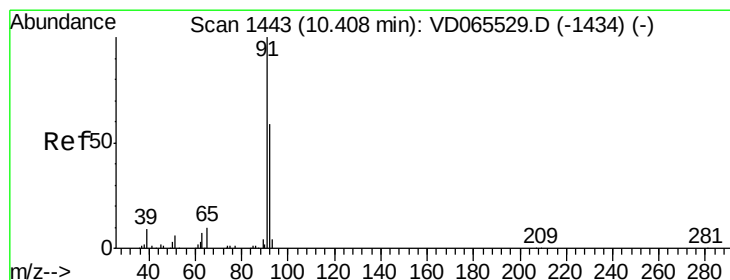
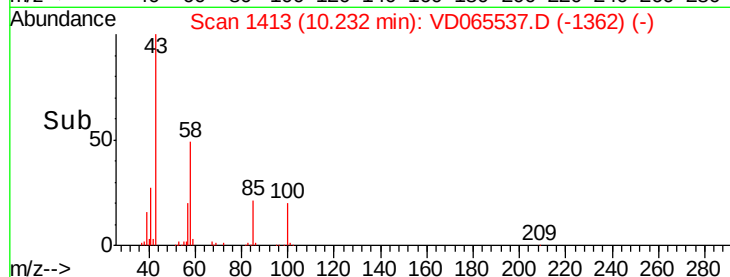
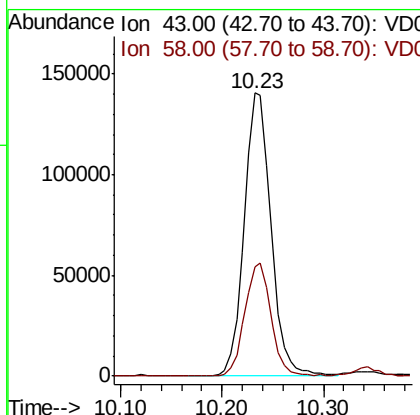
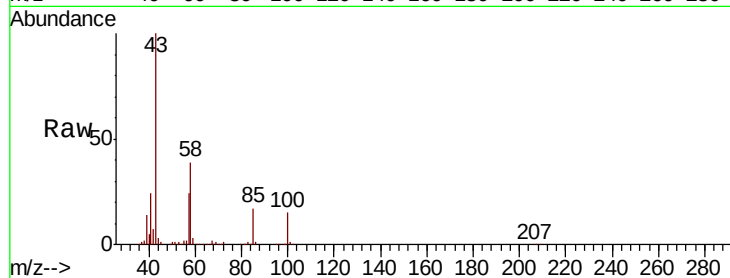




#51
4-Methyl-2-Pentanone
Concen: 107.770 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

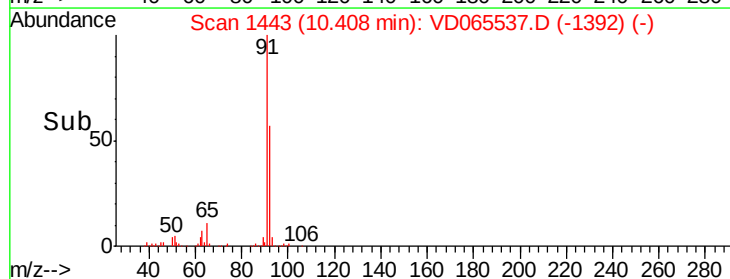
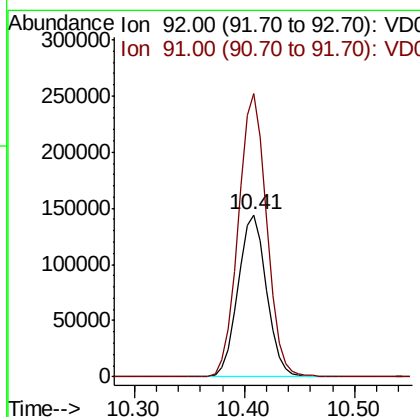
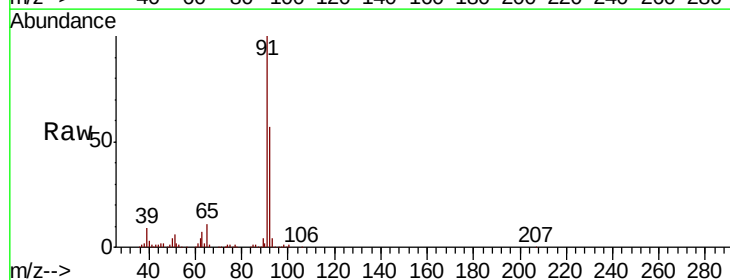
Instrument :
MSVOA_D
ClientSampleId :

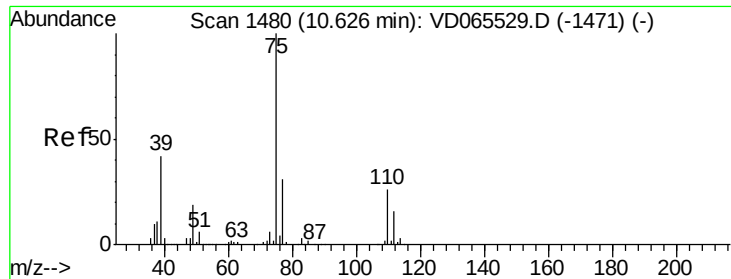
Tot Ion: 43 Resp: 258188
Ion Ratio Lower Upper
43 100
58 38.9 31.4 47.2



#52
Toluene
Concen: 21.268 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion: 92 Resp: 262487
Ion Ratio Lower Upper
92 100
91 174.1 137.3 205.9





#53

t-1,3-Dichloropropene

Concen: 20.085 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

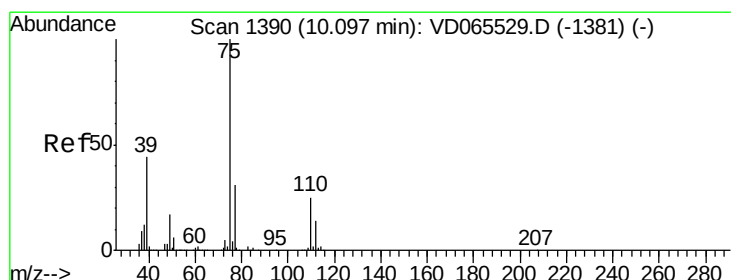
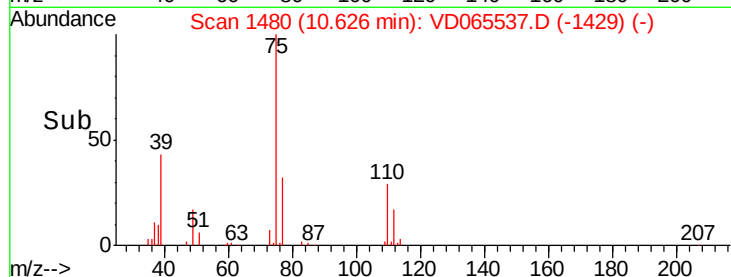
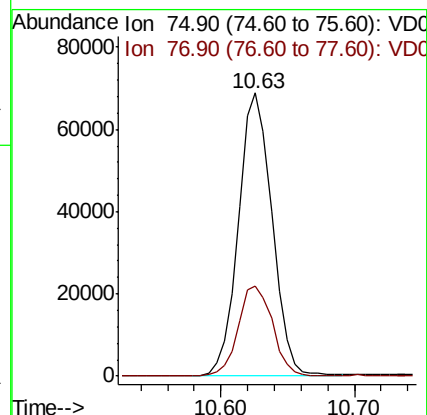
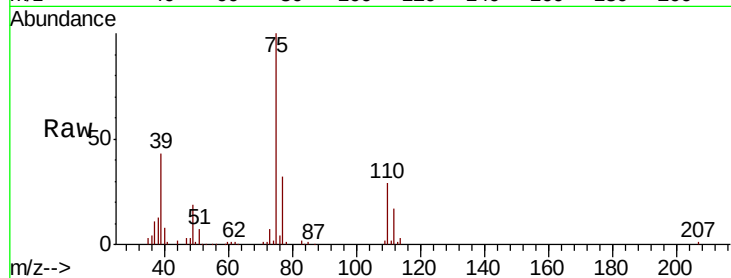
ClientSampleId :

Tot Ion: 75 Resp: 120888

Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 20.685 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

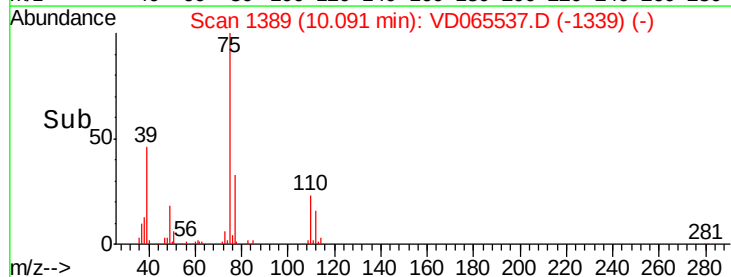
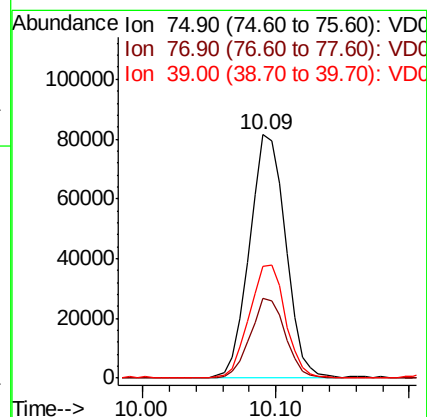
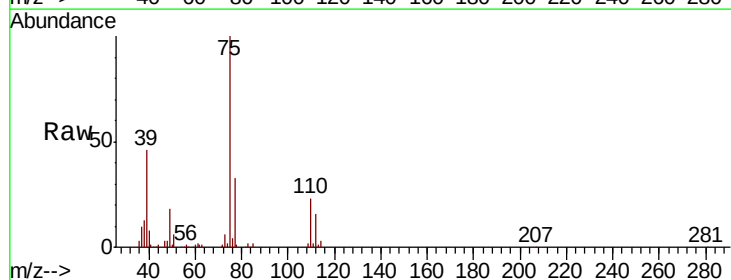
Tgt Ion: 75 Resp: 152324

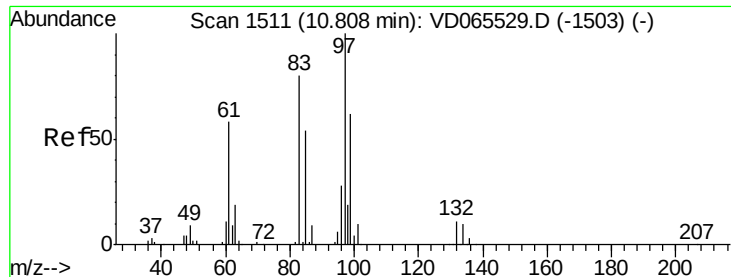
Ion Ratio Lower Upper

75 100

77 32.5 24.6 36.8

39 45.8 35.4 53.2

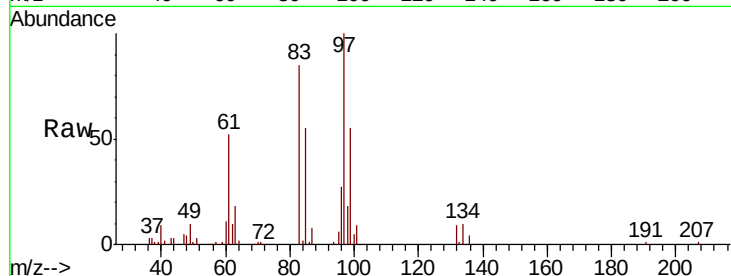




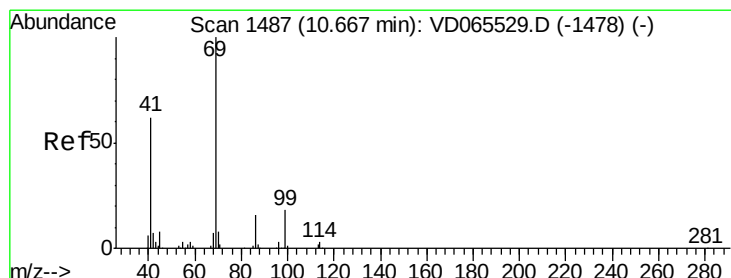
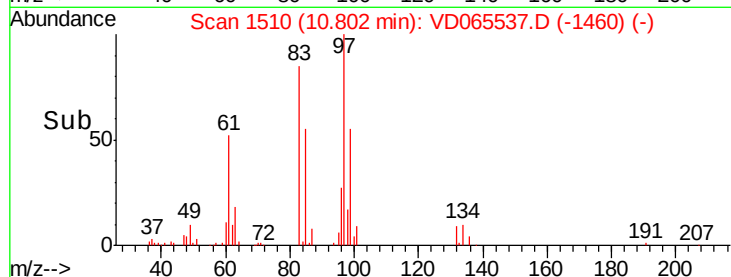
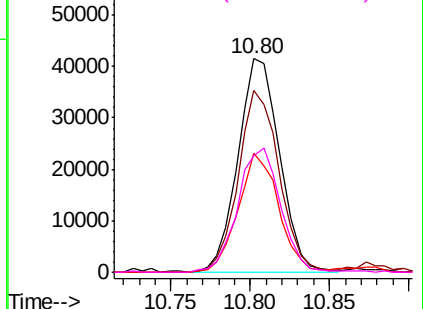
#55
 1,1,2-Trichloroethane
 Concen: 21.407 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	75858
Ion	Ratio	Lower	Upper
97	100		
83	85.2	63.8	95.6
85	55.5	42.9	64.3
99	54.5	49.9	74.9

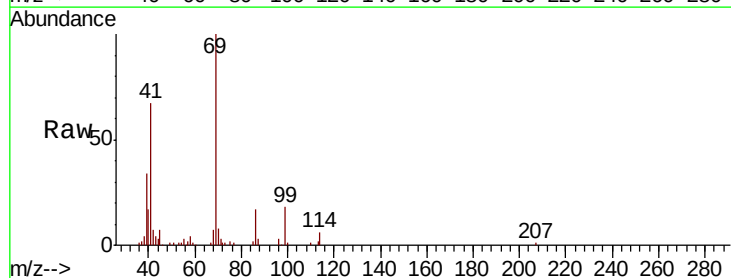


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

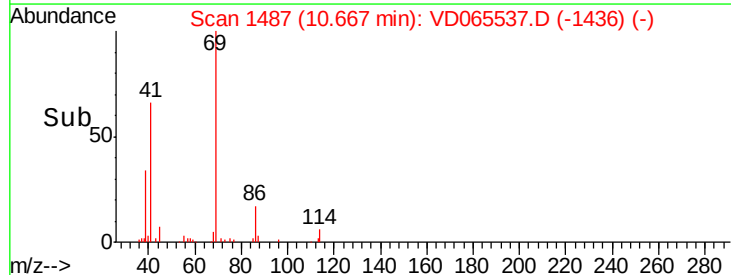
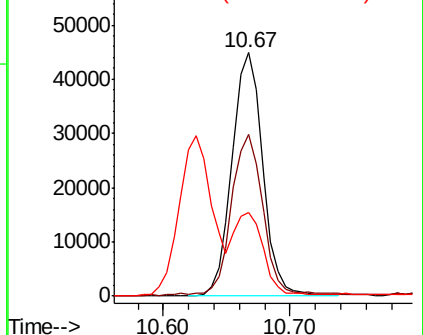


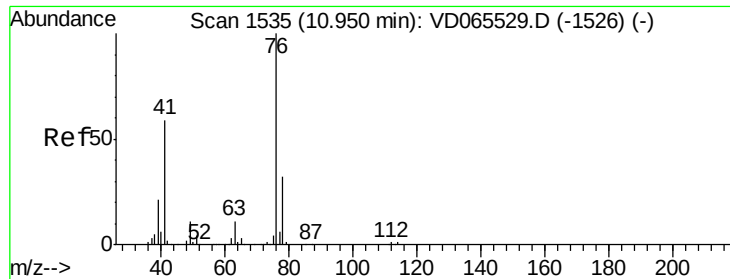
#56
 Ethyl methacrylate
 Concen: 19.583 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Tgt Ion:	69	Resp:	75468
Ion	Ratio	Lower	Upper
69	100		
41	70.1	51.3	76.9
39	32.6	25.3	37.9



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

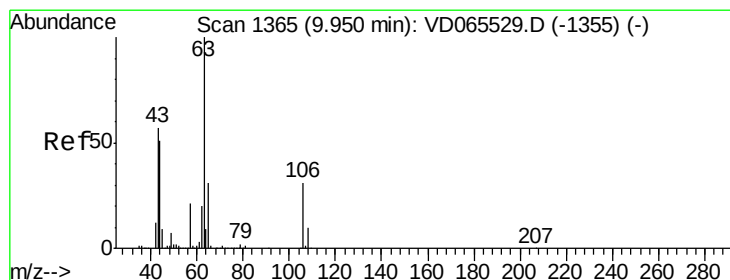
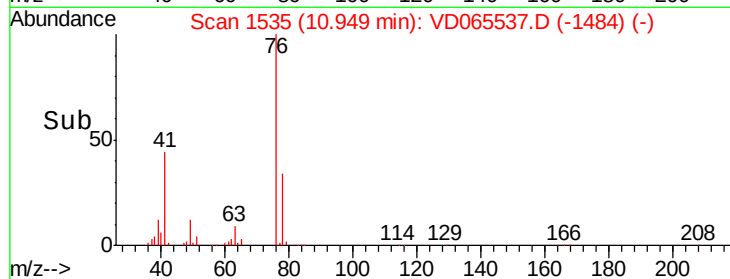
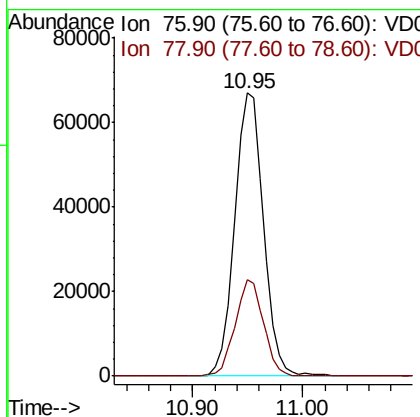
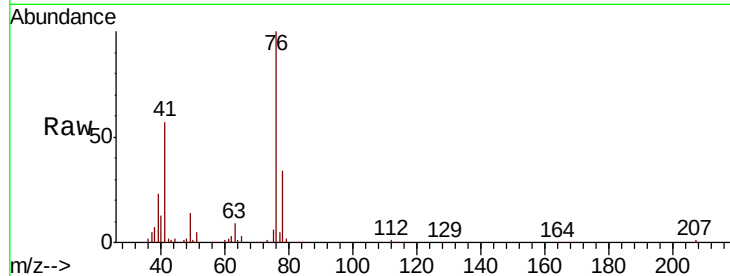




#57
 1,3-Dichloropropane
 Concen: 20.652 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

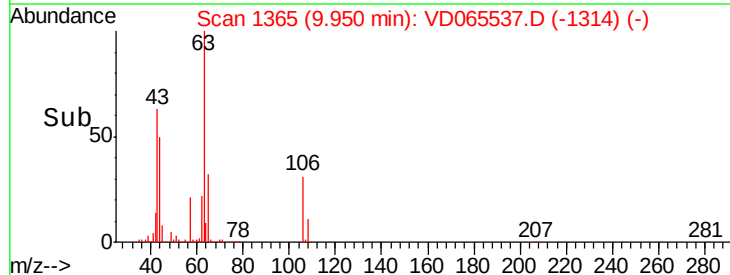
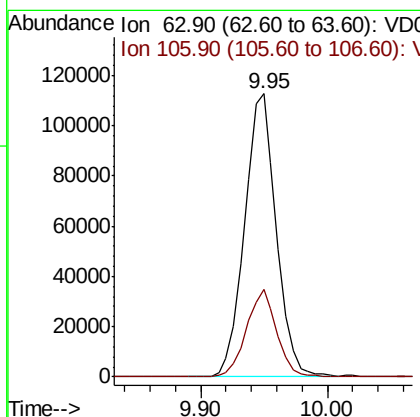
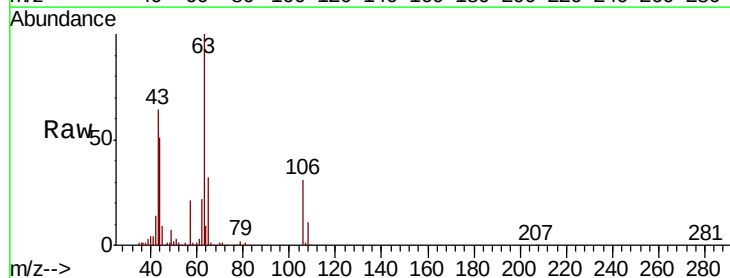
Instrument :
 MSVOA_D
 ClientSampleId :

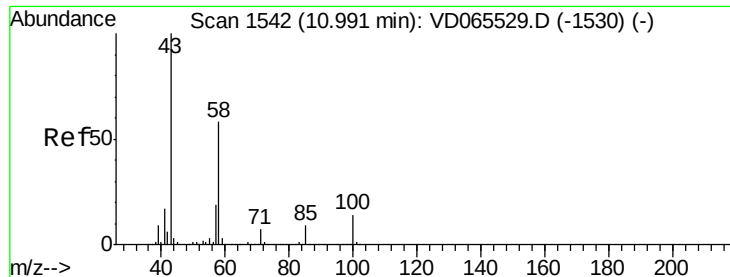
Tot Ion: 76 Resp: 123151
 Ion Ratio Lower Upper
 76 100
 78 33.5 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.234 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Tgt Ion: 63 Resp: 195529
 Ion Ratio Lower Upper
 63 100
 106 29.5 24.3 36.5

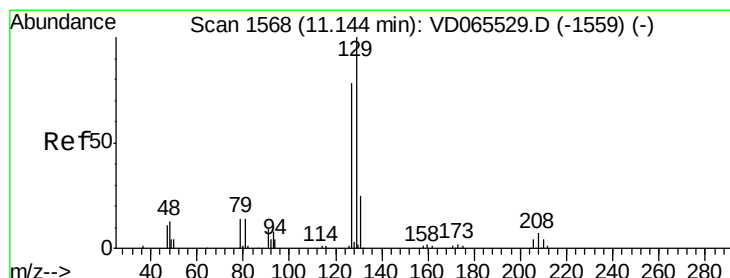
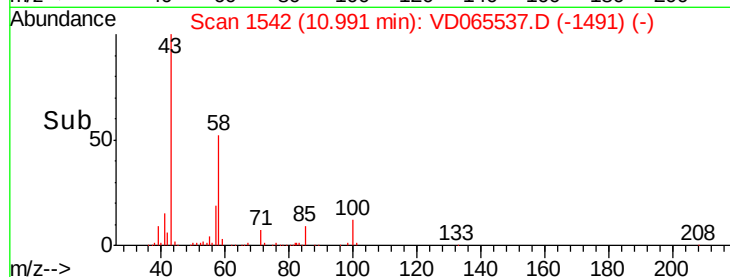
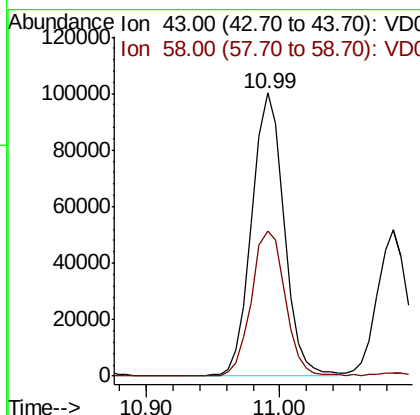
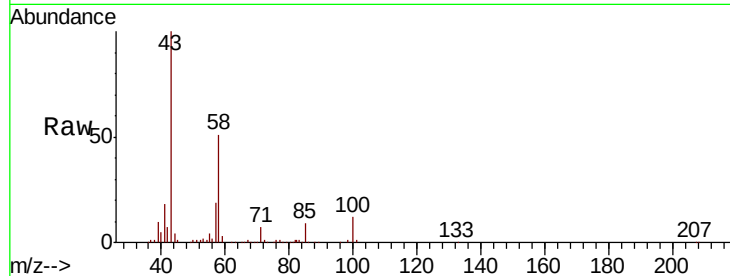




#59
2-Hexanone
Concen: 102.880 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

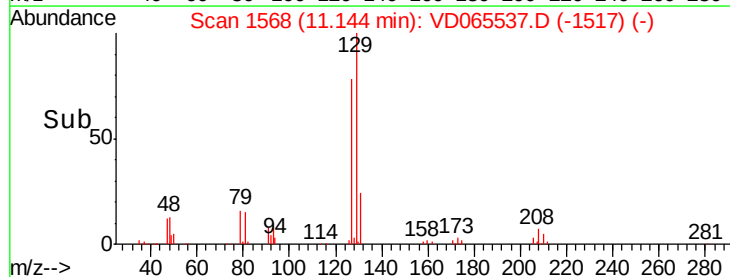
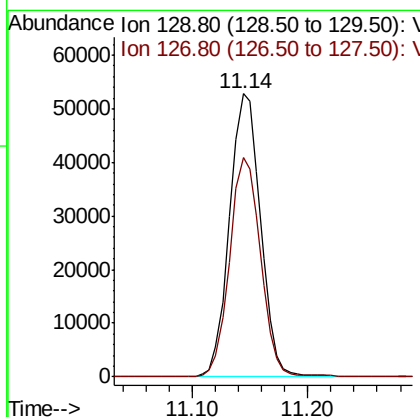
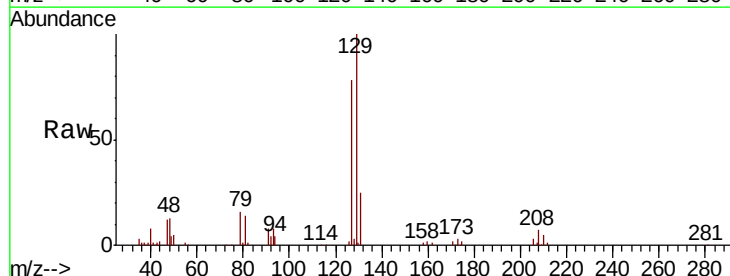
Instrument :
MSVOA_D
ClientSampleId :

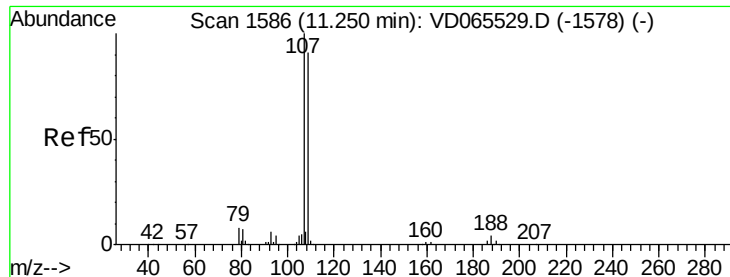
Tot Ion: 43 Resp: 168050
Ion Ratio Lower Upper
43 100
58 53.4 27.9 83.7



#60
Dibromochloromethane
Concen: 20.933 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion:129 Resp: 98301
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.6

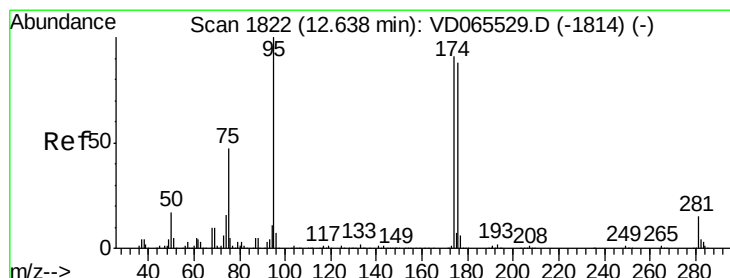
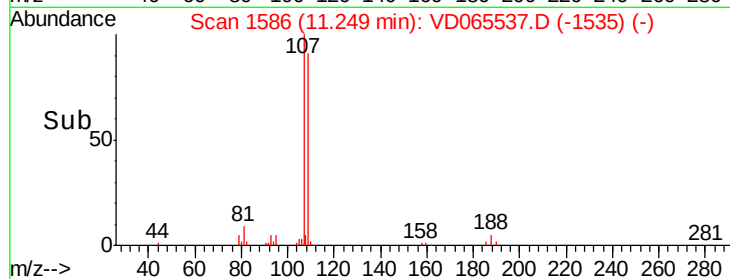
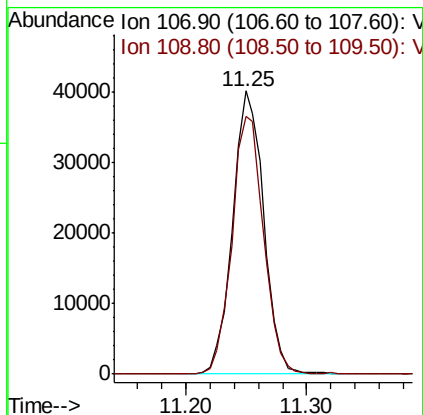
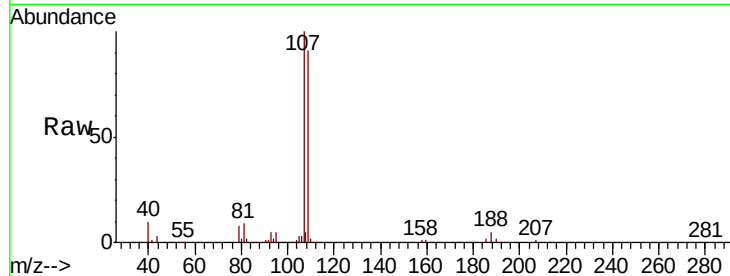




#61
 1,2-Dibromoethane
 Concen: 20.972 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

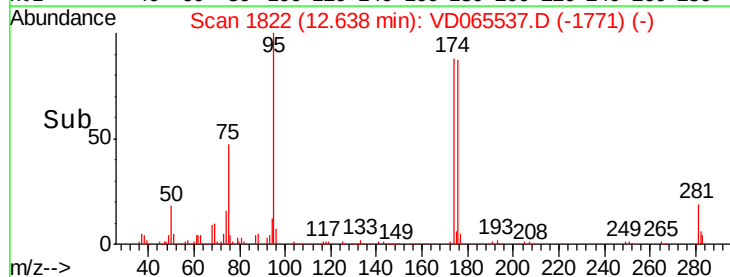
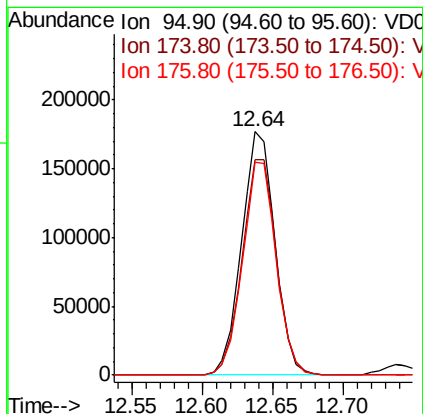
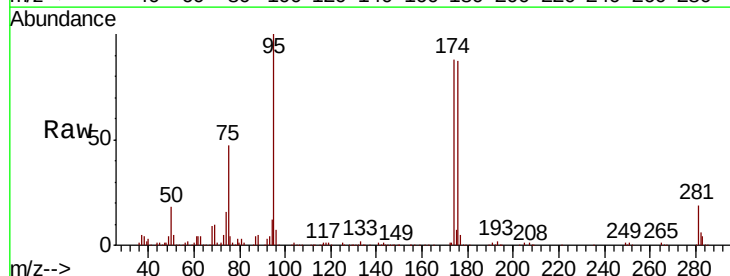
Instrument :
 MSVOA_D
 ClientSampleId :

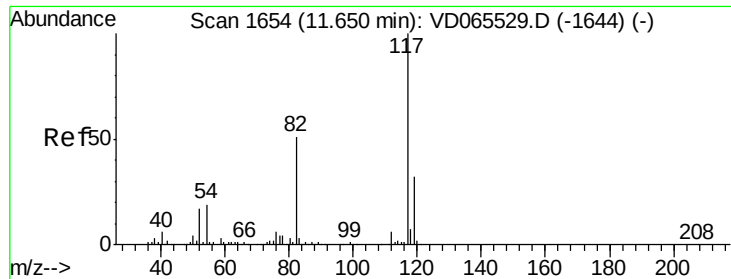
Tot Ion: 107 Resp: 71927
 Ion Ratio Lower Upper
 107 100
 109 92.6 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 53.180 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Tgt Ion: 95 Resp: 292373
 Ion Ratio Lower Upper
 95 100
 174 91.2 0.0 183.8
 176 88.3 0.0 178.2

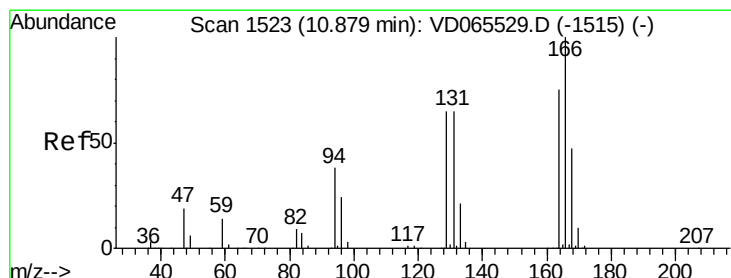
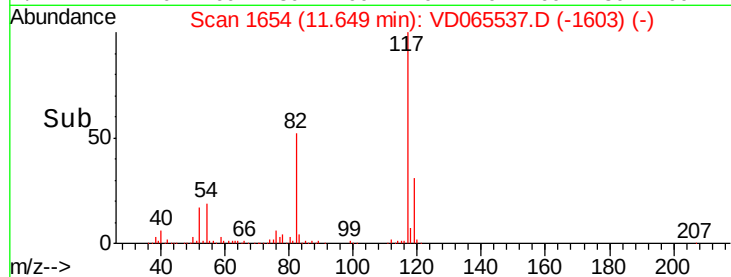
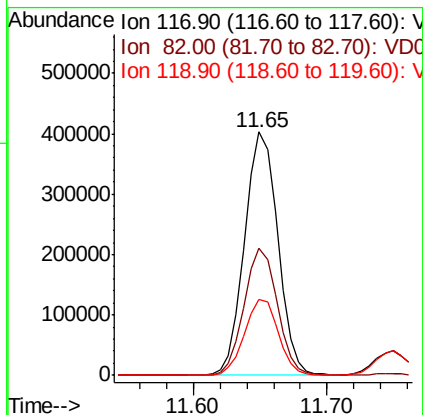
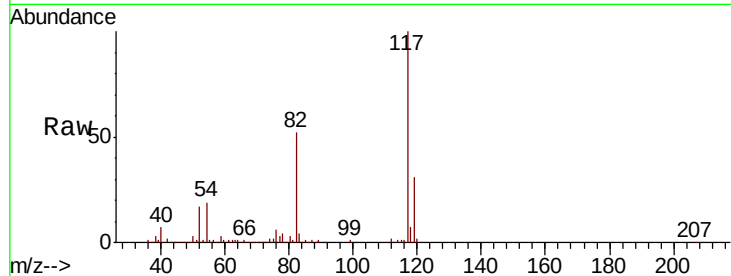




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

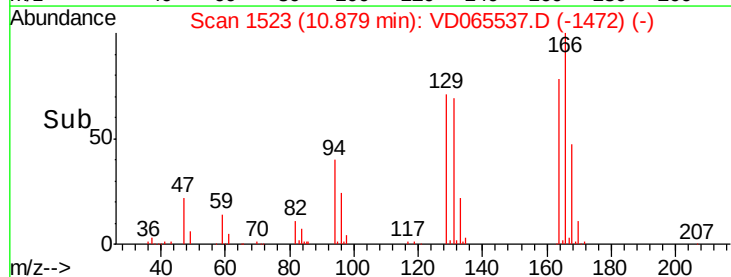
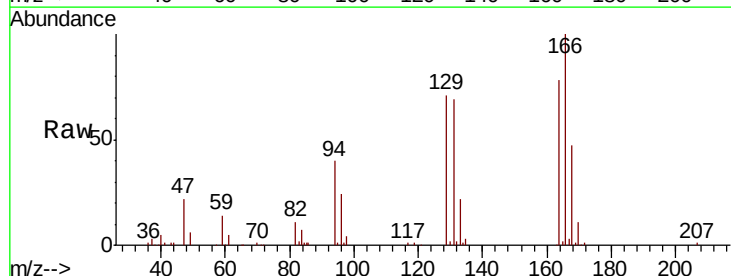
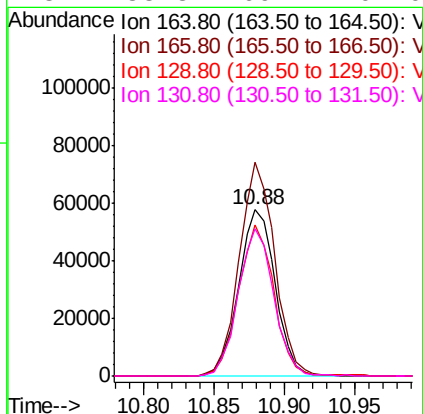
Instrument :
MSVOA_D
ClientSampleId :

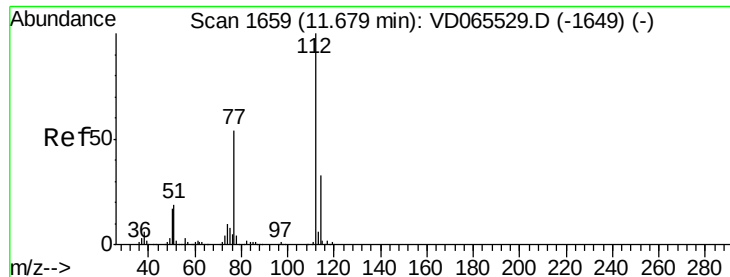
Tot Ion:117 Resp: 696030
Ion Ratio Lower Upper
117 100
82 52.2 41.0 61.6
119 31.3 25.5 38.3



#64
Tetrachloroethene
Concen: 20.898 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion:164 Resp: 104196
Ion Ratio Lower Upper
164 100
166 128.5 107.1 160.7
129 91.0 69.2 103.8
131 88.3 69.4 104.0

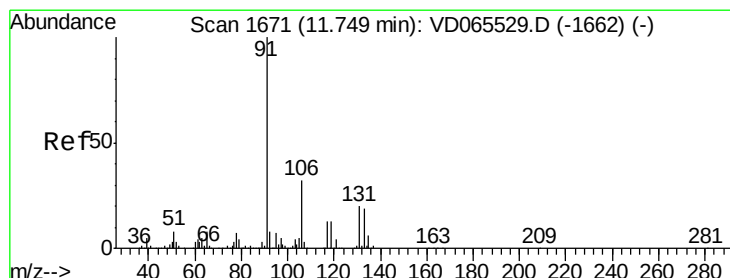
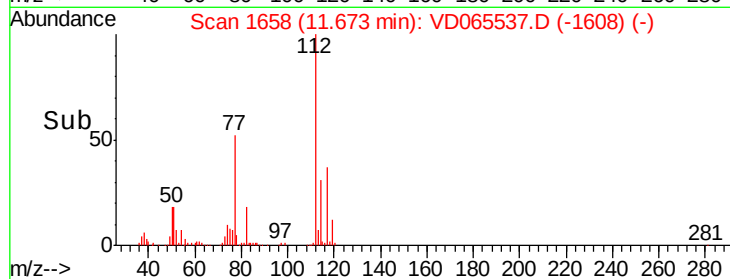
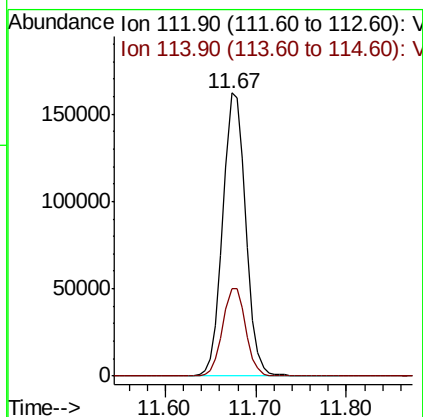
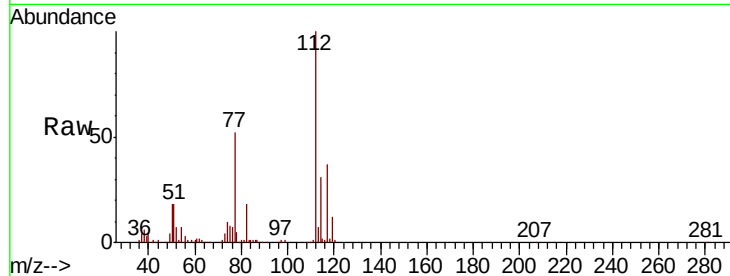




#65
Chlorobenzene
Concen: 20.920 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

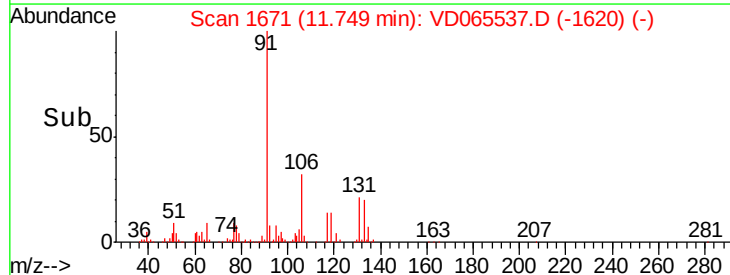
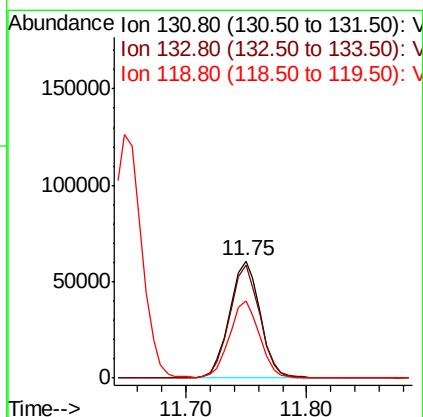
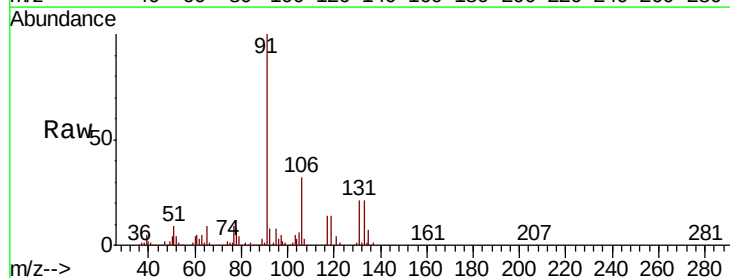
Instrument :
MSVOA_D
ClientSampled :

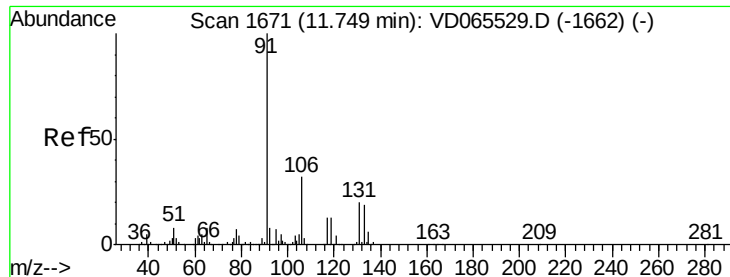
Tot Ion:112 Resp: 284668
Ion Ratio Lower Upper
112 100
114 30.8 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.107 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion:131 Resp: 107104
Ion Ratio Lower Upper
131 100
133 95.6 48.9 146.7
119 64.8 32.5 97.4





#67

Ethyl Benzene

Concen: 20.693 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

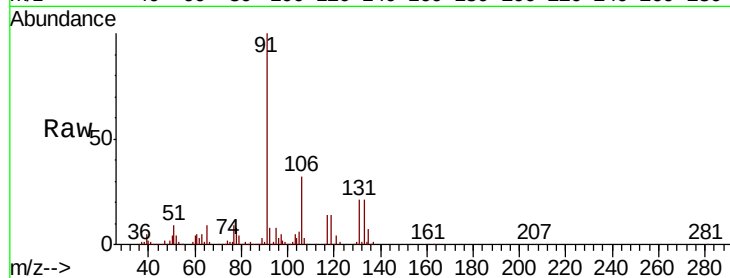
ClientSampled :

Tot Ion: 91 Resp: 474256

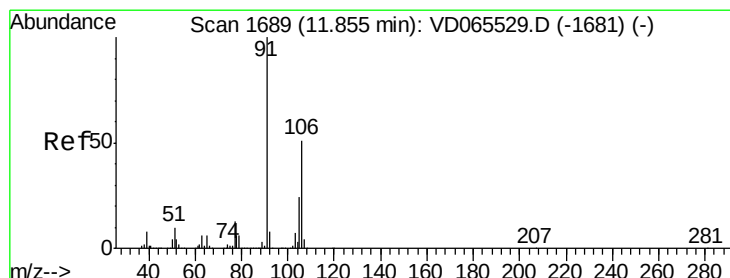
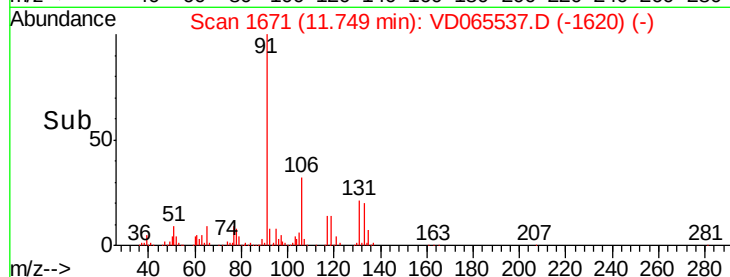
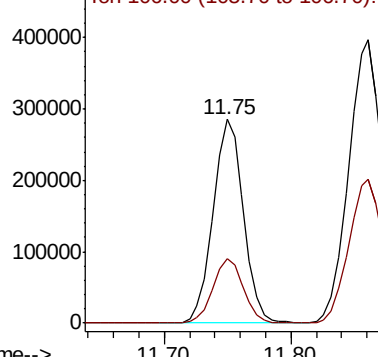
Ion Ratio Lower Upper

91 100

106 31.6 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 42.332 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD065537.D

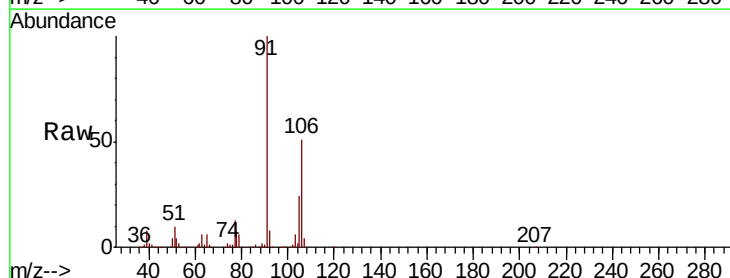
Acq: 27 Mar 2020 11:54

Tgt Ion: 106 Resp: 380943

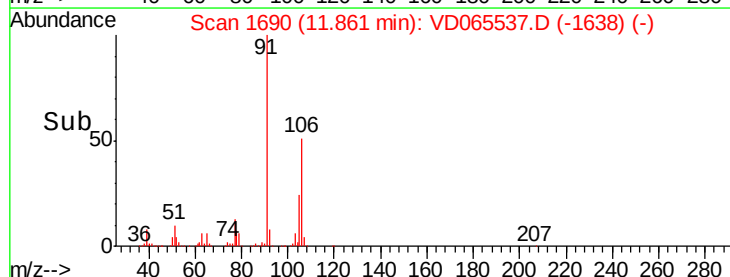
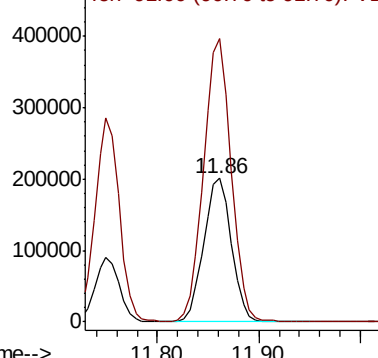
Ion Ratio Lower Upper

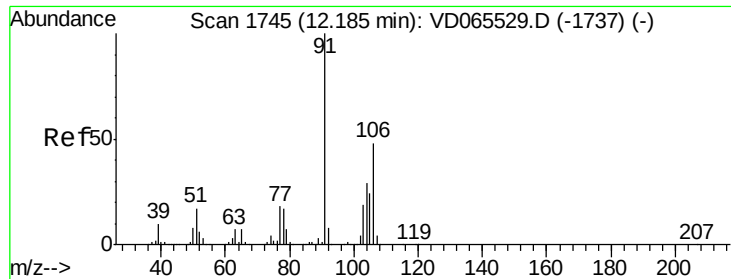
106 100

91 196.1 155.4 233.0



Abundance Ion 106.00 (105.70 to 106.70): V

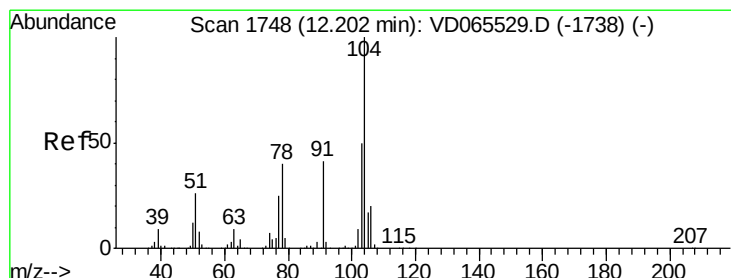
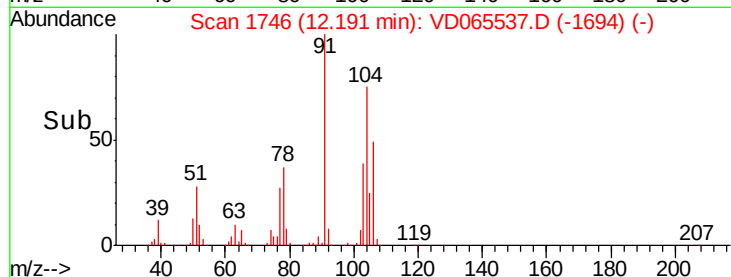
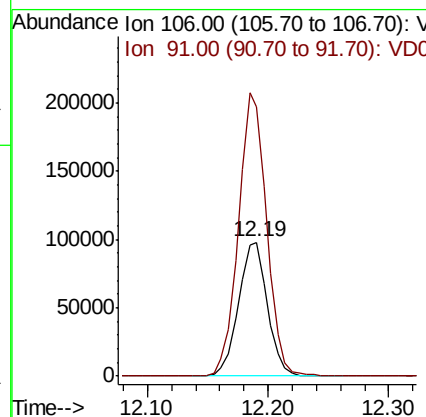
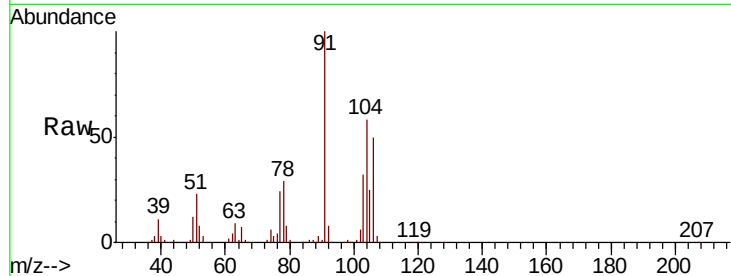




#69
o-Xylene
Concen: 20.637 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

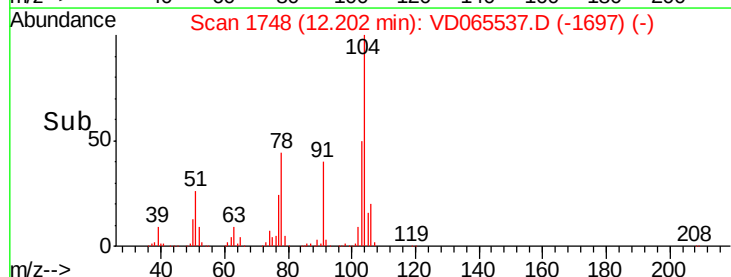
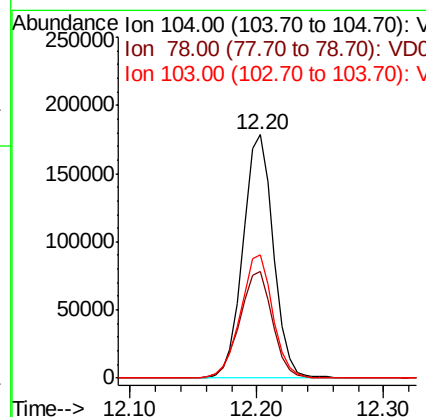
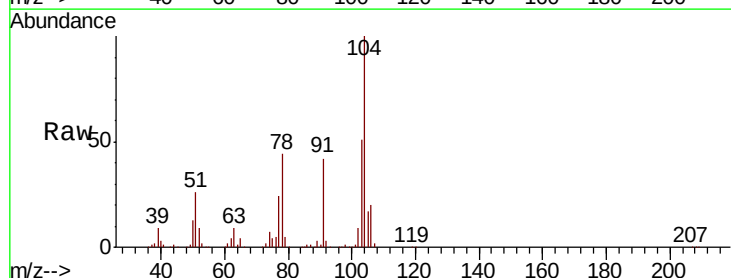
Instrument :
MSVOA_D
ClientSampled :

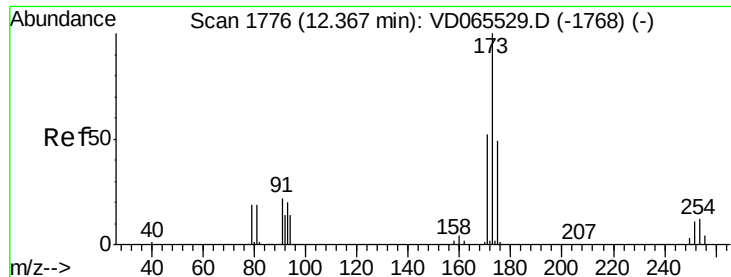
Tot Ion:106 Resp: 162640
Ion Ratio Lower Upper
106 100
91 206.9 102.8 308.4



#70
Styrene
Concen: 21.327 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion:104 Resp: 296873
Ion Ratio Lower Upper
104 100
78 47.5 36.6 55.0
103 53.7 43.8 65.6





#71

Bromoform

Concen: 20.734 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

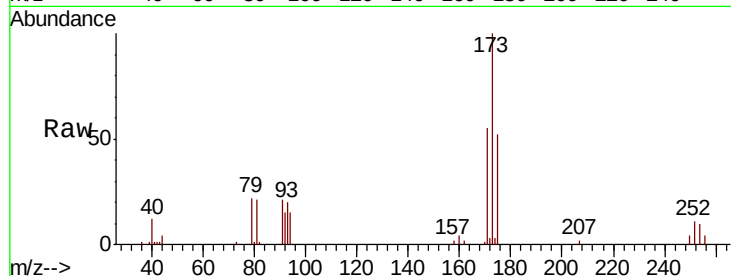
Tot Ion:173 Resp: 58034

Ion Ratio Lower Upper

173 100

175 49.1 24.3 72.8

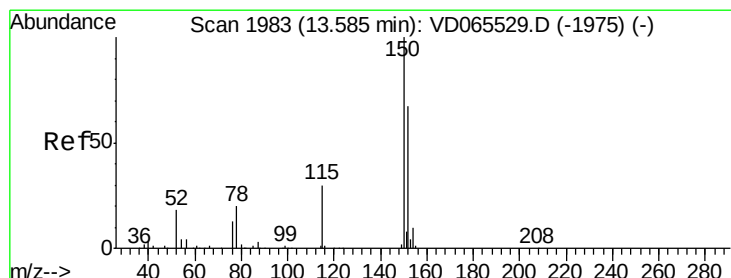
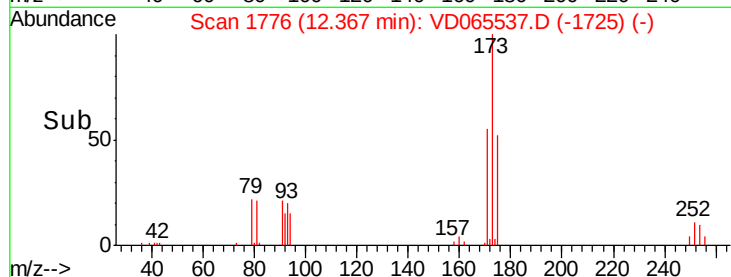
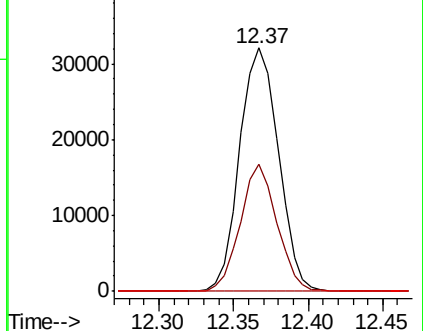
254 0.0 0.0 0.0



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: VD065537.D

Acq: 27 Mar 2020 11:54

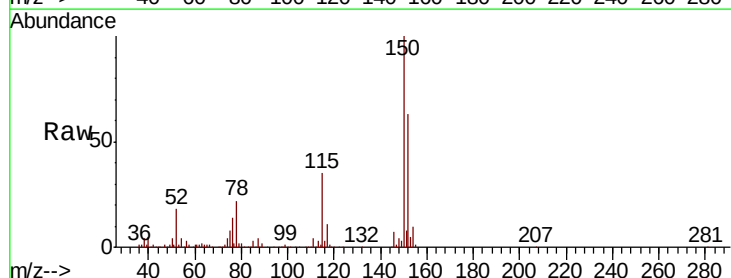
Tgt Ion:152 Resp: 353755

Ion Ratio Lower Upper

152 100

115 54.7 27.2 81.6

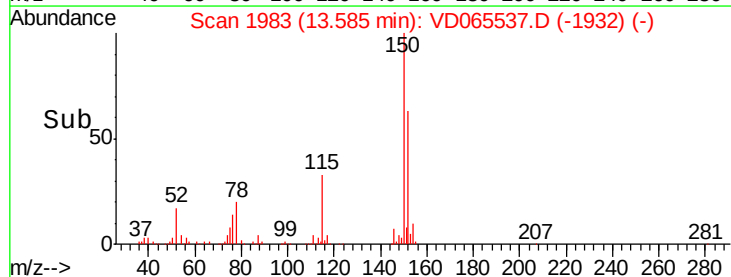
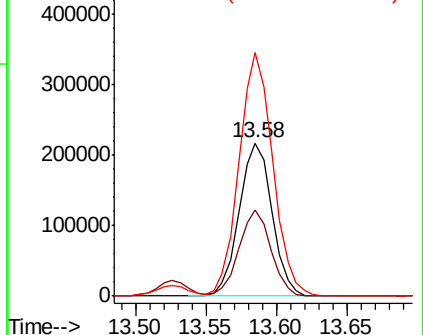
150 163.5 0.0 340.2

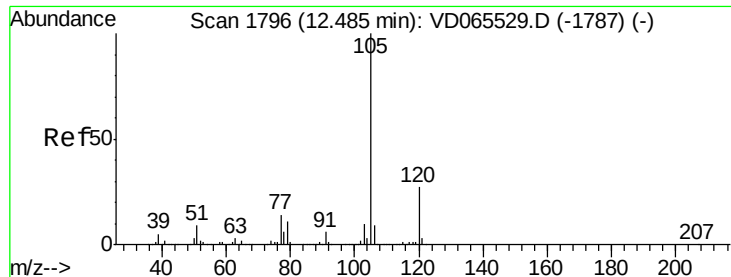


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.784 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

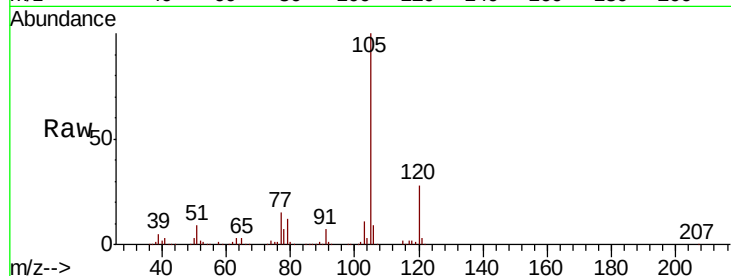
ClientSampleId :

Tot Ion:105 Resp: 451463

Ion Ratio Lower Upper

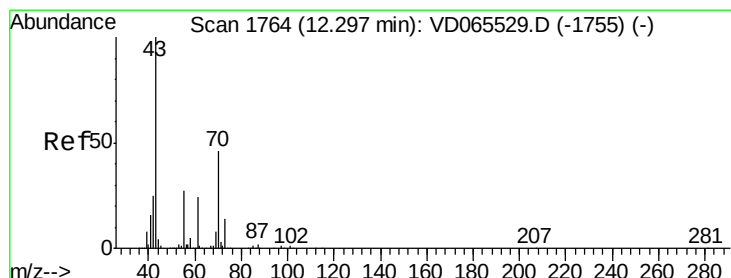
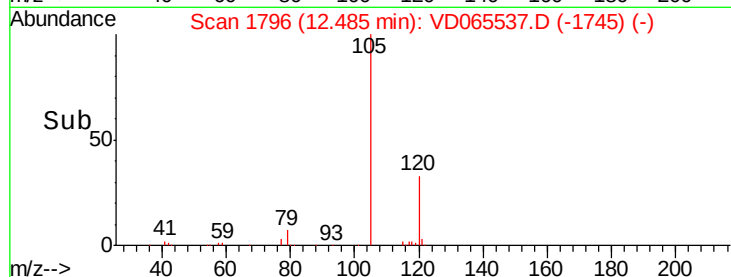
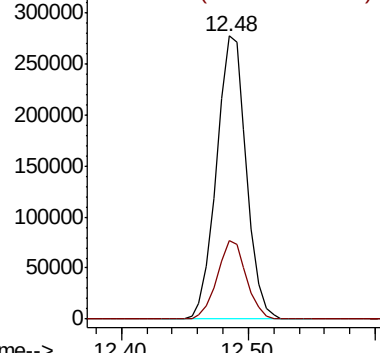
105 100

120 27.0 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.293 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Tgt Ion: 43 Resp: 82704

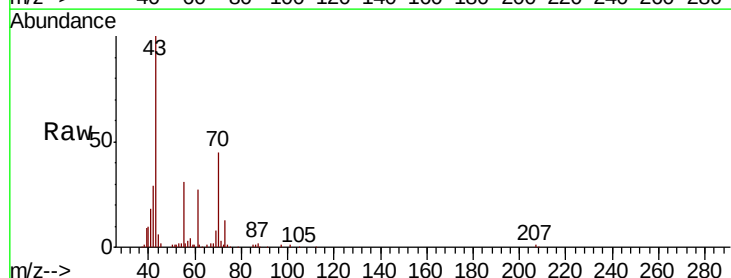
Ion Ratio Lower Upper

43 100

70 45.4 36.2 54.2

55 30.7 22.2 33.4

61 25.4 19.5 29.3

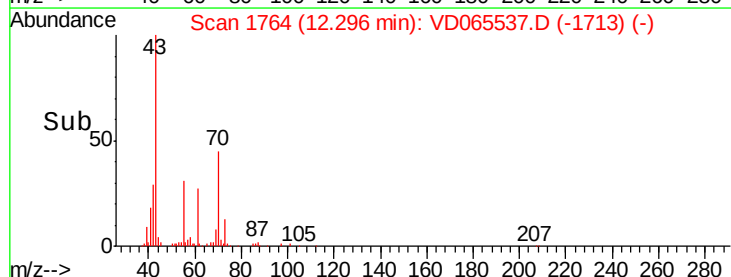
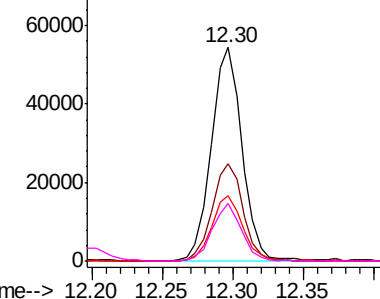


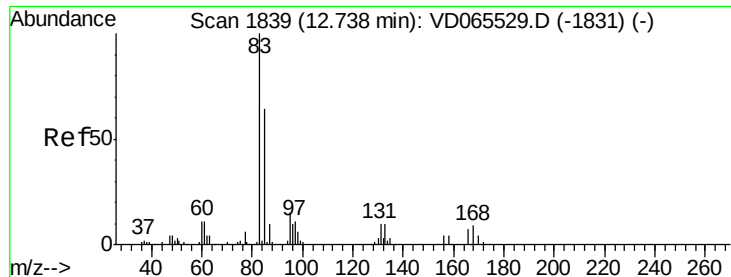
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.065 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

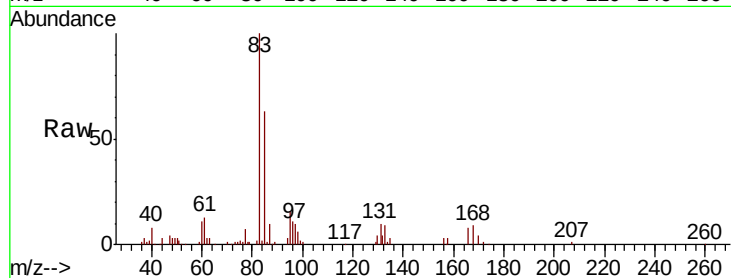
Tot Ion: 83 Resp: 79476

Ion Ratio Lower Upper

83 100

131 11.0 5.6 16.8

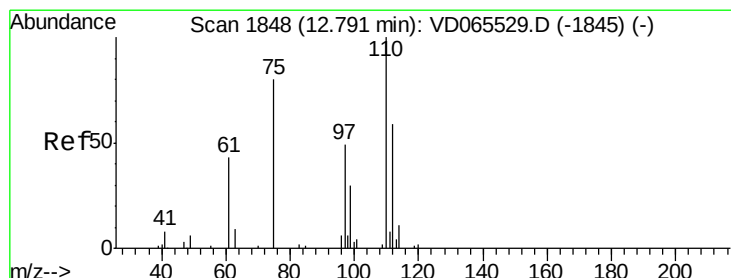
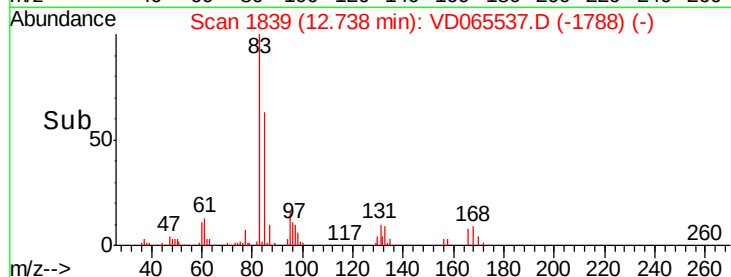
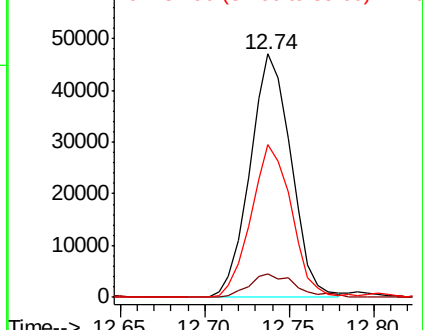
85 61.7 32.6 98.0



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 36.476 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065537.D

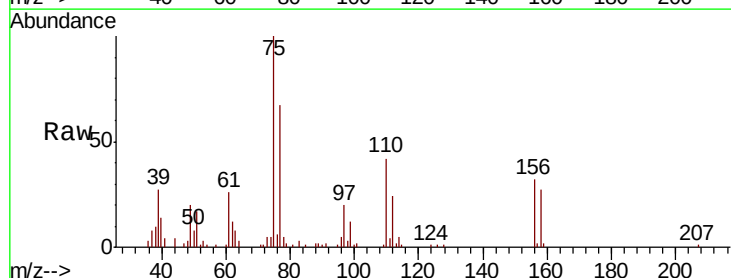
Acq: 27 Mar 2020 11:54

Tgt Ion: 75 Resp: 99204

Ion Ratio Lower Upper

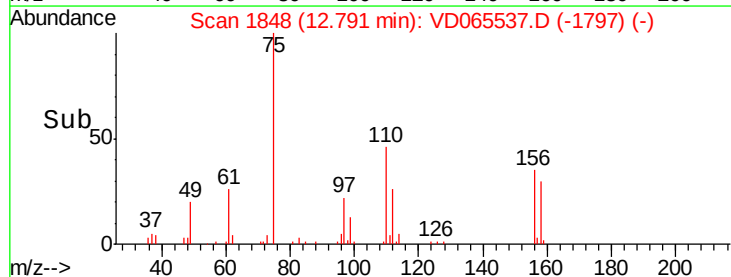
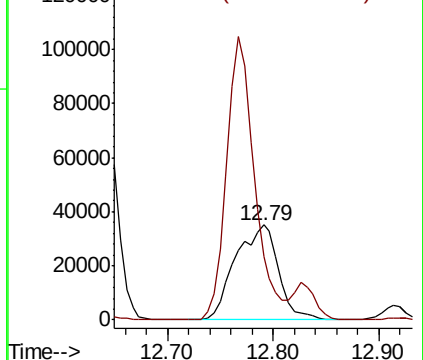
75 100

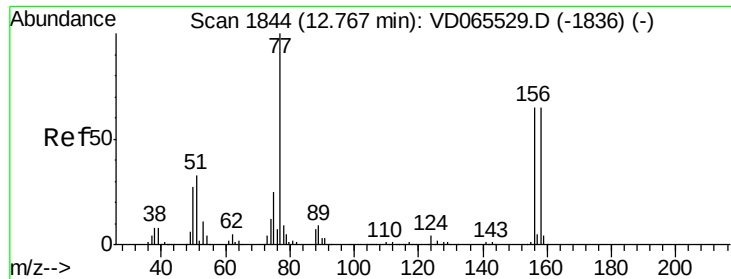
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.180 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

ClientSampled :

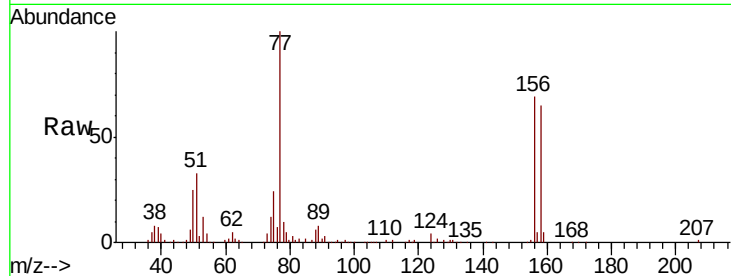
Tot Ion:156 Resp: 120223

Ion Ratio Lower Upper

156 100

77 158.6 81.8 245.3

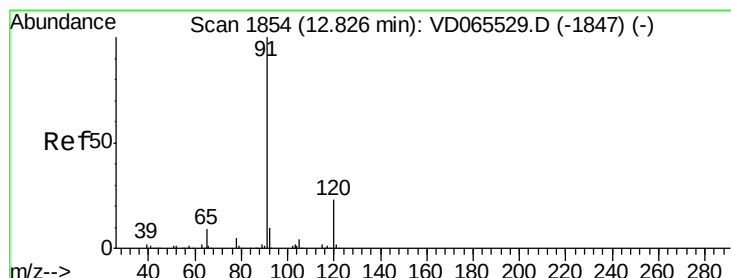
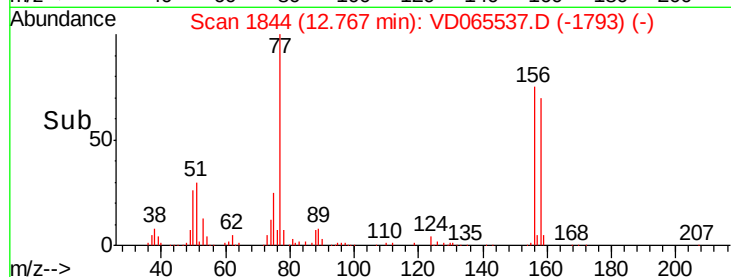
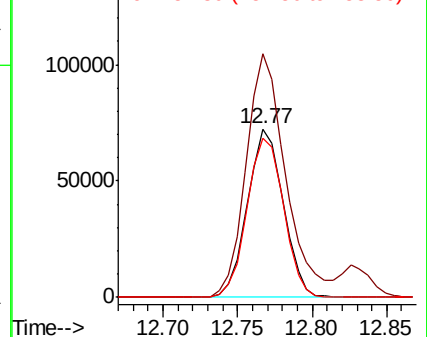
158 96.5 49.1 147.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.261 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065537.D

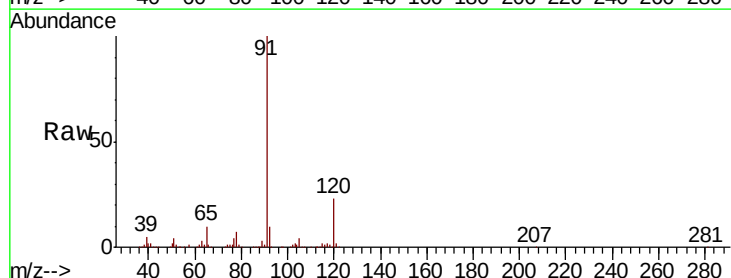
Acq: 27 Mar 2020 11:54

Tgt Ion: 91 Resp: 550482

Ion Ratio Lower Upper

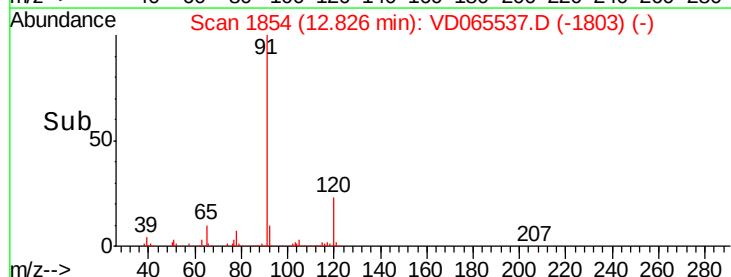
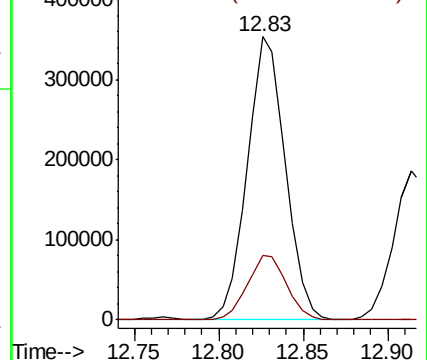
91 100

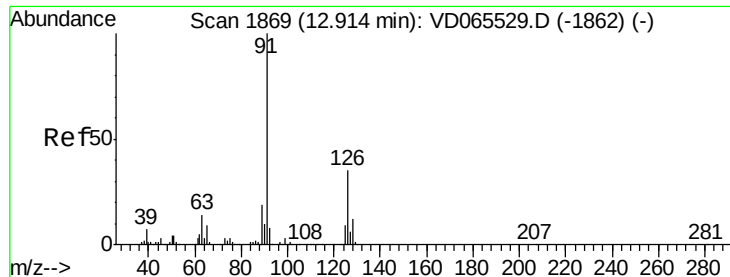
120 23.5 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.984 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

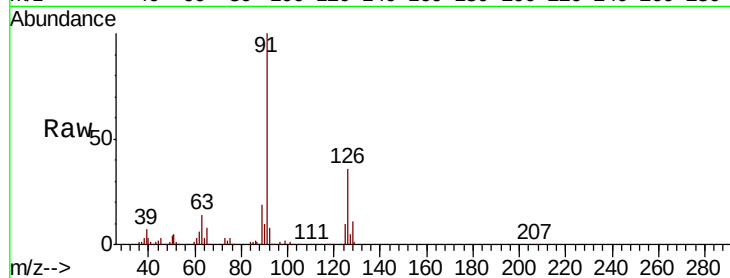
ClientSampleId :

Tot Ion: 91 Resp: 309962

Ion Ratio Lower Upper

91 100

126 35.4 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VD065537.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065537.D (-1862) (-)

400000

300000

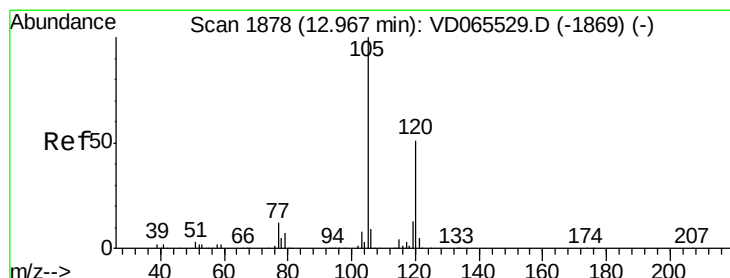
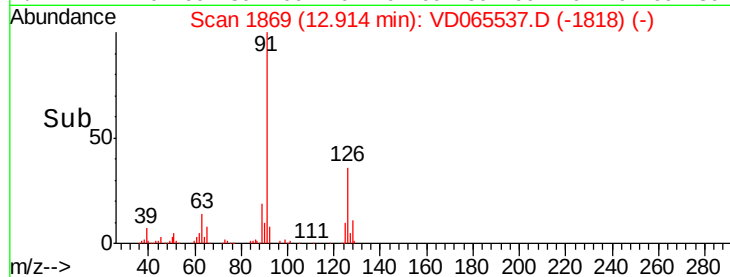
200000

100000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.342 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065537.D

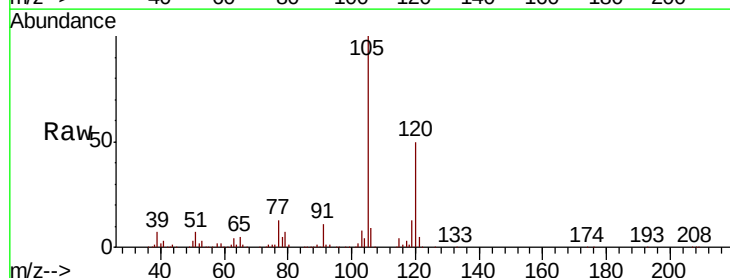
Acq: 27 Mar 2020 11:54

Tgt Ion:105 Resp: 384247

Ion Ratio Lower Upper

105 100

120 50.9 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VD065537.D (-1878) (-)

Ion 120.00 (119.70 to 120.70): VD065537.D (-1878) (-)

250000

200000

150000

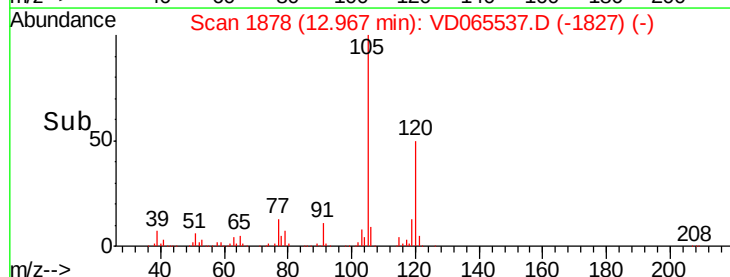
100000

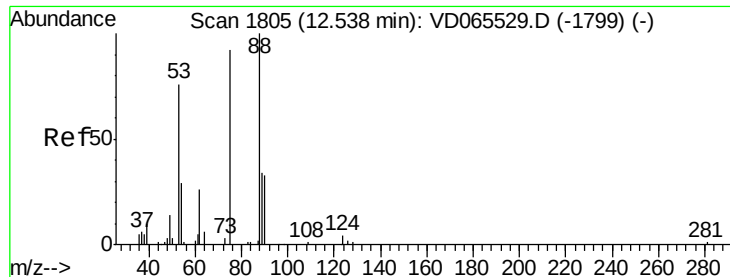
50000

0

12.90 12.95 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.510 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

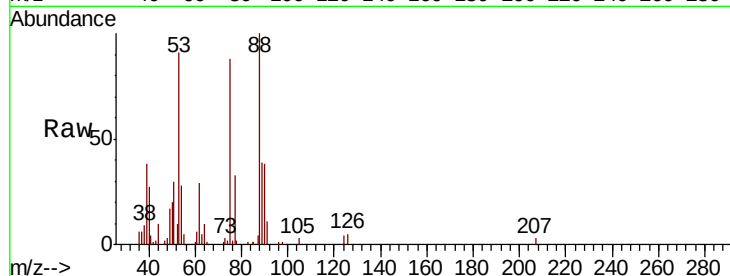
Tot Ion: 75 Resp: 22553

Ion Ratio Lower Upper

75 100

53 104.3 72.4 108.6

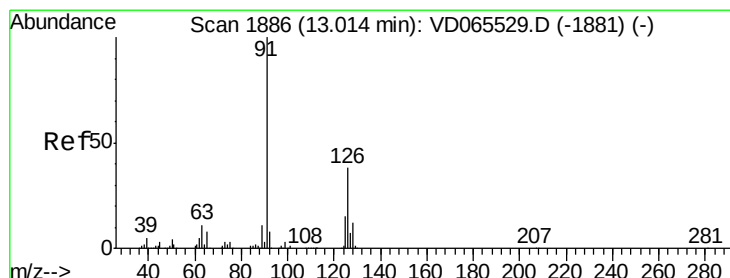
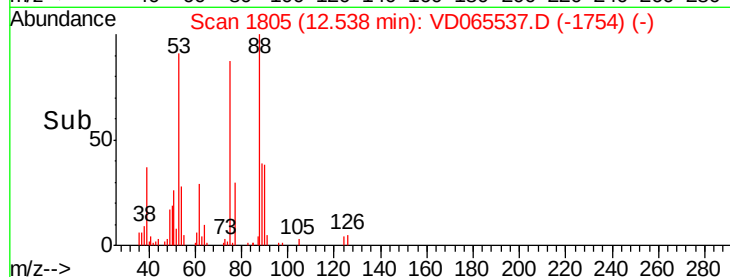
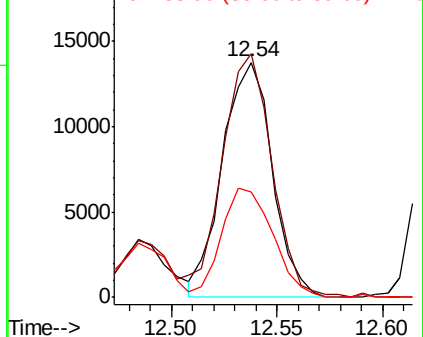
89 47.9 36.9 55.3



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: 21.199 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065537.D

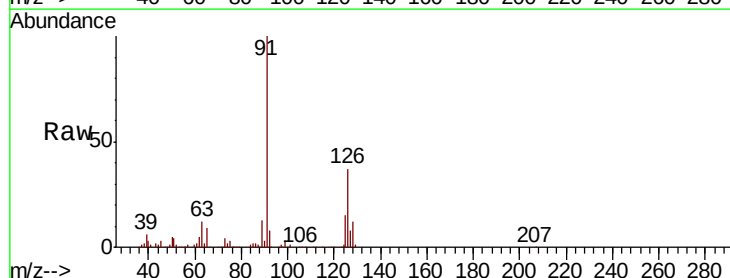
Acq: 27 Mar 2020 11:54

Tgt Ion: 91 Resp: 332774

Ion Ratio Lower Upper

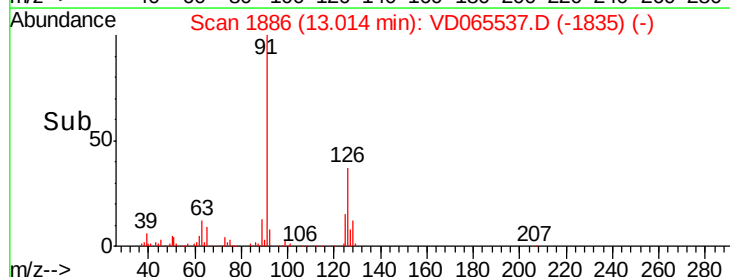
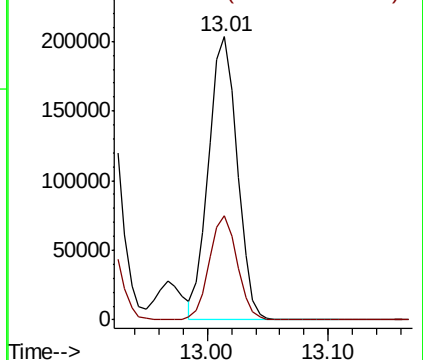
91 100

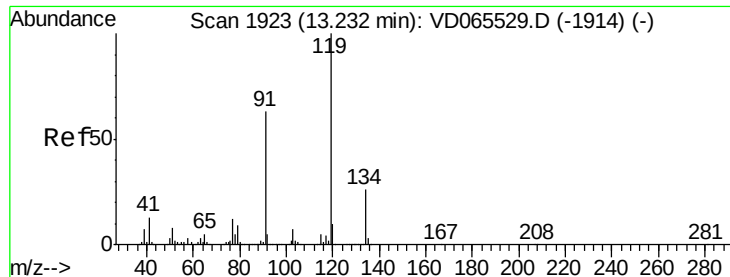
126 35.7 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.435 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

ClientSampled :

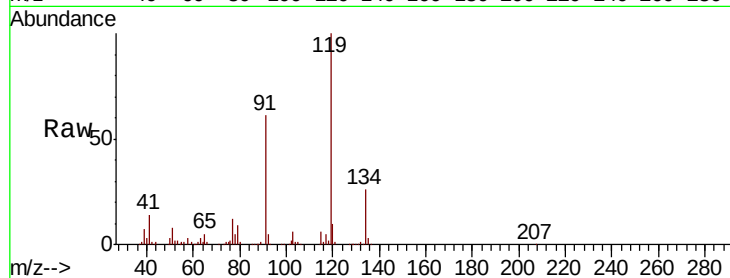
Tot Ion:119 Resp: 308145

Ion Ratio Lower Upper

119 100

91 62.5 31.4 94.0

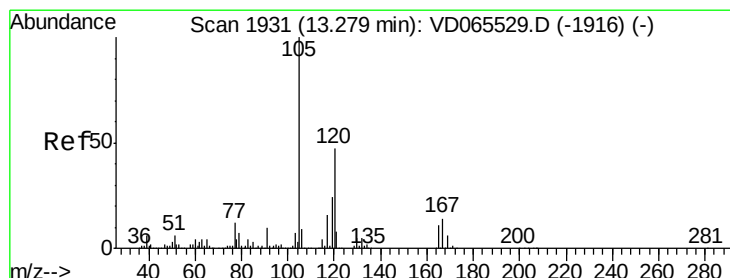
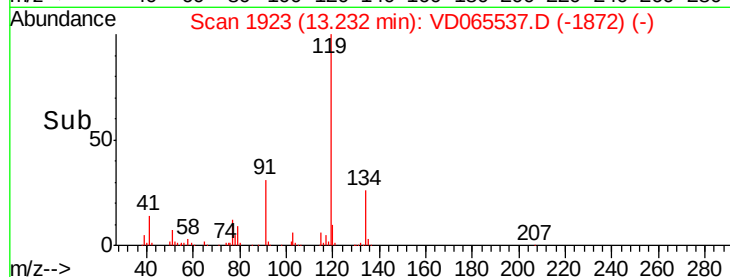
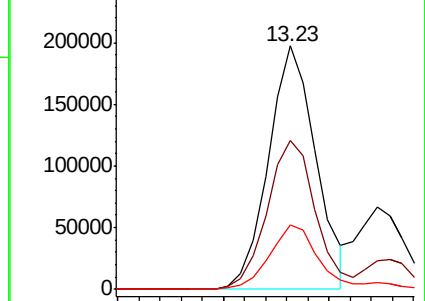
134 28.7 13.9 41.6



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: 21.208 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. -0.00 min

Lab File: VD065537.D

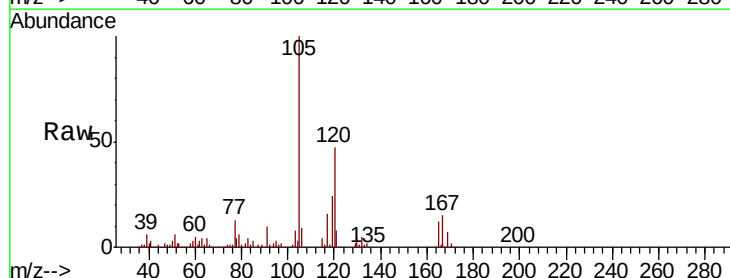
Acq: 27 Mar 2020 11:54

Tgt Ion:105 Resp: 381739

Ion Ratio Lower Upper

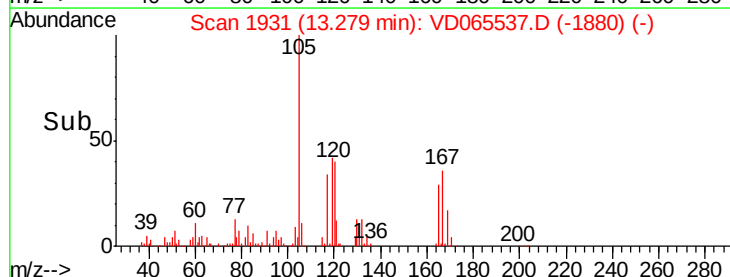
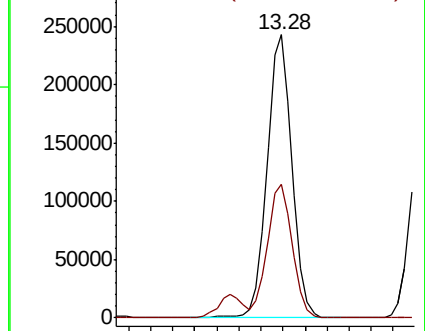
105 100

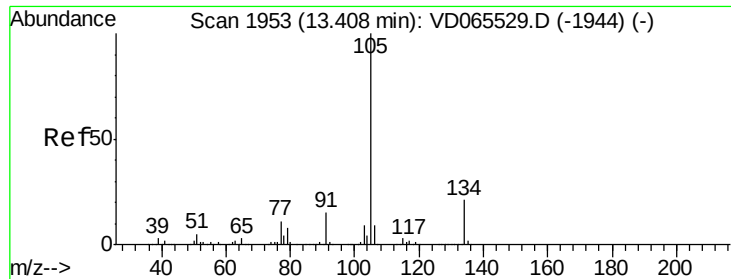
120 47.5 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.006 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

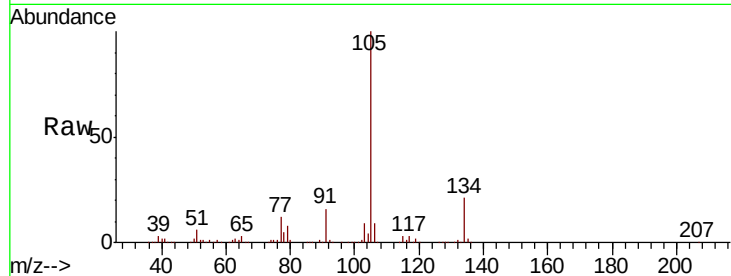
ClientSampled :

Tot Ion:105 Resp: 453282

Ion Ratio Lower Upper

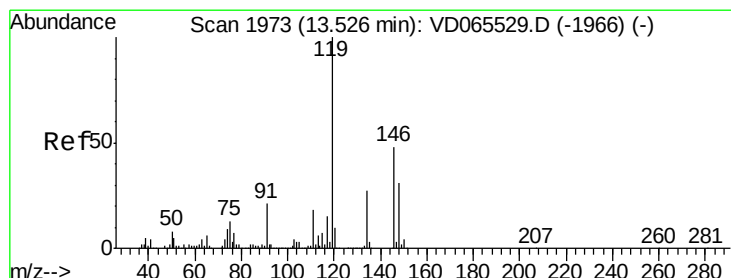
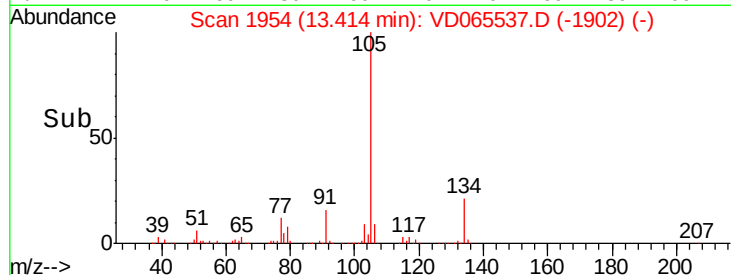
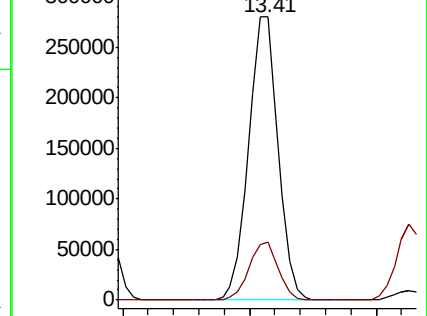
105 100

134 20.3 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.065 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

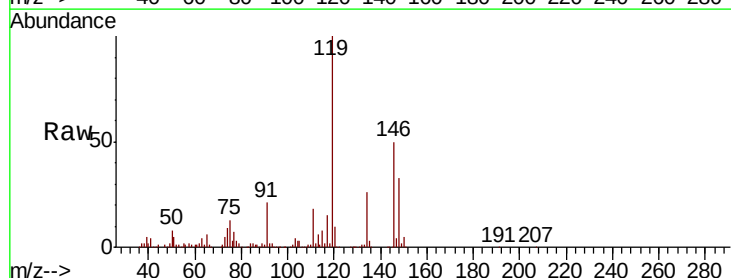
Tgt Ion:119 Resp: 418883

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

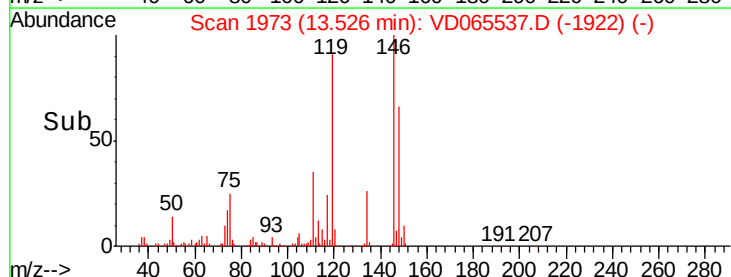
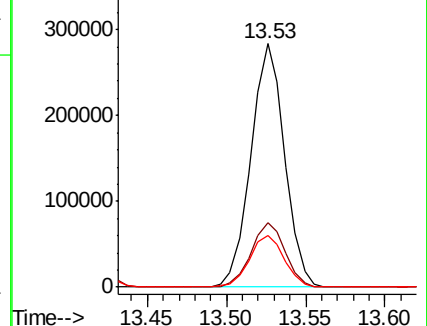
91 21.6 10.8 32.3

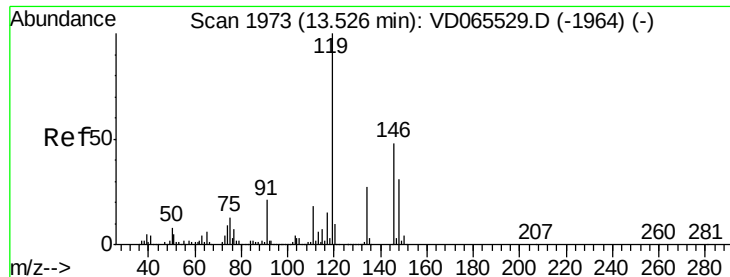


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.919 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

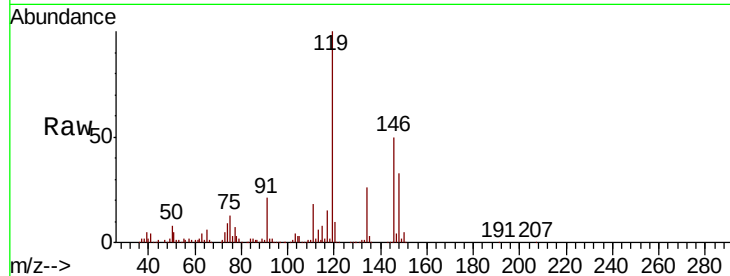
Tot Ion:146 Resp: 228583

Ion Ratio Lower Upper

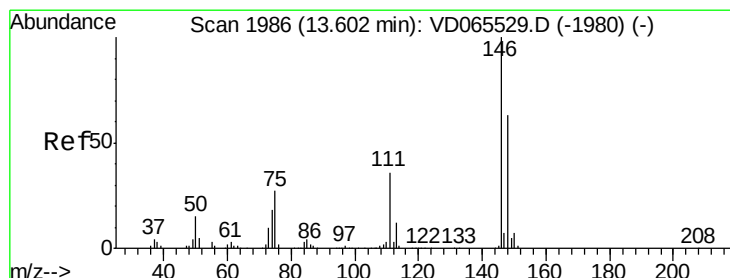
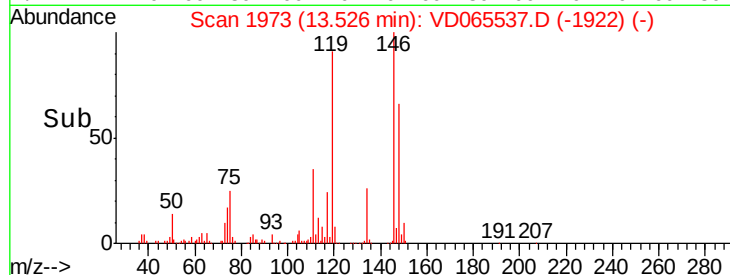
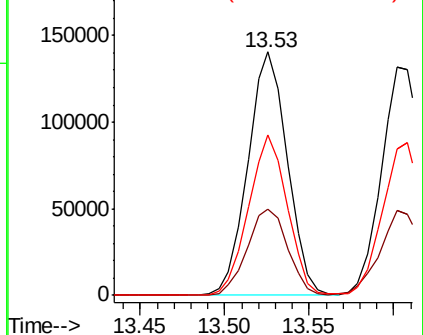
146 100

111 36.4 18.5 55.5

148 64.8 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.491 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD065537.D

Acq: 27 Mar 2020 11:54

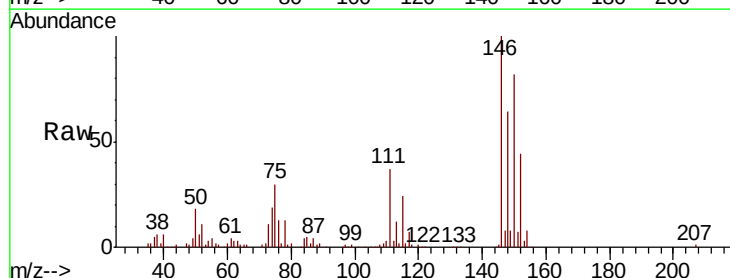
Tgt Ion:146 Resp: 223735

Ion Ratio Lower Upper

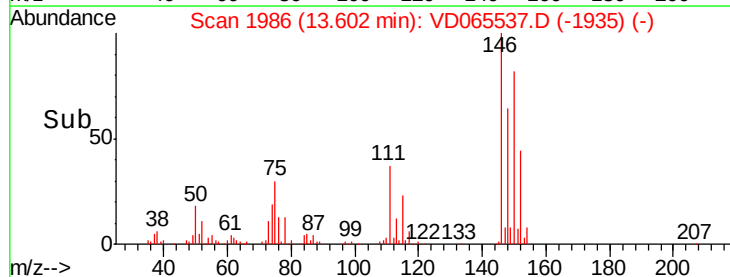
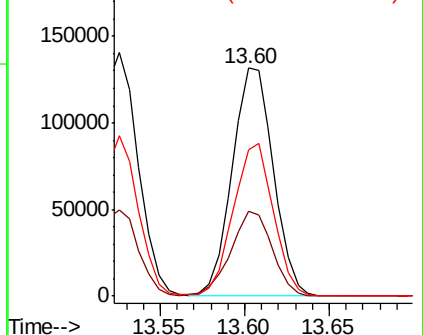
146 100

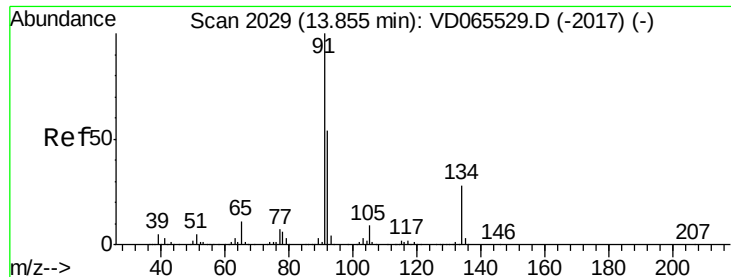
111 37.4 18.0 54.0

148 65.3 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

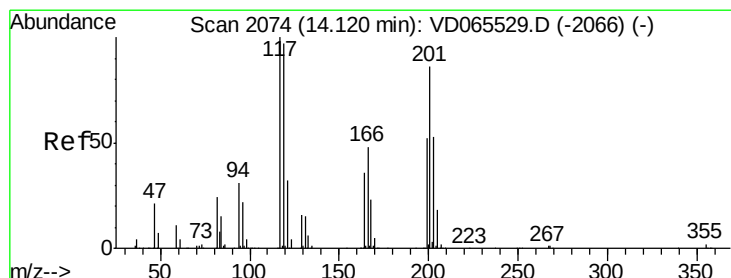
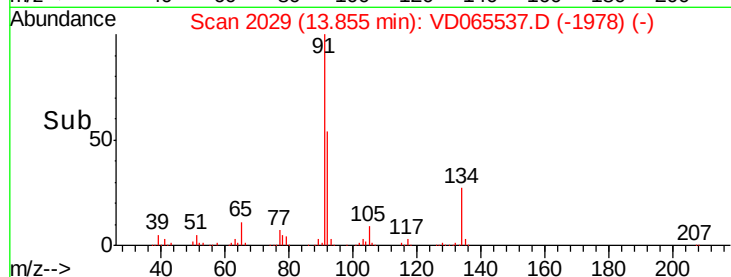
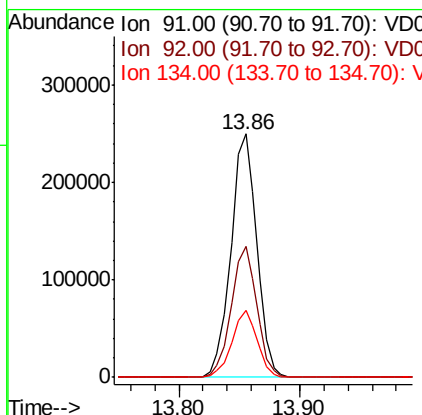
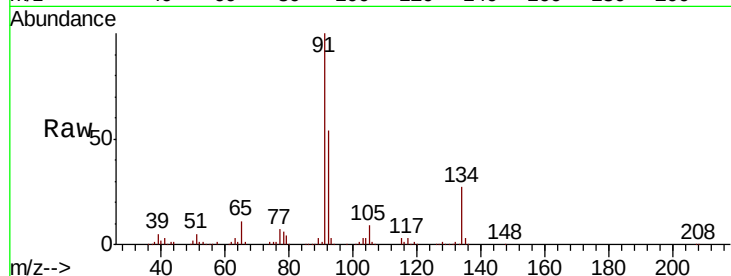




#89
n-Butylbenzene
Concen: 20.610 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

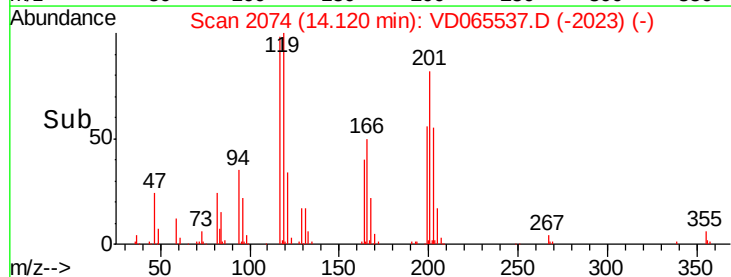
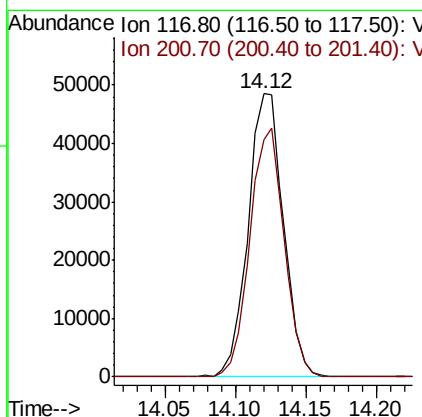
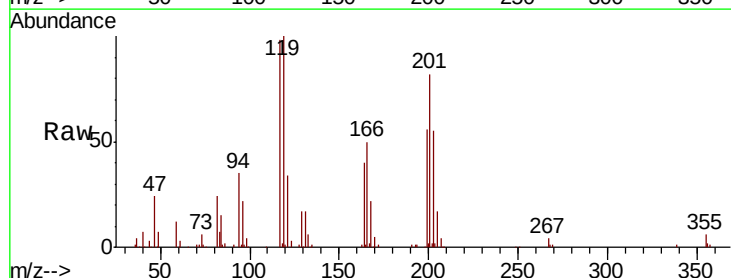
Instrument :
MSVOA_D
ClientSampleId :

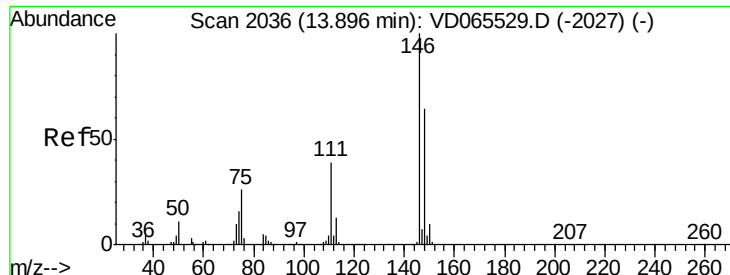
Tot Ion: 91 Resp: 372182
Ion Ratio Lower Upper
91 100
92 53.0 26.8 80.4
134 26.8 13.7 41.0



#90
Hexachloroethane
Concen: 20.452 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion: 117 Resp: 85284
Ion Ratio Lower Upper
117 100
201 85.5 43.9 131.6

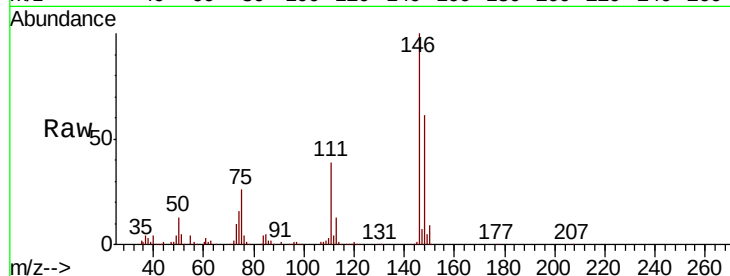




#91
 1,2-Dichlorobenzene
 Concen: 21.228 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.4
148	63.0	32.1	96.5

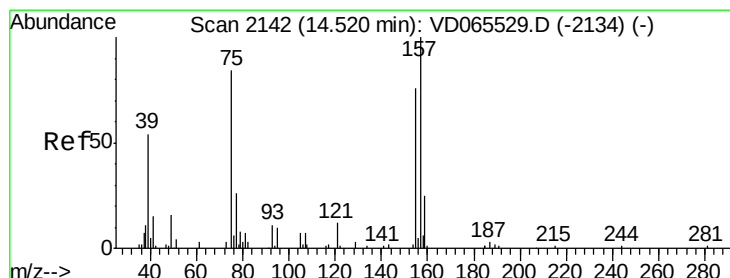
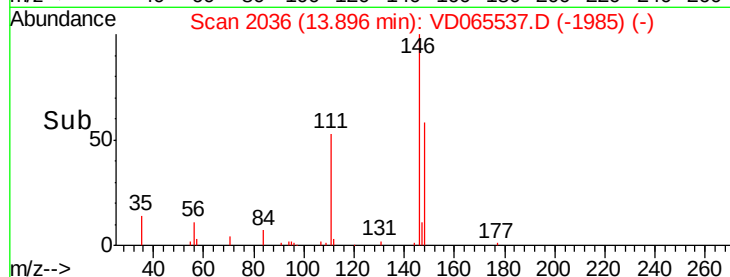
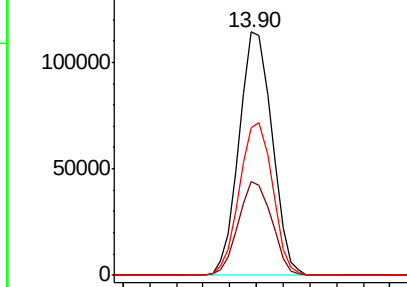


Abundance

Ion 145.90 (145.60 to 146.60): V

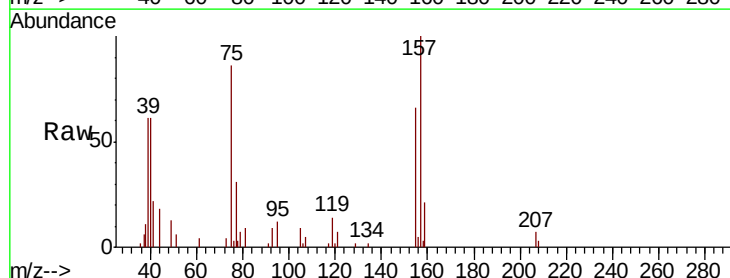
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.125 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.7	46.2	138.6
157	118.3	57.9	173.7

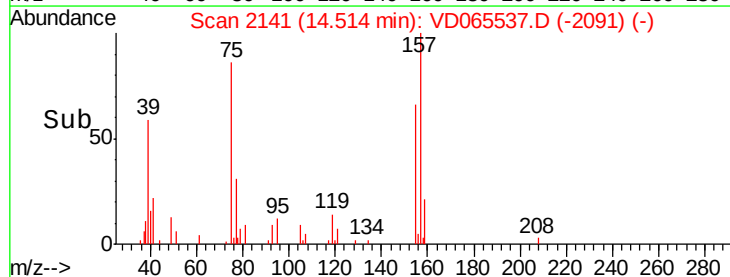
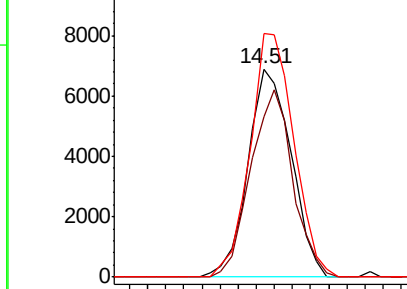


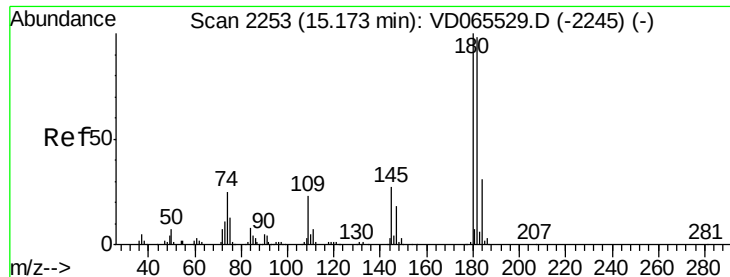
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

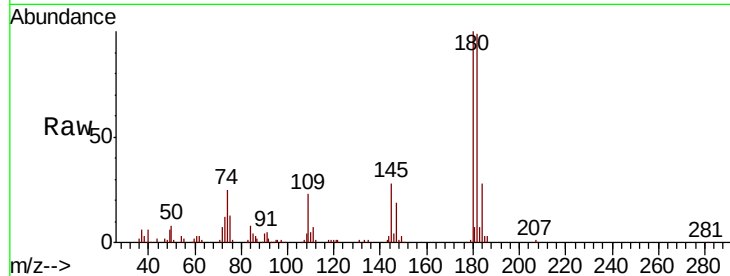




#93
 1,2,4-Trichlorobenzene
 Concen: 20.200 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	48.1	144.3
145	27.8	13.9	41.6

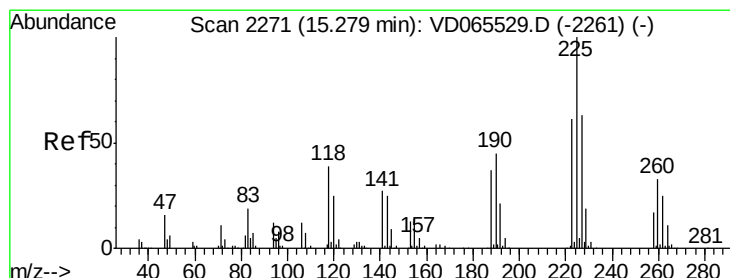
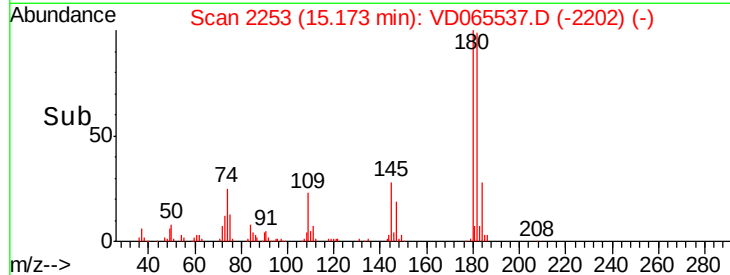
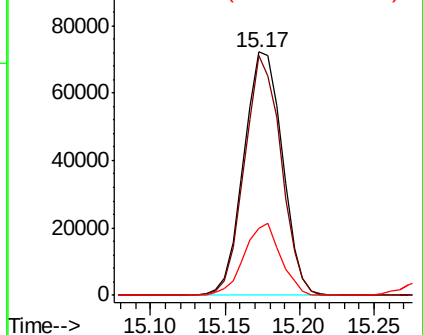


Abundance

Ion 179.80 (179.50 to 180.50): V

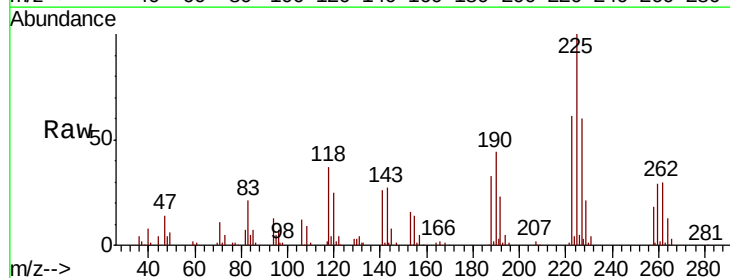
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.468 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065537.D
 Acq: 27 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.1	31.2	93.6
227	61.5	32.3	96.9

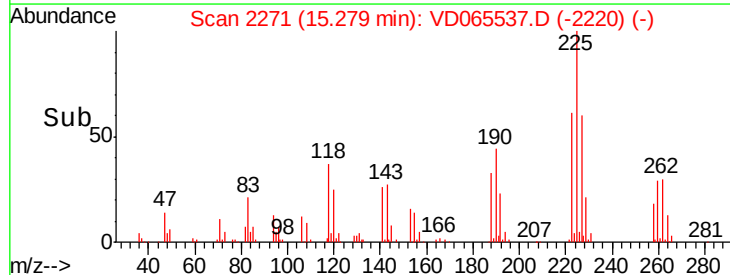
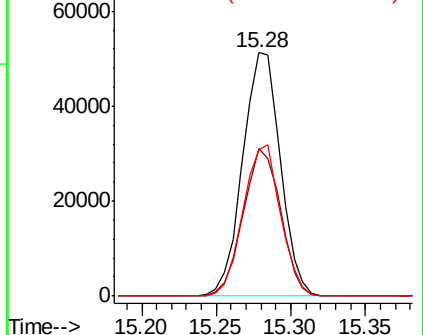


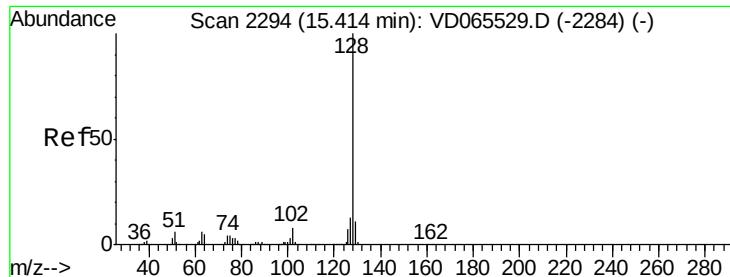
Abundance

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

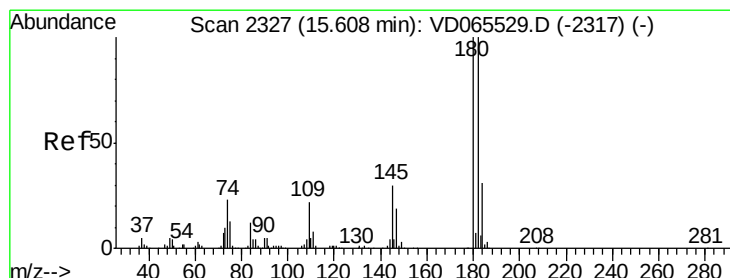
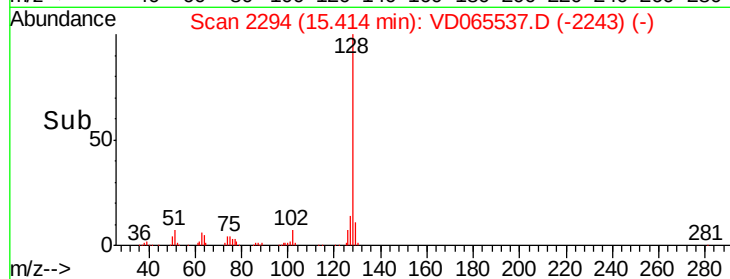
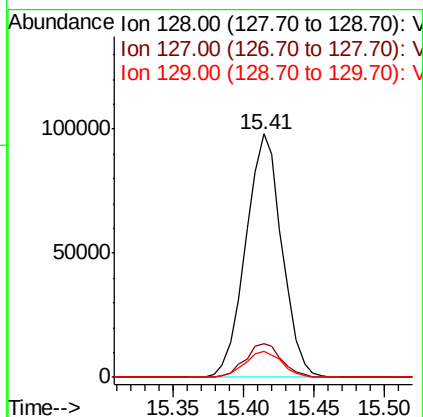
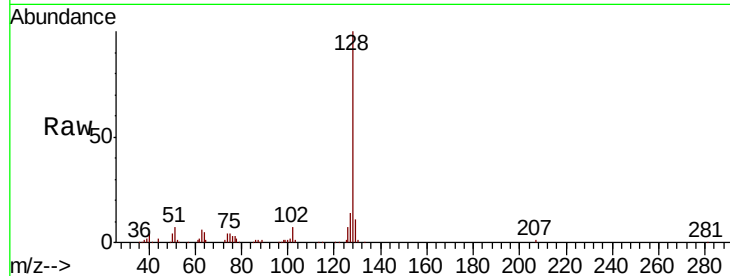




#95
Naphthalene
Concen: 19.037 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 175992
Ion Ratio Lower Upper
128 100
127 14.1 10.4 15.6
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.974 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065537.D
Acq: 27 Mar 2020 11:54

Tgt Ion:180 Resp: 110047
Ion Ratio Lower Upper
180 100
182 96.8 48.1 144.3
145 30.5 15.0 45.0

