

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050120\
 Data File : VD065692.D
 Acq On : 01 May 2020 20:08
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 02 03:00:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050120S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 02 02:54:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	651460	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	898827	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	857657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	456355	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	973742	177.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	355.02%	
35) Dibromofluoromethane	7.92	113	885129	141.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	283.06%	
50) Toluene-d8	10.34	98	3533805	215.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	431.94%	
62) 4-Bromofluorobenzene	12.64	95	1153665	183.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	367.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	431453	80.831	ug/l	96
3) Chloromethane	2.21	50	845066	163.039	ug/l	99
4) Vinyl Chloride	2.34	62	1050718	209.542	ug/l	99
5) Bromomethane	2.74	94	646856	352.533	ug/l	98
6) Chloroethane	2.91	64	688130	317.052	ug/l	100
7) Trichlorofluoromethane	3.27	101	1372133	187.530	ug/l	97
8) Diethyl Ether	3.70	74	403442	205.761	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	825596	132.695	ug/l	97
10) Methyl Iodide	4.30	142	947213	130.819	ug/l	95
11) Tert butyl alcohol	5.23	59	253526	829.765	ug/l	98
12) 1,1-Dichloroethene	4.06	96	770760	144.586	ug/l	98
13) Acrolein	3.92	56	271713	769.100	ug/l	99
14) Allyl chloride	4.71	41	1437735	188.068	ug/l	99
15) Acrylonitrile	5.42	53	956680	989.862	ug/l	98
16) Acetone	4.16	43	811817	673.736	ug/l	96
17) Carbon Disulfide	4.40	76	2438594	155.197	ug/l	98
18) Methyl Acetate	4.71	43	489612	183.111	ug/l	92
19) Methyl tert-butyl Ether	5.48	73	1947265	178.261	ug/l	99
20) Methylene Chloride	4.96	84	904358	130.683	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	940405	152.782	ug/l	98
22) Diisopropyl ether	6.36	45	2915769	167.116	ug/l	99
23) Vinyl Acetate	6.30	43	8496916	921.560	ug/l	99
24) 1,1-Dichloroethane	6.26	63	1651119	156.492	ug/l	100
25) 2-Butanone	7.21	43	1249336	820.844	ug/l	100
26) 2,2-Dichloropropane	7.21	77	1456170	158.990	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	1026659	146.834	ug/l	99
28) Bromochloromethane	7.55	49	639436	156.827	ug/l	94
29) Tetrahydrofuran	7.56	42	804250	1023.417	ug/l	100
30) Chloroform	7.71	83	1719124	147.694	ug/l	98
31) Cyclohexane	7.99	56	1463149	184.470	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	1557449	153.888	ug/l	98
36) 1,1-Dichloropropene	8.11	75	1346669	184.552	ug/l	98
37) Ethyl Acetate	7.30	43	565088	177.963	ug/l	99
38) Carbon Tetrachloride	8.10	117	1461093	164.135	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050120\
 Data File : VD065692.D
 Acq On : 01 May 2020 20:08
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 02 03:00:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050120S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 02 02:54:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	1598104	215.547	ug/l	97
40) Benzene	8.36	78	3824686	205.612	ug/l	98
41) Methacrylonitrile	7.56	41	813954	248.790	ug/l #	67
42) 1,2-Dichloroethane	8.43	62	1163973	185.846	ug/l	99
43) Isopropyl Acetate	9.53	43	818308	181.011	ug/l	97
44) Trichloroethene	9.11	130	1027564	153.106	ug/l	100
45) 1,2-Dichloropropane	9.39	63	951198	201.052	ug/l	96
46) Dibromomethane	9.48	93	496921	155.112	ug/l	97
47) Bromodichloromethane	9.67	83	1357205	174.400	ug/l	99
48) Methyl methacrylate	9.46	41	545989	199.834	ug/l	96
49) 1,4-Dioxane	9.47	88	118892	4130.817	ug/l	88
51) 4-Methyl-2-Pentanone	10.23	43	2955386	1028.107	ug/l	100
52) Toluene	10.41	92	2546459	211.875	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	1280457	195.002	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	1510131	188.970	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	664327	171.465	ug/l	97
56) Ethyl methacrylate	10.67	69	876251	201.597	ug/l	99
57) 1,3-Dichloropropane	10.95	76	1180673	192.113	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	1325479	664.015	ug/l	97
59) 2-Hexanone	10.99	43	1988468	942.796	ug/l	96
60) Dibromochloromethane	11.14	129	924102	149.907	ug/l	99
61) 1,2-Dibromoethane	11.25	107	650806	145.354	ug/l	100
64) Tetrachloroethene	10.88	164	892237	145.343	ug/l	97
65) Chlorobenzene	11.67	112	2586304	156.898	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	1043561	151.994	ug/l	98
67) Ethyl Benzene	11.75	91	4946814	180.343	ug/l	100
68) m/p-Xylenes	11.86	106	3794931	376.163	ug/l	97
69) o-Xylene	12.18	106	1719617	188.588	ug/l	98
70) Styrene	12.20	104	3099765	195.217	ug/l	99
71) Bromoform	12.37	173	558446	142.469	ug/l	99
73) Isopropylbenzene	12.48	105	4648517	152.899	ug/l	99
74) N-amyl acetate	12.30	43	1070917	139.508	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	725871	124.621	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	1031969	191.496	ug/l	92
77) Bromobenzene	12.77	156	1110680	129.695	ug/l	95
78) n-propylbenzene	12.83	91	5477706	155.234	ug/l	98
79) 2-Chlorotoluene	12.91	91	3082495	146.739	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	3969822	161.795	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.54	75	257486	147.484	ug/l	98
82) 4-Chlorotoluene	13.01	91	3336713	145.141	ug/l	100
83) tert-Butylbenzene	13.23	119	3302461	123.049	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	4008301	172.756	ug/l	98
85) sec-Butylbenzene	13.41	105	4575249	151.361	ug/l	99
86) p-Isopropyltoluene	13.53	119	4412414	163.182	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	2211676	145.809	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	2129546	149.985	ug/l	99
89) n-Butylbenzene	13.86	91	3958986	161.089	ug/l	98
90) Hexachloroethane	14.12	117	821086	117.194	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	1853586	146.734	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.52	75	122261	151.668	ug/l	87

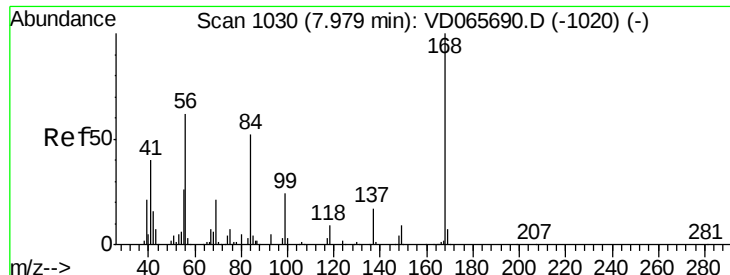
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050120\
Data File : VD065692.D
Acq On : 01 May 2020 20:08
Operator : VA/SY
Sample : VSTDICC150
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: May 02 03:00:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050120S.M
Quant Title : SW846 8260
QLast Update : Sat May 02 02:54:06 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	1285576	184.499	ug/l	100
94) Hexachlorobutadiene	15.28	225	824567	162.848	ug/l	98
95) Naphthalene	15.41	128	2128946	188.600	ug/l	97
96) 1,2,3-Trichlorobenzene	15.61	180	1116270	255.440	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

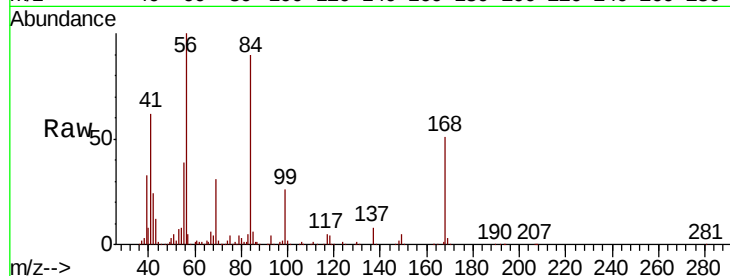
ClientSampled :

Tot Ion:168 Resp: 651460

Ion Ratio Lower Upper

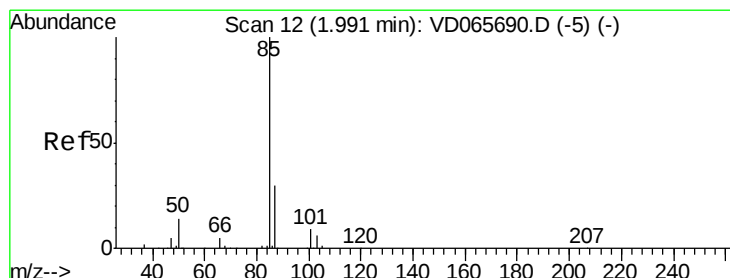
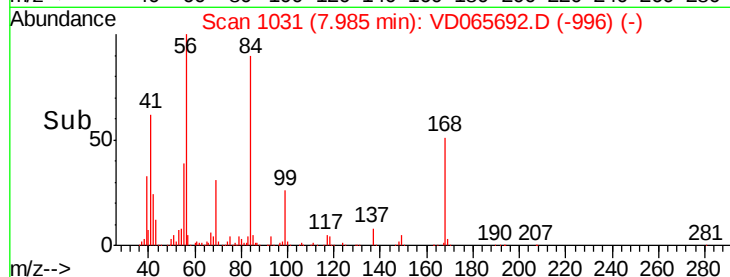
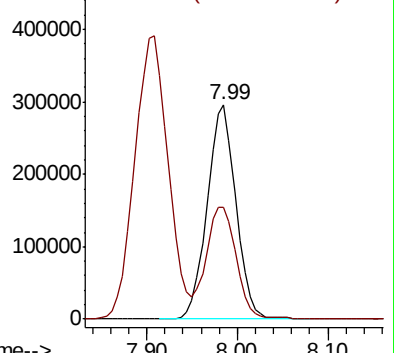
168 100

99 52.3 44.8 67.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 80.831 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD065692.D

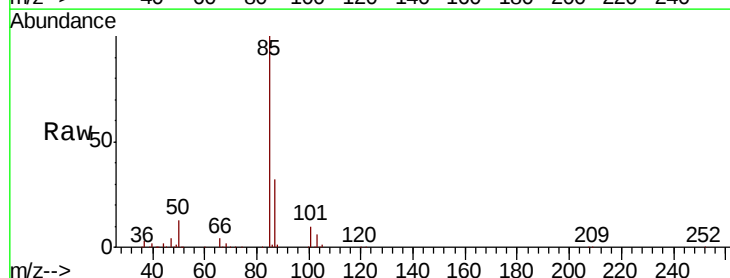
Acq: 01 May 2020 20:08

Tgt Ion: 85 Resp: 431453

Ion Ratio Lower Upper

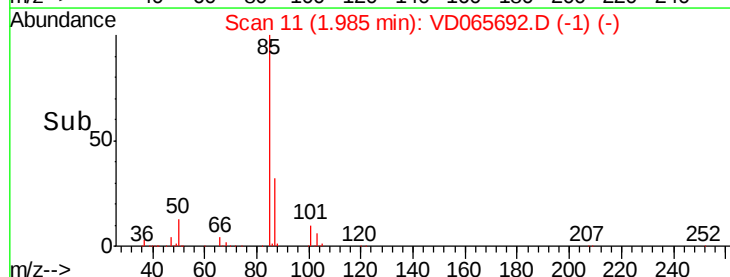
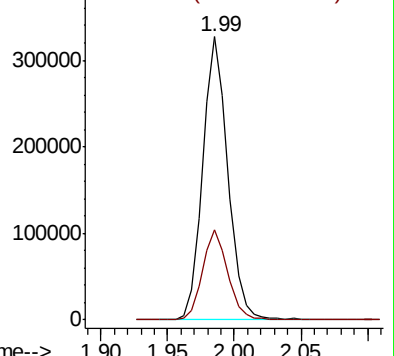
85 100

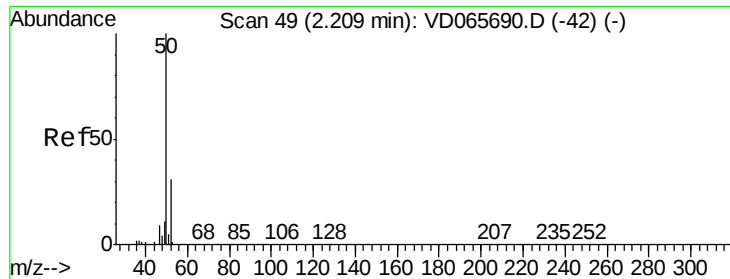
87 31.9 14.9 44.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

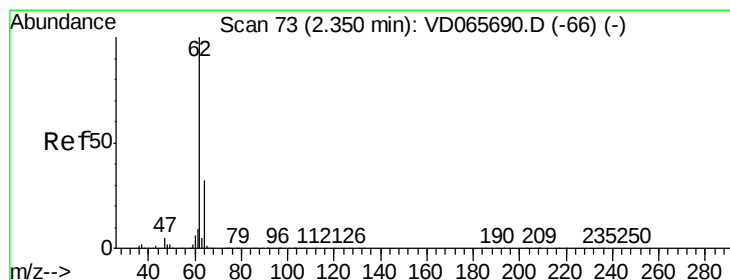
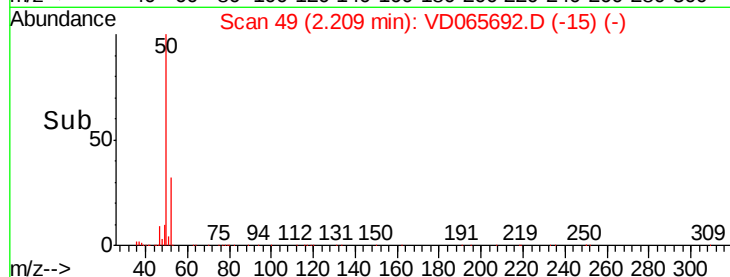
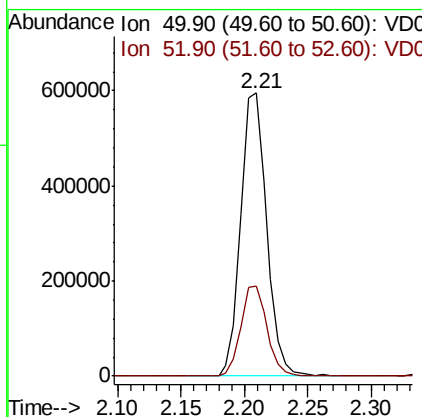
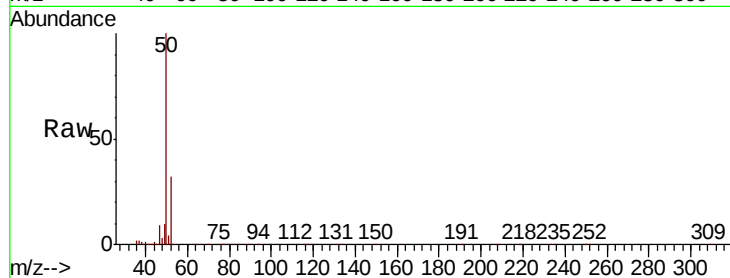




#3
 Chloromethane
 Concen: 163.039 ug/l
 RT: 2.21 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VD065692.D
 Acq: 01 May 2020 20:08

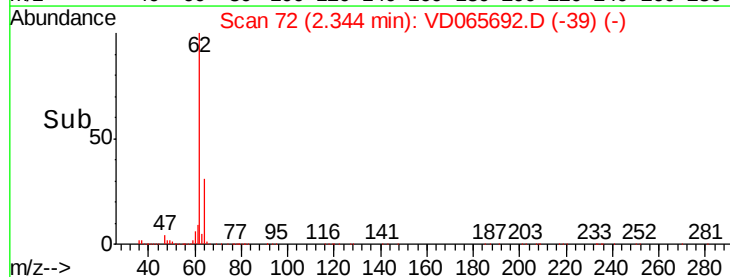
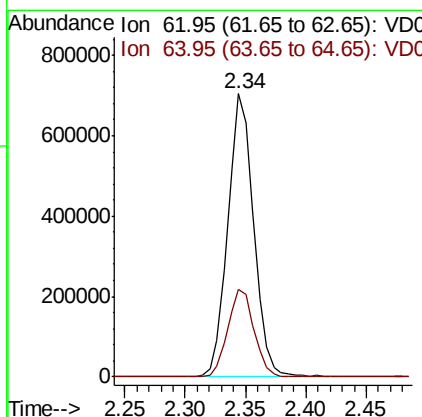
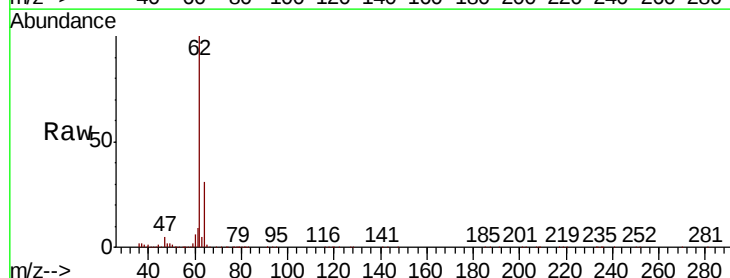
Instrument :
 MSVOA_D
 ClientSampleId :

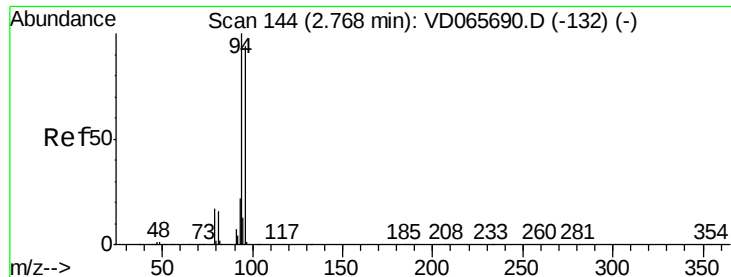
Tot Ion: 50 Resp: 845066
 Ion Ratio Lower Upper
 50 100
 52 32.0 25.2 37.8



#4
 Vinyl Chloride
 Concen: 209.542 ug/l
 RT: 2.34 min Scan# 72
 Delta R.T. -0.01 min
 Lab File: VD065692.D
 Acq: 01 May 2020 20:08

Tgt Ion: 62 Resp: 1050718
 Ion Ratio Lower Upper
 62 100
 64 31.1 25.4 38.0





#5

Bromomethane

Concen: 352.533 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.02 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

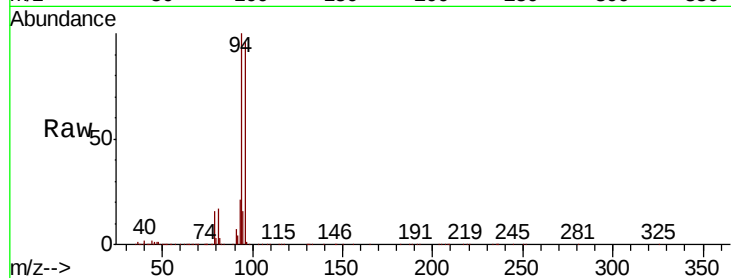
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 94 Resp: 646856

Ion	Ratio	Lower	Upper
94	100		
96	95.6	75.1	112.7
93	21.1	17.8	26.6

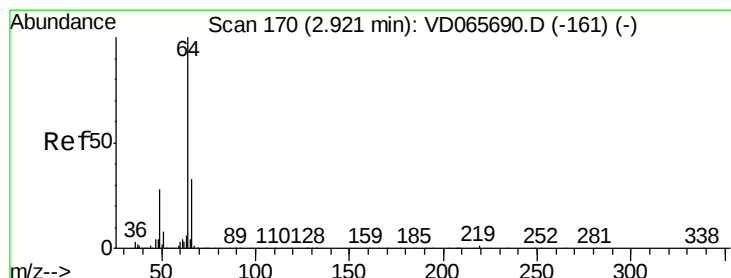
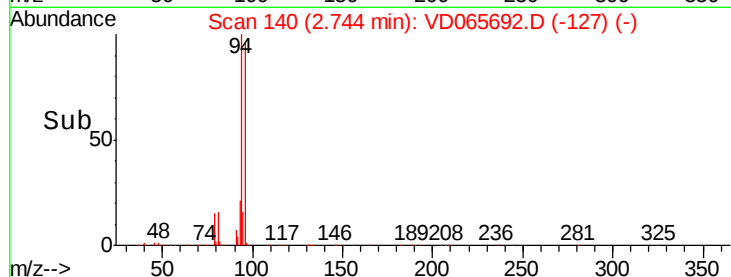


Abundance

Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 317.052 ug/l

RT: 2.91 min Scan# 168

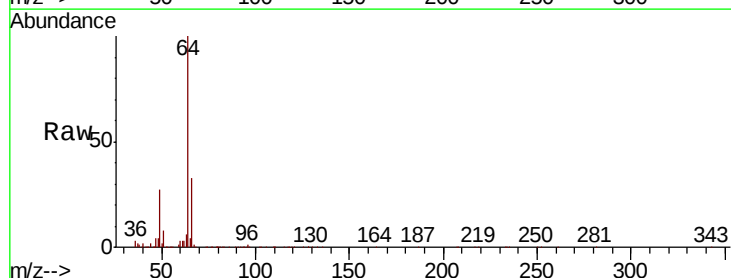
Delta R.T. -0.01 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Tgt Ion: 64 Resp: 688130

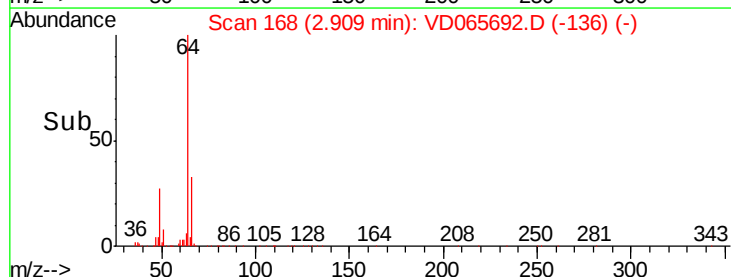
Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.2	39.2

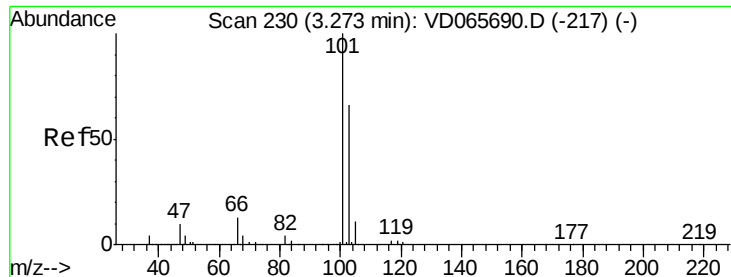


Abundance

Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



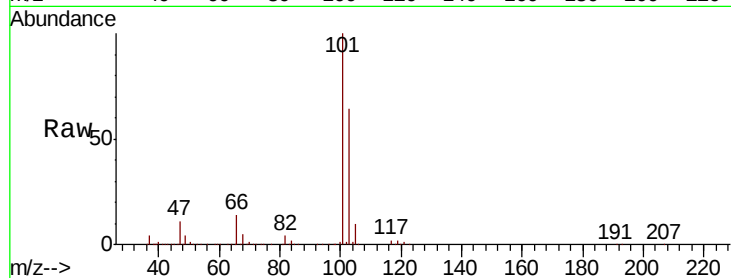


#7

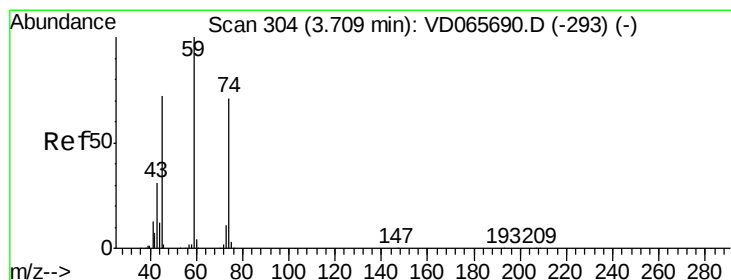
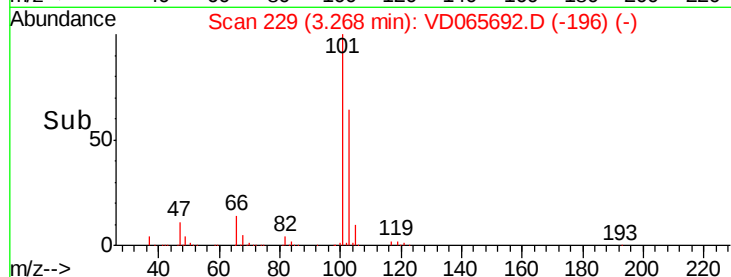
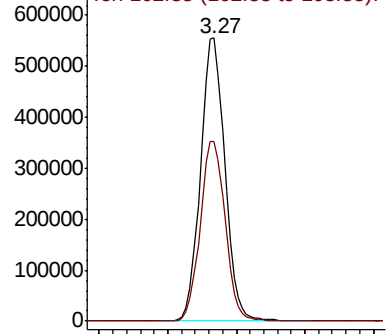
Trichlorofluoromethane
 Concen: 187.530 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065692.D
 Acq: 01 May 2020 20:08

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 1372133
 Ion Ratio Lower Upper
 101 100
 103 63.7 52.6 79.0



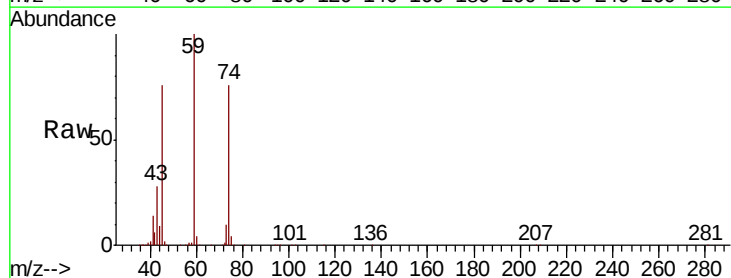
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



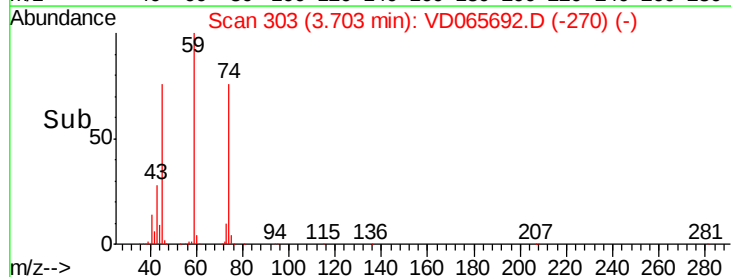
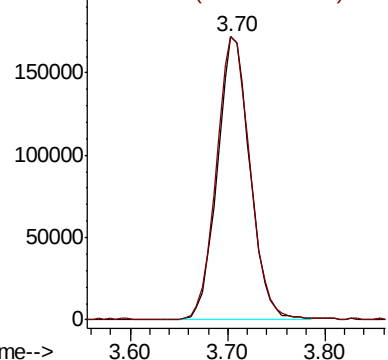
#8

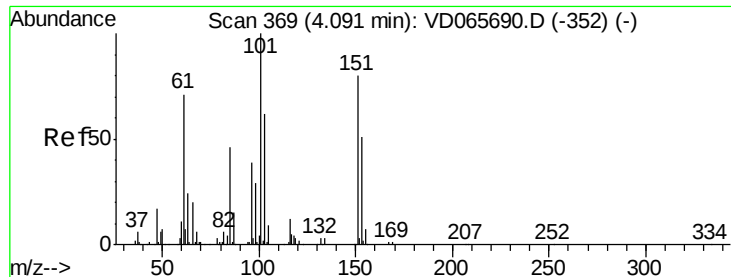
Diethyl Ether
 Concen: 205.761 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065692.D
 Acq: 01 May 2020 20:08

Tgt Ion: 74 Resp: 403442
 Ion Ratio Lower Upper
 74 100
 45 100.0 50.8 152.4



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 132.695 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

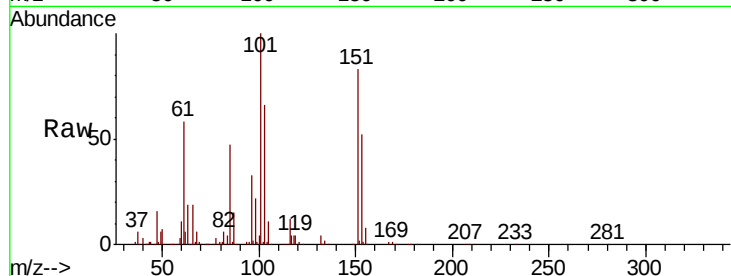
Tot Ion:101 Resp: 825596

Ion Ratio Lower Upper

101 100

85 46.5 36.7 55.1

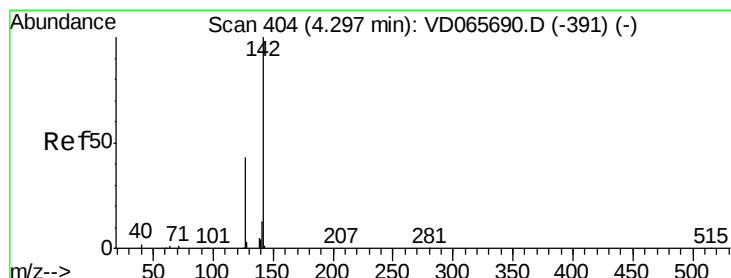
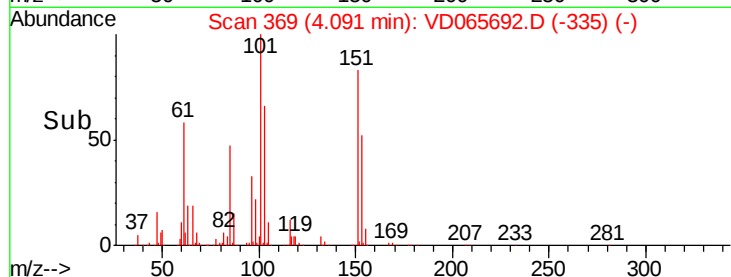
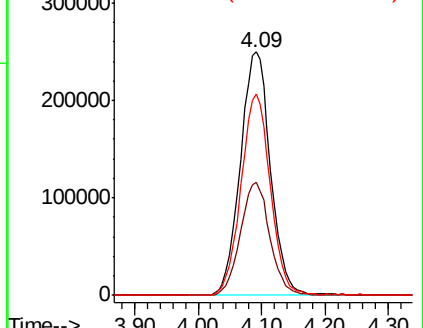
151 82.8 63.8 95.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 130.819 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

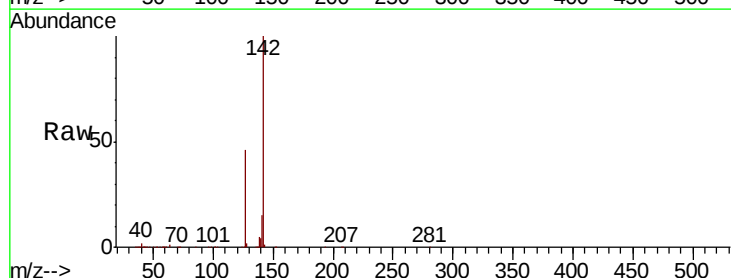
Tgt Ion:142 Resp: 947213

Ion Ratio Lower Upper

142 100

127 46.1 34.3 51.5

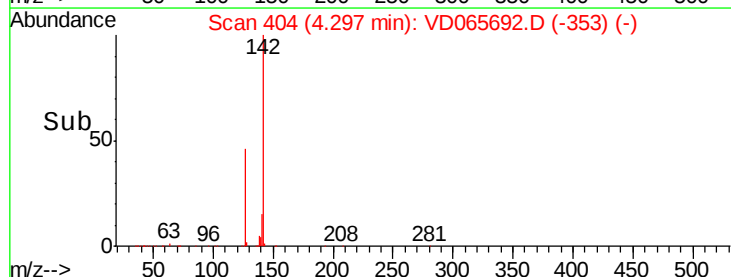
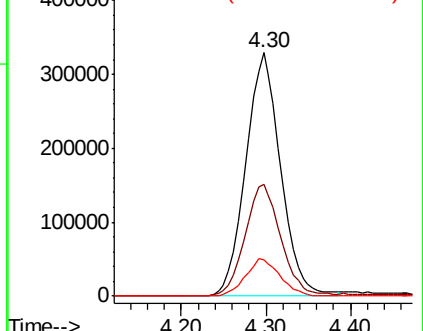
141 14.7 10.3 15.5

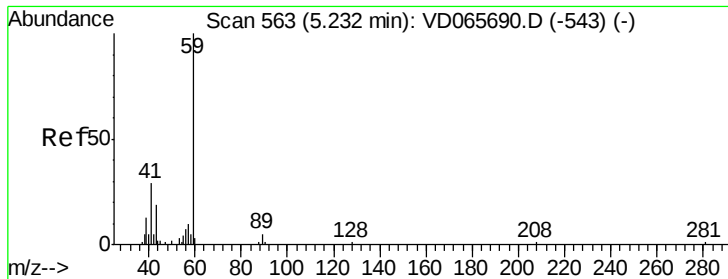


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

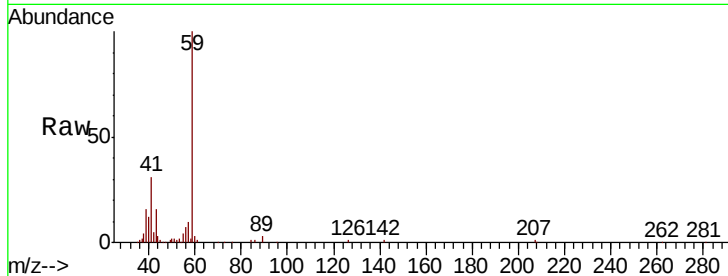




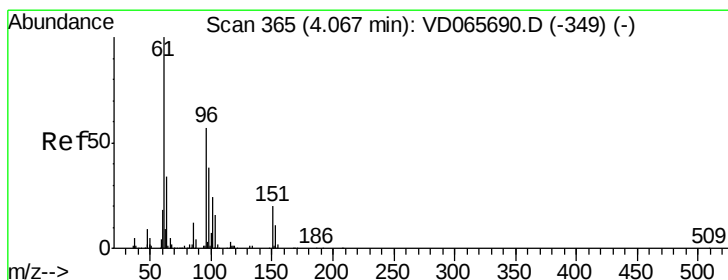
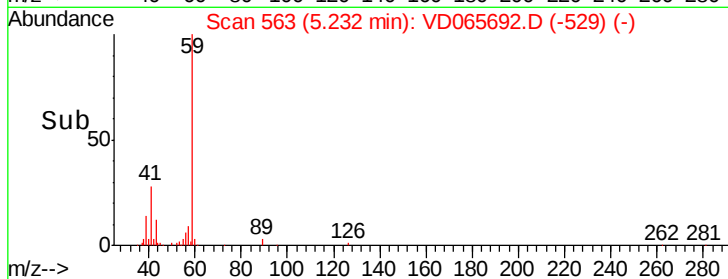
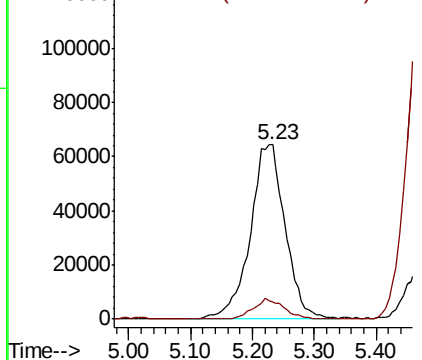
#11
Tert butyl alcohol
Concen: 829.765 ug/l
RT: 5.23 min Scan# 563
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 59 Resp: 253526
Ion Ratio Lower Upper
59 100
57 9.7 8.2 12.4

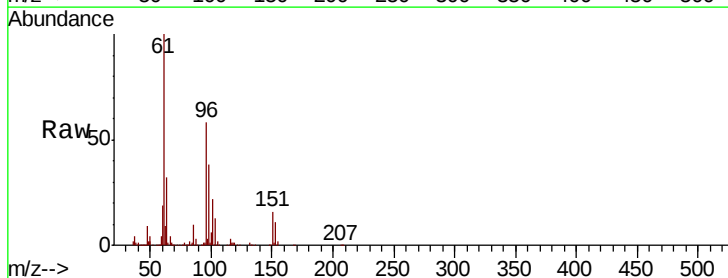


Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC

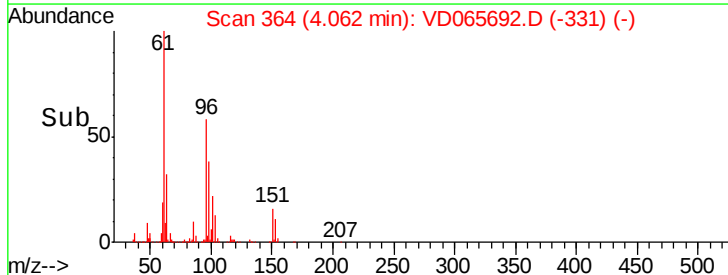
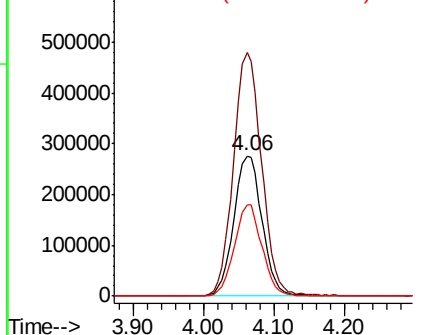


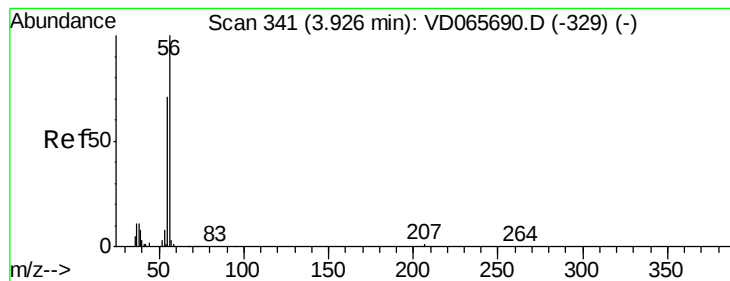
#12
1,1-Dichloroethene
Concen: 144.586 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

Tgt Ion: 96 Resp: 770760
Ion Ratio Lower Upper
96 100
61 173.5 140.4 210.6
98 65.4 53.4 80.2



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 769.100 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

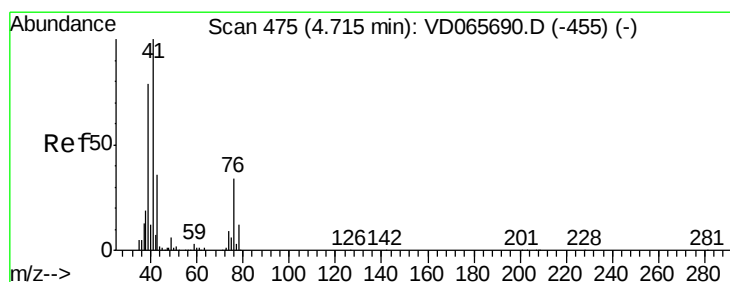
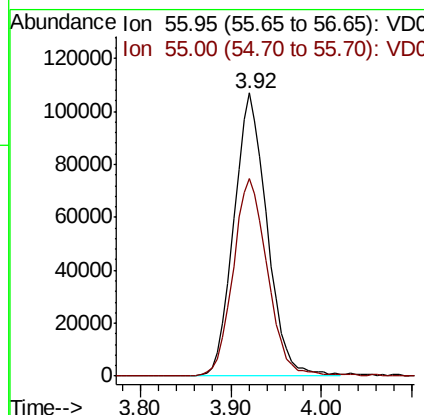
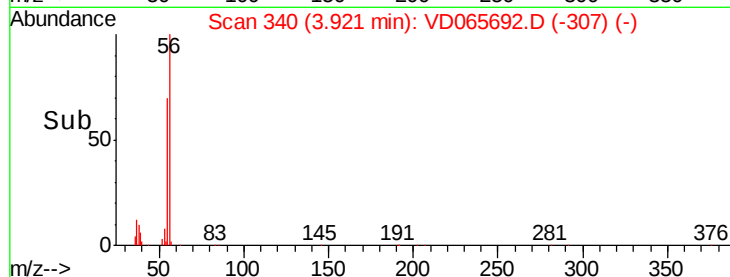
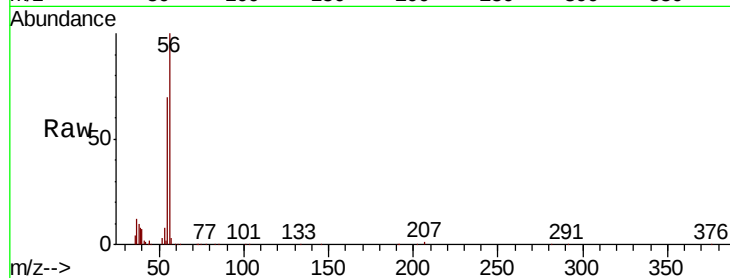
ClientSampleId :

Tot Ion: 56 Resp: 271713

Ion Ratio Lower Upper

56 100

55 69.8 56.8 85.2



#14

Allyl chloride

Concen: 188.068 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

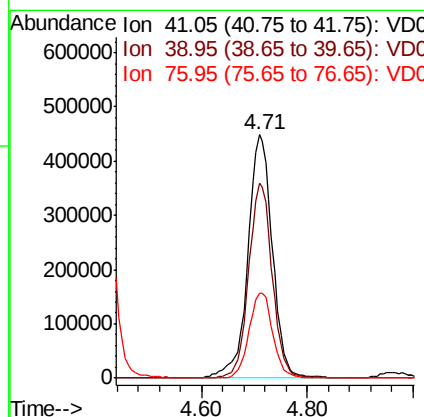
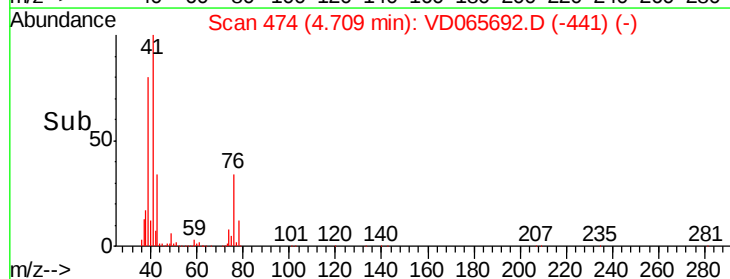
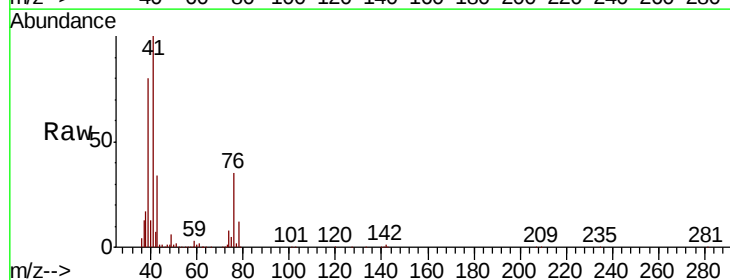
Tgt Ion: 41 Resp: 1437735

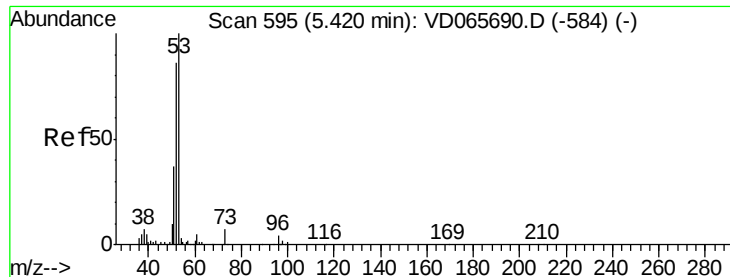
Ion Ratio Lower Upper

41 100

39 80.2 63.6 95.4

76 35.1 27.4 41.0





#15

Acrylonitrile

Concen: 989.862 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

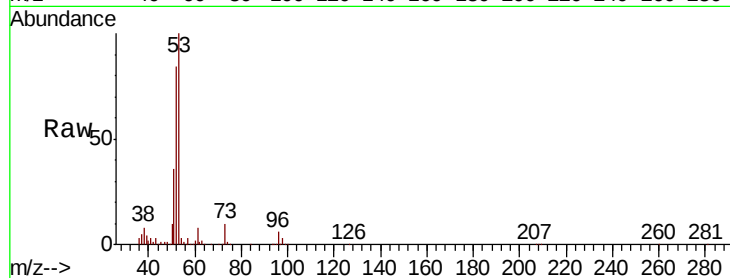
Tot Ion: 53 Resp: 956680

Ion Ratio Lower Upper

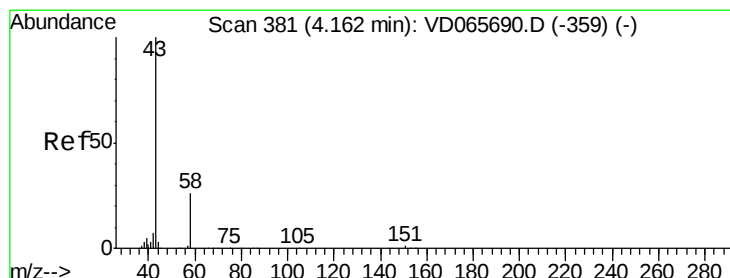
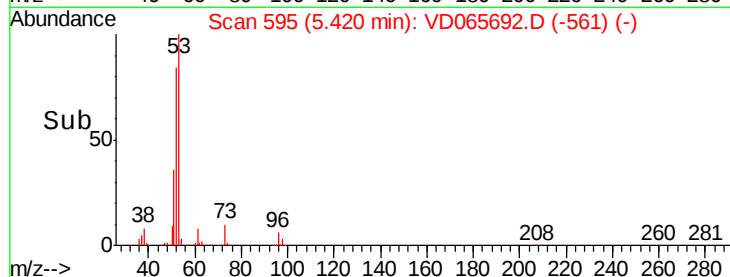
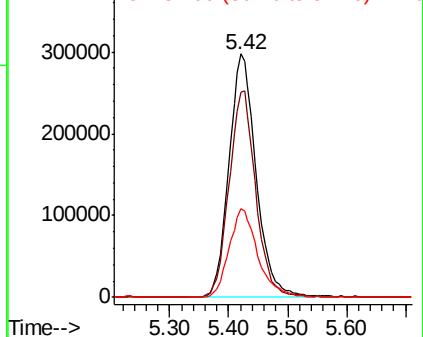
53 100

52 84.2 69.3 103.9

51 36.5 29.8 44.6



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: 673.736 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD065692.D

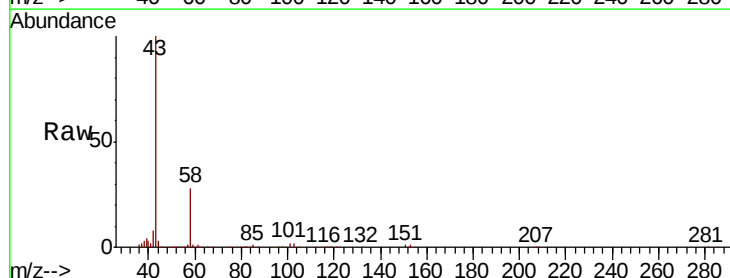
Acq: 01 May 2020 20:08

Tgt Ion: 43 Resp: 811817

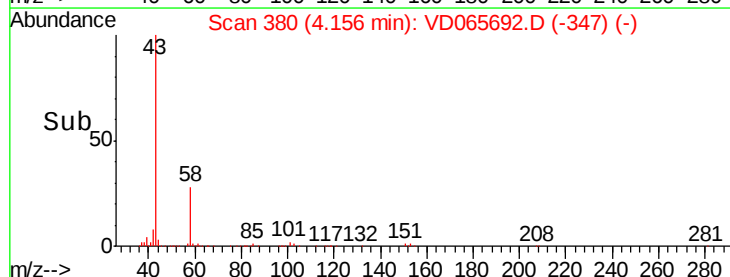
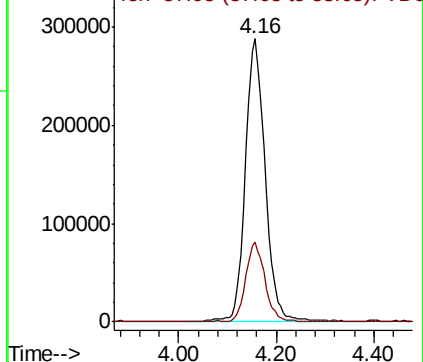
Ion Ratio Lower Upper

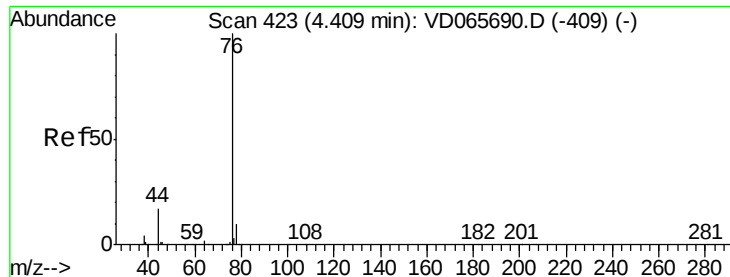
43 100

58 28.3 21.0 31.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

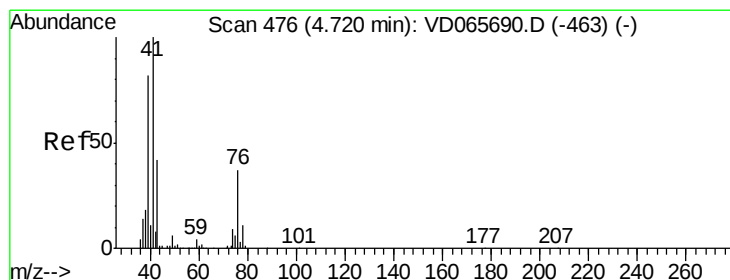
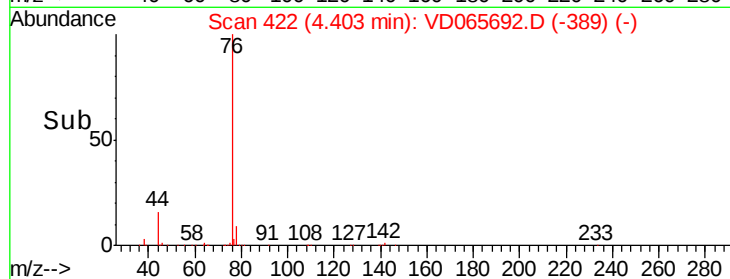
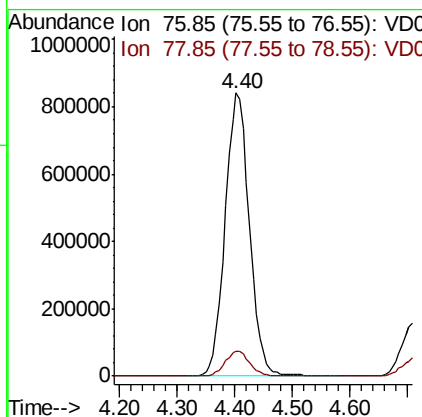
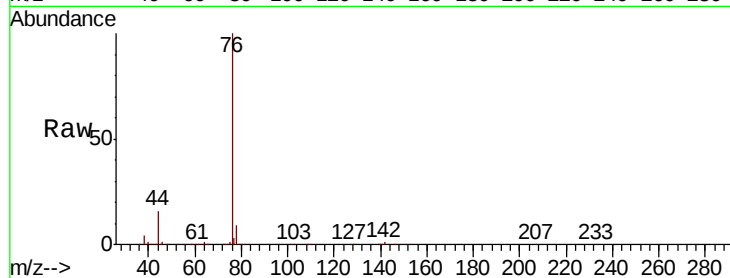




#17
Carbon Disulfide
Concen: 155.197 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

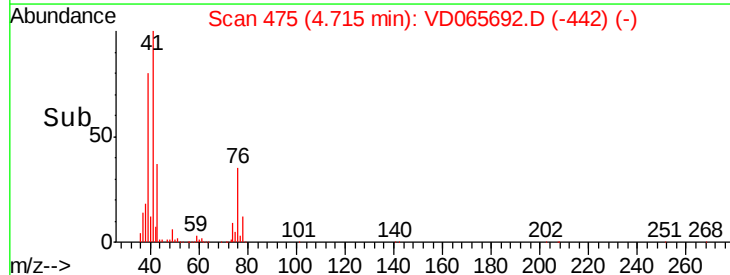
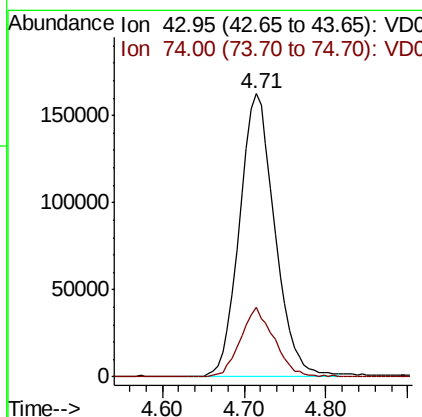
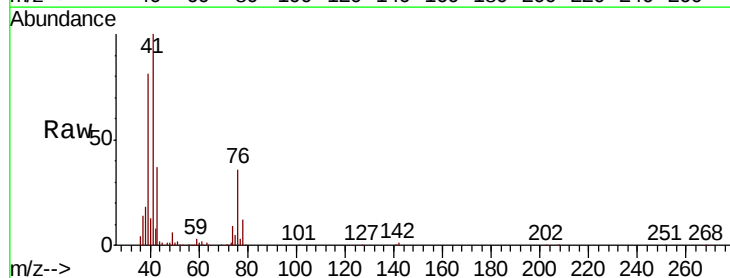
Instrument :
MSVOA_D
ClientSampleId :

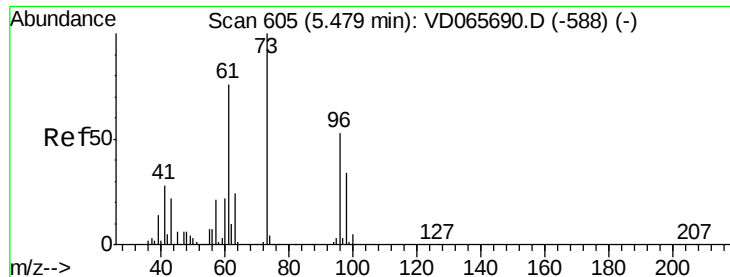
Tot Ion: 76 Resp: 2438594
Ion Ratio Lower Upper
76 100
78 8.8 7.8 11.6



#18
Methyl Acetate
Concen: 183.111 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

Tgt Ion: 43 Resp: 489612
Ion Ratio Lower Upper
43 100
74 24.8 16.9 25.3





#19

Methyl tert-butyl Ether
 Concen: 178.261 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD065692.D
 Acq: 01 May 2020 20:08

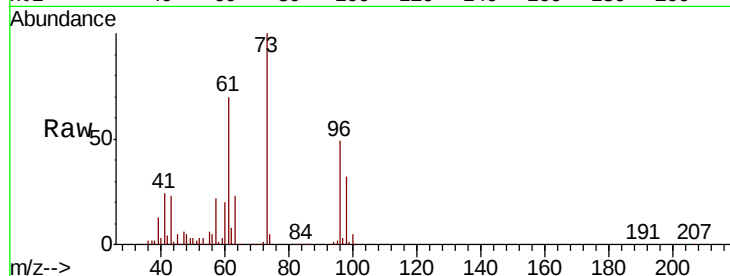
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 73 Resp: 1947265

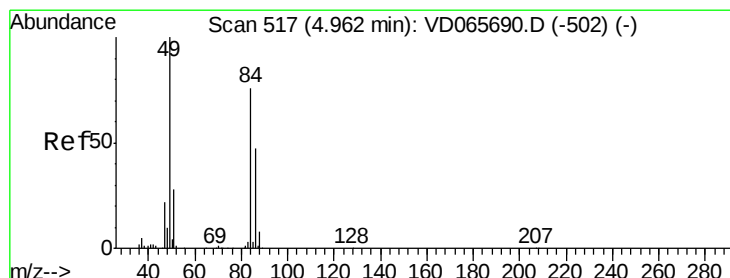
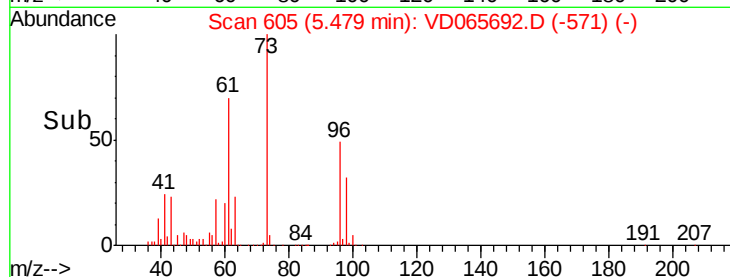
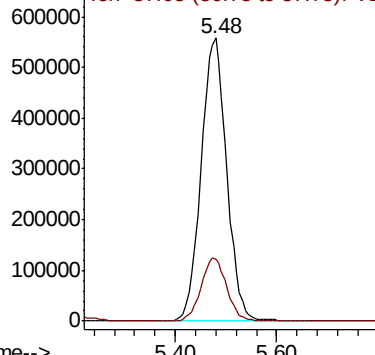
Ion Ratio Lower Upper

73 100

57 21.7 16.8 25.2



Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



#20

Methylene Chloride
 Concen: 130.683 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD065692.D
 Acq: 01 May 2020 20:08

Tgt Ion: 84 Resp: 904358

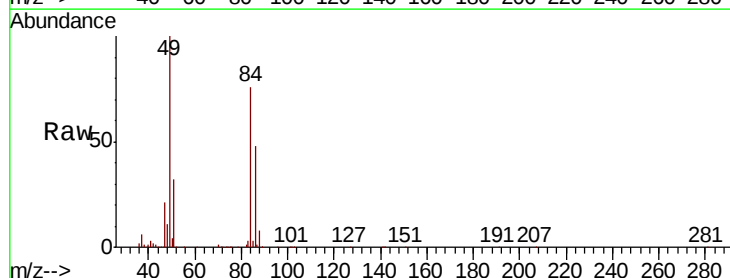
Ion Ratio Lower Upper

84 100

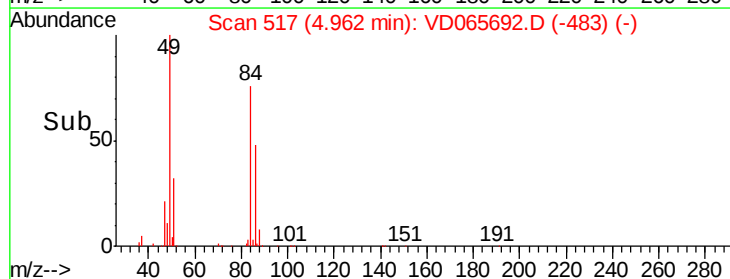
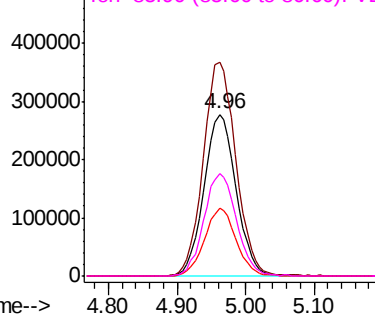
49 132.3 105.8 158.6

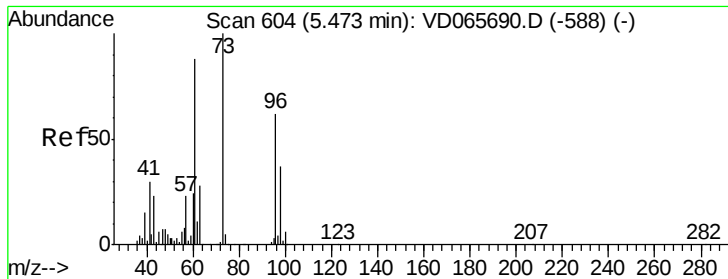
51 42.3 29.4 44.2

86 63.4 50.0 75.0



Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 152.782 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :
MSVOA_D
ClientSampled :

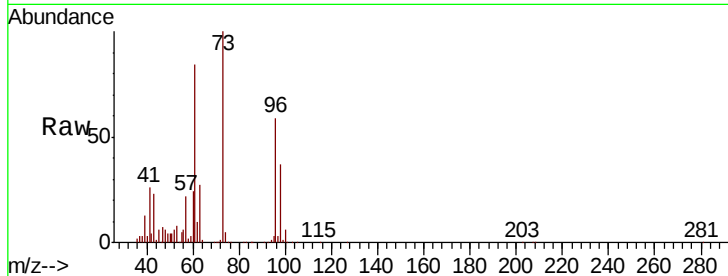
Tot Ion: 96 Resp: 940405

Ion Ratio Lower Upper

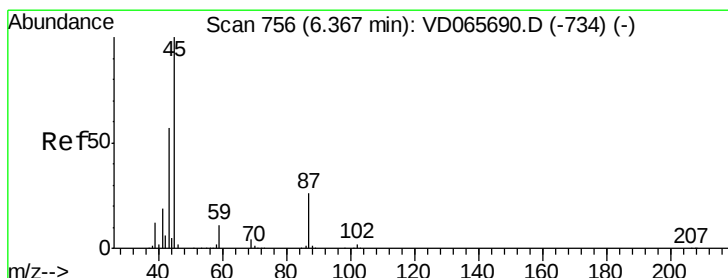
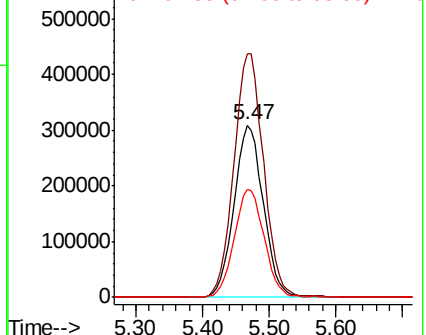
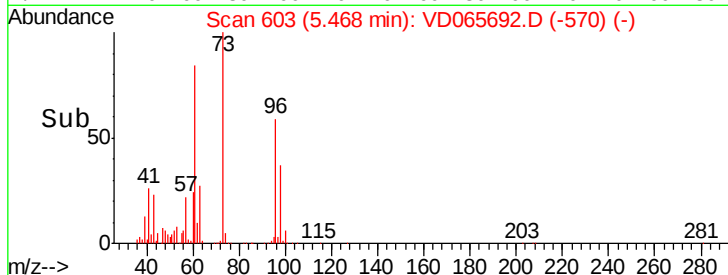
96 100

61 141.5 114.8 172.2

98 62.7 47.9 71.9



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 167.116 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Tgt Ion: 45 Resp: 2915769

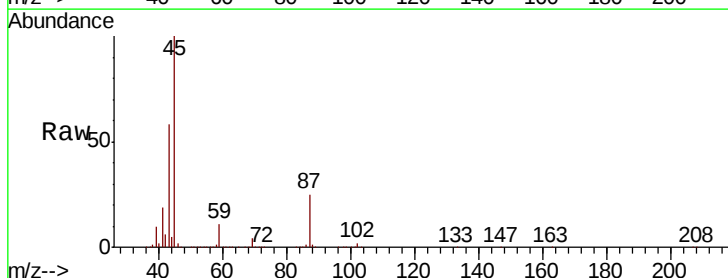
Ion Ratio Lower Upper

45 100

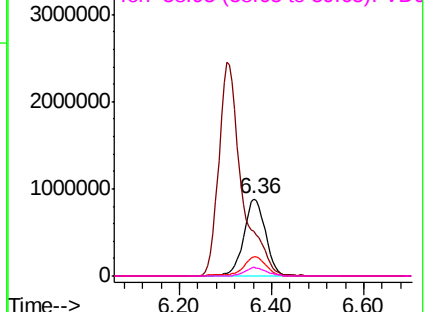
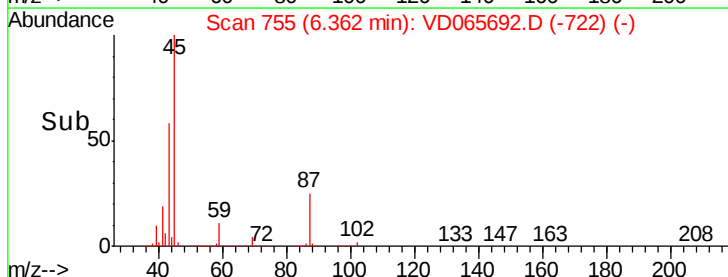
43 58.3 45.8 68.6

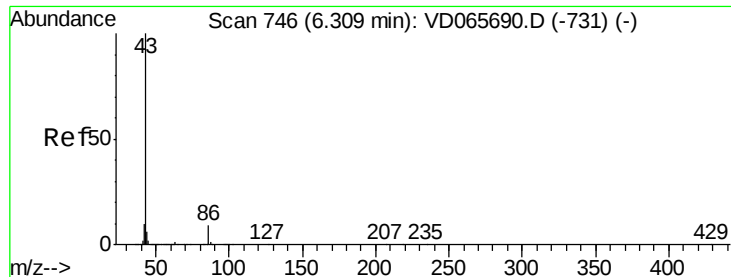
87 25.3 20.6 31.0

59 11.5 9.2 13.8



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 921.560 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

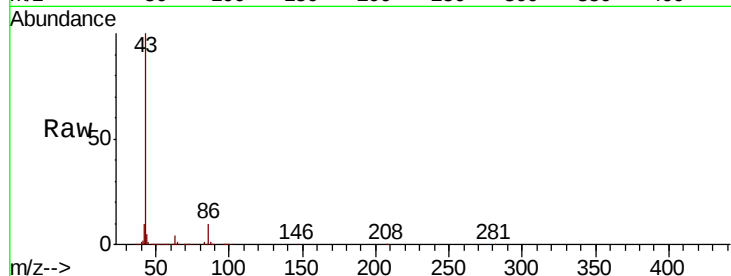
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 8496916

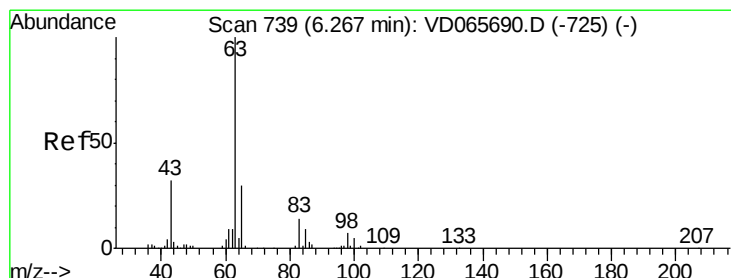
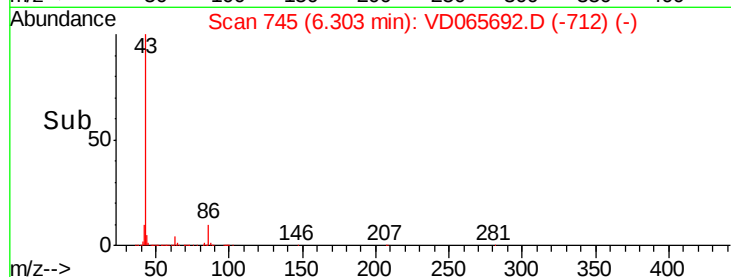
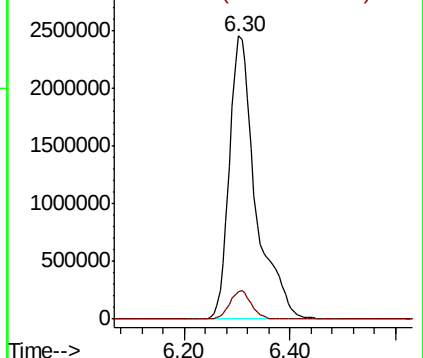
Ion Ratio Lower Upper

43 100

86 9.7 7.4 11.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 156.492 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

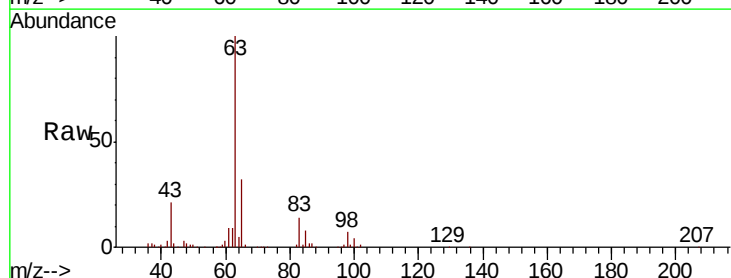
Tgt Ion: 63 Resp: 1651119

Ion Ratio Lower Upper

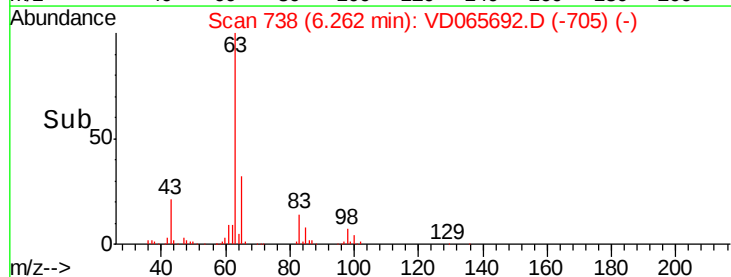
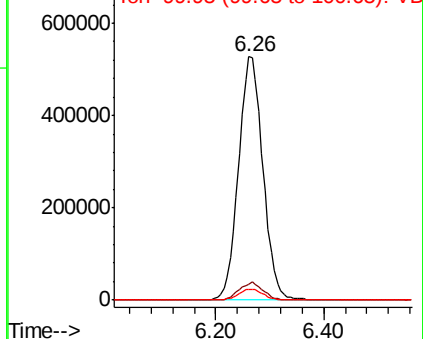
63 100

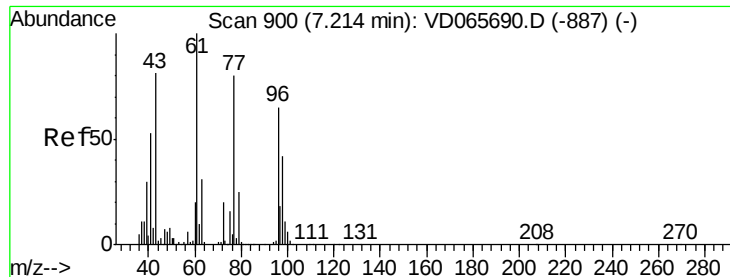
98 6.7 3.4 10.1

100 4.5 2.3 6.9



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 820.844 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

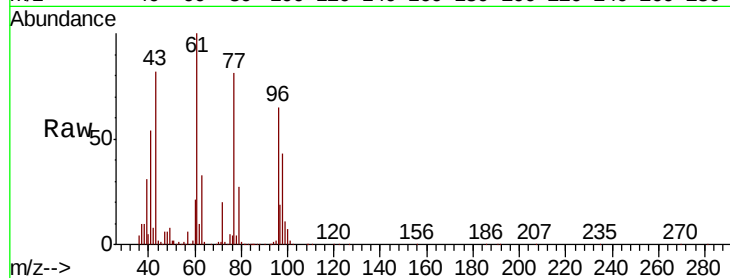
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1249336

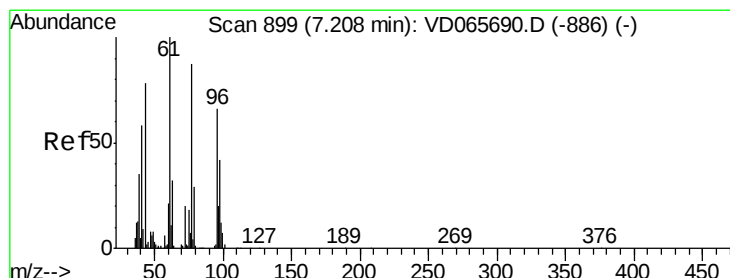
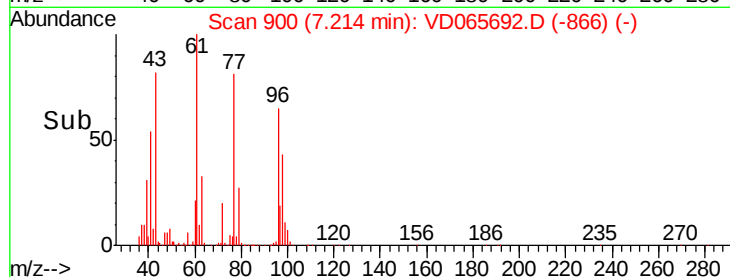
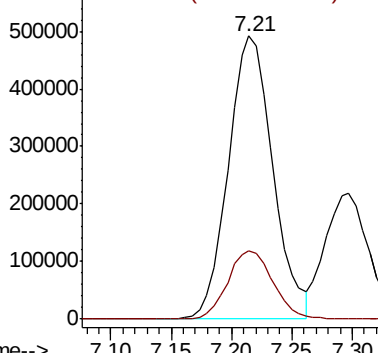
Ion Ratio Lower Upper

43 100

72 24.1 19.2 28.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 158.990 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065692.D

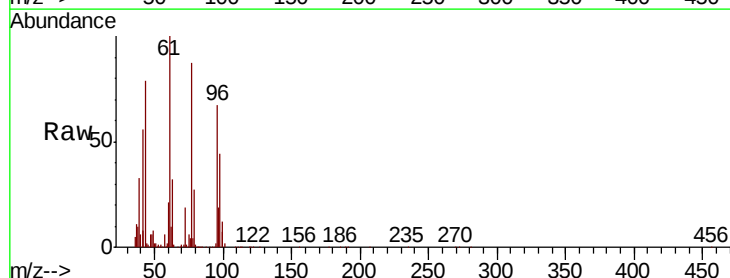
Acq: 01 May 2020 20:08

Tgt Ion: 77 Resp: 1456170

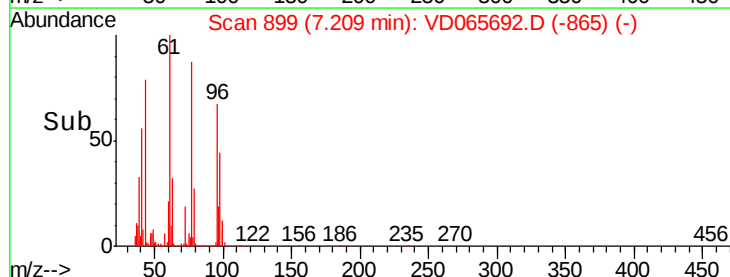
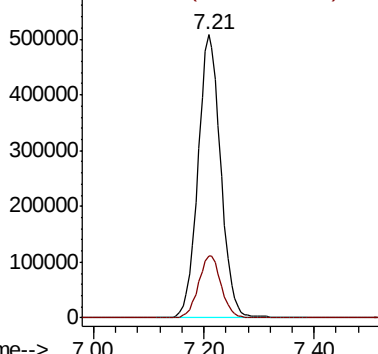
Ion Ratio Lower Upper

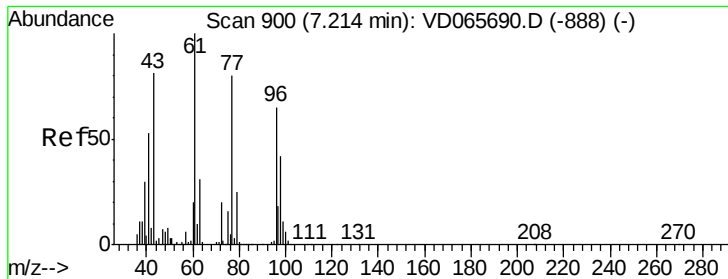
77 100

97 21.7 11.7 35.1



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



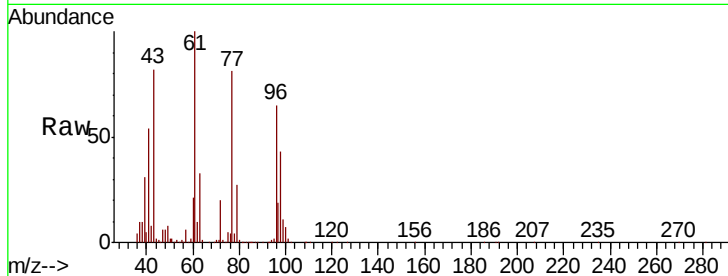


#27

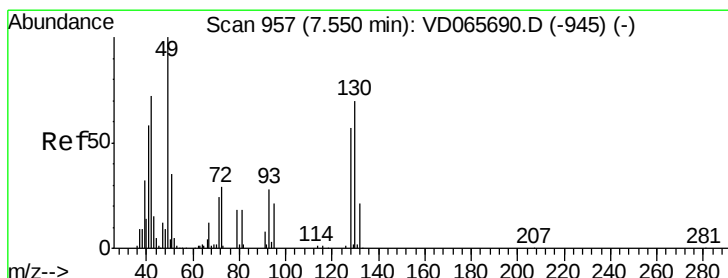
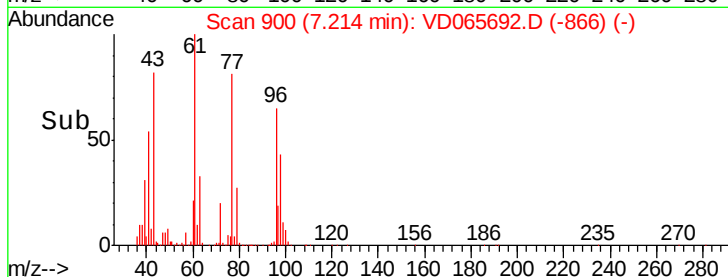
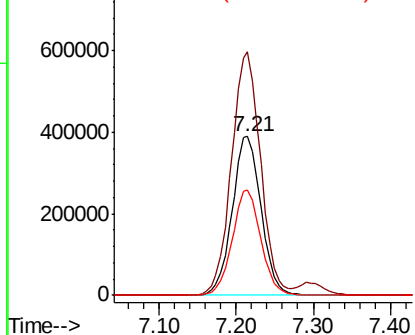
cis-1,2-Dichloroethene
 Concen: 146.834 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065692.D
 Acq: 01 May 2020 20:08

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 96 Resp: 1026659
 Ion Ratio Lower Upper
 96 100
 61 153.3 0.0 307.2
 98 66.5 0.0 128.8



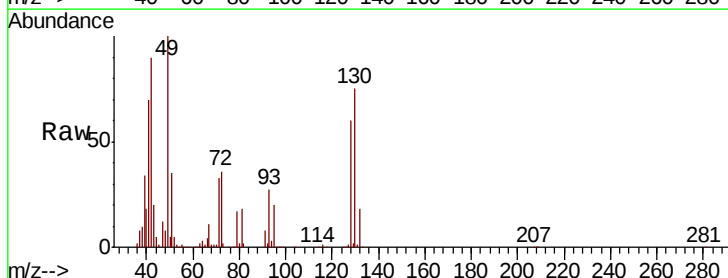
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



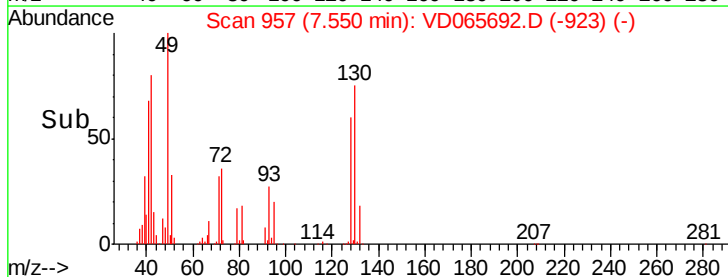
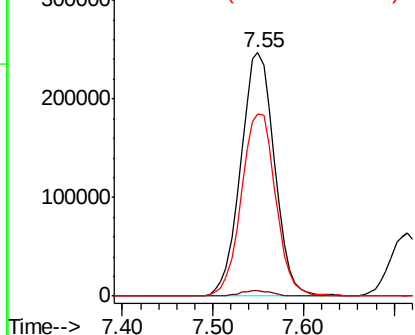
#28

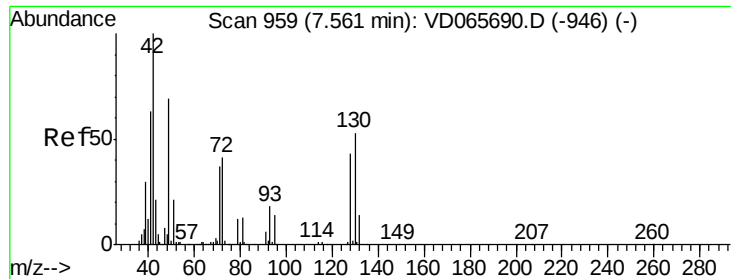
Bromochloromethane
 Concen: 156.827 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065692.D
 Acq: 01 May 2020 20:08

Tgt Ion: 49 Resp: 639436
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 4.8
 130 74.7 55.8 83.6



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

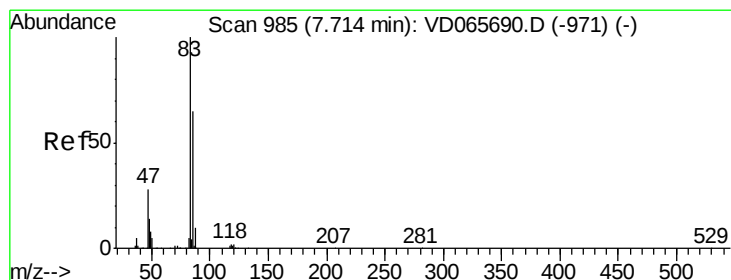
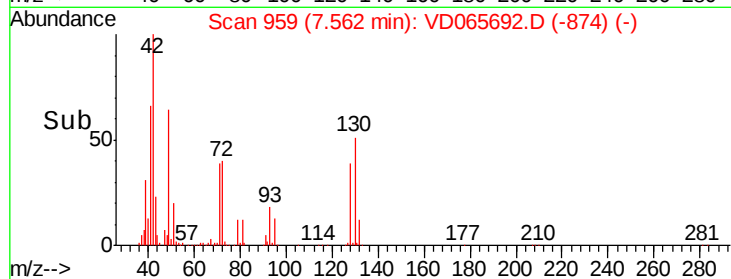
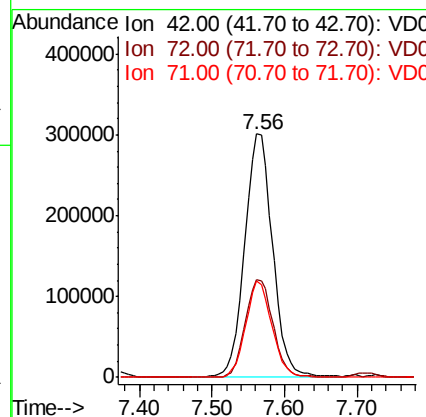
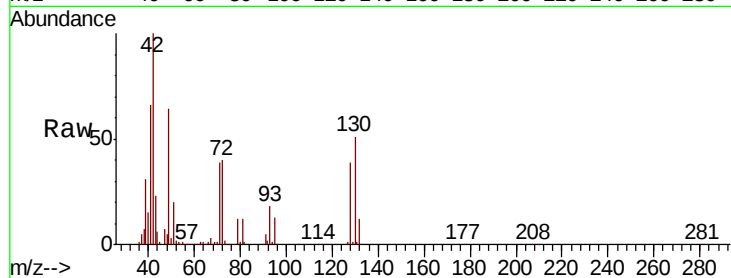




#29
Tetrahydrofuran
Concen: 1023.417 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

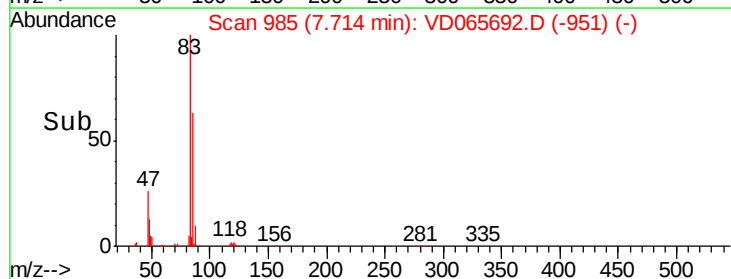
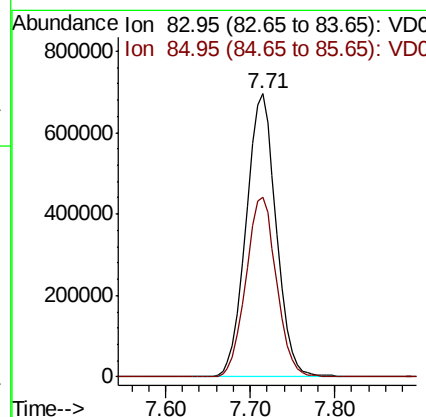
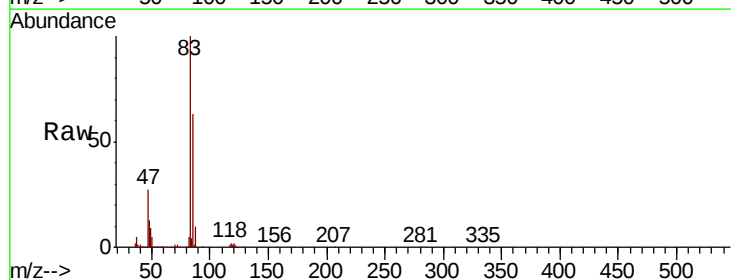
Instrument :
MSVOA_D
ClientSampleId :

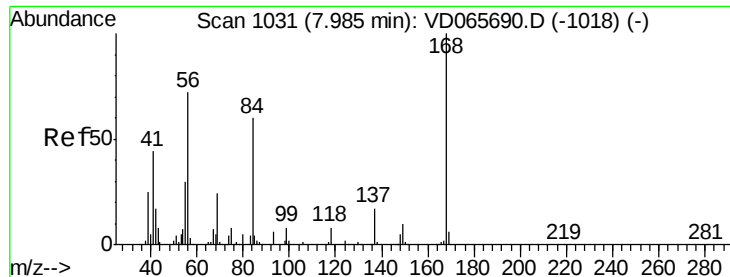
Tot Ion: 42 Resp: 804250
Ion Ratio Lower Upper
42 100
72 40.0 32.2 48.2
71 37.1 29.7 44.5



#30
Chloroform
Concen: 147.694 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

Tgt Ion: 83 Resp: 1719124
Ion Ratio Lower Upper
83 100
85 63.5 52.3 78.5

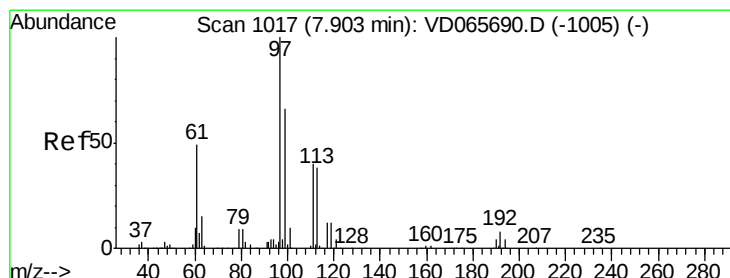
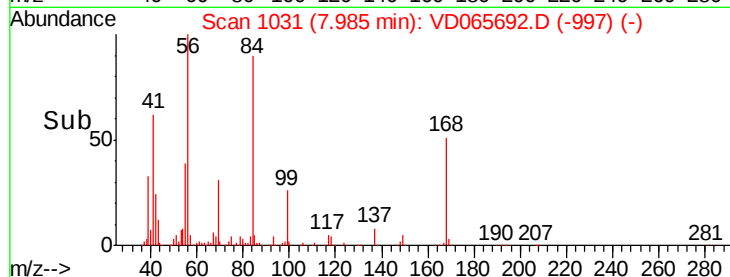
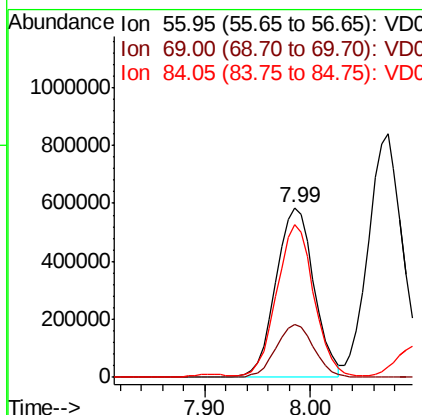
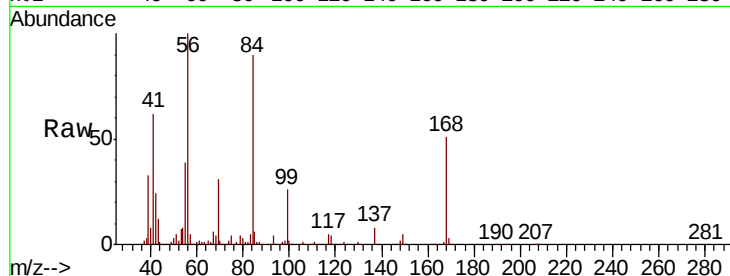




#31
Cyclohexane
Concen: 184.470 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

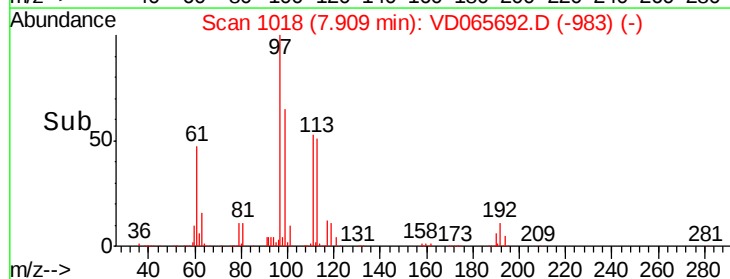
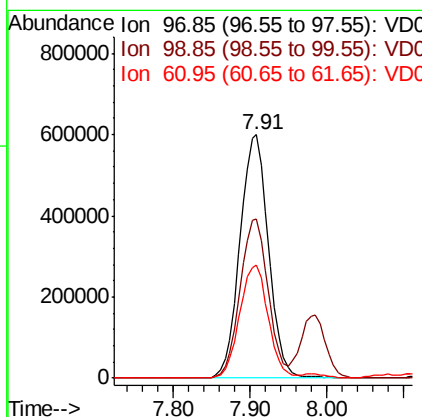
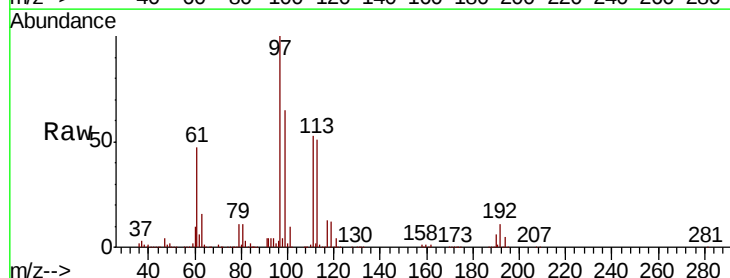
Instrument :
MSVOA_D
ClientSampleId :

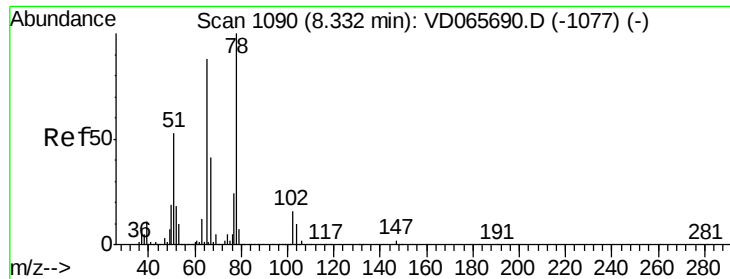
Tot Ion: 56 Resp: 1463149
Ion Ratio Lower Upper
56 100
69 31.5 26.2 39.4
84 89.9 67.8 101.8



#32
1,1,1-Trichloroethane
Concen: 153.888 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

Tgt Ion: 97 Resp: 1557449
Ion Ratio Lower Upper
97 100
99 65.1 52.9 79.3
61 46.5 39.0 58.4

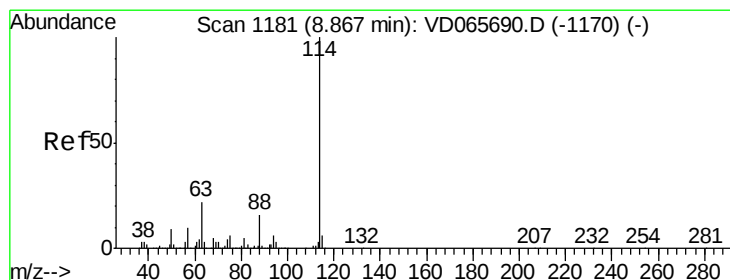
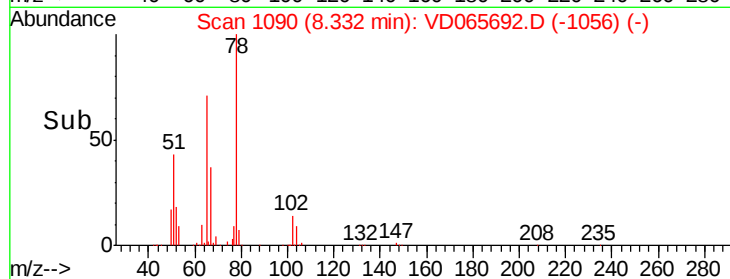
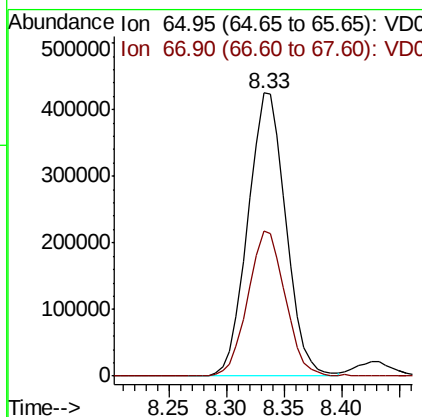
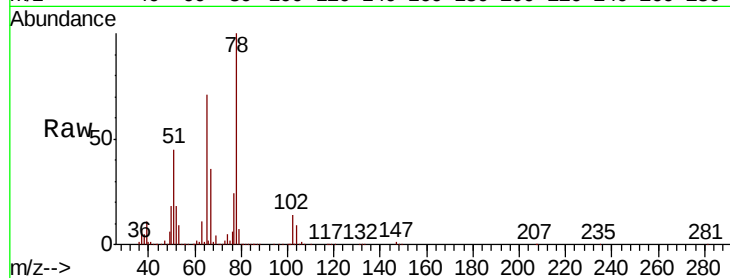




#33
 1,2-Dichloroethane-d4
 Concen: 177.512 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065692.D
 Acq: 01 May 2020 20:08

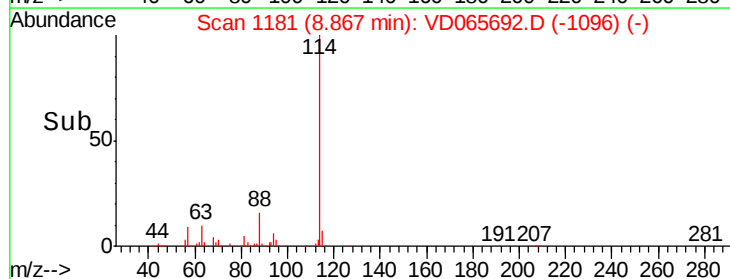
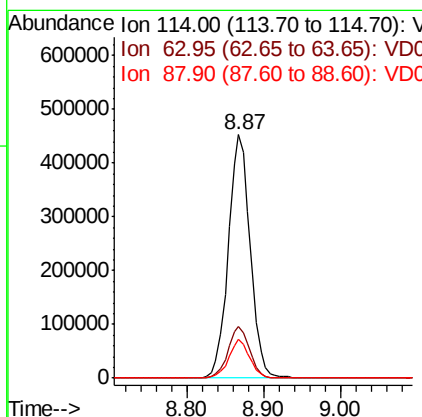
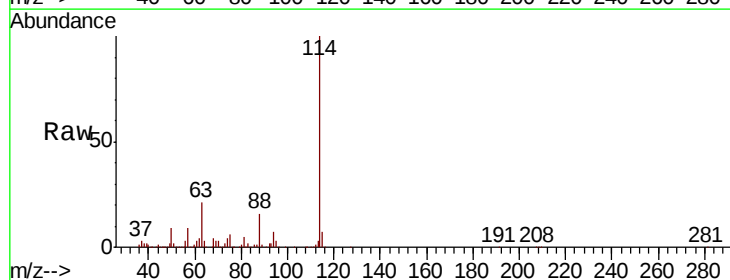
Instrument :
 MSVOA_D
 ClientSampleId :

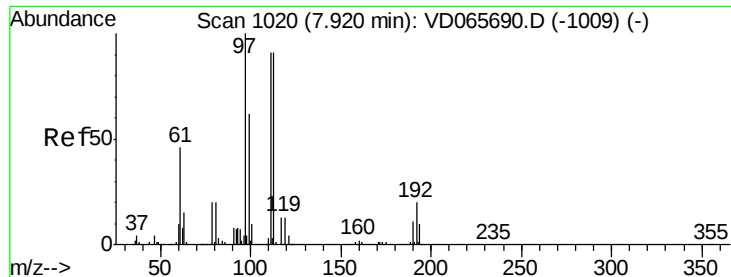
Tot Ion: 65 Resp: 973742
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 93.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065692.D
 Acq: 01 May 2020 20:08

Tgt Ion: 114 Resp: 898827
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 44.0
 88 15.7 0.0 31.8

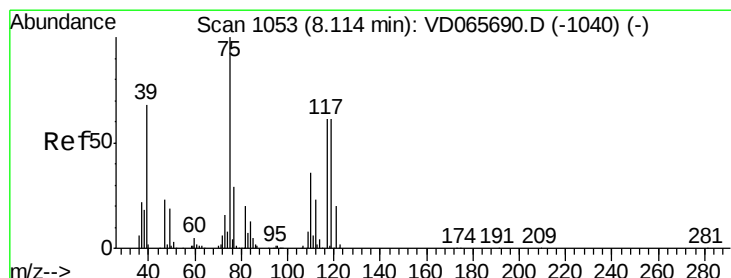
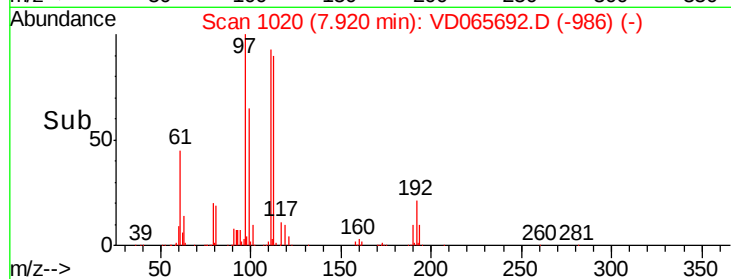
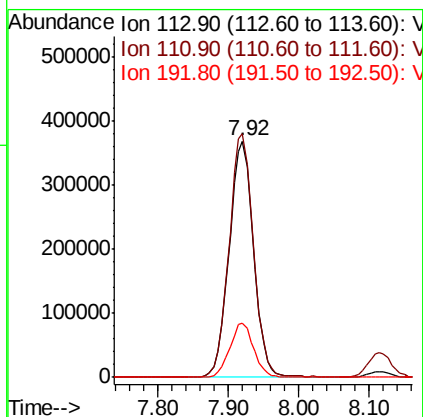
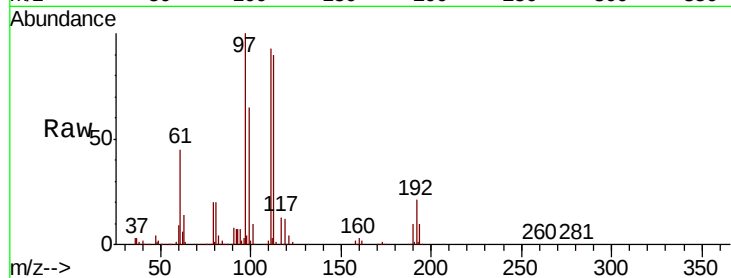




#35
Dibromofluoromethane
Concen: 141.529 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

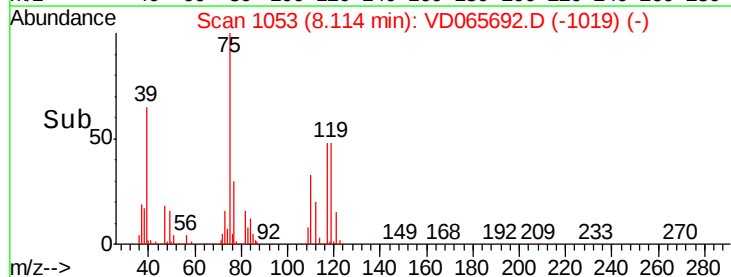
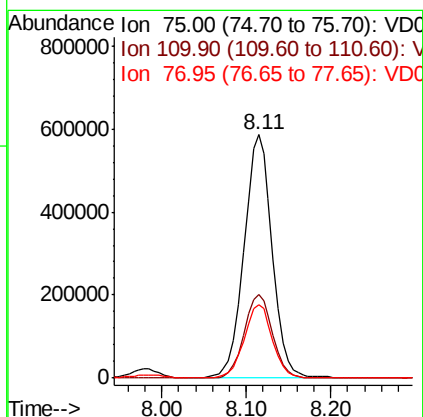
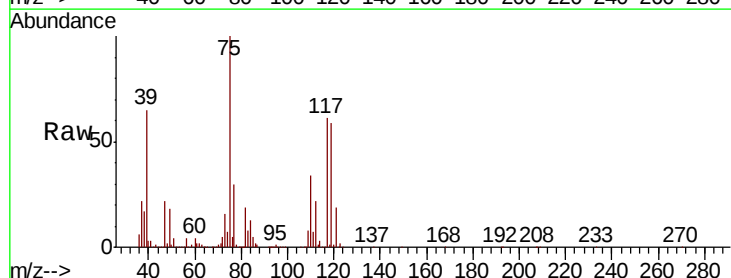
Instrument :
MSVOA_D
ClientSampleId :

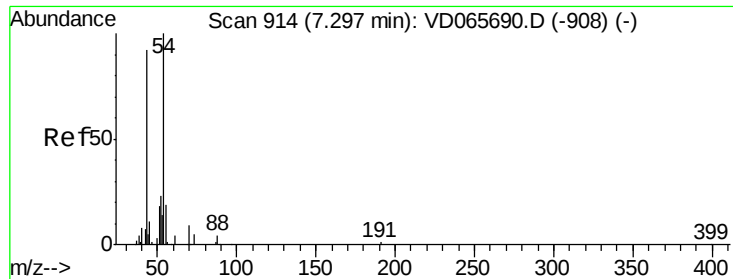
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	80.2	120.4
192	22.8	18.0	27.0



#36
1,1-Dichloropropene
Concen: 184.552 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.4	18.0	54.0
77	30.3	23.5	35.3

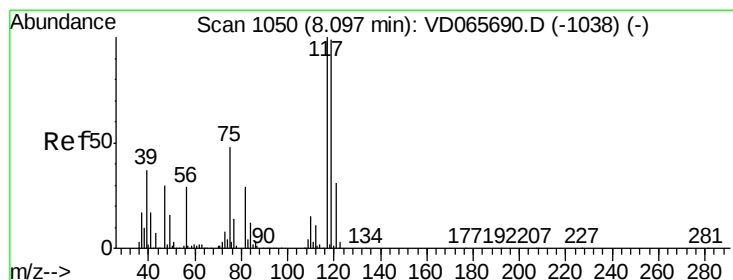
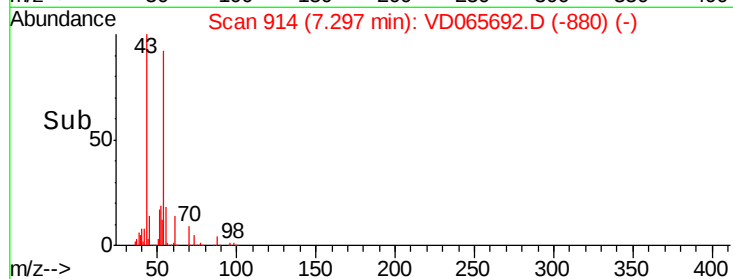
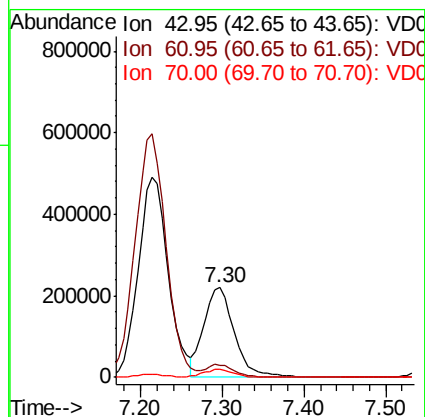
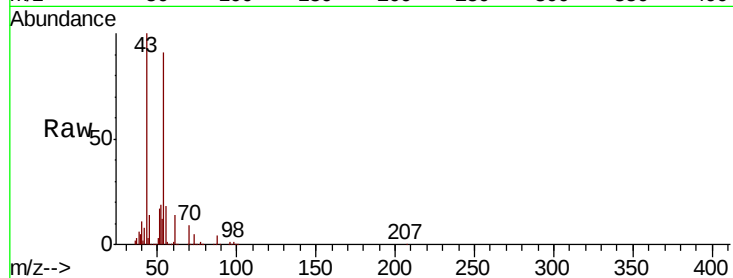




#37
Ethyl Acetate
Concen: 177.963 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

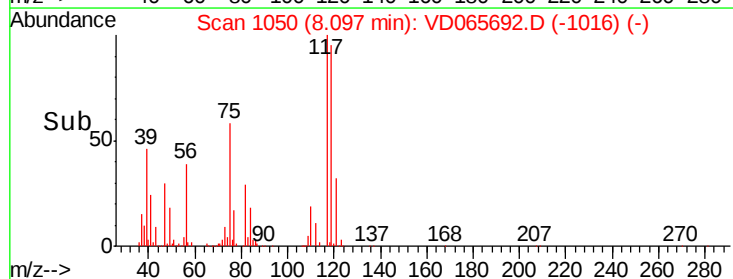
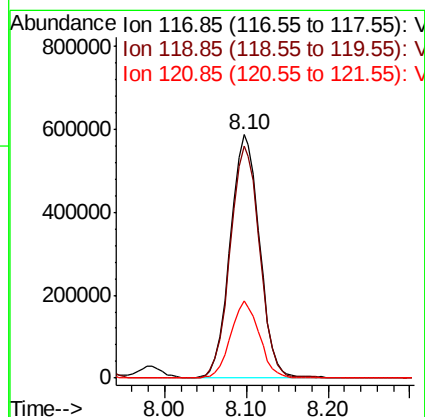
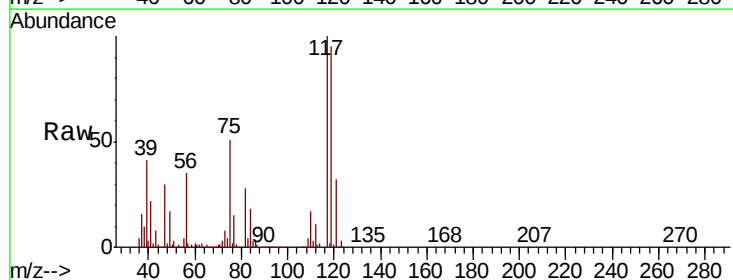
Instrument :
MSVOA_D
ClientSampleId :

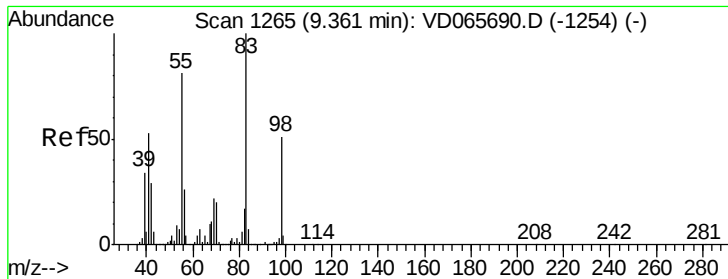
Tot Ion: 43 Resp: 565088
Ion Ratio Lower Upper
43 100
61 13.9 10.6 16.0
70 9.1 7.0 10.4



#38
Carbon Tetrachloride
Concen: 164.135 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

Tgt Ion: 117 Resp: 1461093
Ion Ratio Lower Upper
117 100
119 95.1 79.0 118.6
121 31.8 24.9 37.3

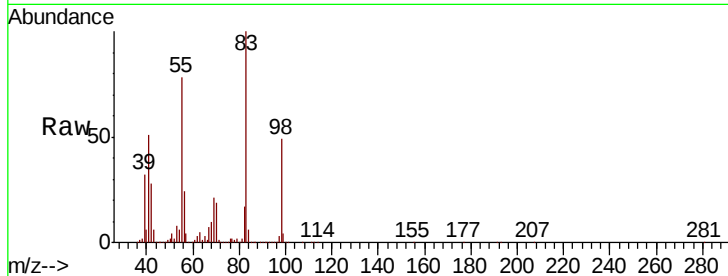




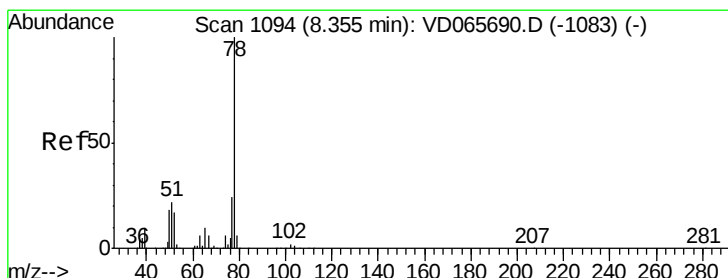
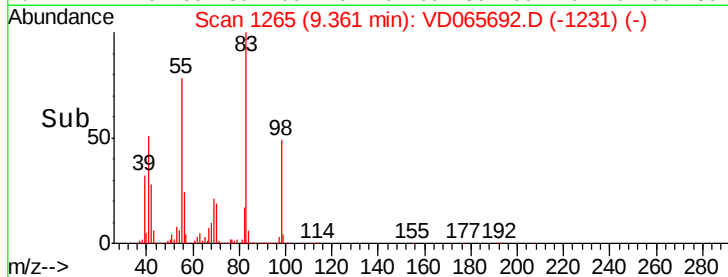
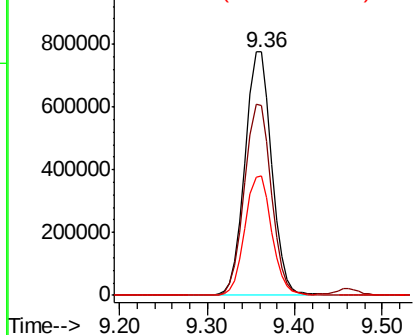
#39
Methvlcvclohexane
Concen: 215.547 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 1598104
Ion Ratio Lower Upper
83 100
55 78.0 65.0 97.4
98 49.1 41.2 61.8

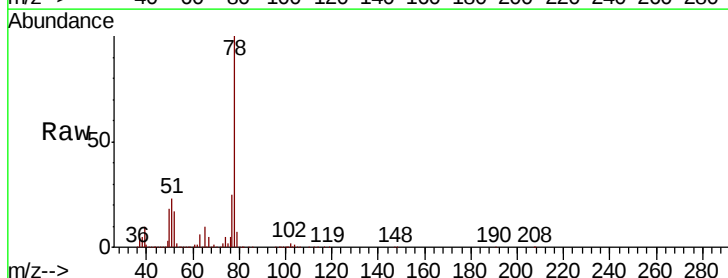


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

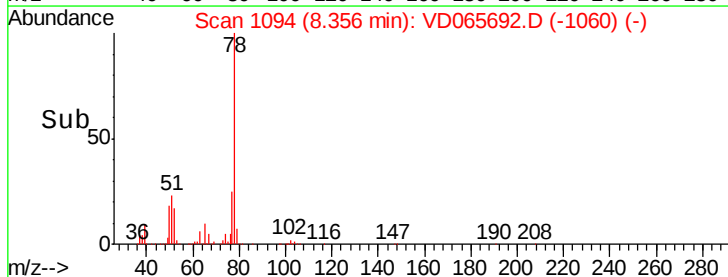
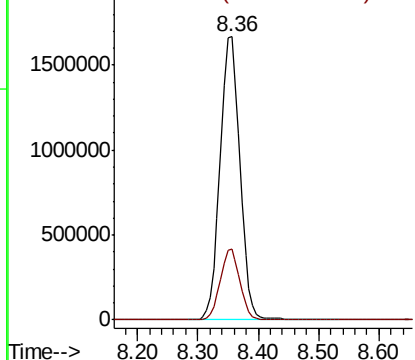


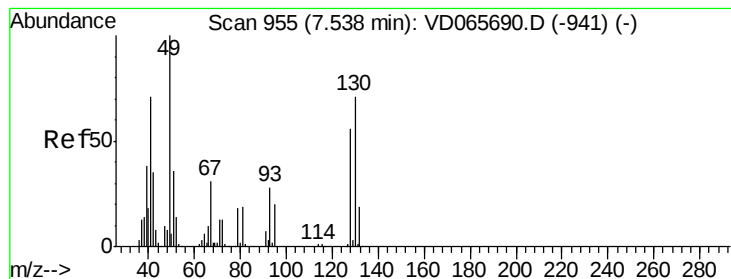
#40
Benzene
Concen: 205.612 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

Tgt Ion: 78 Resp: 3824686
Ion Ratio Lower Upper
78 100
77 25.0 19.2 28.8



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 248.790 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.02 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 813954

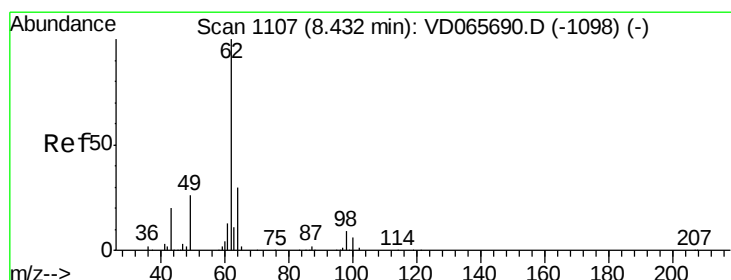
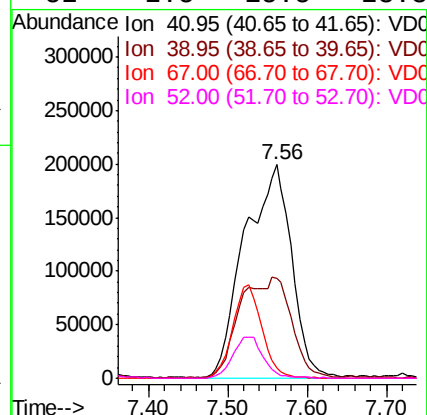
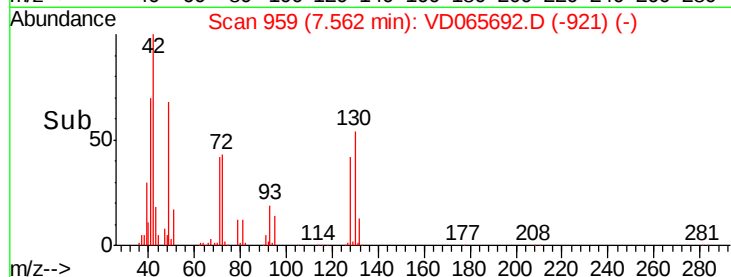
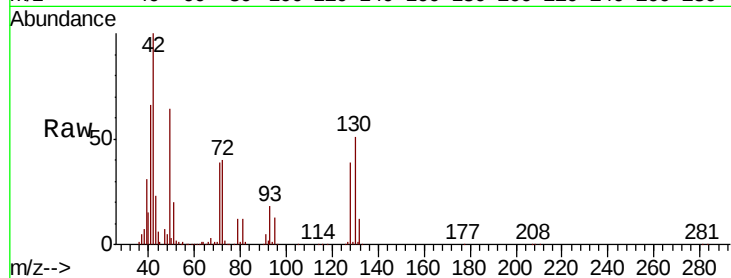
Ion Ratio Lower Upper

41 100

39 46.6 42.8 64.2

67 5.0 34.8 52.2#

52 2.5 15.5 23.3#



#42

1,2-Dichloroethane

Concen: 185.846 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065692.D

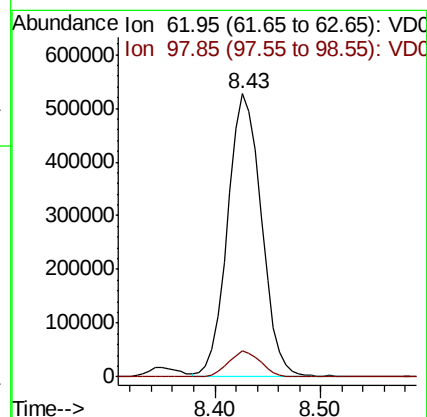
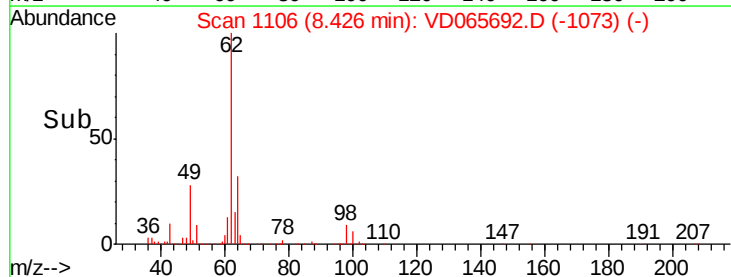
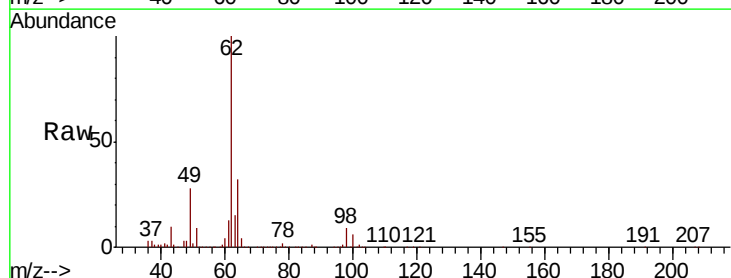
Acq: 01 May 2020 20:08

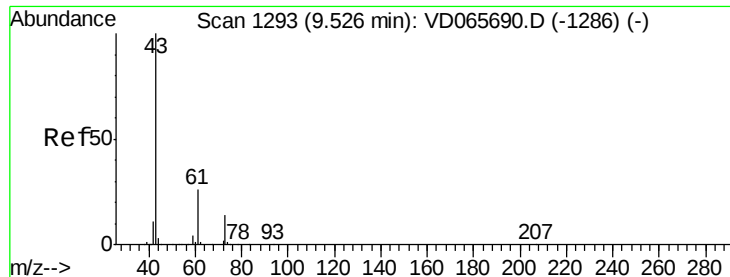
Tgt Ion: 62 Resp: 1163973

Ion Ratio Lower Upper

62 100

98 9.1 0.0 17.4





#43

Isopropyl Acetate

Concen: 181.011 ug/l

RT: 9.53 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

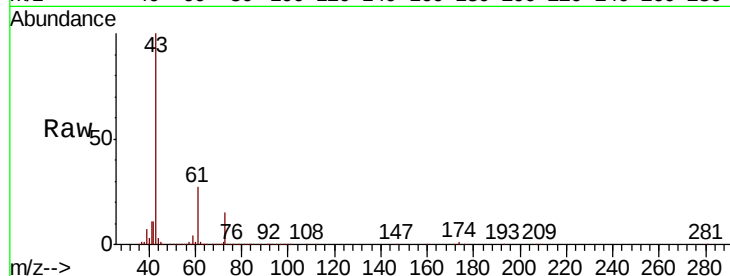
Tot Ion: 43 Resp: 818308

Ion Ratio Lower Upper

43 100

61 27.1 20.5 30.7

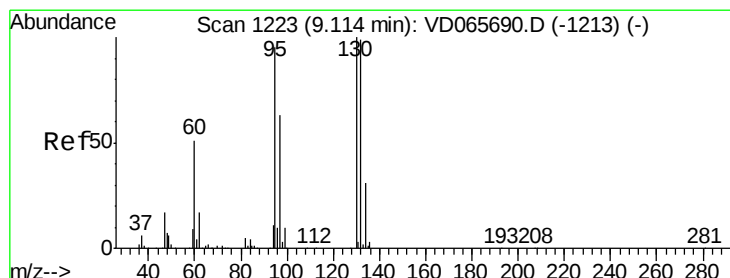
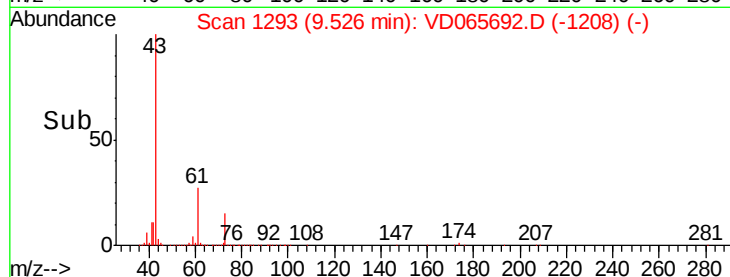
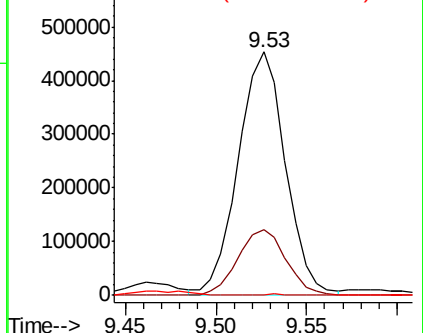
87 0.4 0.3 0.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 153.106 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065692.D

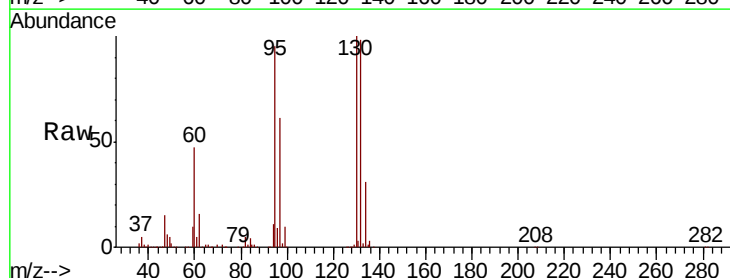
Acq: 01 May 2020 20:08

Tgt Ion:130 Resp: 1027564

Ion Ratio Lower Upper

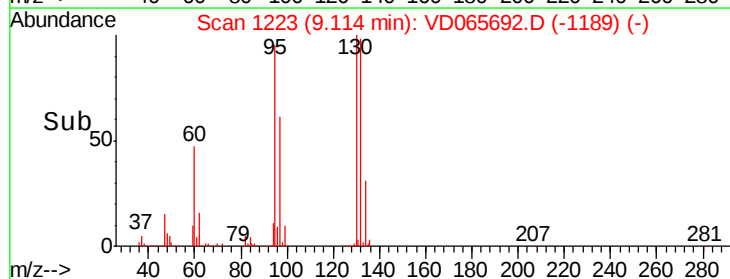
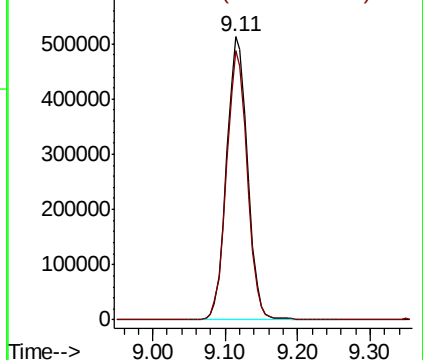
130 100

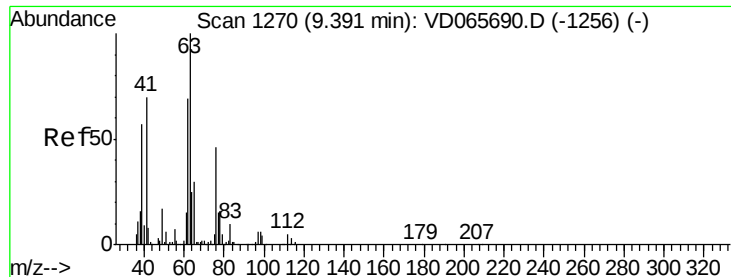
95 95.0 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

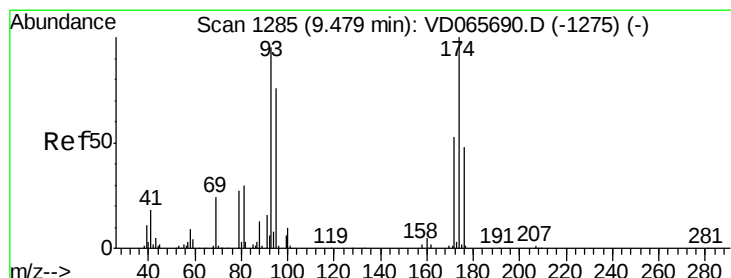
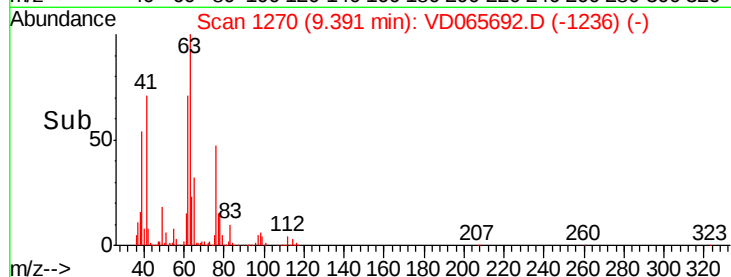
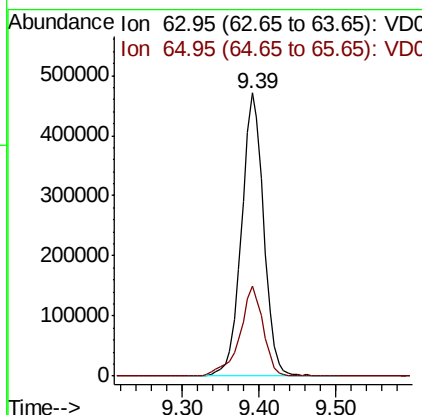
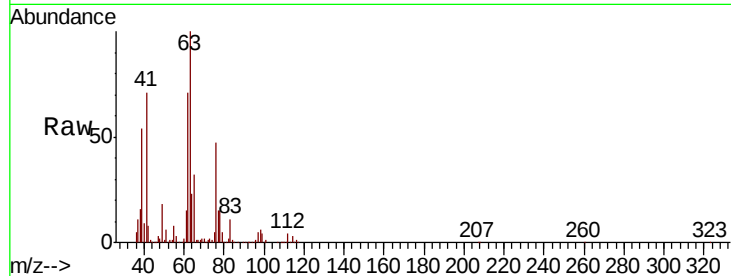




#45
 1,2-Dichloropropane
 Concen: 201.052 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065692.D
 Acq: 01 May 2020 20:08

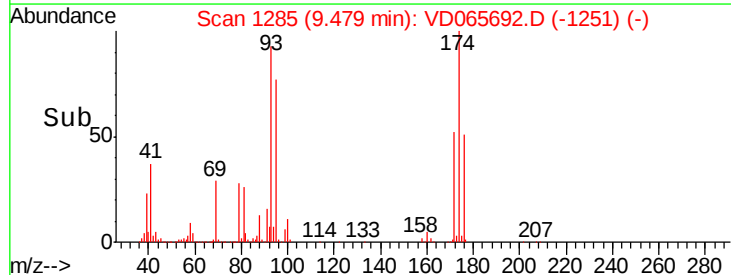
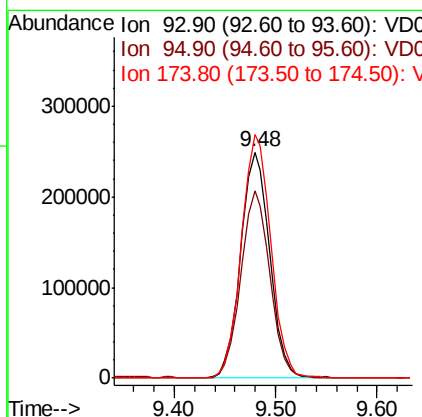
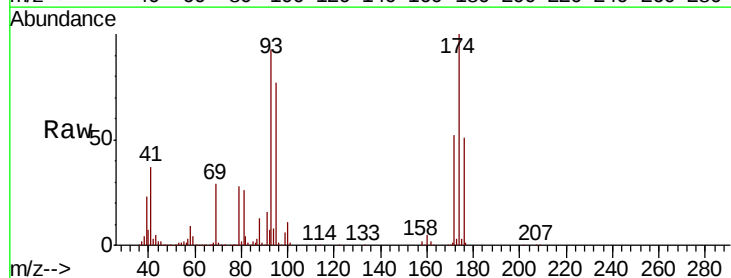
Instrument :
 MSVOA_D
 ClientSampleId :

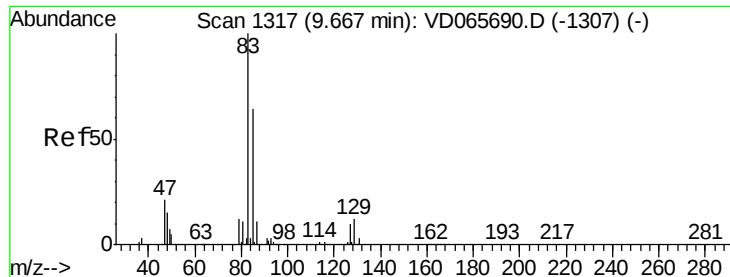
Tot Ion: 63 Resp: 951198
 Ion Ratio Lower Upper
 63 100
 65 31.8 23.8 35.8



#46
 Dibromomethane
 Concen: 155.112 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065692.D
 Acq: 01 May 2020 20:08

Tgt Ion: 93 Resp: 496921
 Ion Ratio Lower Upper
 93 100
 95 82.9 63.9 95.9
 174 107.8 84.3 126.5





#47

Bromodichloromethane

Concen: 174.400 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

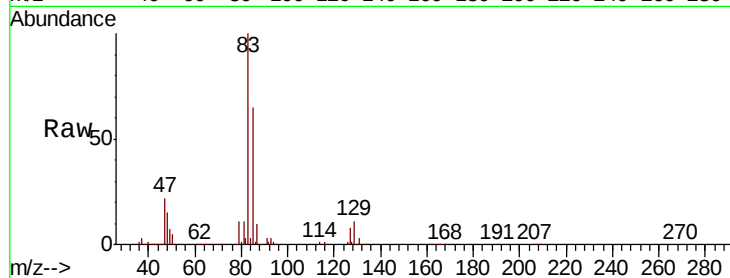
Tot Ion: 83 Resp: 1357205

Ion Ratio Lower Upper

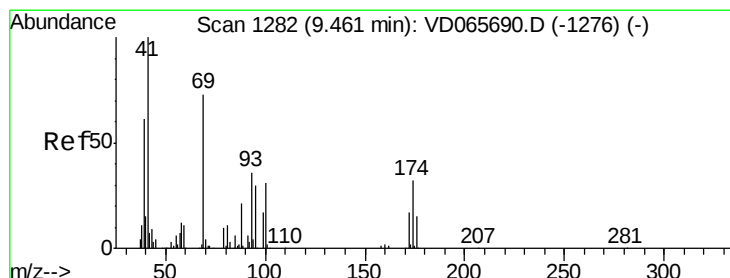
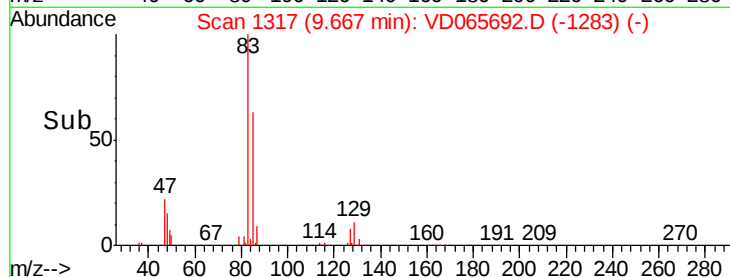
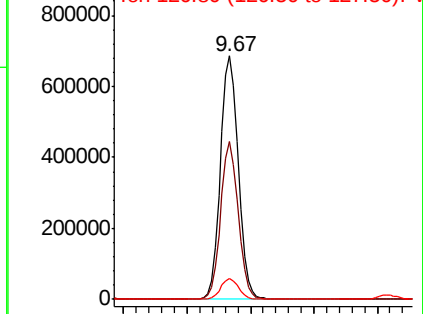
83 100

85 64.7 51.6 77.4

127 8.4 7.8 11.6



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 199.834 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

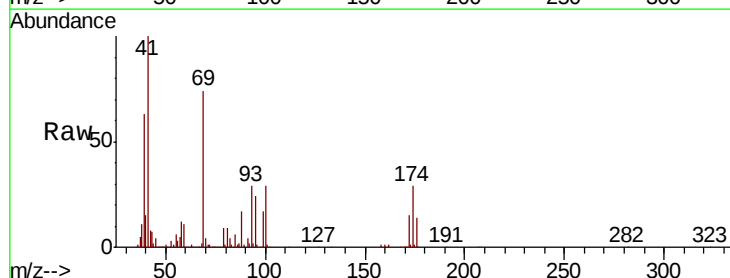
Tgt Ion: 41 Resp: 545989

Ion Ratio Lower Upper

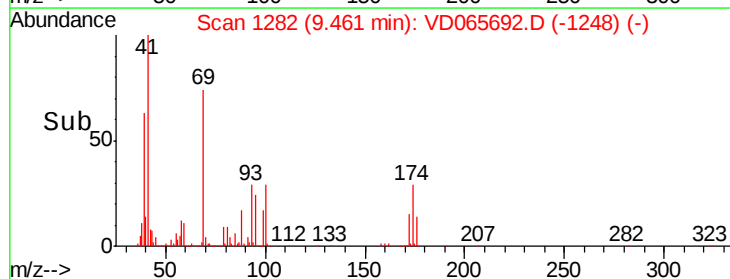
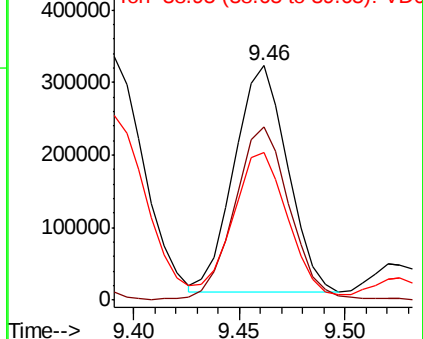
41 100

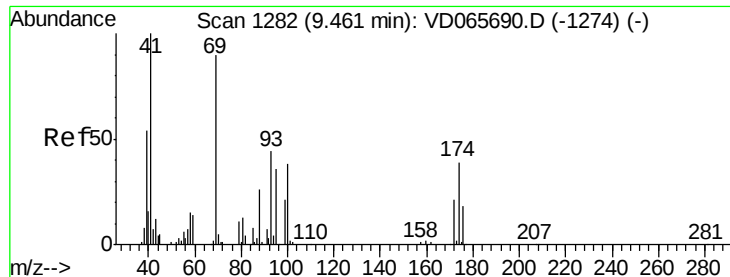
69 73.9 54.9 82.3

39 63.0 49.7 74.5



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 4130.817 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

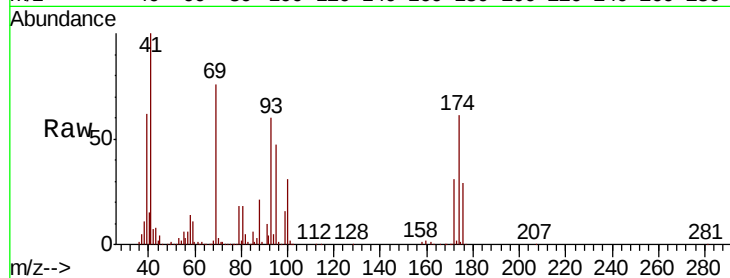
Tot Ion: 88 Resp: 118892

Ion Ratio Lower Upper

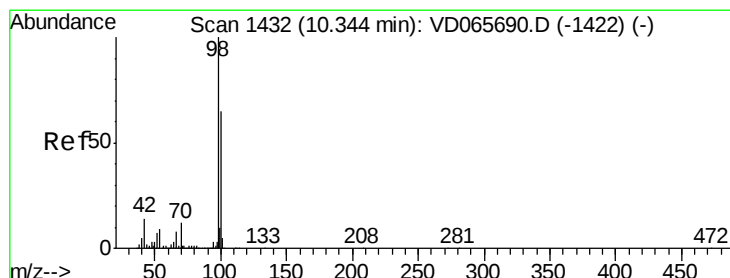
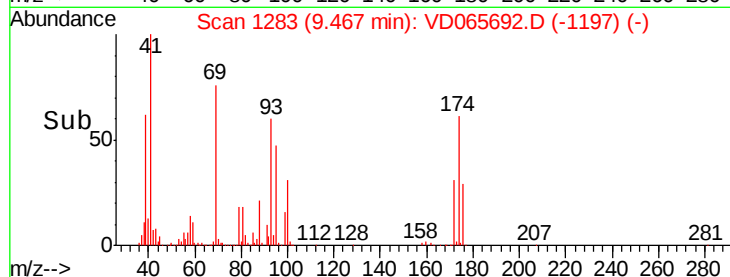
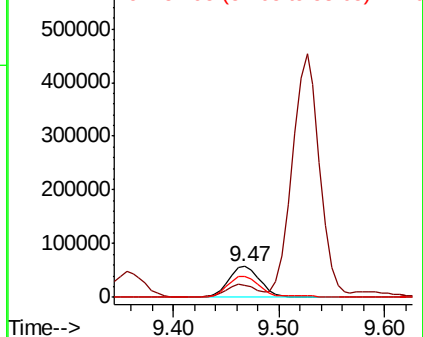
88 100

43 38.9 36.7 55.1

58 67.8 47.0 70.4



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 215.972 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065692.D

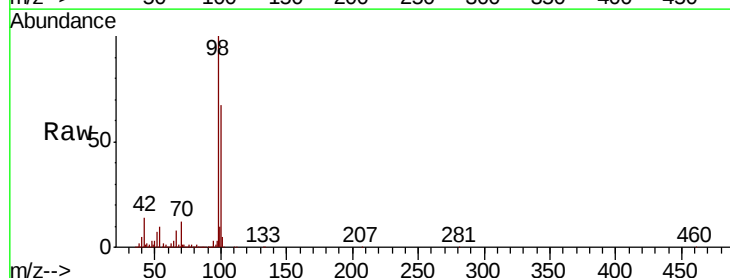
Acq: 01 May 2020 20:08

Tgt Ion: 98 Resp: 3533805

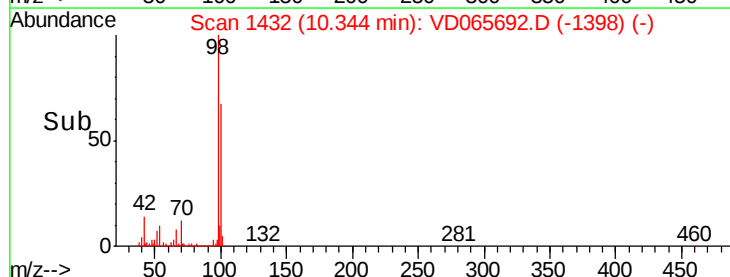
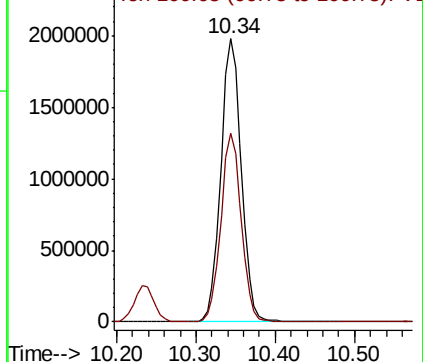
Ion Ratio Lower Upper

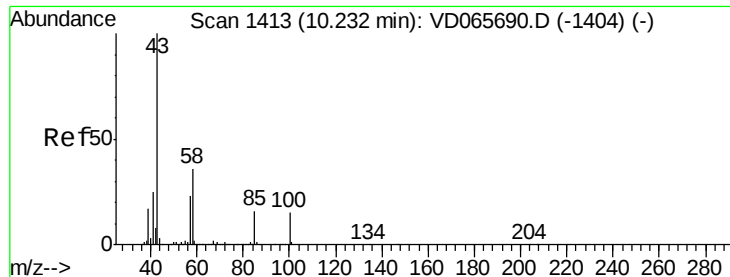
98 100

100 66.7 51.9 77.9



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

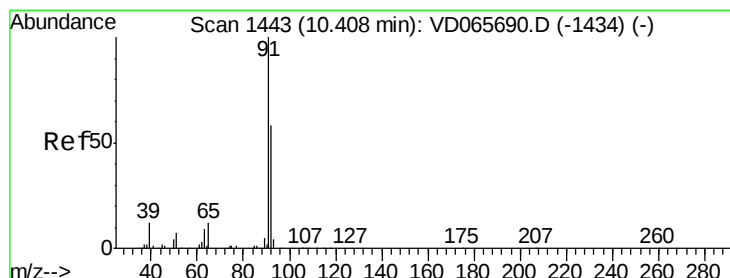
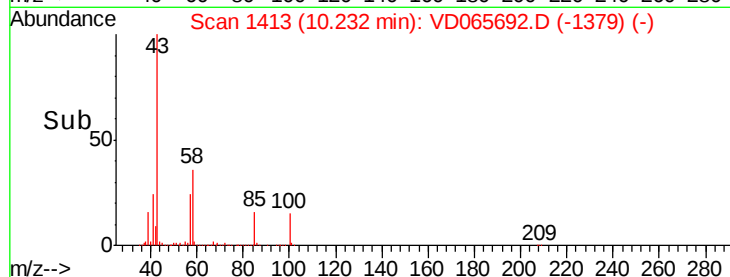
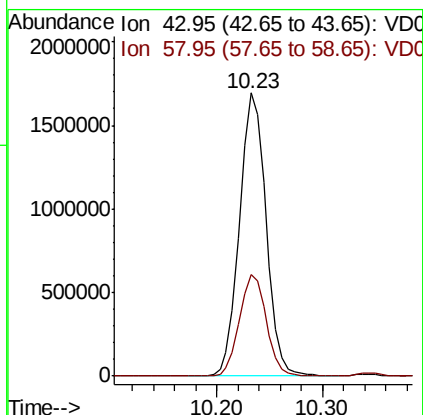
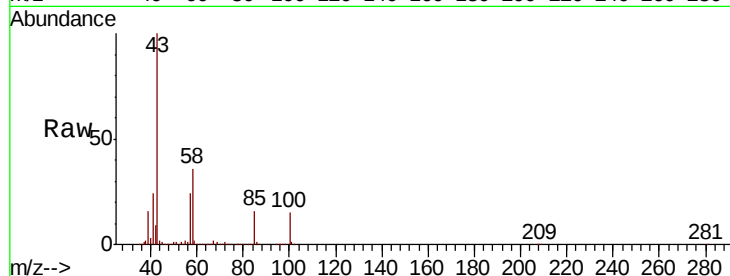




#51
 4-Methyl-2-Pentanone
 Concen: 1028.107 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD065692.D
 Acq: 01 May 2020 20:08

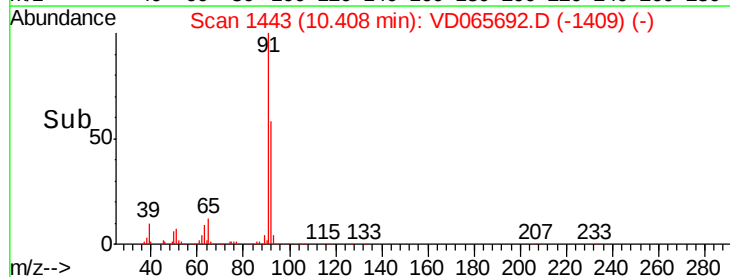
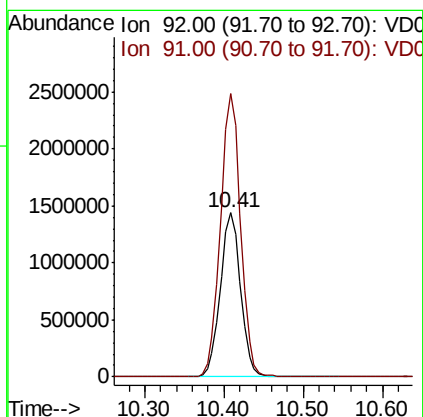
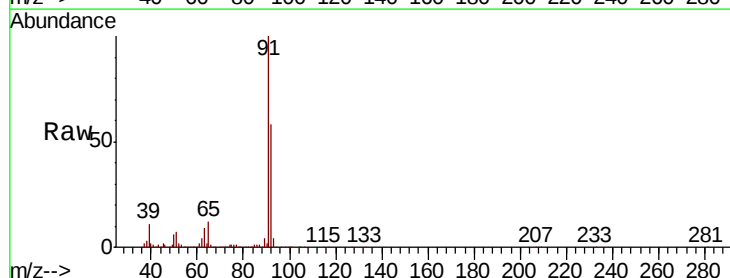
Instrument :
 MSVOA_D
 ClientSampleId :

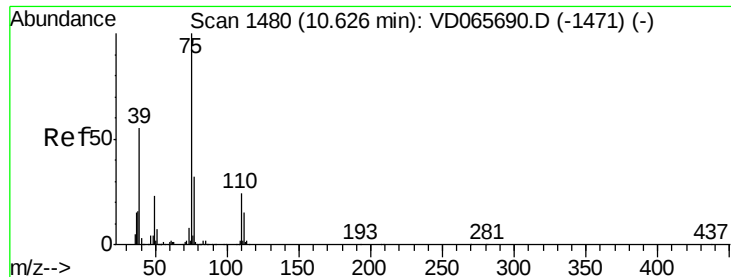
Tot Ion: 43 Resp: 2955386
 Ion Ratio Lower Upper
 43 100
 58 35.9 28.8 43.2



#52
 Toluene
 Concen: 211.875 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD065692.D
 Acq: 01 May 2020 20:08

Tgt Ion: 92 Resp: 2546459
 Ion Ratio Lower Upper
 92 100
 91 172.4 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 195.002 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

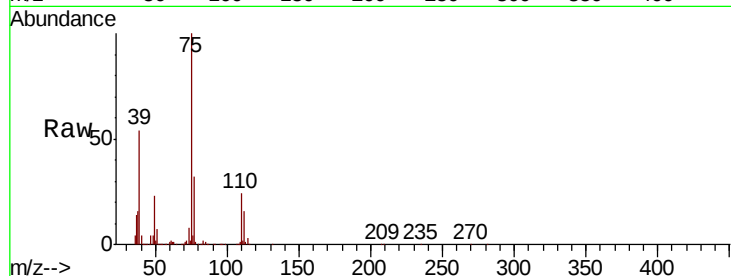
ClientSampleId :

Tot Ion: 75 Resp: 1280457

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.63

800000

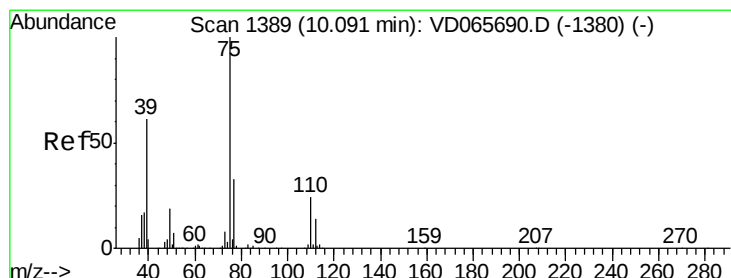
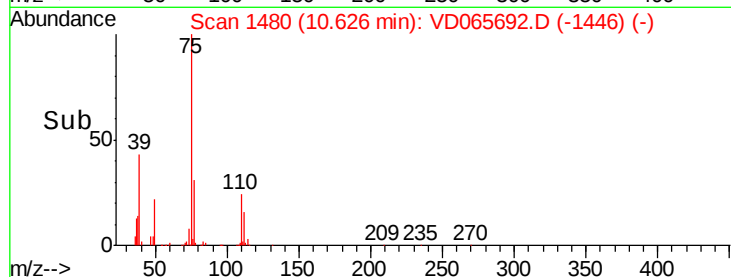
600000

400000

200000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 188.970 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

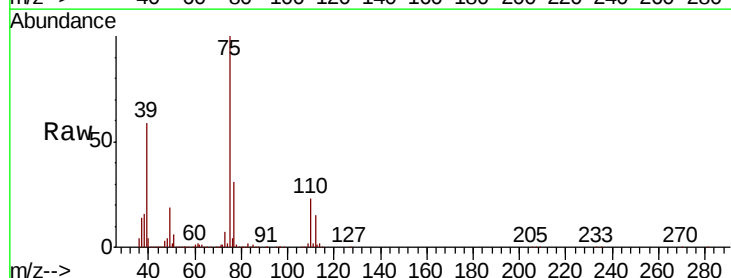
Tgt Ion: 75 Resp: 1510131

Ion Ratio Lower Upper

75 100

77 31.4 26.6 40.0

39 58.9 48.8 73.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.10

1000000

800000

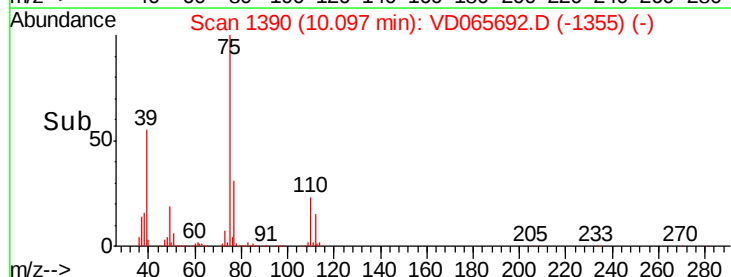
600000

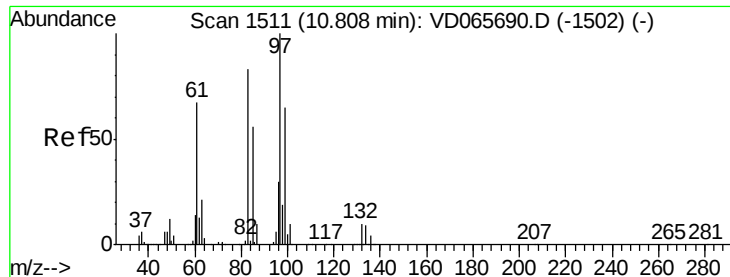
400000

200000

0

Time-->

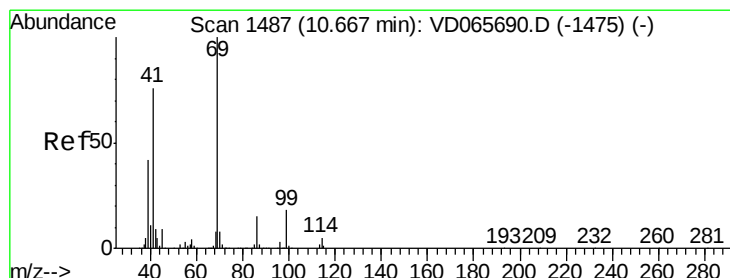
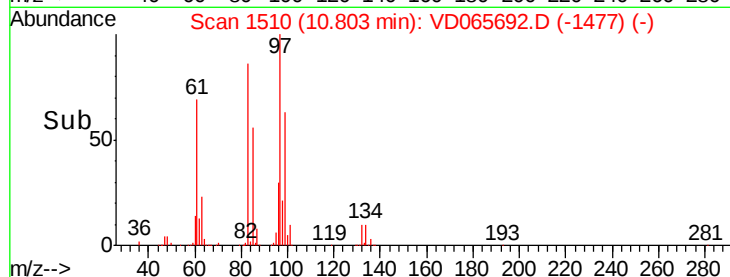
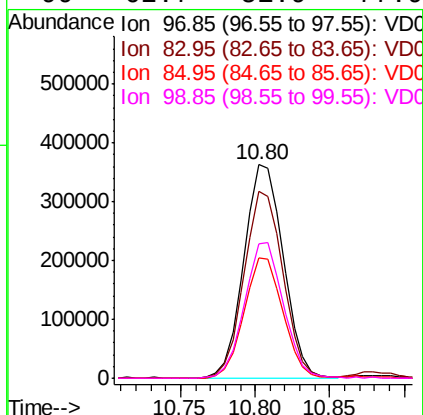
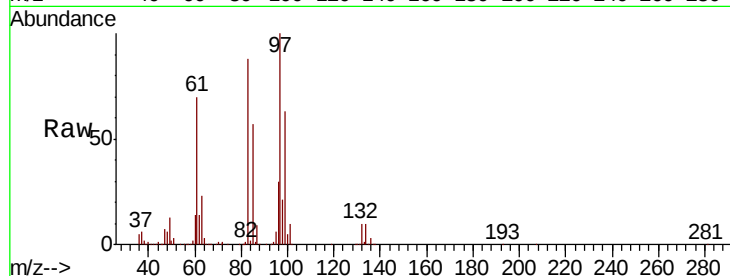




#55
1,1,2-Trichloroethane
Concen: 171.465 ug/l
RT: 10.80 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

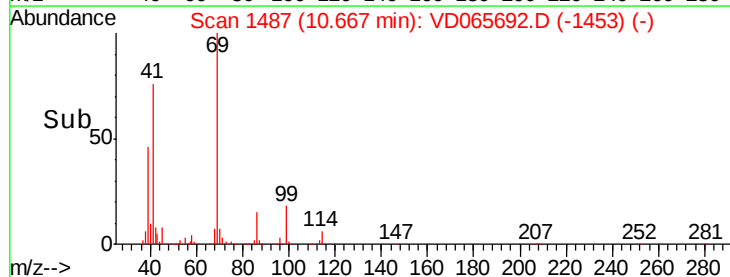
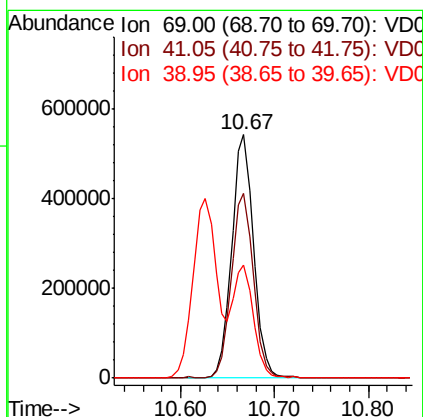
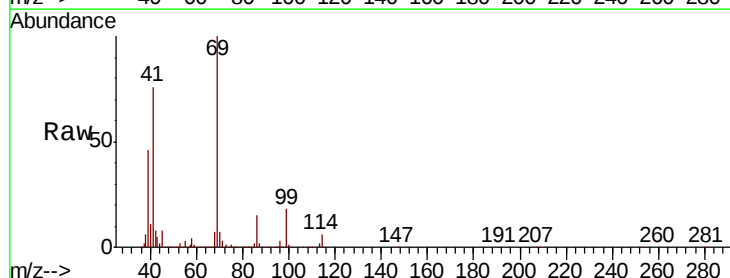
Instrument :
MSVOA_D
ClientSampleId :

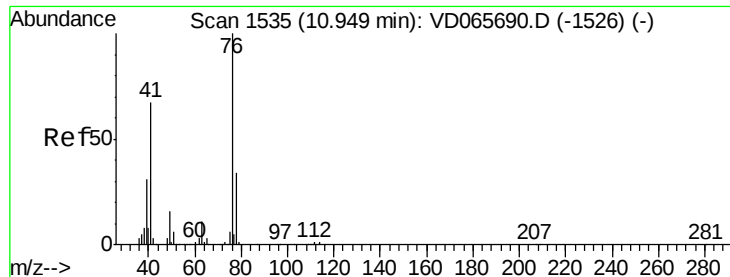
Tot Ion:	97	Resp:	664327
Ion	Ratio	Lower	Upper
97	100		
83	87.6	66.7	100.1
85	56.6	45.0	67.4
99	62.7	51.9	77.9



#56
Ethyl methacrylate
Concen: 201.597 ug/l
RT: 10.67 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

Tgt Ion:	69	Resp:	876251
Ion	Ratio	Lower	Upper
69	100		
41	76.0	61.4	92.0
39	46.2	36.6	54.8





#57

1,3-Dichloropropane

Concen: 192.113 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

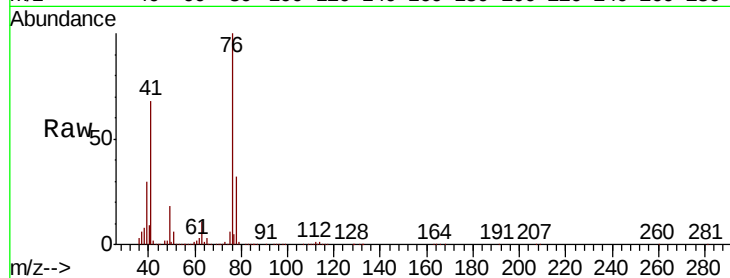
ClientSampleId :

Tot Ion: 76 Resp: 1180673

Ion Ratio Lower Upper

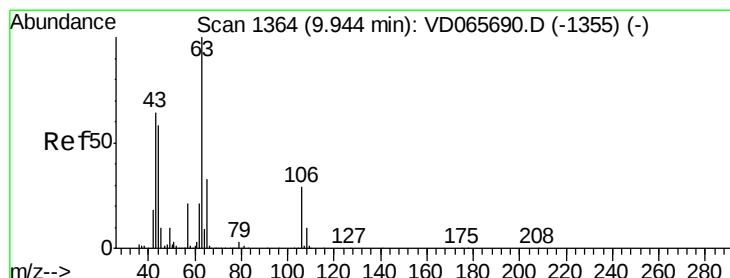
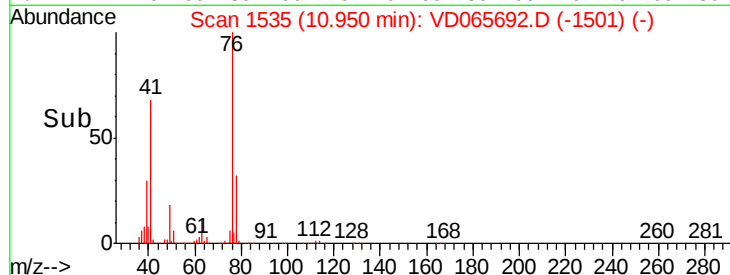
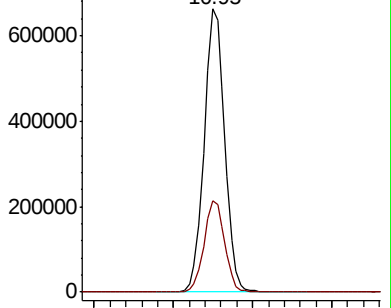
76 100

78 32.5 26.9 40.3



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 664.015 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD065692.D

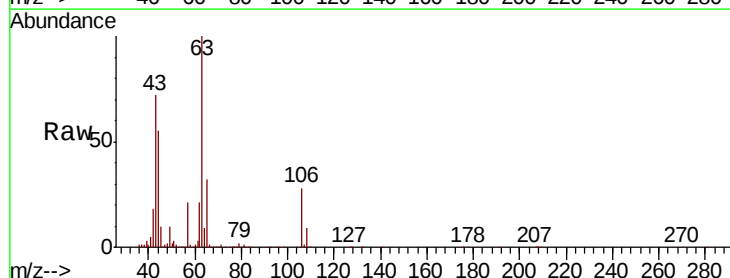
Acq: 01 May 2020 20:08

Tgt Ion: 63 Resp: 1325479

Ion Ratio Lower Upper

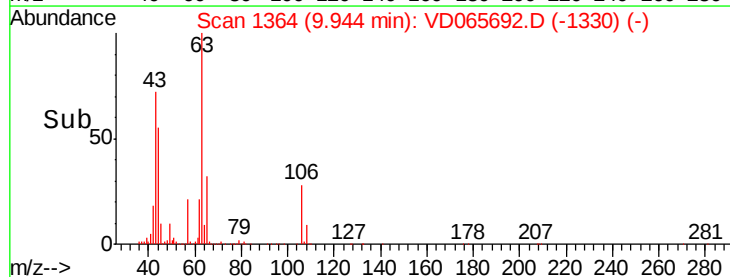
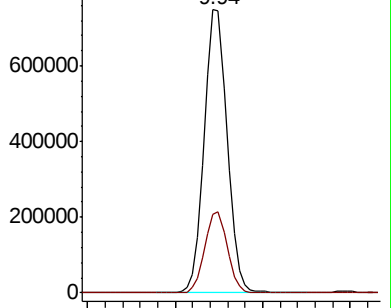
63 100

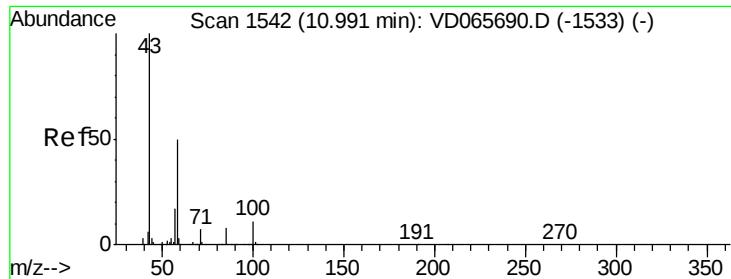
106 27.7 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

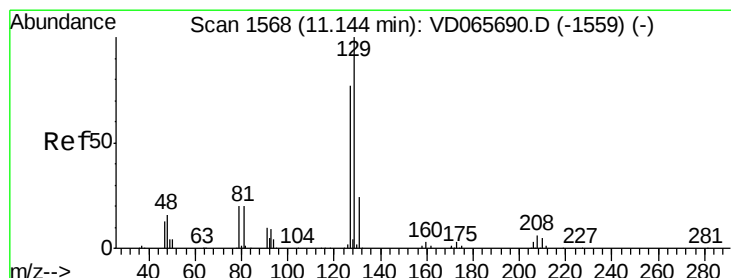
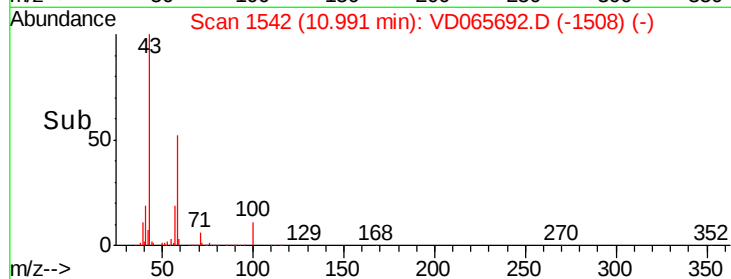
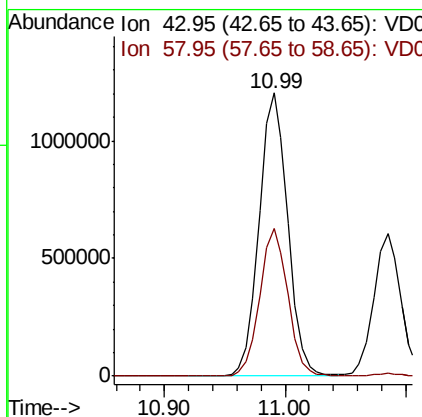
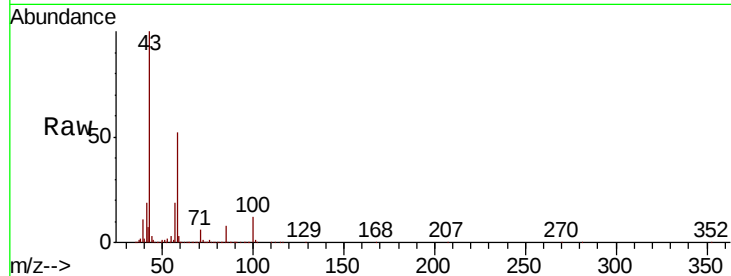




#59
2-Hexanone
Concen: 942.796 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

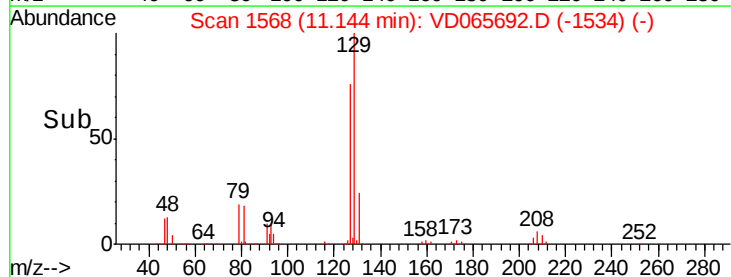
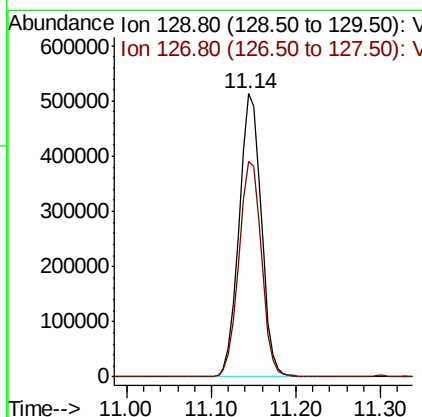
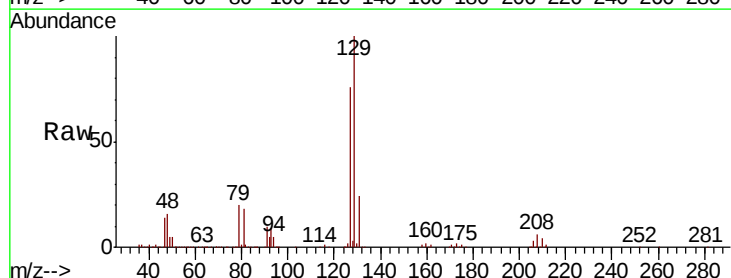
Instrument :
MSVOA_D
ClientSampleId :

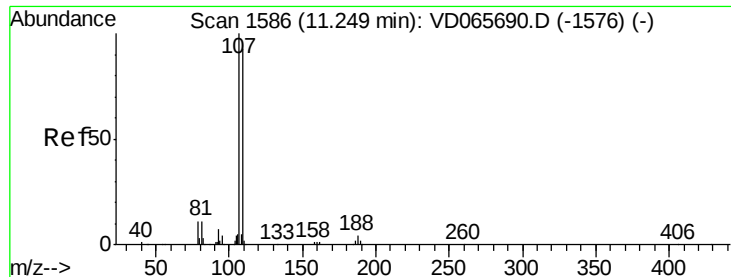
Tot Ion: 43 Resp: 1988468
Ion Ratio Lower Upper
43 100
58 52.4 24.8 74.4



#60
Dibromochloromethane
Concen: 149.907 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

Tgt Ion: 129 Resp: 924102
Ion Ratio Lower Upper
129 100
127 76.1 38.6 115.8

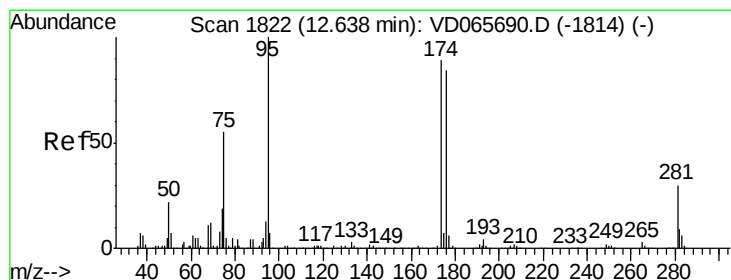
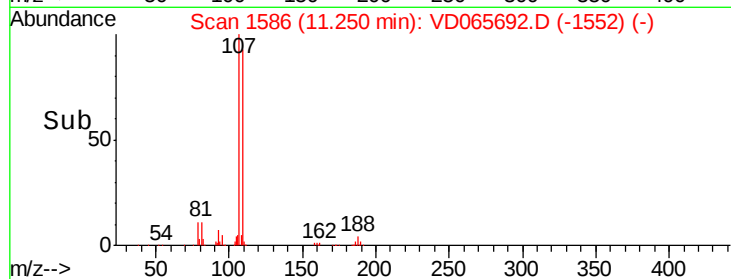
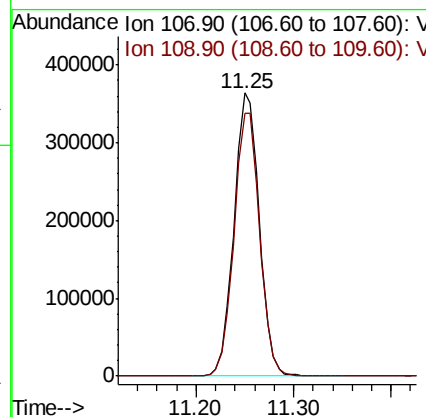
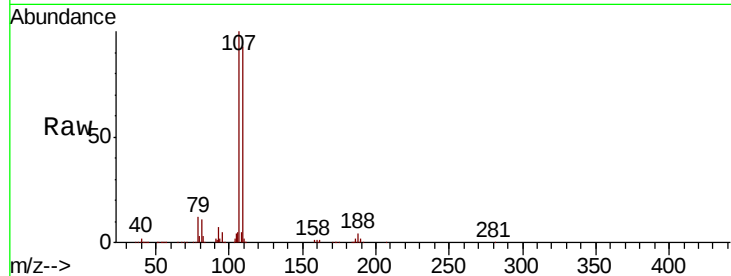




#61
 1,2-Dibromoethane
 Concen: 145.354 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065692.D
 Acq: 01 May 2020 20:08

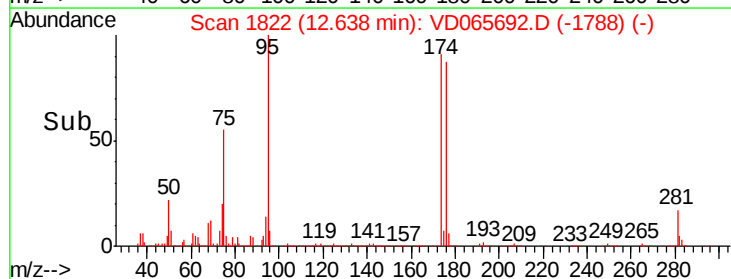
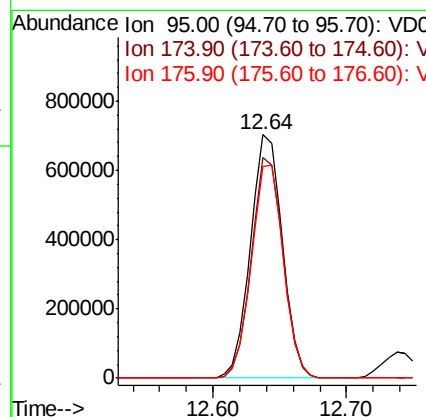
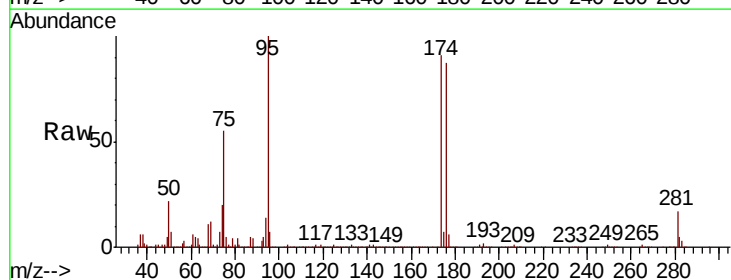
Instrument :
 MSVOA_D
 ClientSampleId :

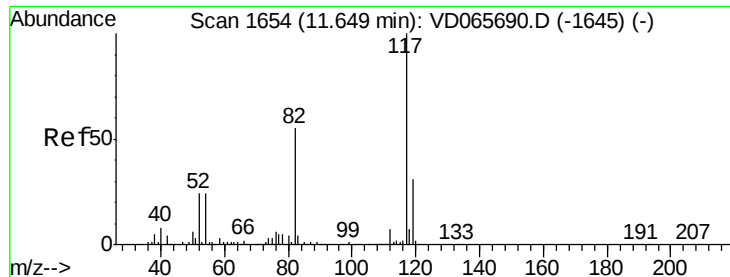
Tot Ion:107 Resp: 650806
 Ion Ratio Lower Upper
 107 100
 109 92.7 74.0 111.0



#62
 4-Bromofluorobenzene
 Concen: 183.971 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065692.D
 Acq: 01 May 2020 20:08

Tgt Ion: 95 Resp: 1153665
 Ion Ratio Lower Upper
 95 100
 174 90.5 0.0 177.6
 176 87.1 0.0 168.2

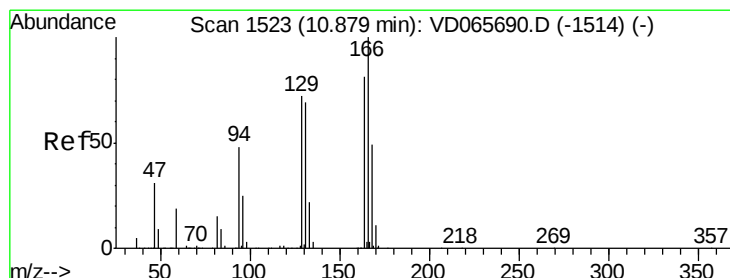
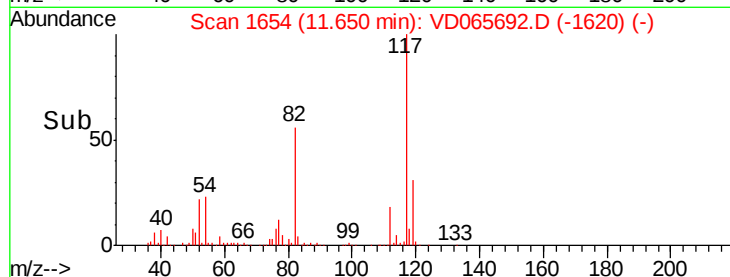
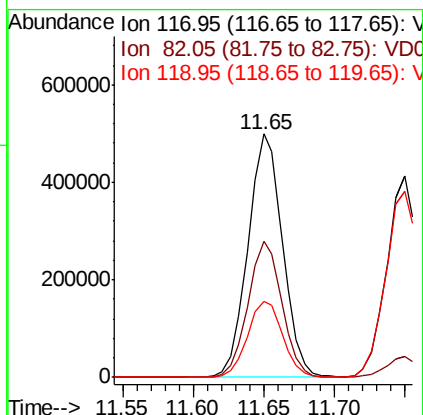
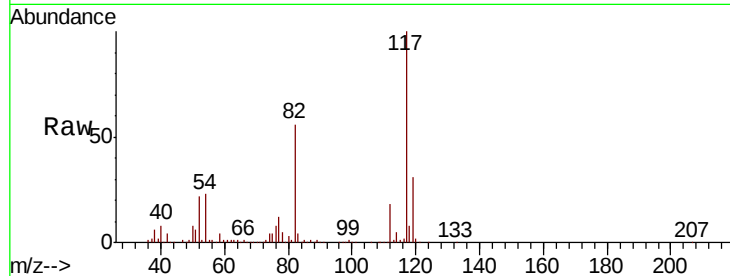




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

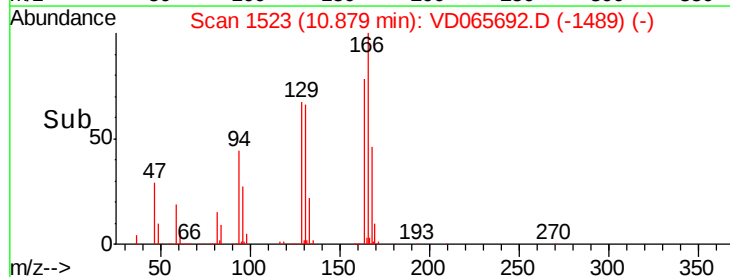
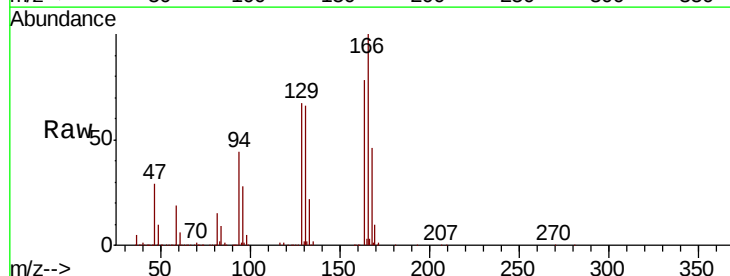
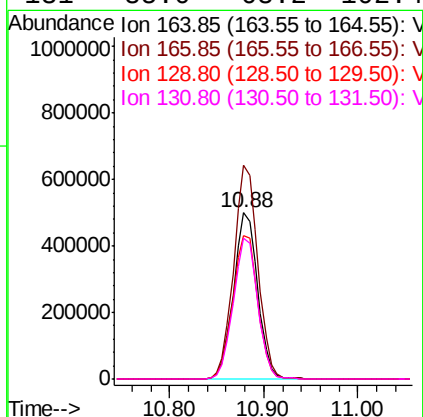
Instrument :
MSVOA_D
ClientSampleId :

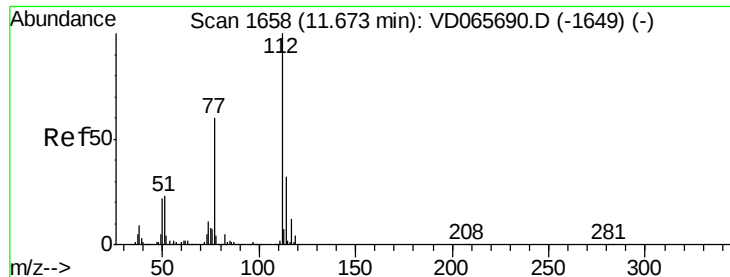
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	43.6	65.4
119	31.2	25.0	37.6



#64
Tetrachloroethene
Concen: 145.343 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	99.0	148.6
129	86.6	71.5	107.3
131	85.0	68.2	102.4

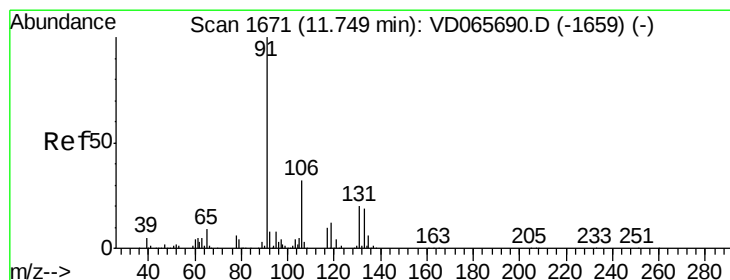
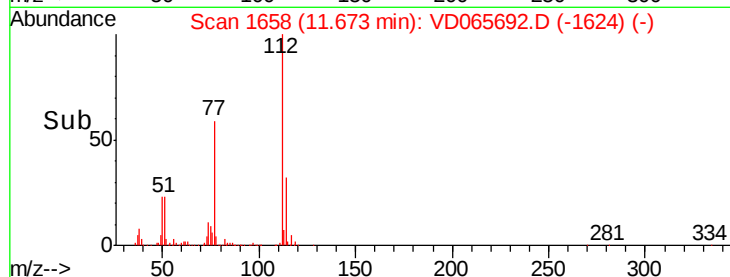
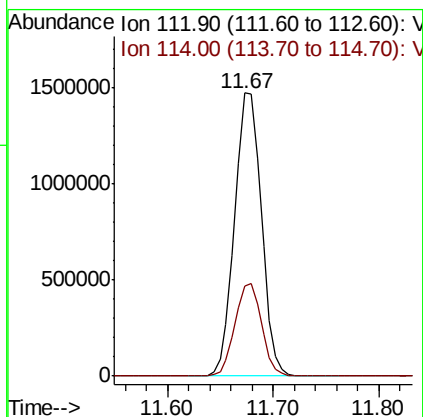
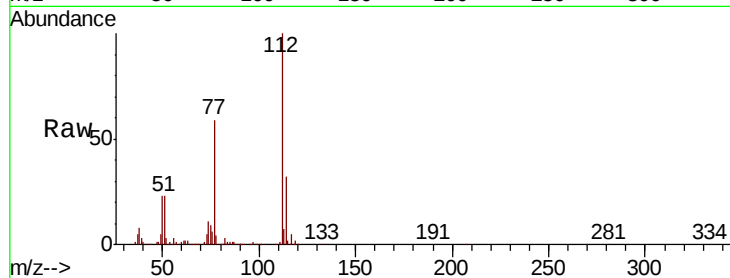




#65
Chlorobenzene
Concen: 156.898 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

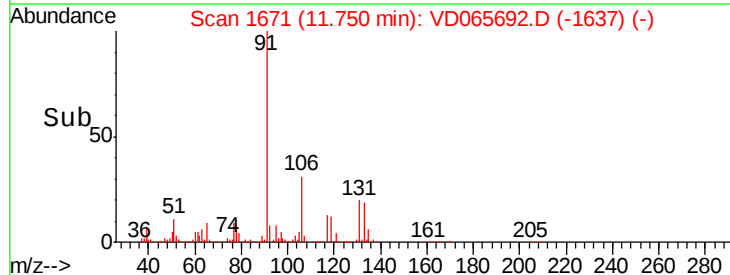
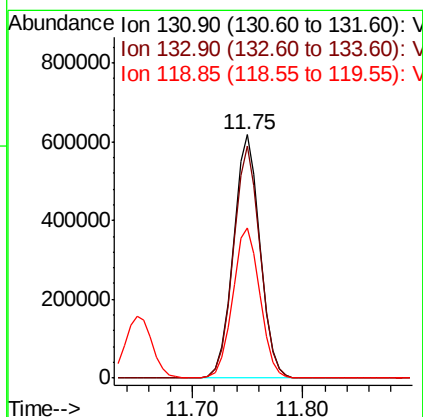
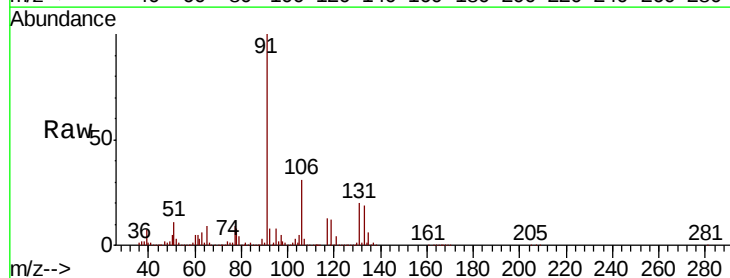
Instrument :
MSVOA_D
ClientSampleId :

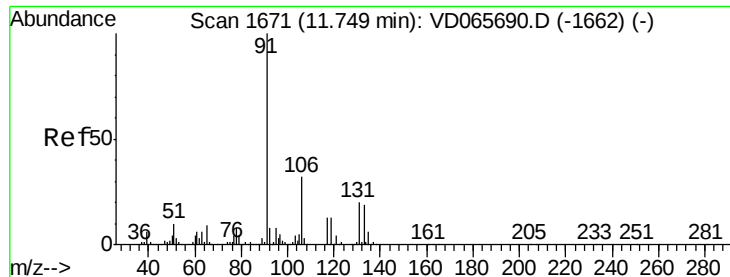
Tot Ion:112 Resp: 2586304
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 151.994 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

Tgt Ion:131 Resp: 1043561
Ion Ratio Lower Upper
131 100
133 95.2 47.9 143.8
119 61.8 32.0 96.2

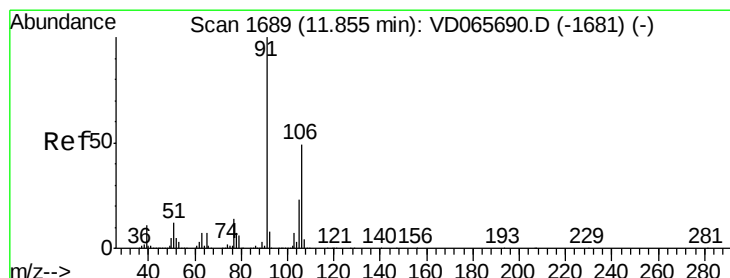
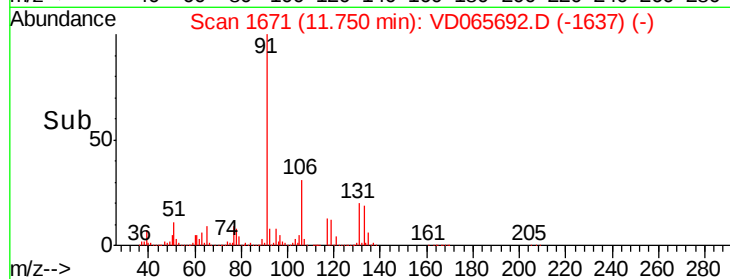
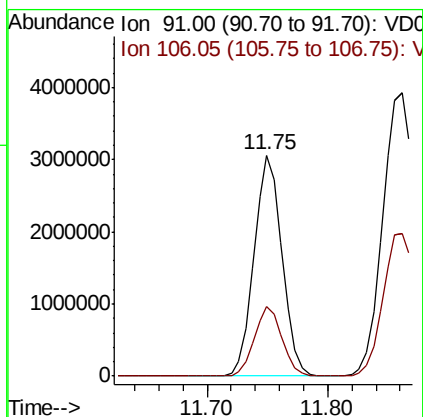
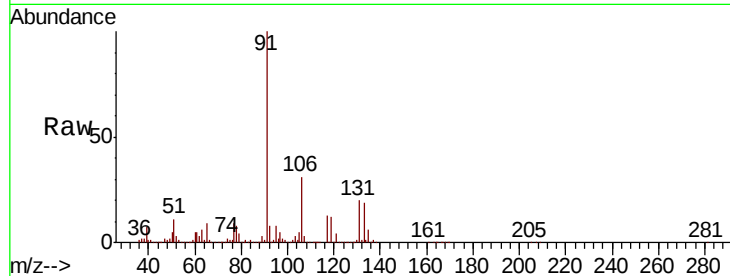




#67
Ethyl Benzene
Concen: 180.343 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

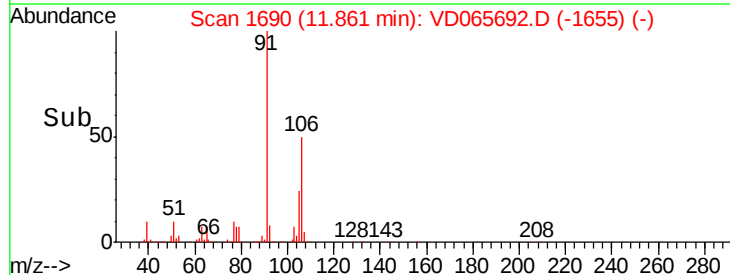
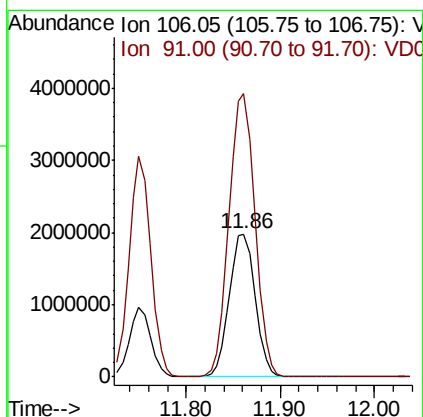
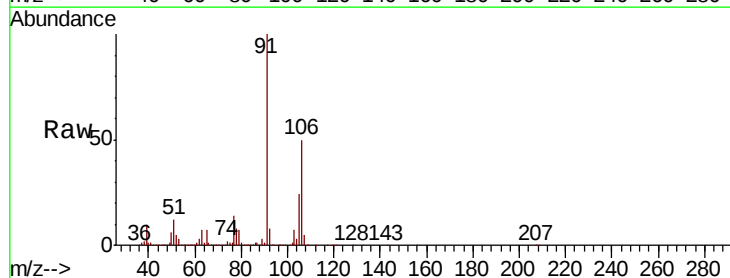
Instrument :
MSVOA_D
ClientSampled :

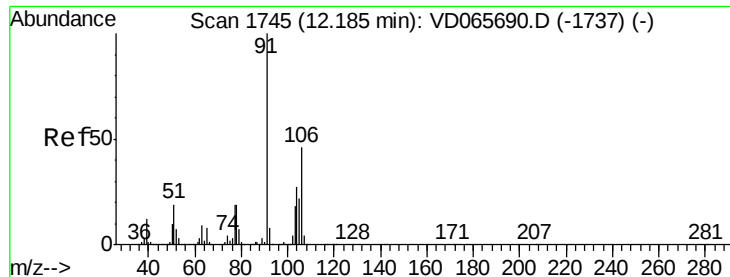
Tot Ion: 91 Resp: 4946814
Ion Ratio Lower Upper
91 100
106 31.4 25.2 37.8



#68
m/p-Xylenes
Concen: 376.163 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

Tgt Ion: 106 Resp: 3794931
Ion Ratio Lower Upper
106 100
91 198.2 162.2 243.2

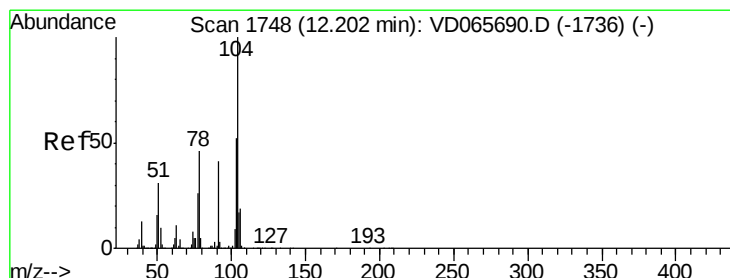
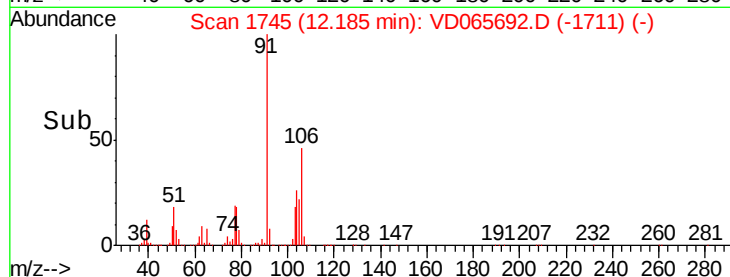
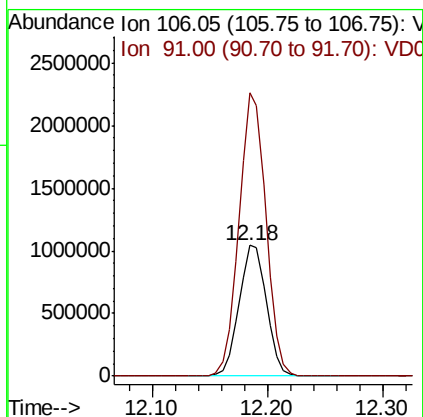
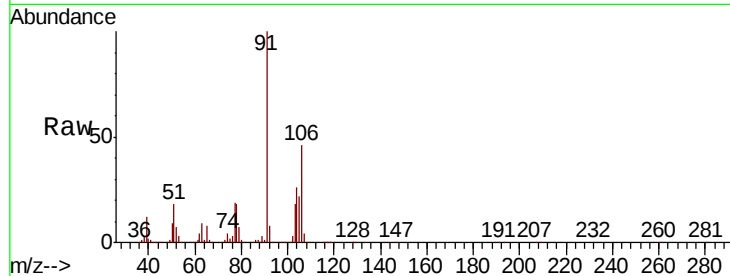




#69
o-Xylene
Concen: 188.588 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

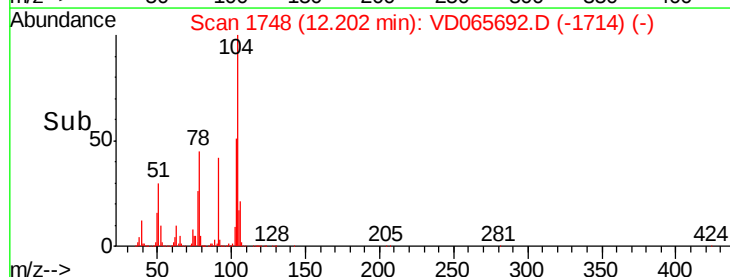
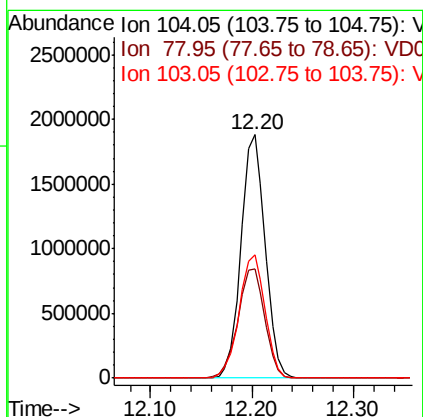
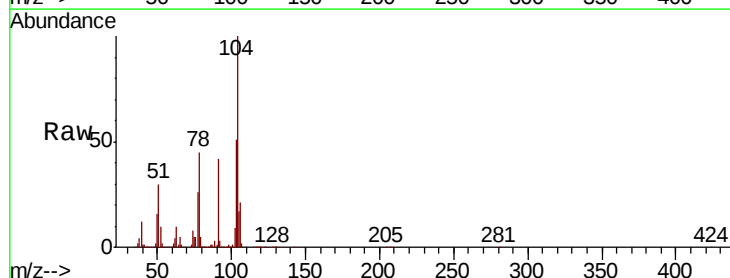
Instrument :
MSVOA_D
ClientSampleId :

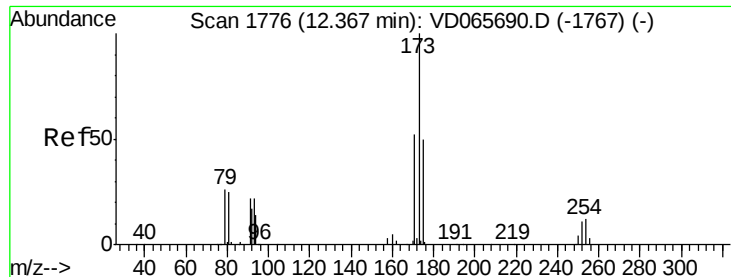
Tot Ion:106 Resp: 1719617
Ion Ratio Lower Upper
106 100
91 216.6 109.7 329.0



#70
Styrene
Concen: 195.217 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

Tgt Ion:104 Resp: 3099765
Ion Ratio Lower Upper
104 100
78 44.9 36.4 54.6
103 50.9 41.7 62.5





#71

Bromoform

Concen: 142.469 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampled :

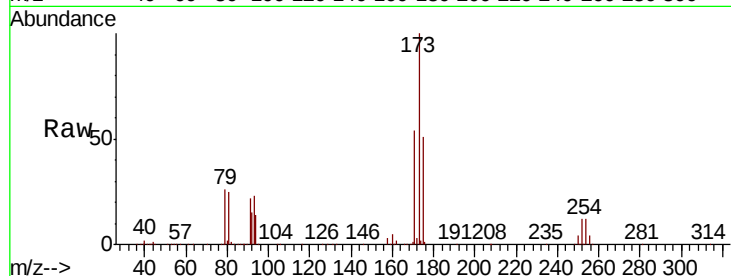
Tot Ion:173 Resp: 558446

Ion Ratio Lower Upper

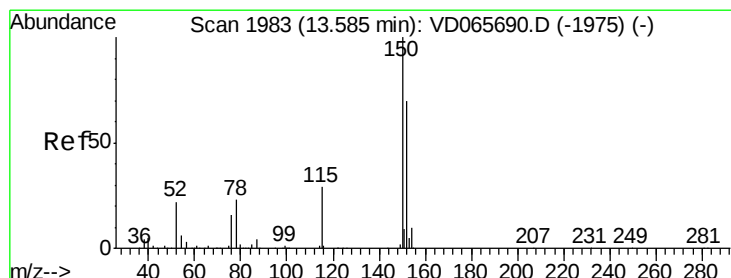
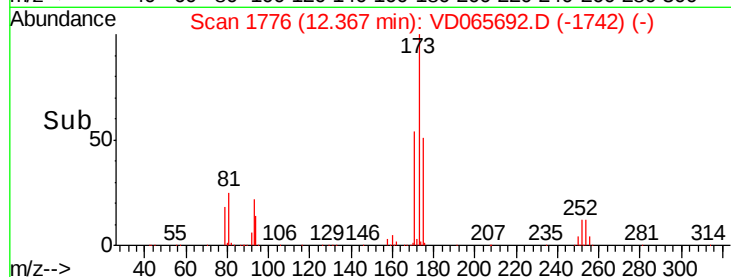
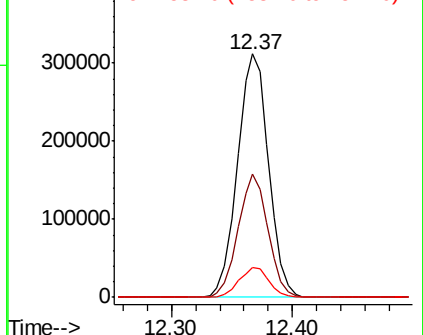
173 100

175 50.8 24.9 74.8

254 12.5 9.4 14.0



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): 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: VD065692.D

Acq: 01 May 2020 20:08

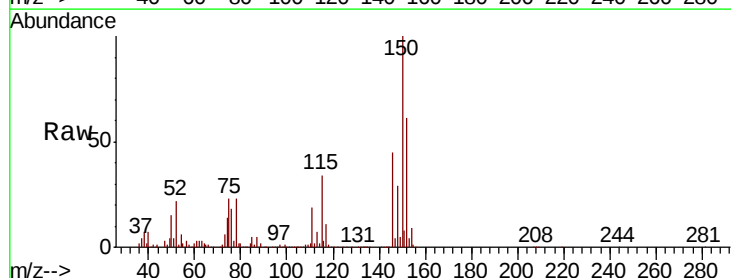
Tgt Ion:152 Resp: 456355

Ion Ratio Lower Upper

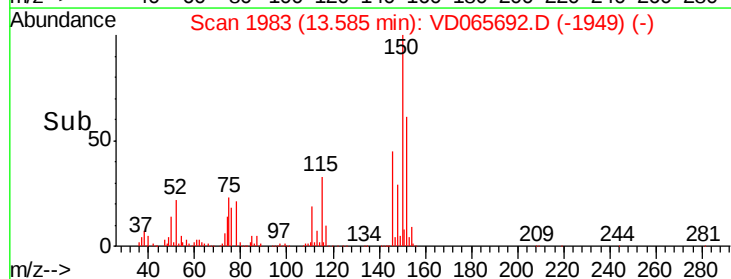
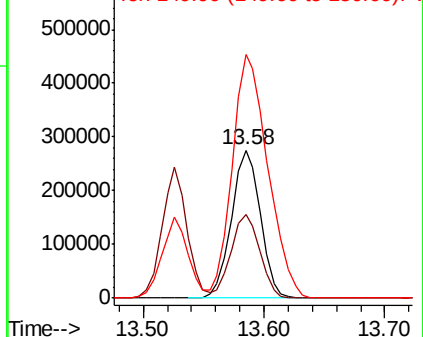
152 100

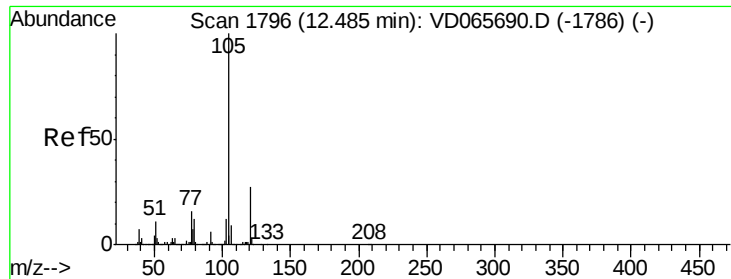
115 56.0 26.8 80.3

150 164.4 0.0 301.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 152.899 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

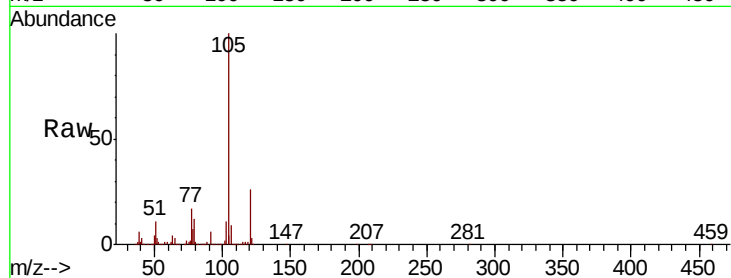
ClientSampleId :

Tot Ion:105 Resp: 4648517

Ion Ratio Lower Upper

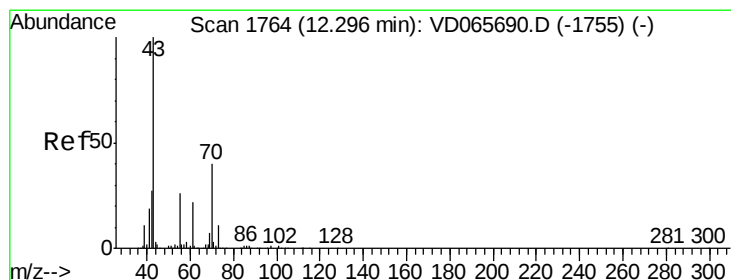
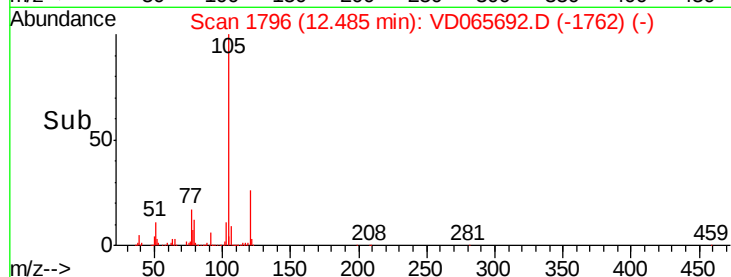
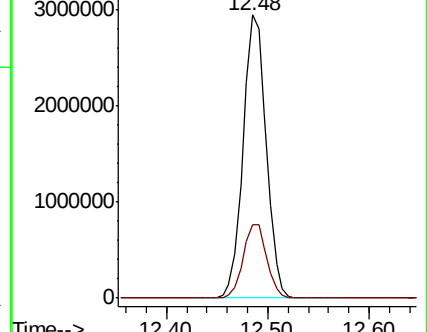
105 100

120 26.1 13.4 40.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 139.508 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Tgt Ion: 43 Resp: 1070917

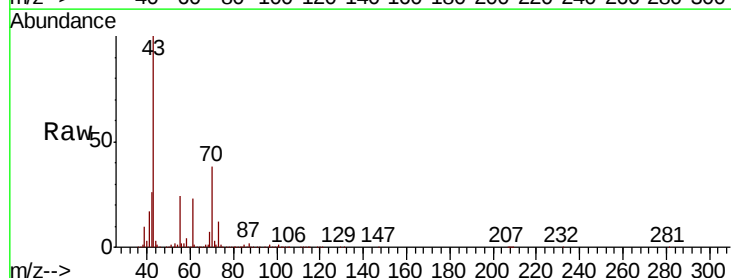
Ion Ratio Lower Upper

43 100

70 38.3 32.0 48.0

55 23.9 20.4 30.6

61 22.7 17.6 26.4

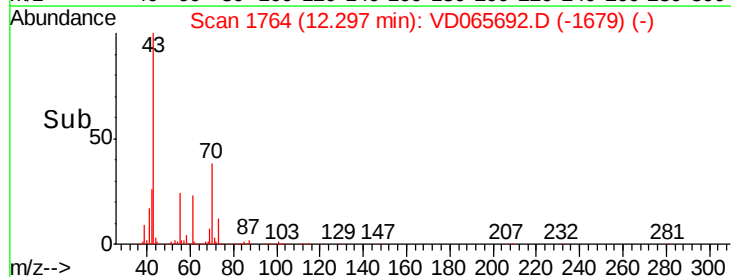
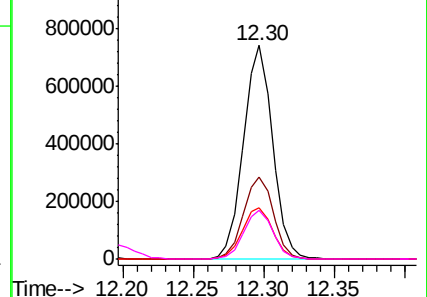


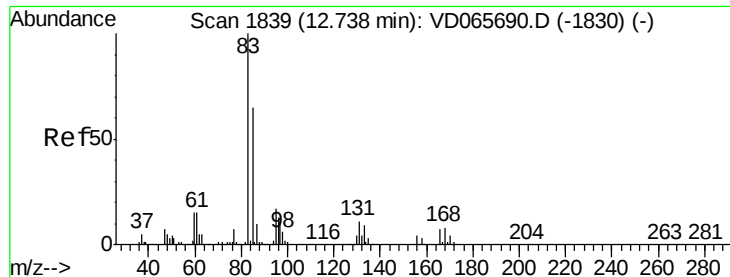
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 124.621 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

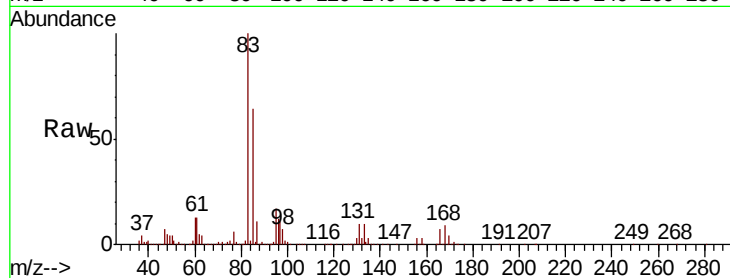
Tot Ion: 83 Resp: 725871

Ion Ratio Lower Upper

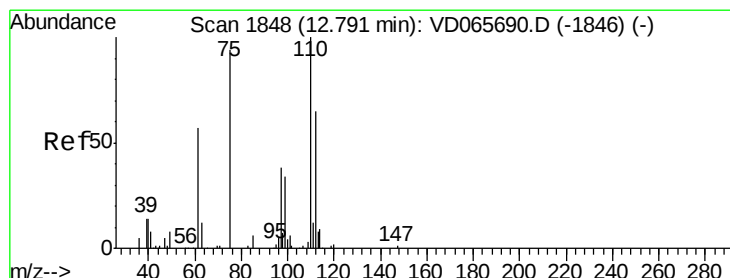
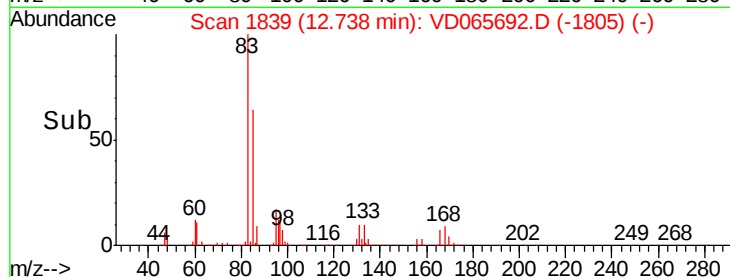
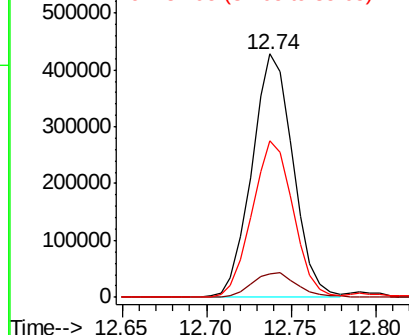
83 100

131 9.9 5.5 16.5

85 64.1 32.3 96.9



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 191.496 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065692.D

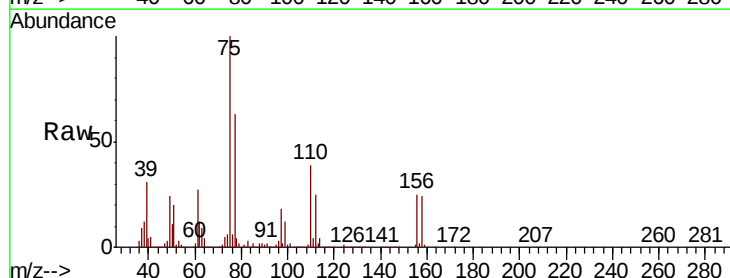
Acq: 01 May 2020 20:08

Tgt Ion: 75 Resp: 1031969

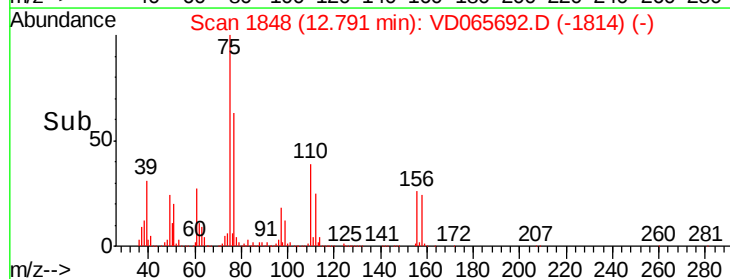
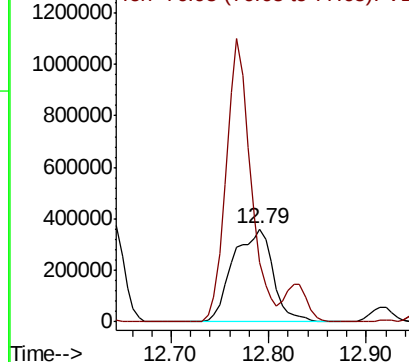
Ion Ratio Lower Upper

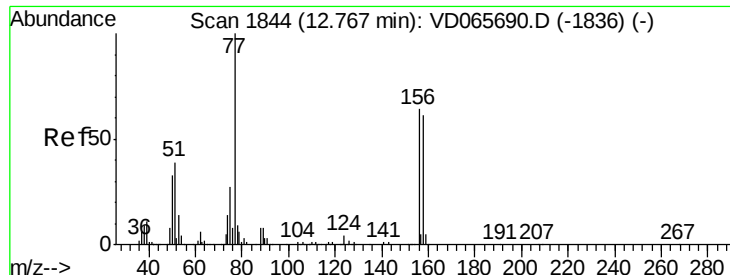
75 100

77 63.4 28.7 86.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 129.695 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampled :

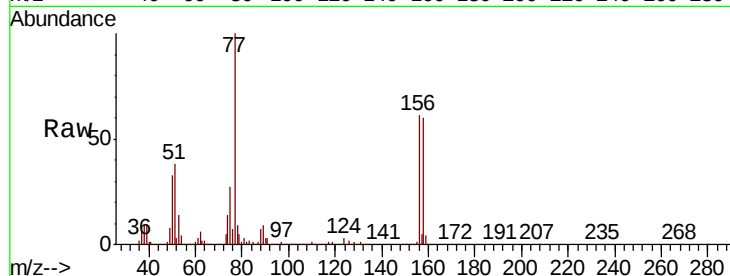
Tot Ion:156 Resp: 1110680

Ion Ratio Lower Upper

156 100

77 164.2 78.4 235.2

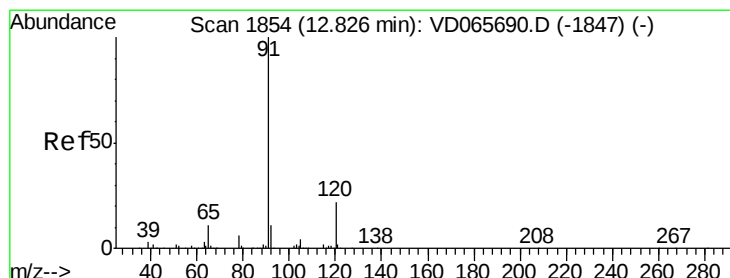
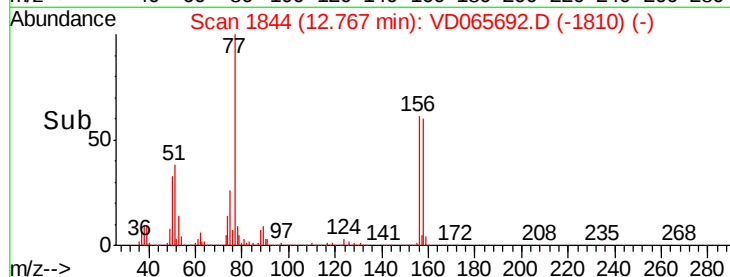
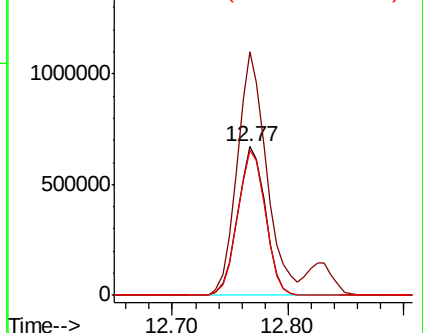
158 98.0 47.6 142.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 155.234 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065692.D

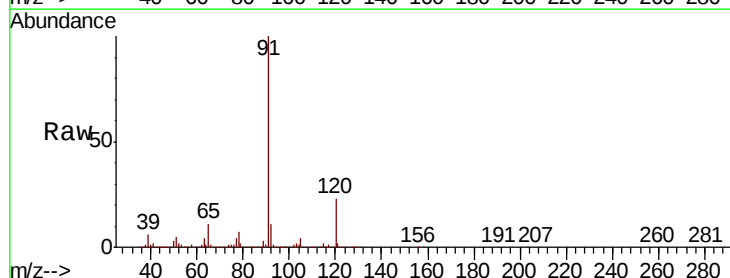
Acq: 01 May 2020 20:08

Tgt Ion: 91 Resp: 5477706

Ion Ratio Lower Upper

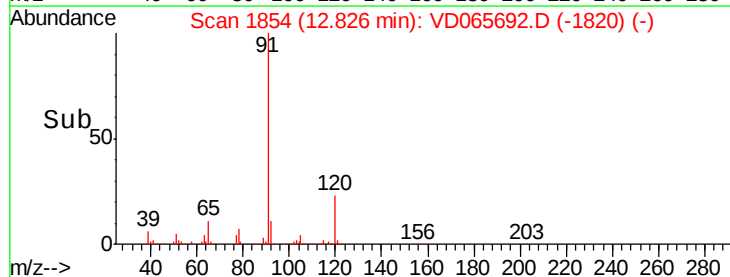
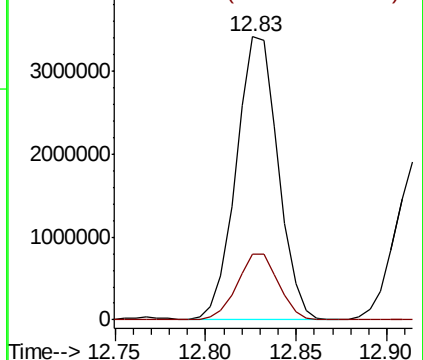
91 100

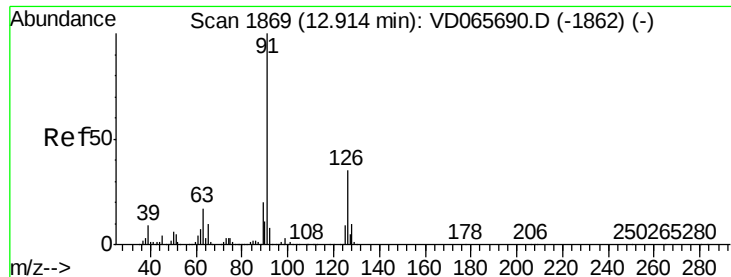
120 23.2 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

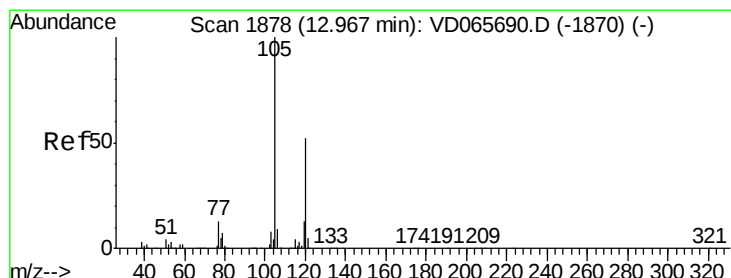
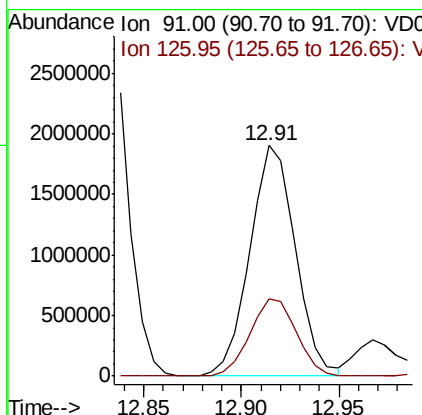
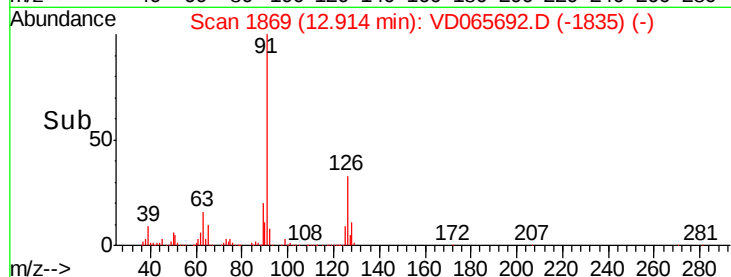
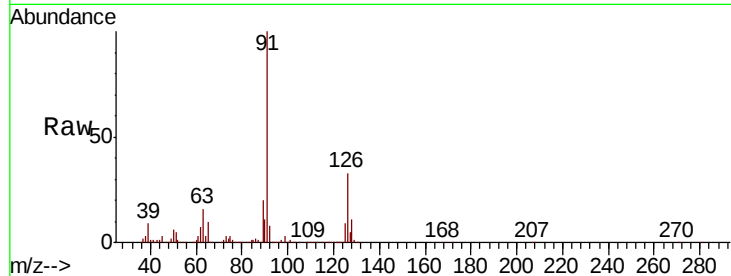




#79
2-Chlorotoluene
Concen: 146.739 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

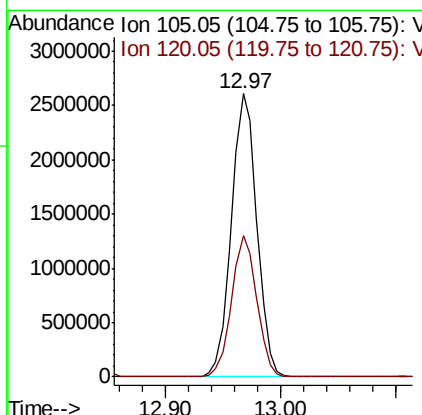
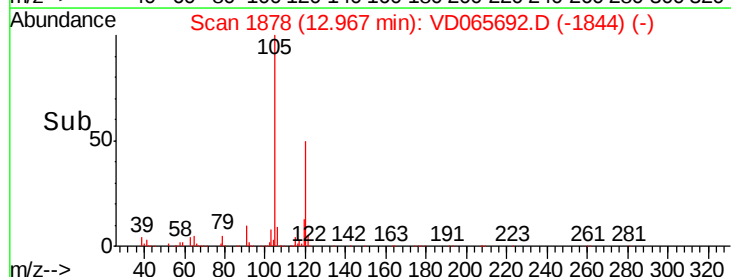
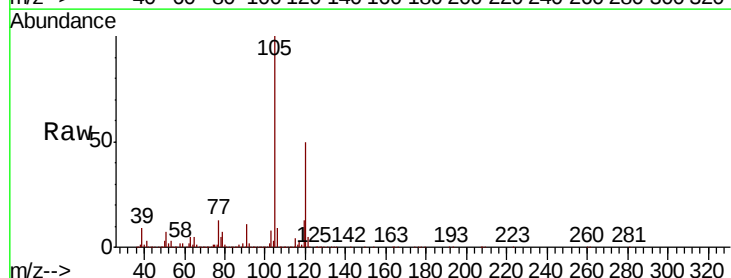
Instrument :
MSVOA_D
ClientSampleId :

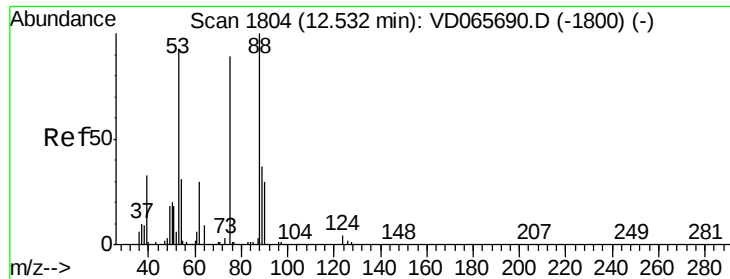
Tot Ion: 91 Resp: 3082495
Ion Ratio Lower Upper
91 100
126 33.3 17.6 52.9



#80
1,3,5-Trimethylbenzene
Concen: 161.795 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

Tgt Ion: 105 Resp: 3969822
Ion Ratio Lower Upper
105 100
120 50.0 25.9 77.7





#81

trans-1,4-Dichloro-2-butene

Concen: 147.484 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

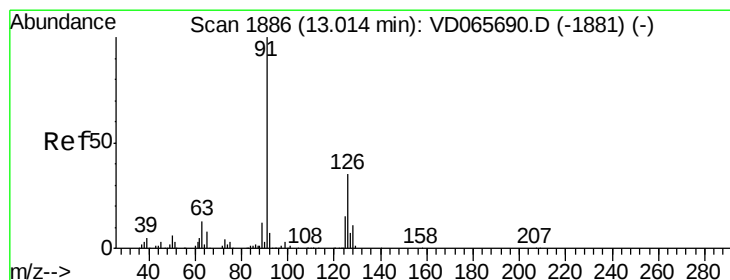
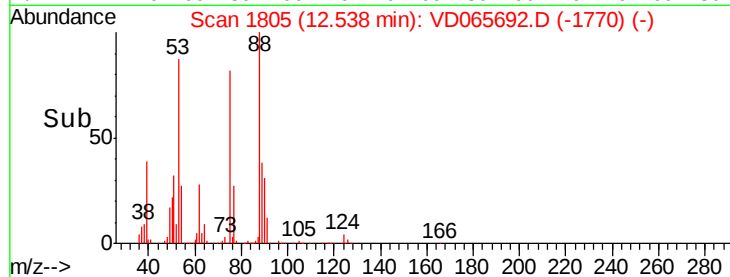
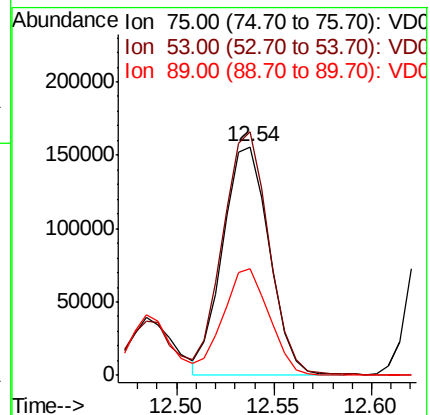
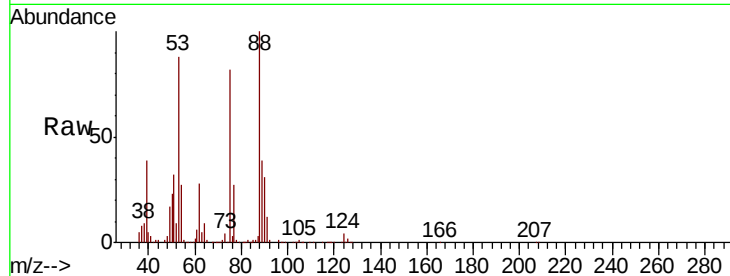
Tot Ion: 75 Resp: 257486

Ion Ratio Lower Upper

75 100

53 106.5 84.0 126.0

89 46.9 35.5 53.3



#82

4-Chlorotoluene

Concen: 145.141 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065692.D

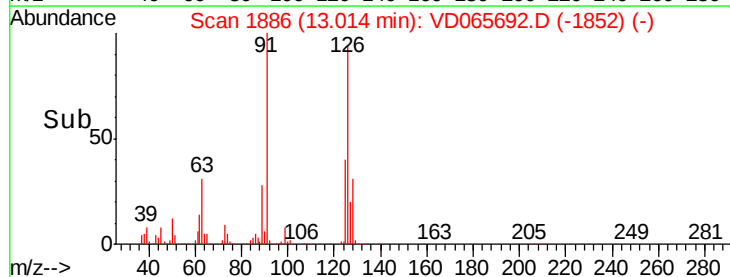
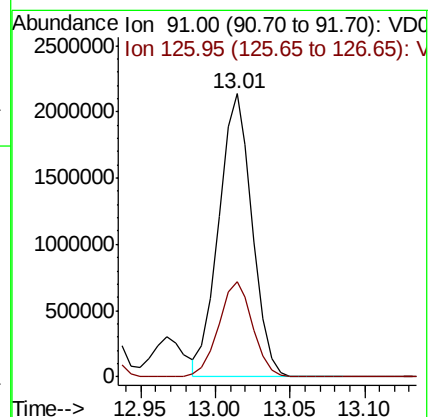
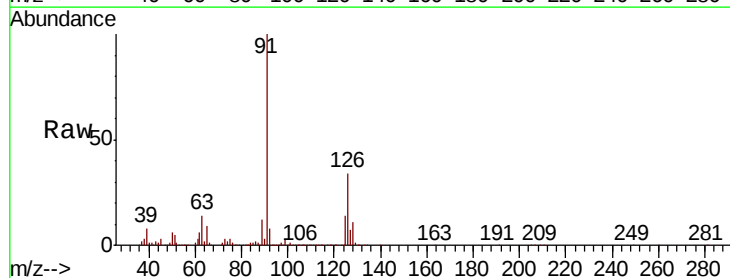
Acq: 01 May 2020 20:08

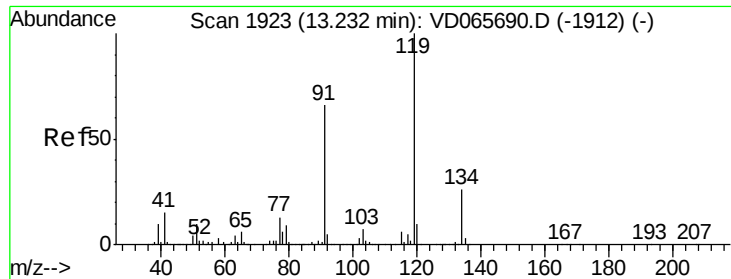
Tgt Ion: 91 Resp: 3336713

Ion Ratio Lower Upper

91 100

126 33.7 16.9 50.7

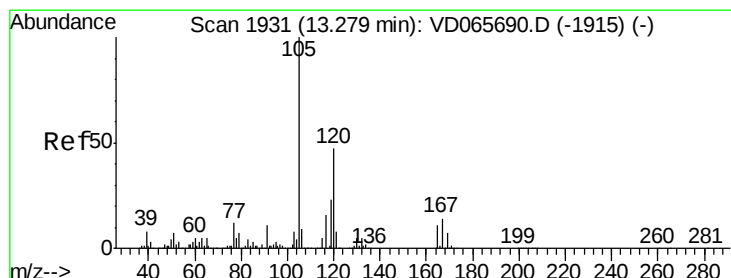
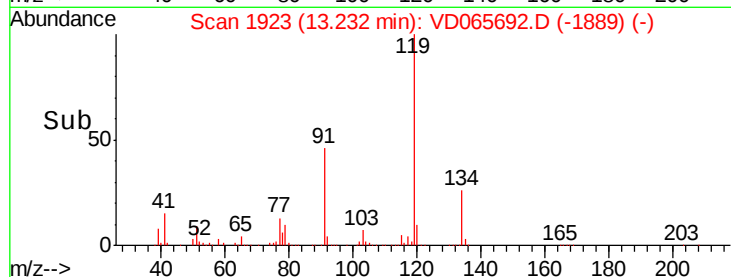
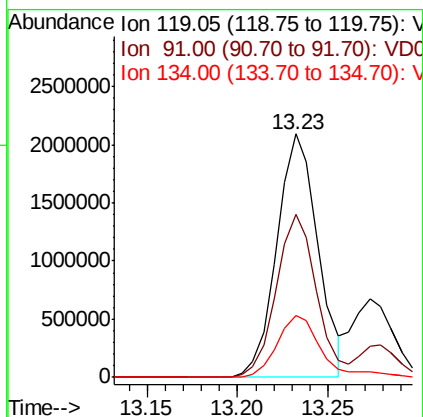
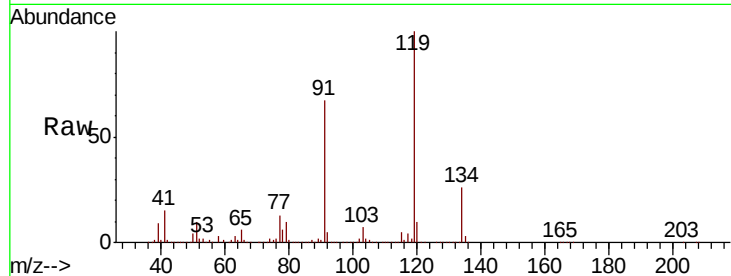




#83
tert-Butylbenzene
Concen: 123.049 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

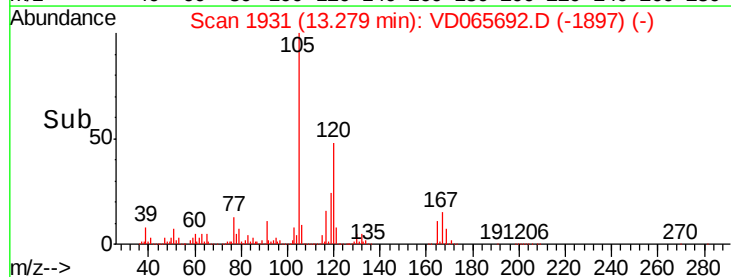
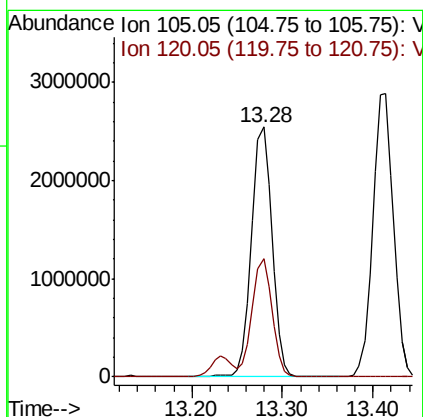
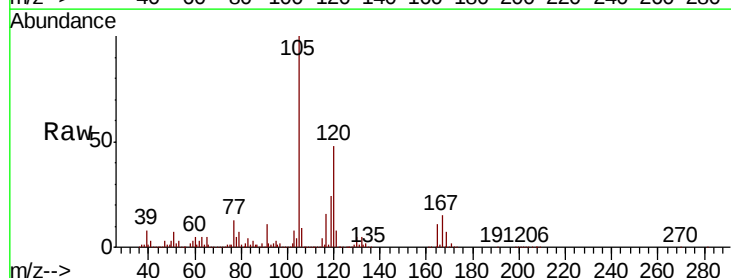
Instrument :
MSVOA_D
ClientSampled :

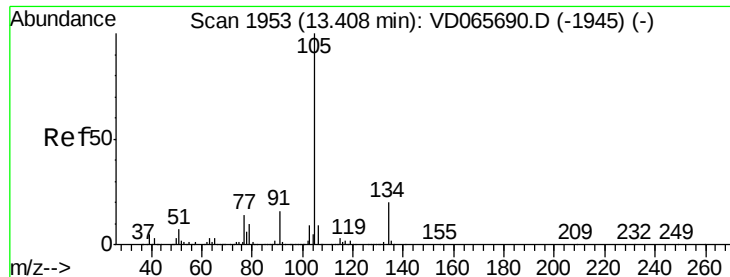
Tot Ion:119 Resp: 3302461
Ion Ratio Lower Upper
119 100
91 66.8 32.9 98.7
134 25.7 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 172.756 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065692.D
Acq: 01 May 2020 20:08

Tgt Ion:105 Resp: 4008301
Ion Ratio Lower Upper
105 100
120 47.5 23.3 69.8

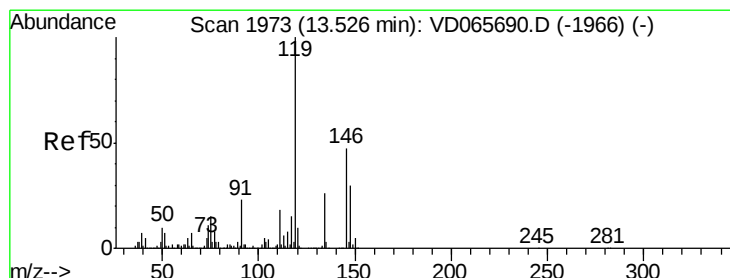
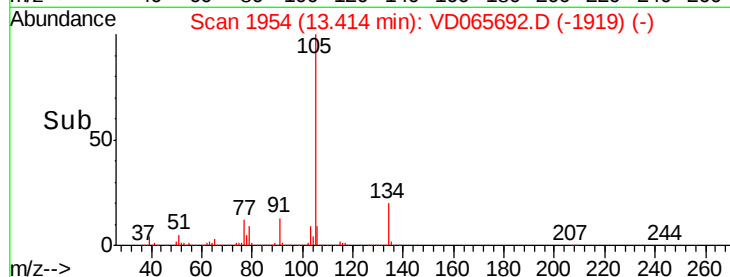
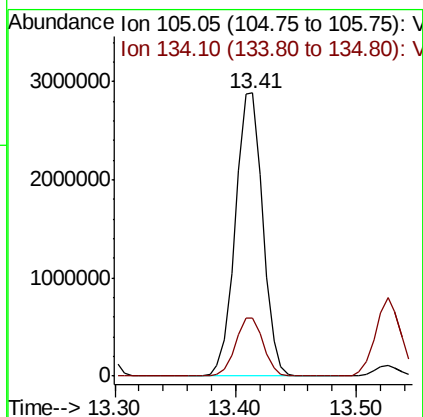
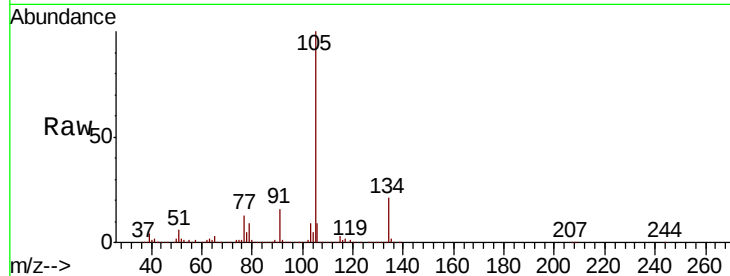




#85
 sec-Butylbenzene
 Concen: 151.361 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD065692.D
 Acq: 01 May 2020 20:08

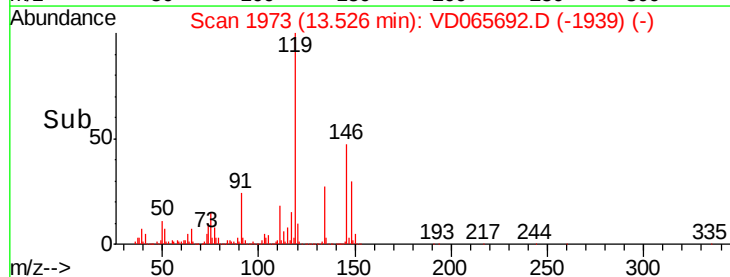
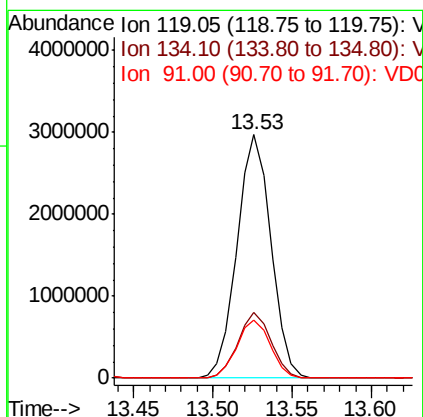
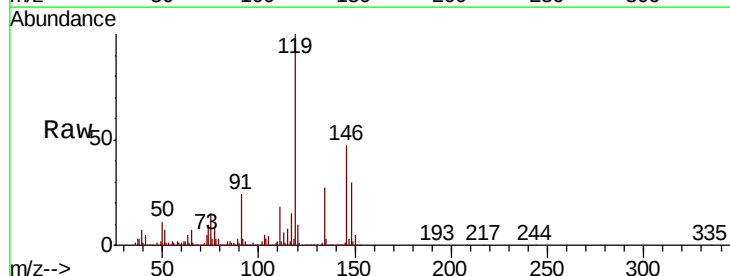
Instrument :
 MSVOA_D
 ClientSampleID :

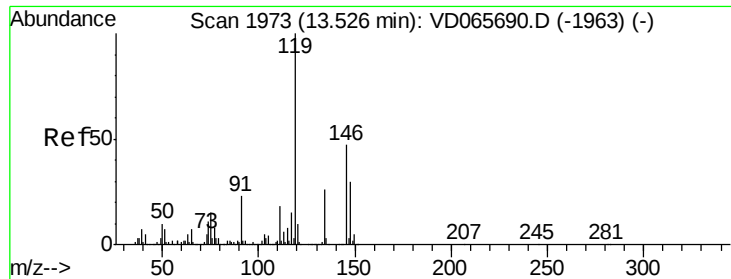
Tot Ion:105 Resp: 4575249
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 163.182 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065692.D
 Acq: 01 May 2020 20:08

Tgt Ion:119 Resp: 4412414
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.1 39.3
 91 24.0 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 145.809 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampled :

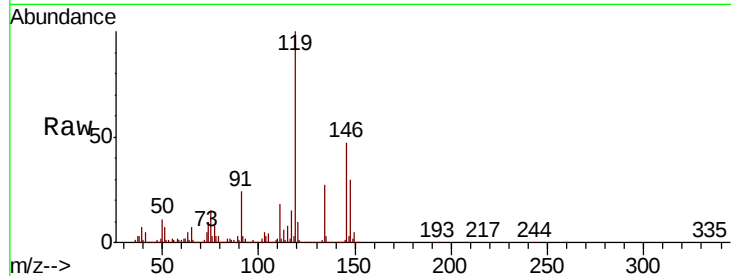
Tot Ion:146 Resp: 2211676

Ion Ratio Lower Upper

146 100

111 38.1 19.4 58.2

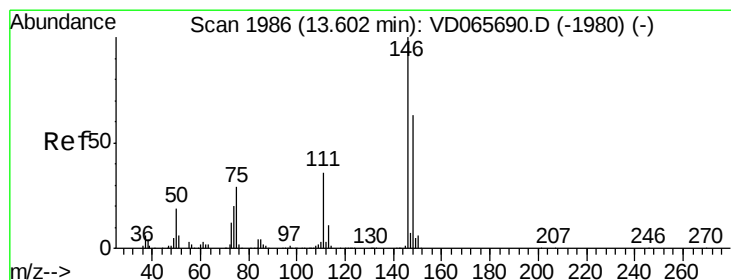
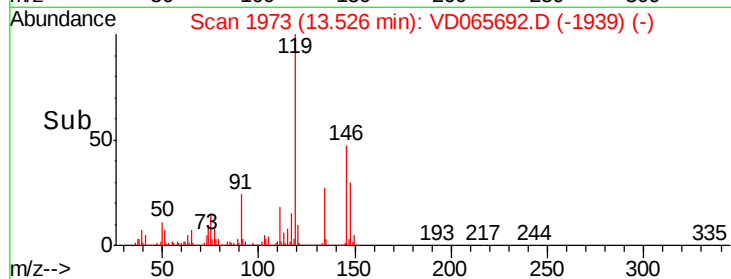
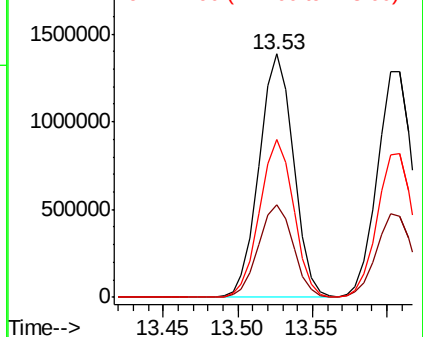
148 64.9 31.4 94.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 149.985 ug/l

RT: 13.61 min Scan# 1987

Delta R.T. 0.01 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

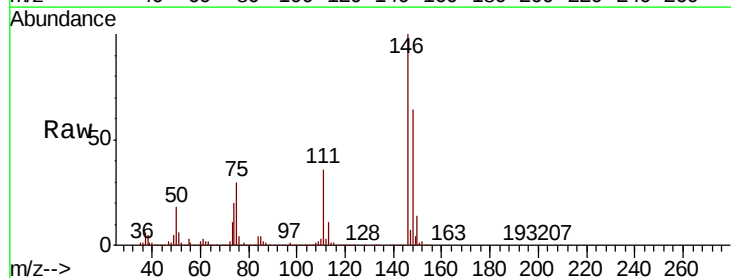
Tgt Ion:146 Resp: 2129546

Ion Ratio Lower Upper

146 100

111 35.8 18.3 54.9

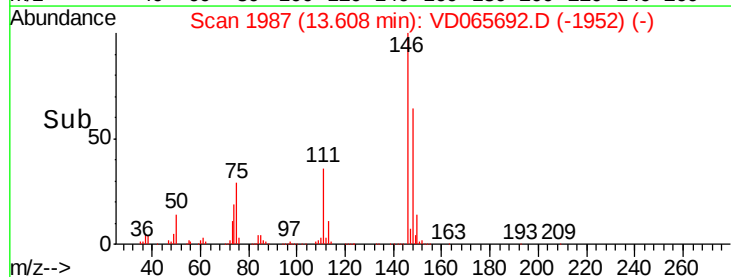
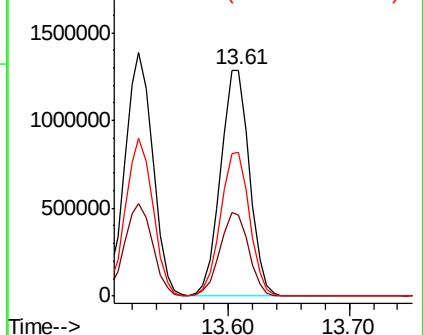
148 63.6 31.6 94.8

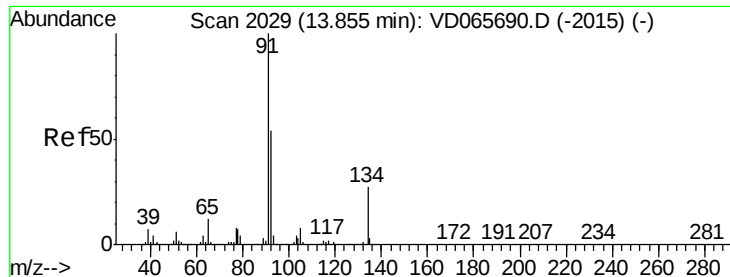


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 161.089 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampleId :

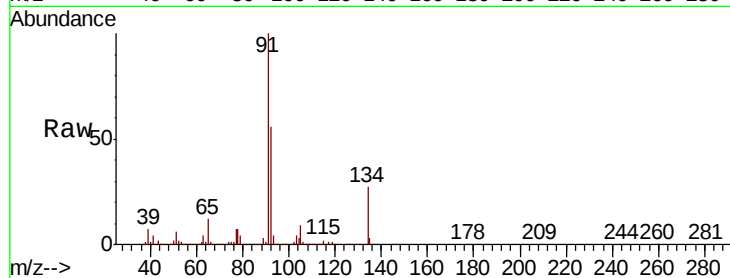
Tot Ion: 91 Resp: 3958986

Ion	Ratio	Lower	Upper
91	100		
92	55.7	27.0	81.0
134	27.1	13.5	40.5

91 100

92 55.7 27.0 81.0

134 27.1 13.5 40.5

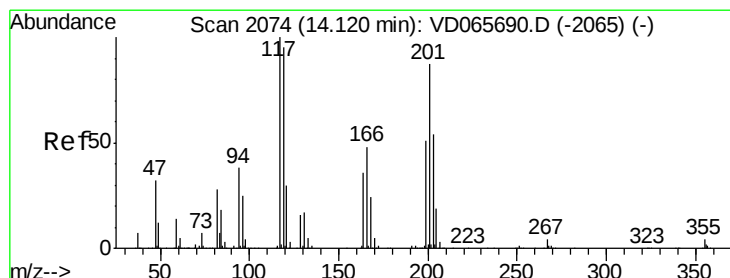
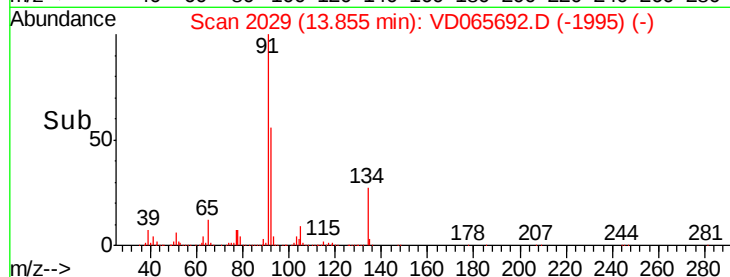
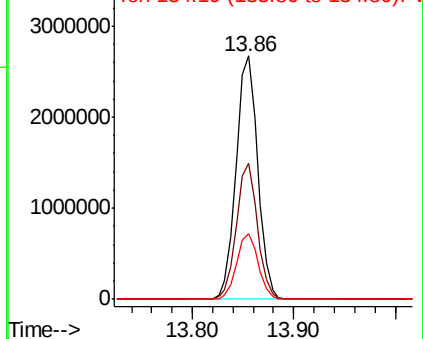


Abundance

Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 117.194 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD065692.D

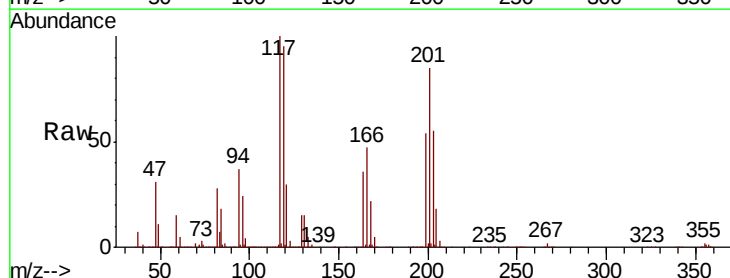
Acq: 01 May 2020 20:08

Tgt Ion: 117 Resp: 821086

Ion	Ratio	Lower	Upper
117	100		
201	85.1	43.7	131.1

117 100

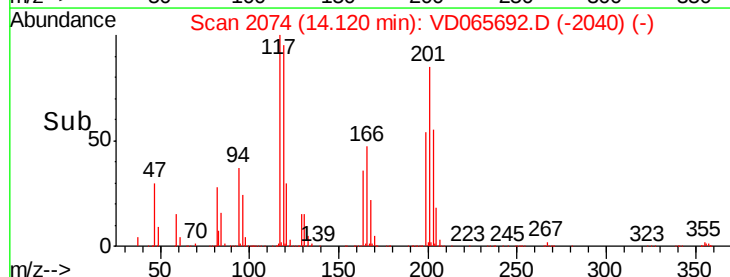
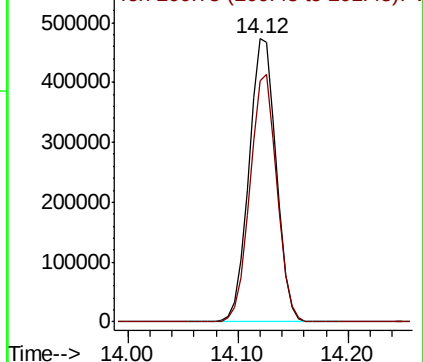
201 85.1 43.7 131.1

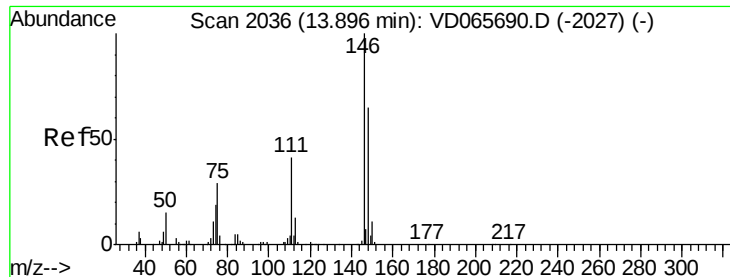


Abundance

Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 146.734 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Instrument :

MSVOA_D

ClientSampled :

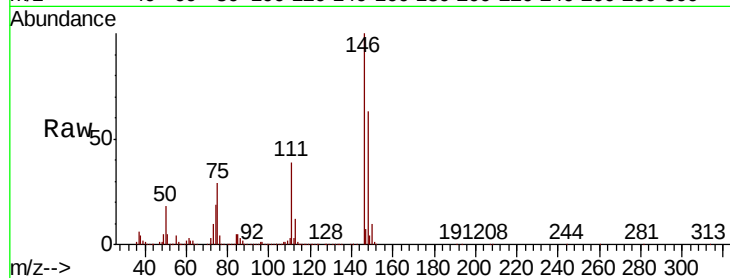
Tot Ion:146 Resp: 1853586

Ion Ratio Lower Upper

146 100

111 38.5 20.3 60.8

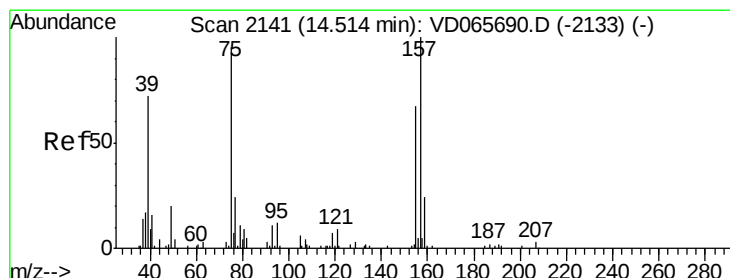
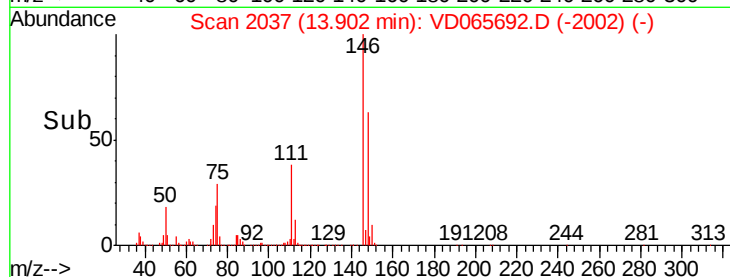
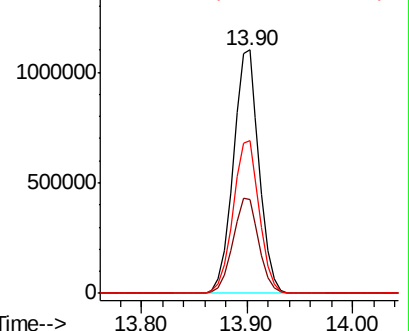
148 62.8 32.5 97.4



Abundance Ion 145.95 (145.65 to 146.65): 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: 151.668 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.01 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

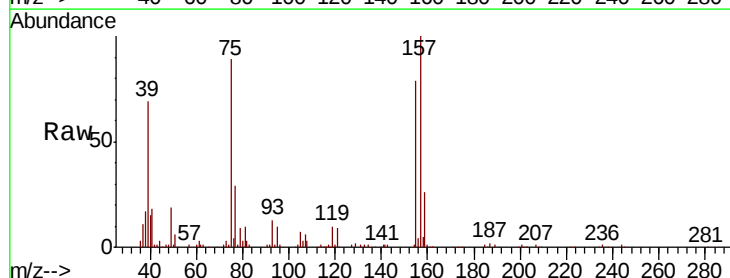
Tgt Ion: 75 Resp: 122261

Ion Ratio Lower Upper

75 100

155 88.9 35.4 106.3

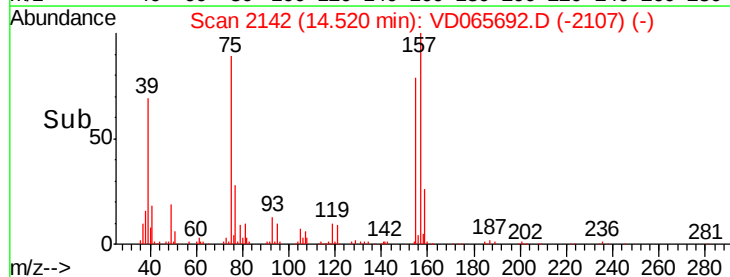
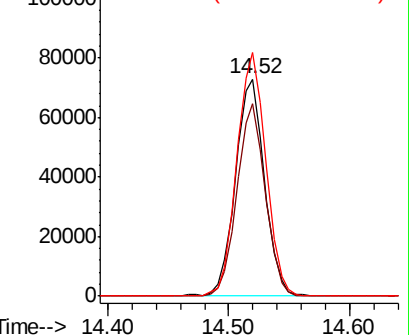
157 112.2 52.6 157.8

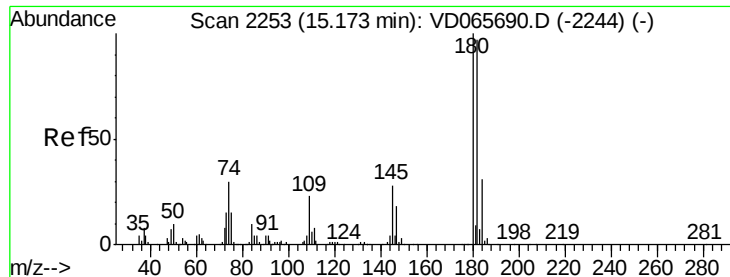


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

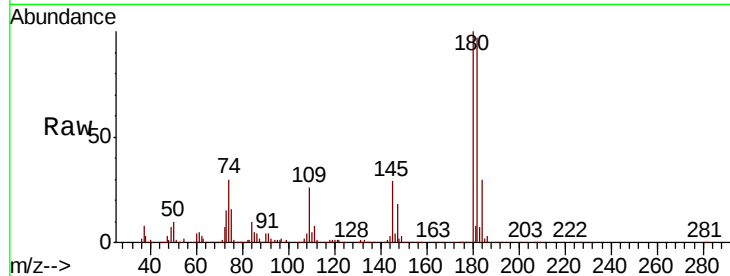




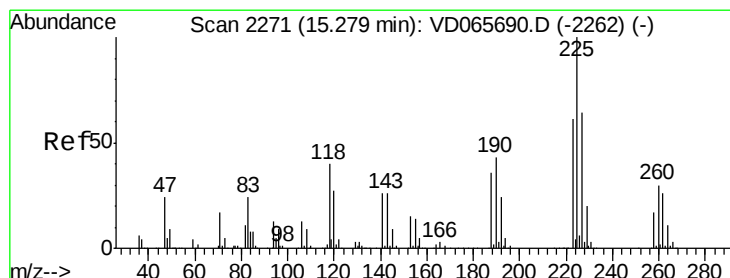
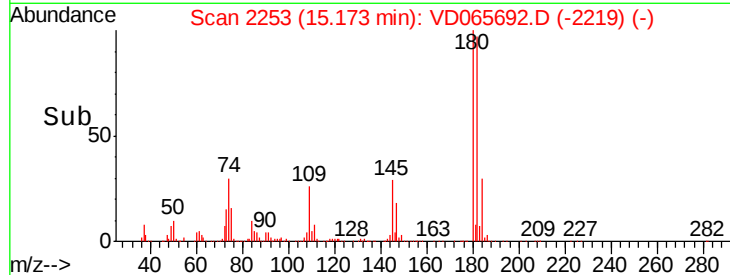
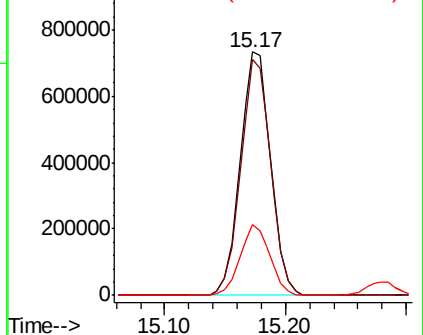
#93
 1,2,4-Trichlorobenzene
 Concen: 184.499 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065692.D
 Acq: 01 May 2020 20:08

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 1285576
 Ion Ratio Lower Upper
 180 100
 182 97.1 48.5 145.5
 145 29.3 14.2 42.6

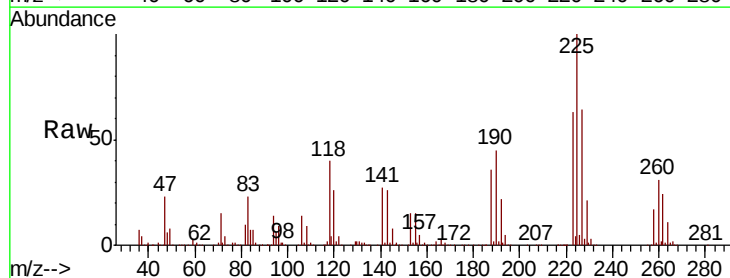


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

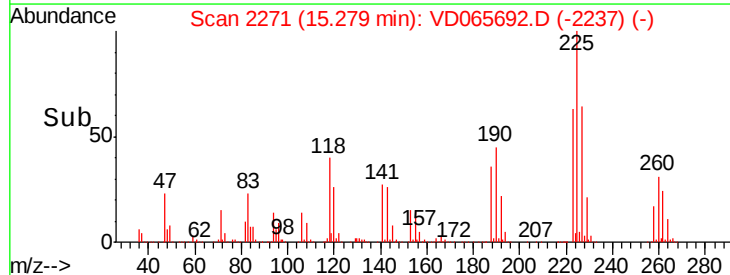
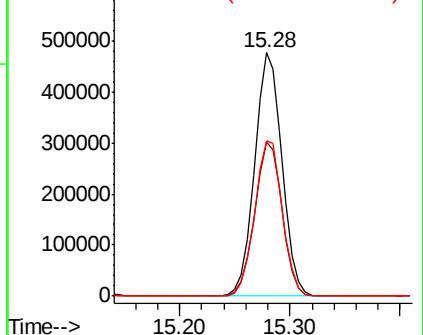


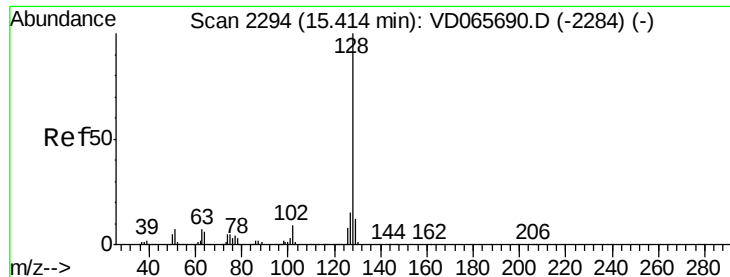
#94
 Hexachlorobutadiene
 Concen: 162.848 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065692.D
 Acq: 01 May 2020 20:08

Tgt Ion:225 Resp: 824567
 Ion Ratio Lower Upper
 225 100
 223 63.5 30.4 91.3
 227 63.9 32.0 96.0



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 188.600 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

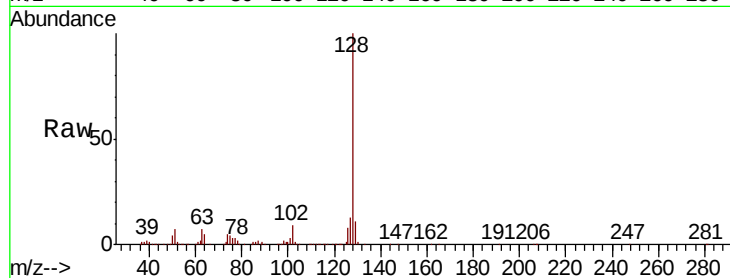
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:128 Resp: 2128946

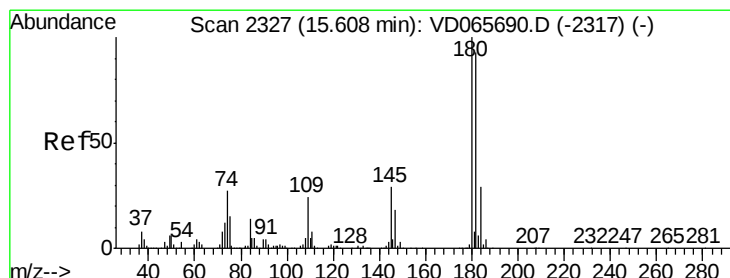
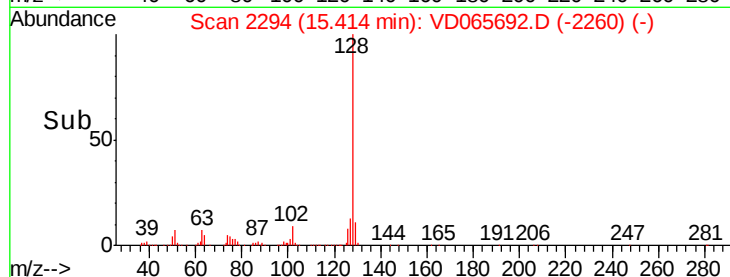
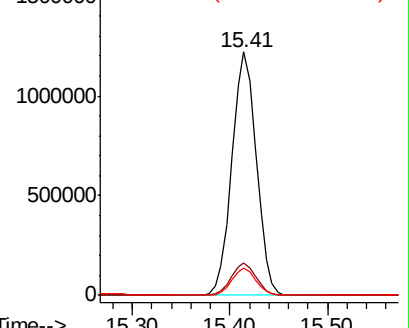
Ion	Ratio	Lower	Upper
128	100		
127	13.2	11.8	17.6
129	11.1	9.6	14.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 255.440 ug/l

RT: 15.61 min Scan# 2327

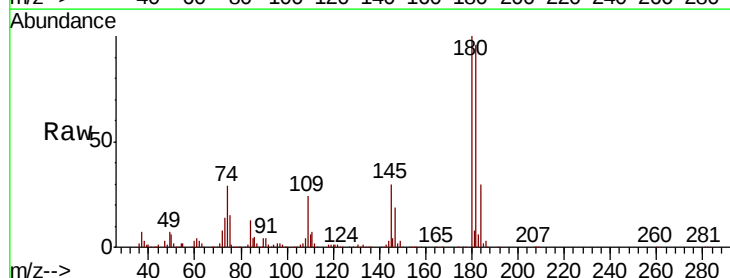
Delta R.T. 0.00 min

Lab File: VD065692.D

Acq: 01 May 2020 20:08

Tgt Ion:180 Resp: 1116270

Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.6	139.7
145	30.4	14.5	43.6



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

