

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050120\
 Data File : VD065690.D
 Acq On : 01 May 2020 19:14
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 02 02:58:59 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	7.98	168	604624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	852558	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	790401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	423594	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	323792	63.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.20%	
35) Dibromofluoromethane	7.92	113	298005	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
50) Toluene-d8	10.34	98	1107426	71.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.70%	
62) 4-Bromofluorobenzene	12.64	95	358937	60.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	143217	28.910	ug/l	100
3) Chloromethane	2.21	50	278995	57.996	ug/l	100
4) Vinyl Chloride	2.35	62	347439	74.656	ug/l	100
5) Bromomethane	2.77	94	213716	125.496	ug/l	100
6) Chloroethane	2.92	64	230409	114.383	ug/l	100
7) Trichlorofluoromethane	3.27	101	452686	66.661	ug/l	100
8) Diethyl Ether	3.71	74	119548	65.694	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	272029	47.109	ug/l	100
10) Methyl Iodide	4.30	142	258577	38.478	ug/l	100
11) Tert butyl alcohol	5.23	59	87977	310.244	ug/l	100
12) 1,1-Dichloroethene	4.07	96	244537	49.426	ug/l	100
13) Acrolein	3.93	56	134355	409.759	ug/l	100
14) Allyl chloride	4.71	41	427075	60.192	ug/l	100
15) Acrylonitrile	5.42	53	300932	335.489	ug/l	100
16) Acetone	4.16	43	263147	235.306	ug/l	100
17) Carbon Disulfide	4.41	76	792073	54.314	ug/l	100
18) Methyl Acetate	4.72	43	155204	62.541	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	572790	56.498	ug/l	100
20) Methylene Chloride	4.96	84	314922	49.033	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	295964	51.808	ug/l	100
22) Diisopropyl ether	6.37	45	887859	54.829	ug/l	100
23) Vinyl Acetate	6.31	43	2552705	298.308	ug/l	100
24) 1,1-Dichloroethane	6.27	63	531096	54.236	ug/l	100
25) 2-Butanone	7.21	43	386828	273.843	ug/l	100
26) 2,2-Dichloropropane	7.21	77	450104	52.951	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	313341	48.286	ug/l	100
28) Bromochloromethane	7.55	49	215735	57.010	ug/l	100
29) Tetrahydrofuran	7.56	42	249846	342.560	ug/l	100
30) Chloroform	7.71	83	549225	50.840	ug/l	100
31) Cyclohexane	7.98	56	459770	62.457	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	493433	52.532	ug/l	100
36) 1,1-Dichloropropene	8.11	75	418823	60.512	ug/l	100
37) Ethyl Acetate	7.30	43	181969	60.418	ug/l	100
38) Carbon Tetrachloride	8.10	117	460783	54.572	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	469755	66.798	ug/l	100
40) Benzene	8.36	78	1172091	66.430	ug/l	100
41) Methacrylonitrile	7.56	41	256479	82.649	ug/l #	68
42) 1,2-Dichloroethane	8.43	62	372714	62.739	ug/l	100
43) Isopropyl Acetate	9.53	43	241557	56.333	ug/l	100
44) Trichloroethene	9.11	130	315137	49.503	ug/l	100
45) 1,2-Dichloropropane	9.39	63	298618	66.543	ug/l	100
46) Dibromomethane	9.48	93	159251	52.407	ug/l	100
47) Bromodichloromethane	9.67	83	425224	57.607	ug/l	100
48) Methyl methacrylate	9.46	41	177928	68.656	ug/l	100
49) 1,4-Dioxane	9.46	88	37488	1373.181	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	904028	331.557	ug/l	100
52) Toluene	10.41	92	753630	66.108	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	386584	62.068	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	452742	59.728	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	215678	58.688	ug/l	100
56) Ethyl methacrylate	10.67	69	252592	61.267	ug/l	100
57) 1,3-Dichloropropane	10.95	76	370057	63.482	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	527058	278.366	ug/l	100
59) 2-Hexanone	10.99	43	612903	306.368	ug/l	100
60) Dibromochloromethane	11.14	129	288174	49.284	ug/l	100
61) 1,2-Dibromoethane	11.25	107	208997	49.212	ug/l	100
64) Tetrachloroethene	10.88	164	280298	49.545	ug/l	100
65) Chlorobenzene	11.67	112	790632	52.045	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	307410	48.584	ug/l	100
67) Ethyl Benzene	11.75	91	1424369	56.346	ug/l	100
68) m/p-Xylenes	11.86	106	1107665	119.137	ug/l	100
69) o-Xylene	12.18	106	477413	56.812	ug/l	100
70) Styrene	12.20	104	876537	59.900	ug/l	100
71) Bromoform	12.37	173	174893	48.415	ug/l	100
73) Isopropylbenzene	12.48	105	1331375	47.179	ug/l	100
74) N-amyl acetate	12.30	43	304379	42.718	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	232328	42.972	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	313827	62.739	ug/l	100
77) Bromobenzene	12.77	156	337862	42.504	ug/l	100
78) n-propylbenzene	12.83	91	1616286	49.347	ug/l	100
79) 2-Chlorotoluene	12.91	91	899620	46.137	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1125859	49.435	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	74481	45.961	ug/l	100
82) 4-Chlorotoluene	13.01	91	955265	44.766	ug/l	100
83) tert-Butylbenzene	13.23	119	936464	37.591	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	1133128	52.614	ug/l	100
85) sec-Butylbenzene	13.41	105	1324435	47.204	ug/l	100
86) p-Isopropyltoluene	13.53	119	1260244	50.212	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	645664	45.859	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	628067	47.656	ug/l	100
89) n-Butylbenzene	13.86	91	1138815	49.921	ug/l	100
90) Hexachloroethane	14.12	117	250653	38.543	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	554404	47.282	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	39844	53.250	ug/l	100

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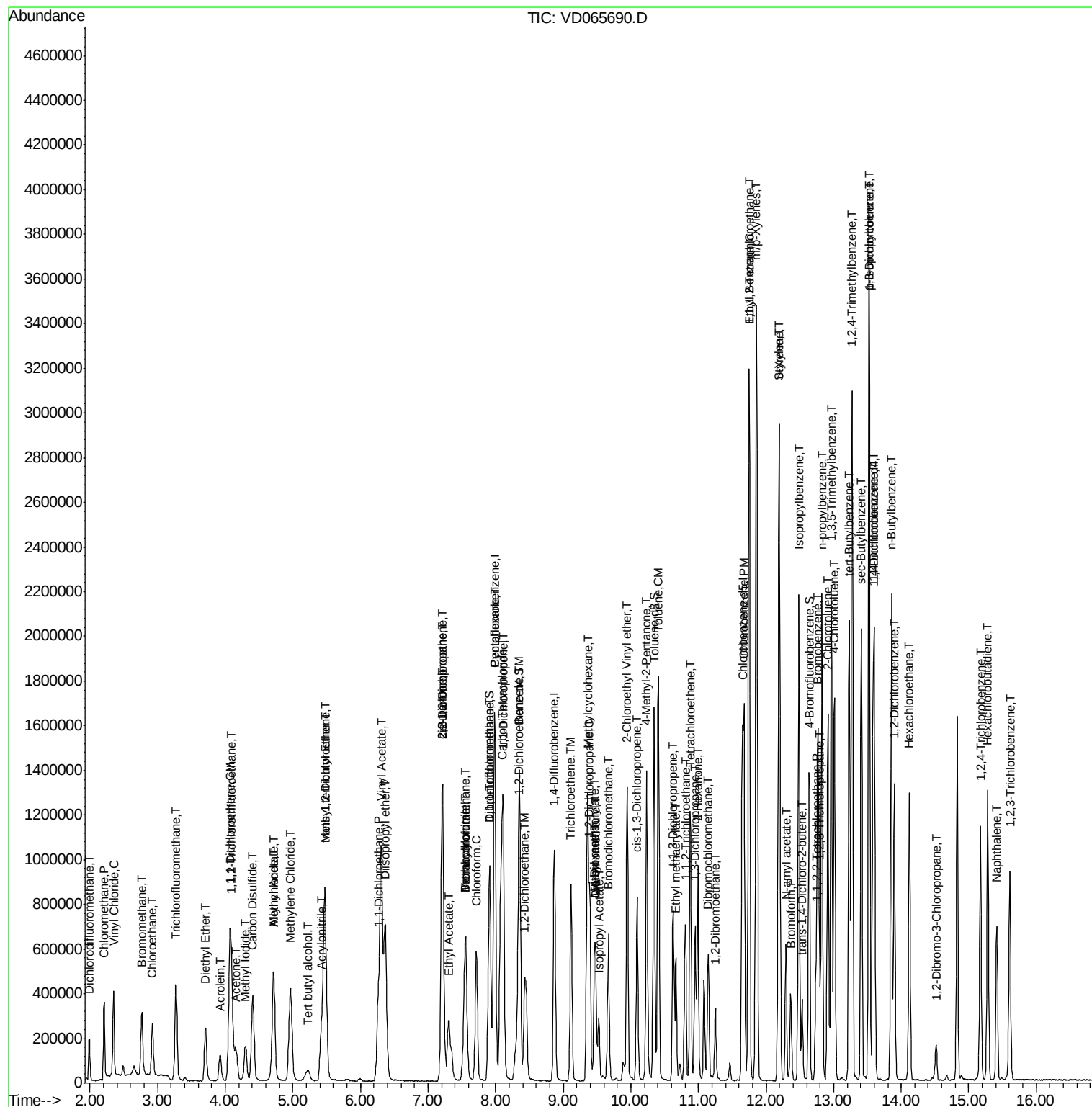
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	371998	57.516	ug/l	100
94) Hexachlorobutadiene	15.28	225	258275	54.953	ug/l	100
95) Naphthalene	15.41	128	581238	55.473	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	334764	82.530	ug/l	100

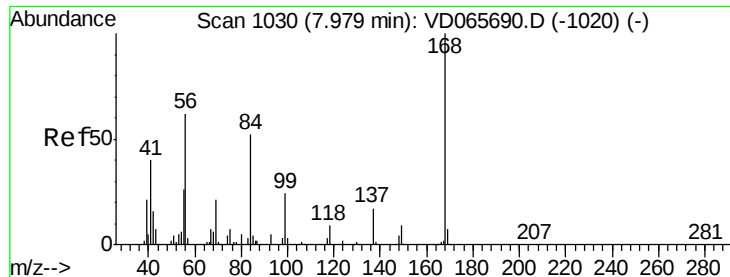
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

Instrument :

MSVOA_D

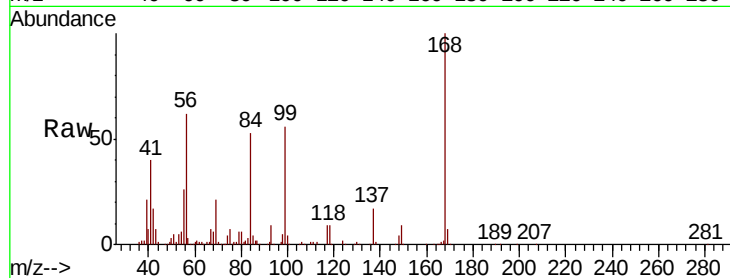
ClientSampled :

Tot Ion:168 Resp: 604624

Ion Ratio Lower Upper

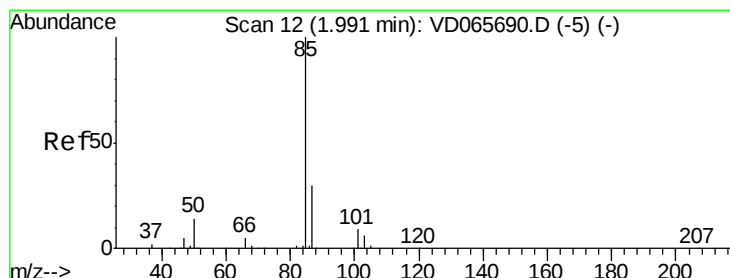
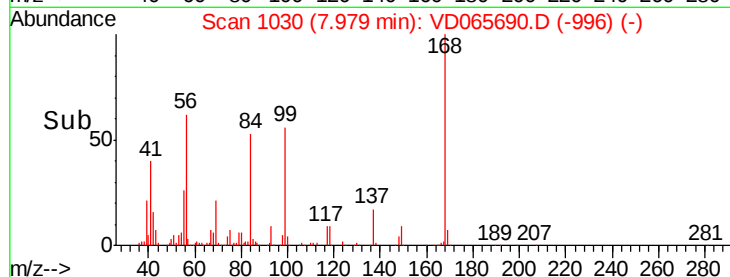
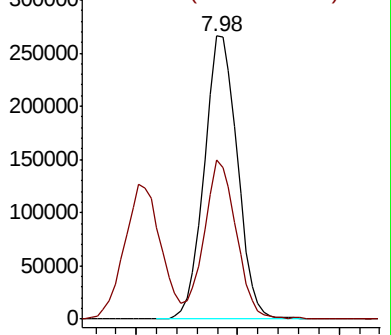
168 100

99 56.0 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: 28.910 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065690.D

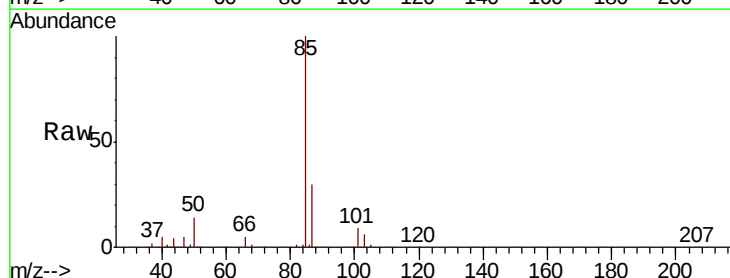
Acq: 01 May 2020 19:14

Tgt Ion: 85 Resp: 143217

Ion Ratio Lower Upper

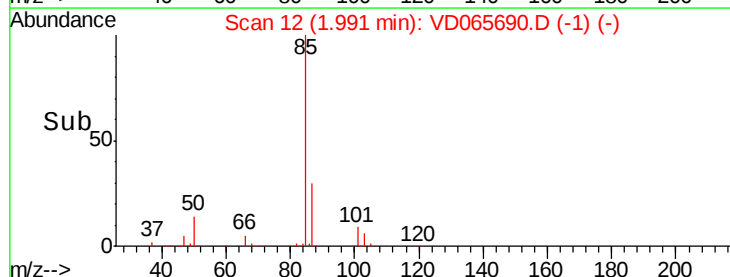
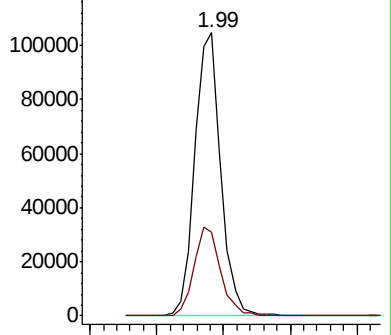
85 100

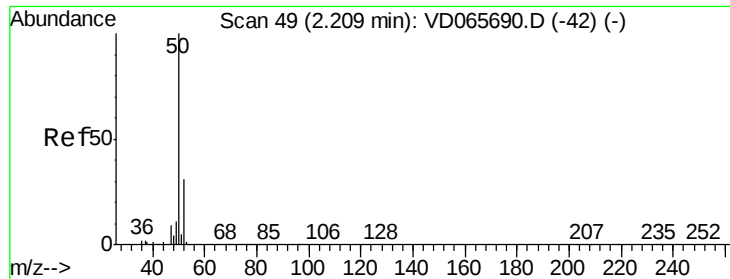
87 29.7 14.9 44.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 57.996 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

Instrument :

MSVOA_D

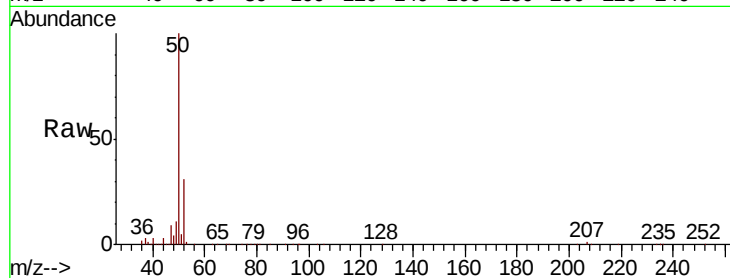
ClientSampleId :

Tot Ion: 50 Resp: 278995

Ion Ratio Lower Upper

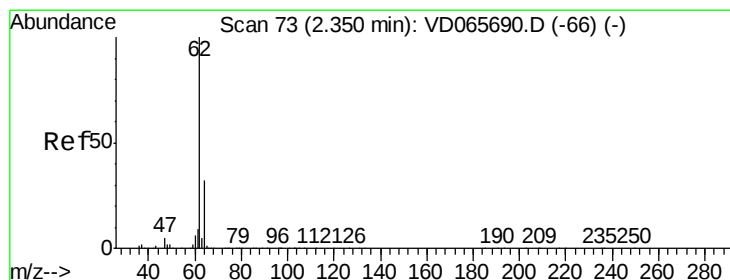
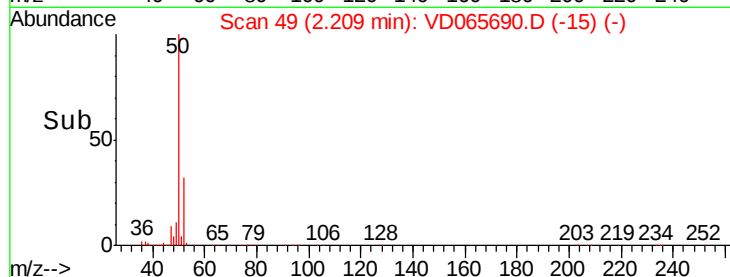
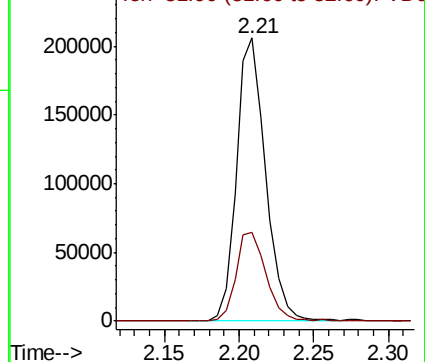
50 100

52 31.5 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 74.656 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065690.D

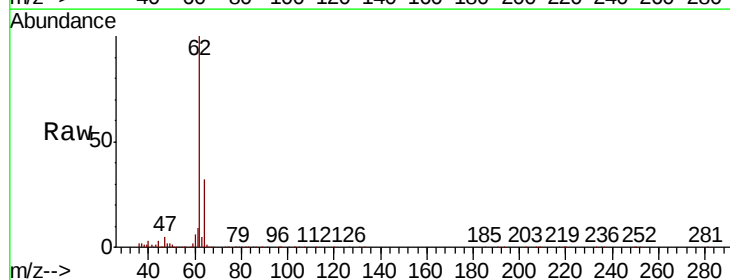
Acq: 01 May 2020 19:14

Tgt Ion: 62 Resp: 347439

Ion Ratio Lower Upper

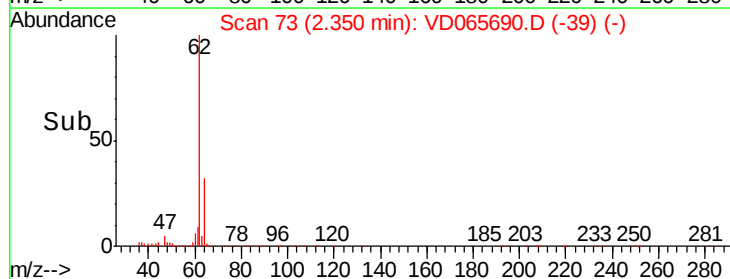
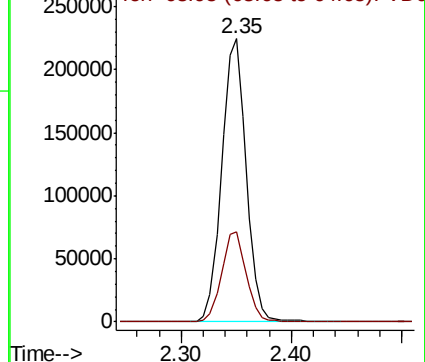
62 100

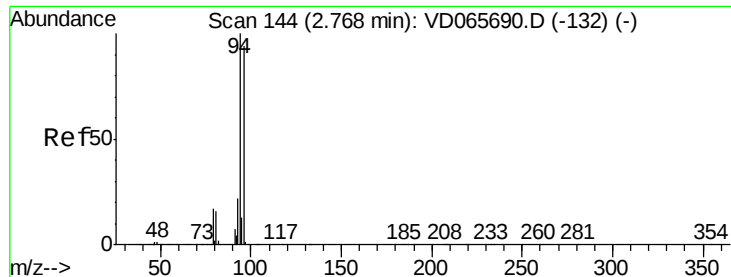
64 31.7 25.4 38.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 125.496 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

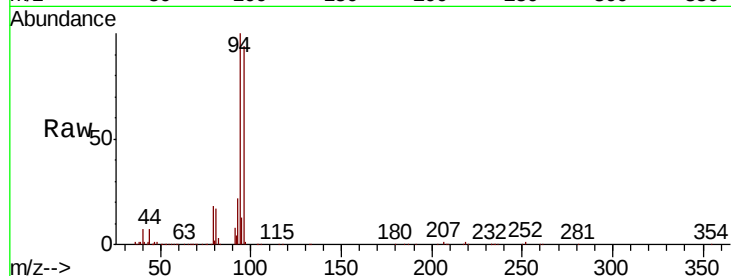
Lab File: VD065690.D

Acq: 01 May 2020 19:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 213716

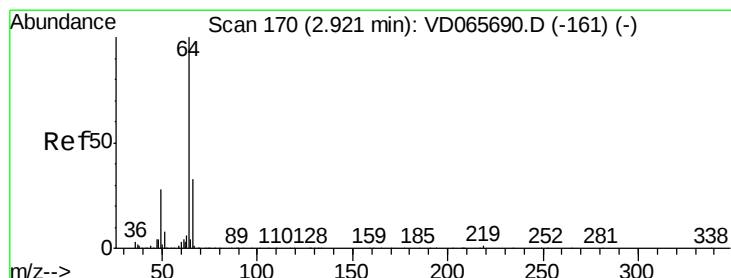
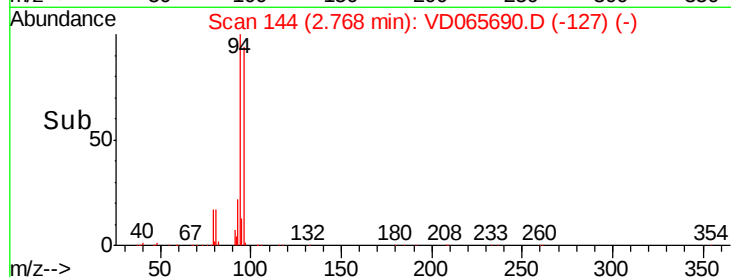
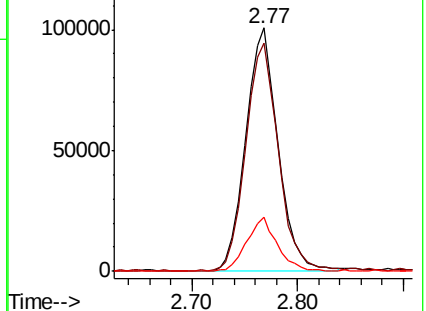
Ion	Ratio	Lower	Upper
94	100		
96	93.9	75.1	112.7
93	22.2	17.8	26.6



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: 114.383 ug/l

RT: 2.92 min Scan# 170

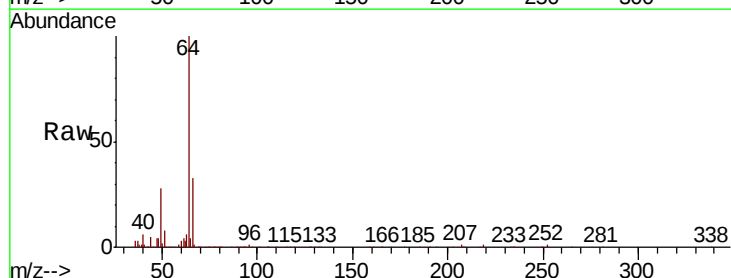
Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

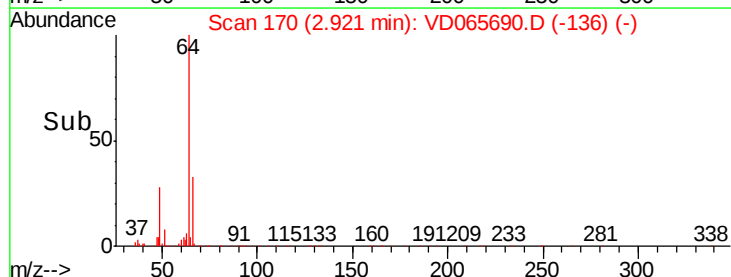
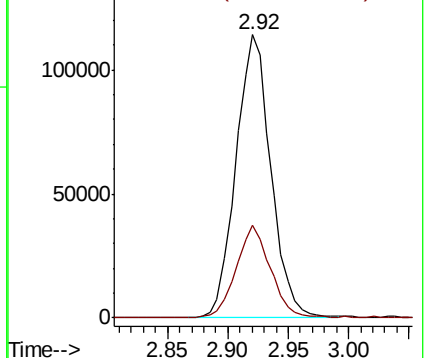
Tgt Ion: 64 Resp: 230409

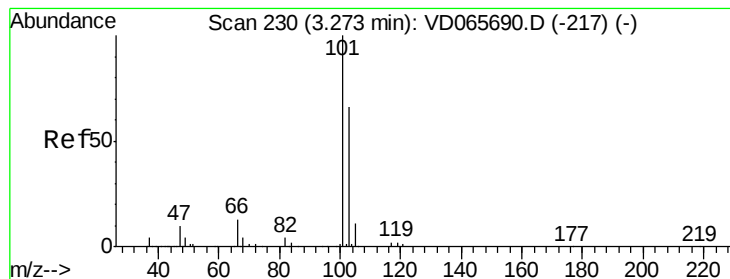
Ion	Ratio	Lower	Upper
64	100		
66	32.7	26.2	39.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



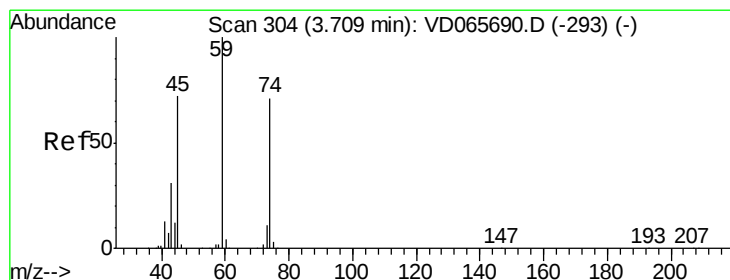
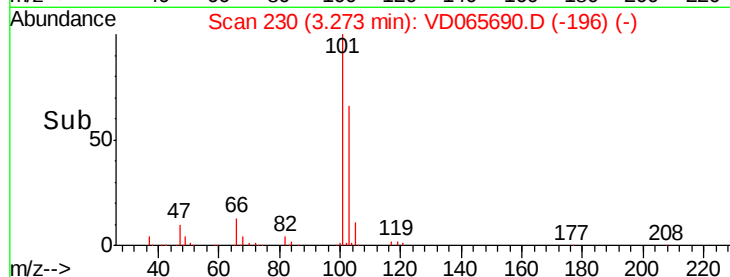
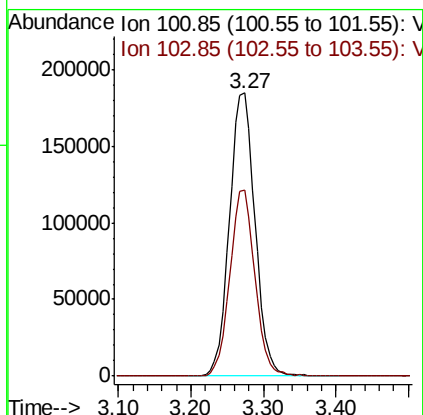
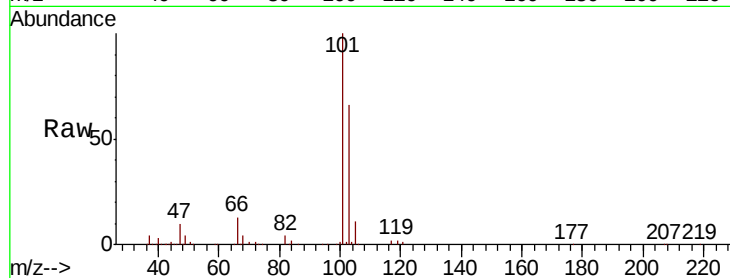


#7

Trichlorofluoromethane
 Concen: 66.661 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065690.D
 Acq: 01 May 2020 19:14

Instrument :
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 ClientSampleId :

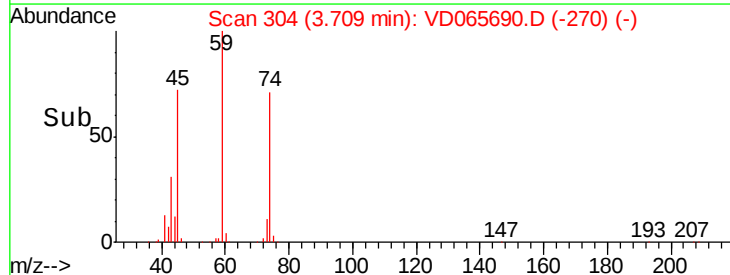
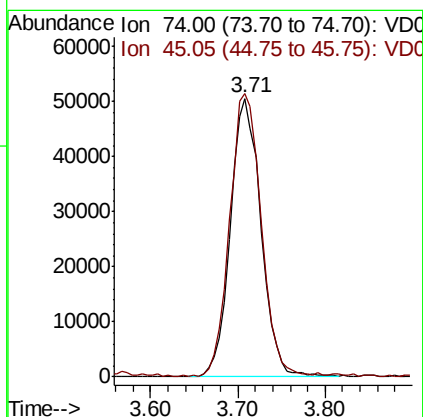
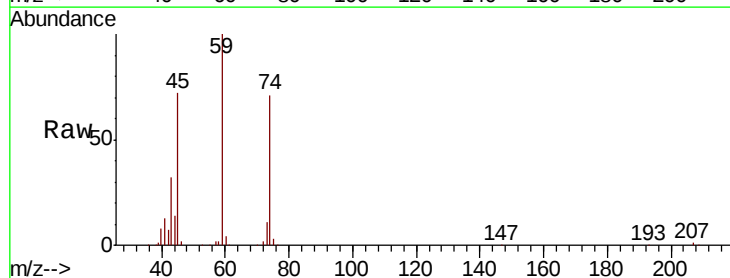
Tot Ion:101 Resp: 452686
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.6 79.0

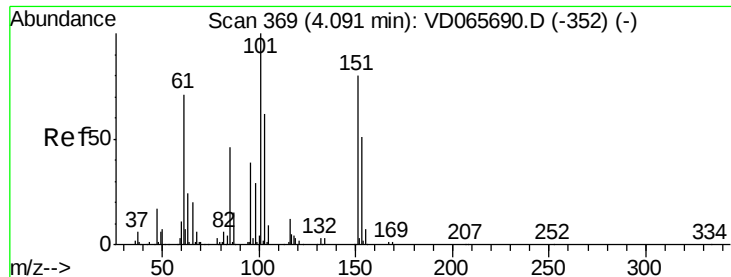


#8

Diethyl Ether
 Concen: 65.694 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065690.D
 Acq: 01 May 2020 19:14

Tgt Ion: 74 Resp: 119548
 Ion Ratio Lower Upper
 74 100
 45 101.6 50.8 152.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.109 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

Instrument :

MSVOA_D

ClientSampled :

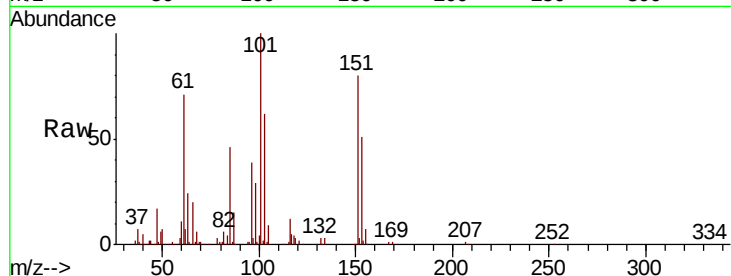
Tot Ion:101 Resp: 272029

Ion Ratio Lower Upper

101 100

85 45.9 36.7 55.1

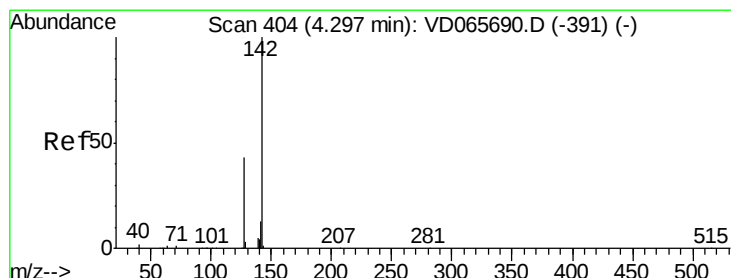
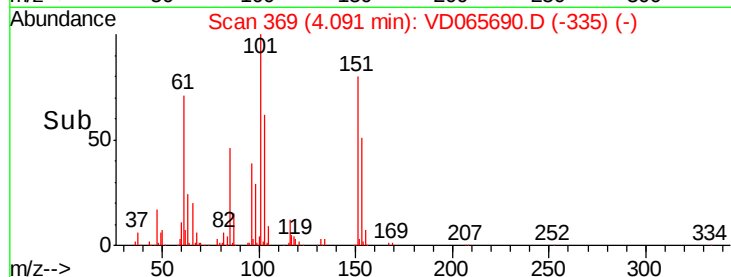
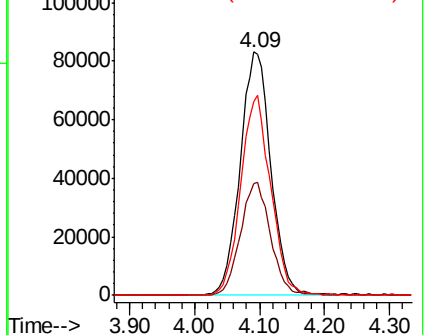
151 79.7 63.8 95.6



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: 38.478 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

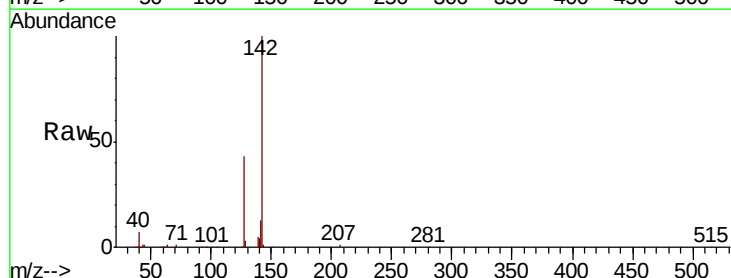
Tgt Ion:142 Resp: 258577

Ion Ratio Lower Upper

142 100

127 42.9 34.3 51.5

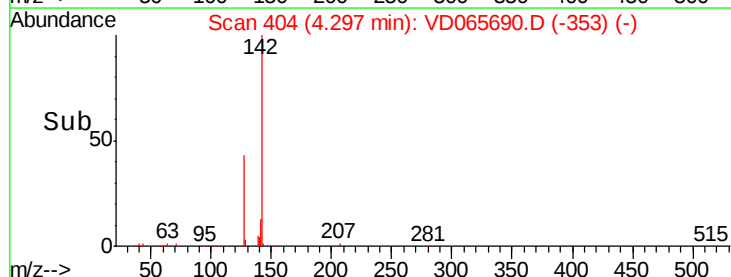
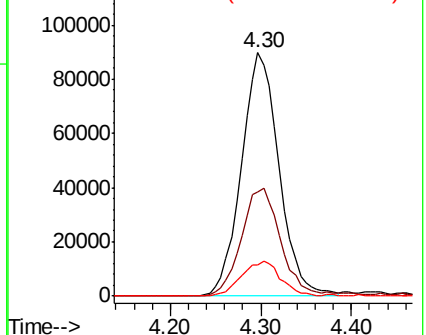
141 12.9 10.3 15.5

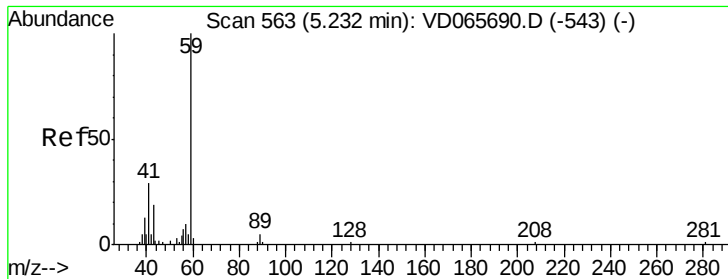


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

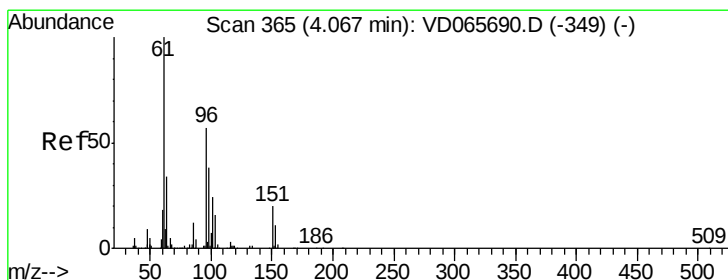
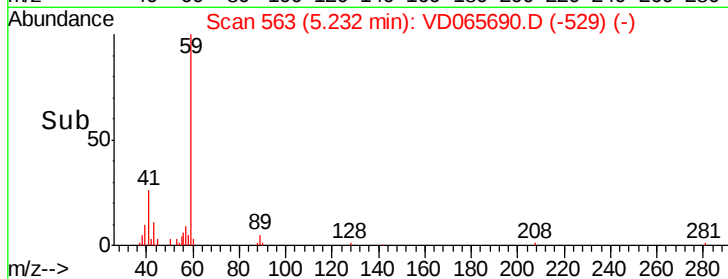
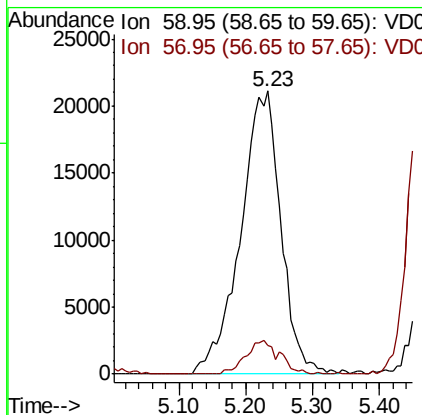
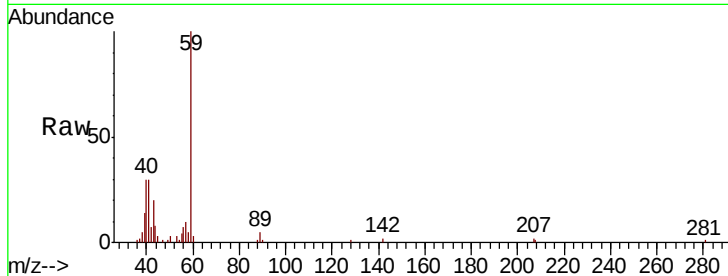




#11
Tert butyl alcohol
Concen: 310.244 ug/l
RT: 5.23 min Scan# 563
Delta R.T. 0.00 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

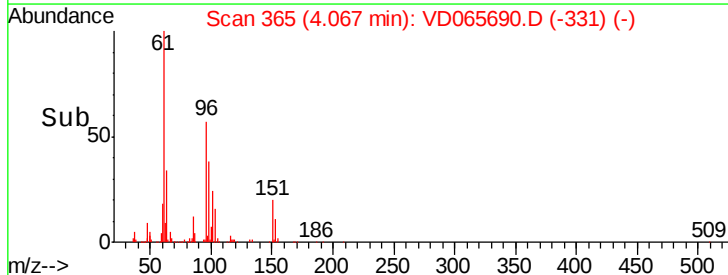
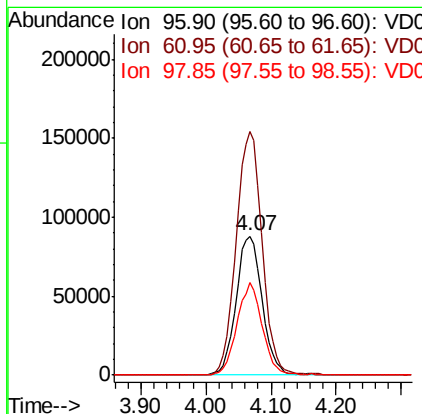
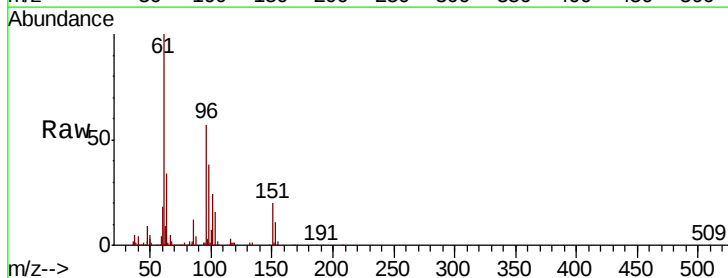
Instrument :
MSVOA_D
ClientSampleId :

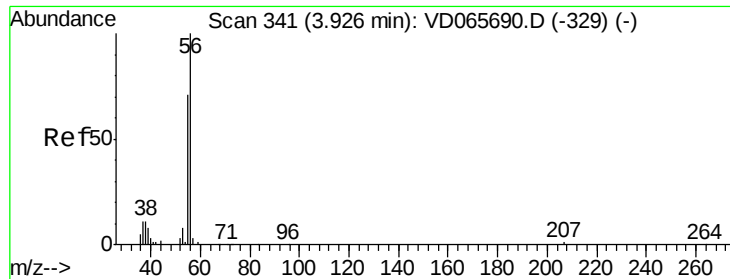
Tot Ion: 59 Resp: 87977
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.4



#12
1,1-Dichloroethene
Concen: 49.426 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

Tgt Ion: 96 Resp: 244537
Ion Ratio Lower Upper
96 100
61 175.5 140.4 210.6
98 66.8 53.4 80.2

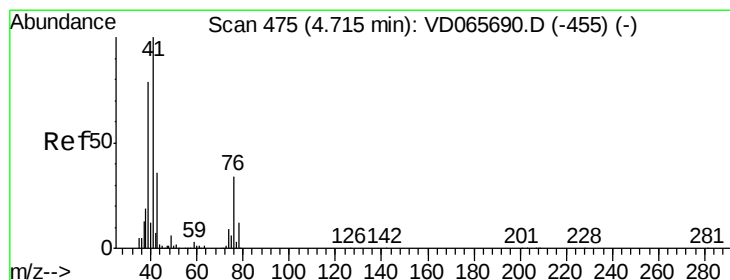
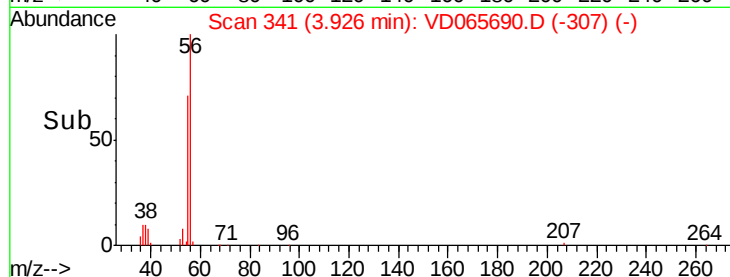
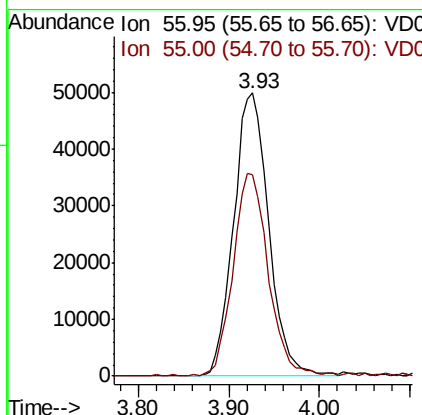
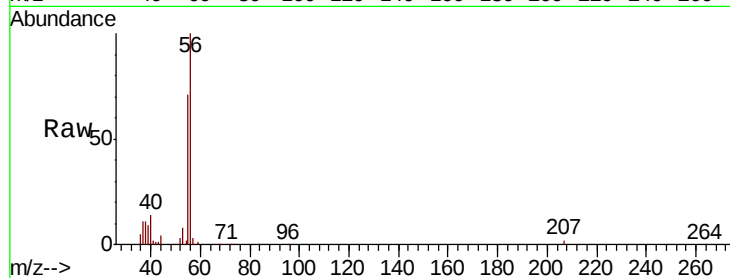




#13
Acrolein
Concen: 409.759 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

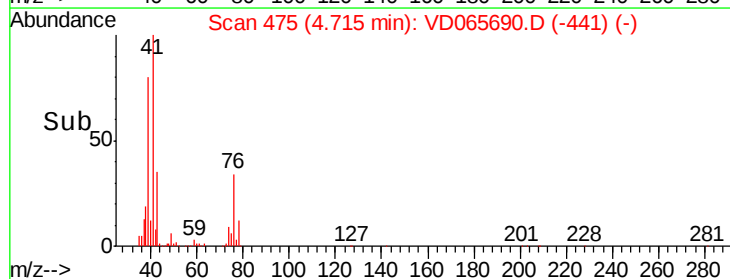
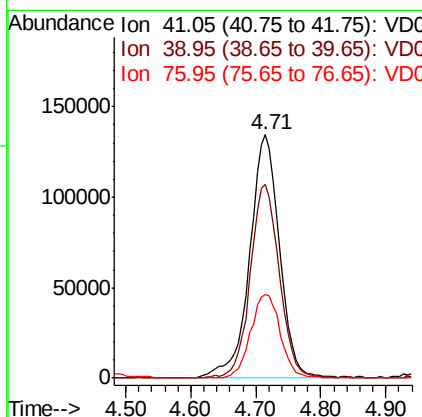
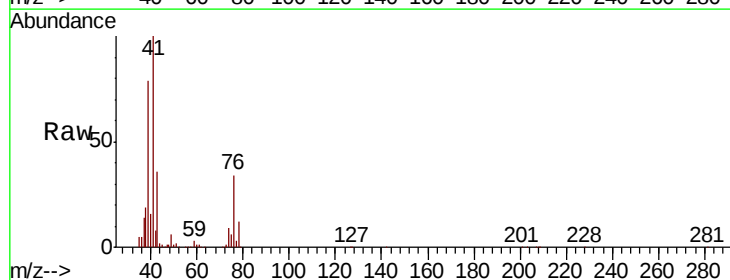
Instrument :
MSVOA_D
ClientSampleId :

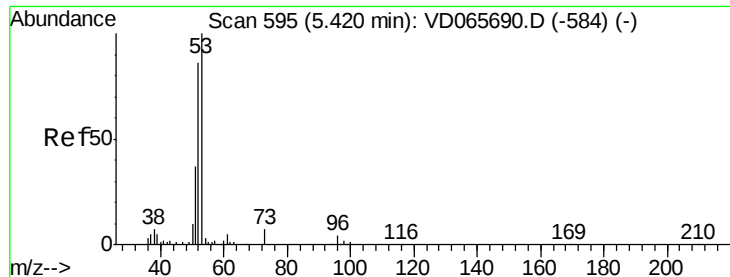
Tot Ion: 56 Resp: 134355
Ion Ratio Lower Upper
56 100
55 71.0 56.8 85.2



#14
Allyl chloride
Concen: 60.192 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

Tgt Ion: 41 Resp: 427075
Ion Ratio Lower Upper
41 100
39 79.5 63.6 95.4
76 34.2 27.4 41.0





#15

Acrylonitrile

Concen: 335.489 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

Instrument :

MSVOA_D

ClientSampleId :

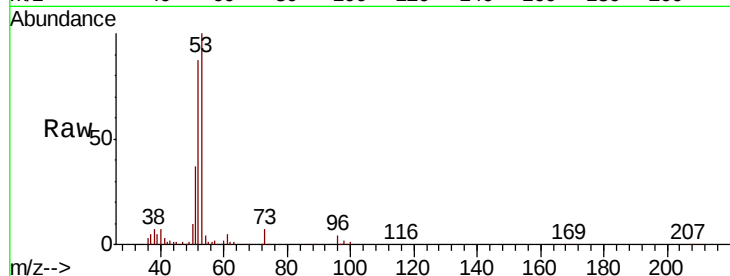
Tot Ion: 53 Resp: 300932

Ion Ratio Lower Upper

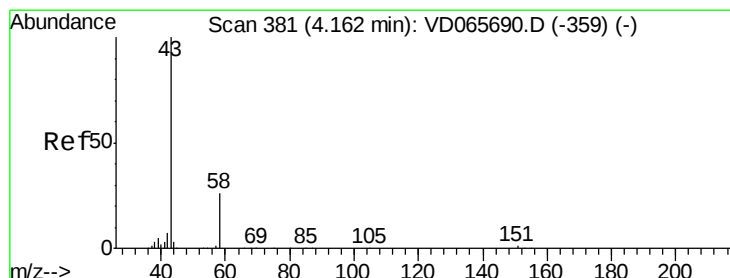
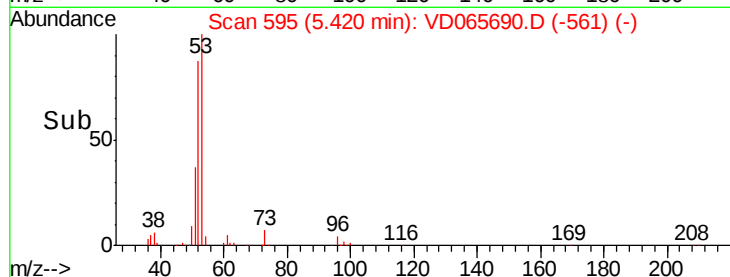
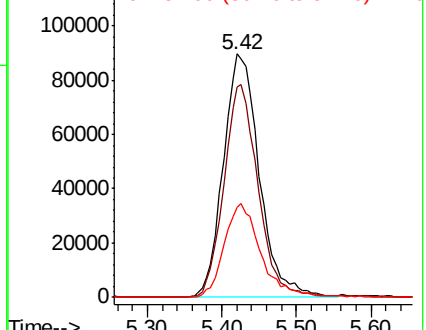
53 100

52 86.6 69.3 103.9

51 37.2 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: 235.306 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD065690.D

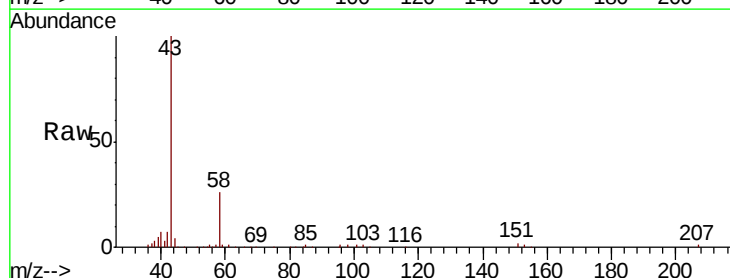
Acq: 01 May 2020 19:14

Tgt Ion: 43 Resp: 263147

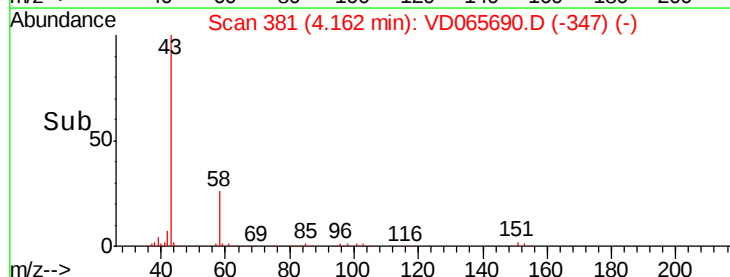
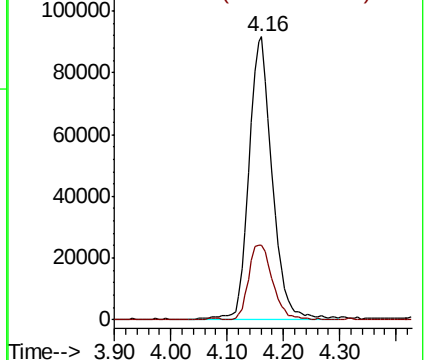
Ion Ratio Lower Upper

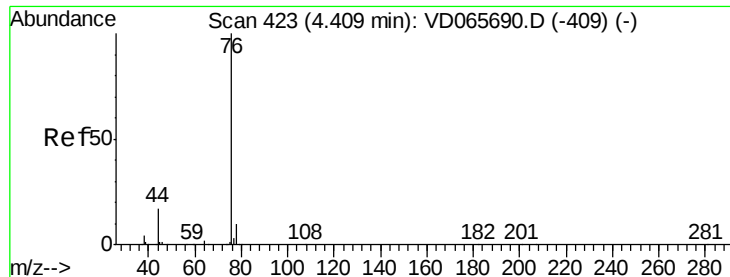
43 100

58 26.3 21.0 31.6



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

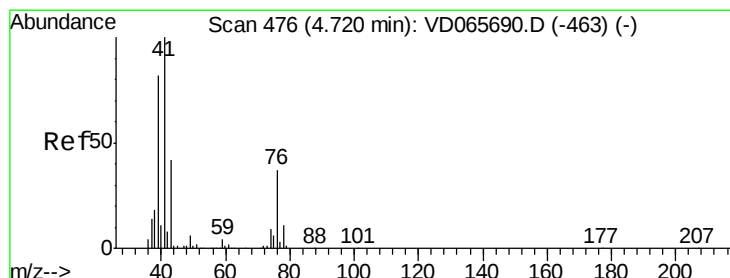
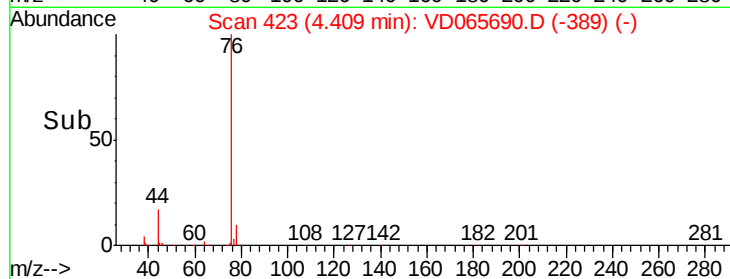
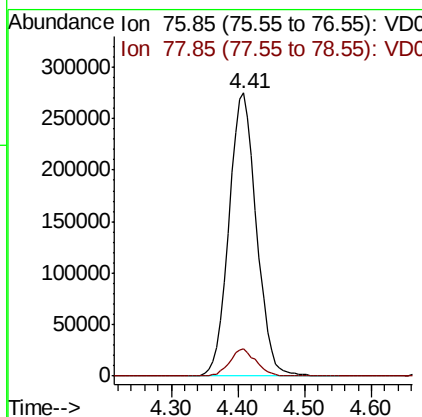
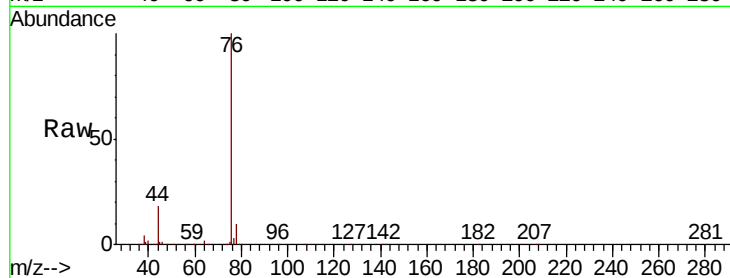




#17
Carbon Disulfide
Concen: 54.314 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

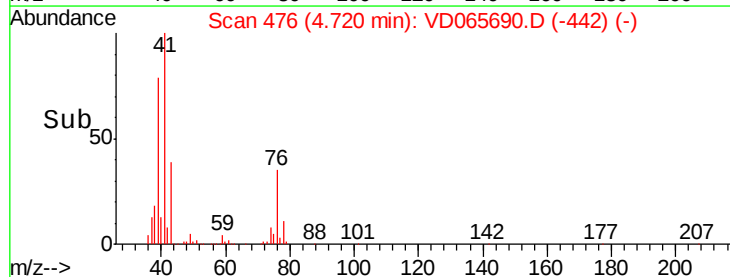
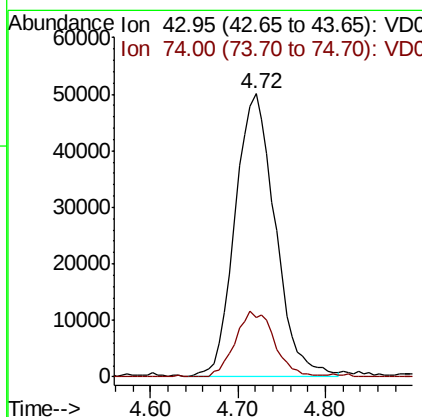
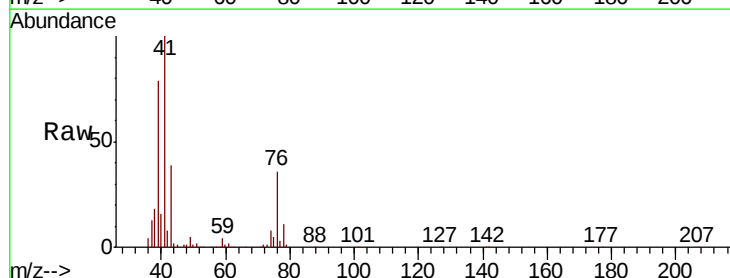
Instrument :
MSVOA_D
ClientSampled :

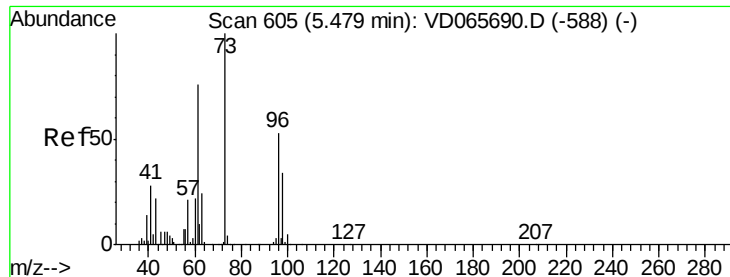
Tot Ion: 76 Resp: 792073
Ion Ratio Lower Upper
76 100
78 9.7 7.8 11.6



#18
Methyl Acetate
Concen: 62.541 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

Tgt Ion: 43 Resp: 155204
Ion Ratio Lower Upper
43 100
74 21.1 16.9 25.3

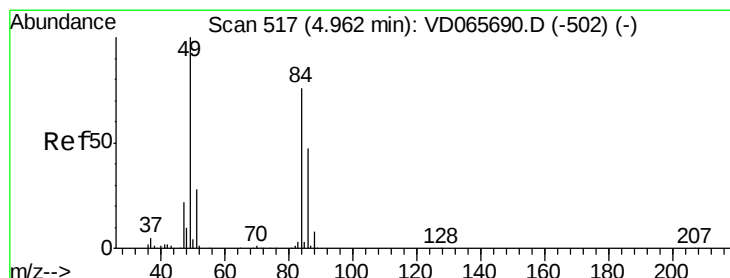
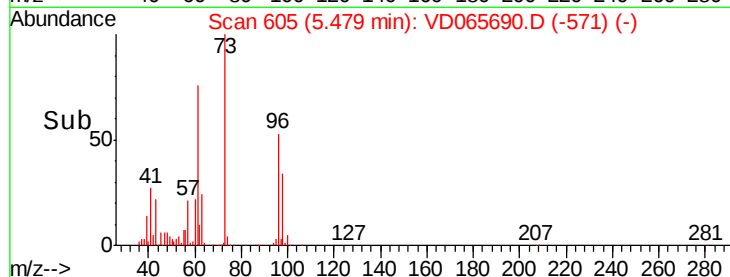
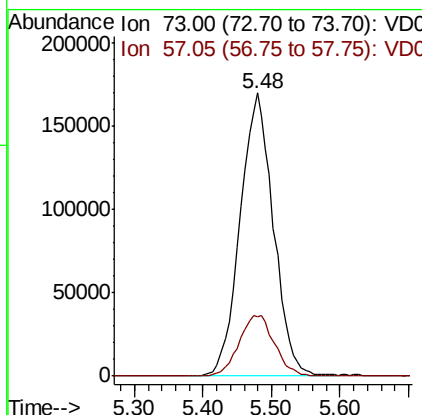
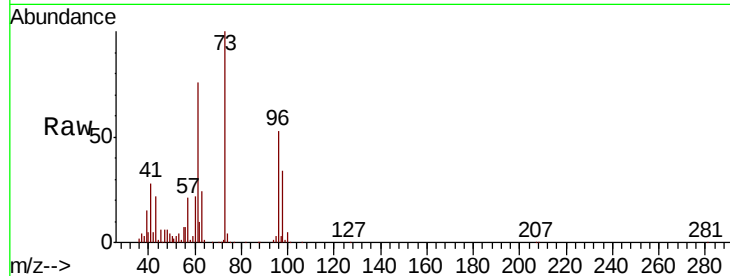




#19
Methvl tert-butvl Ether
Concen: 56.498 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

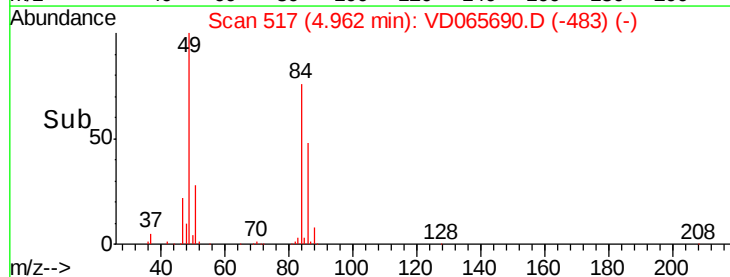
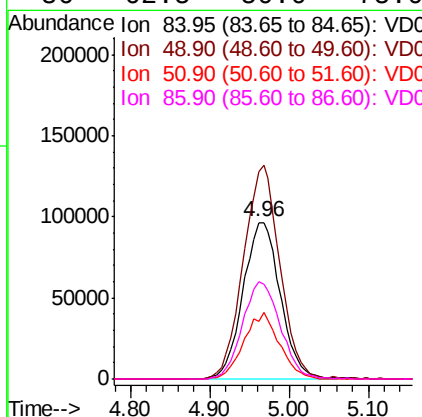
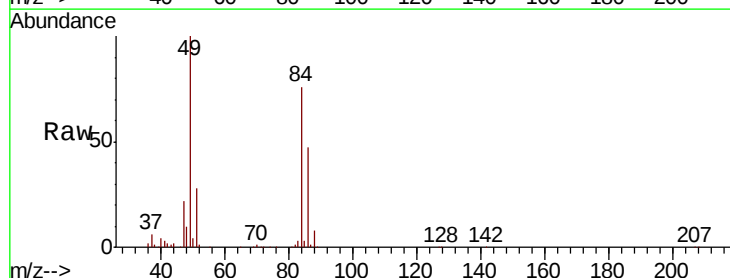
Instrument :
MSVOA_D
ClientSampleId :

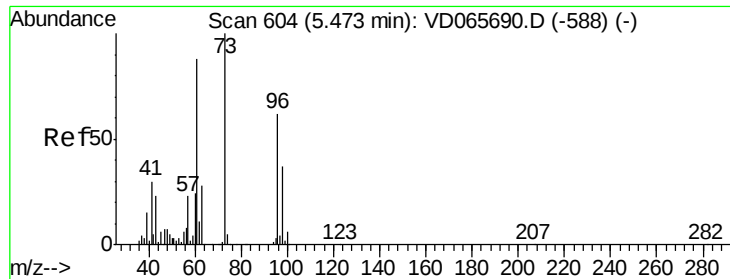
Tot Ion: 73 Resp: 572790
Ion Ratio Lower Upper
73 100
57 21.0 16.8 25.2



#20
Methylene Chloride
Concen: 49.033 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

Tgt Ion: 84 Resp: 314922
Ion Ratio Lower Upper
84 100
49 132.2 105.8 158.6
51 36.8 29.4 44.2
86 62.5 50.0 75.0

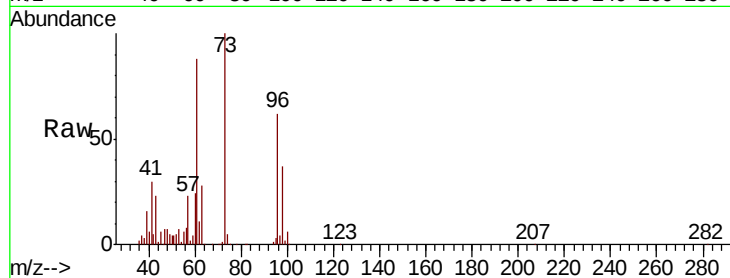




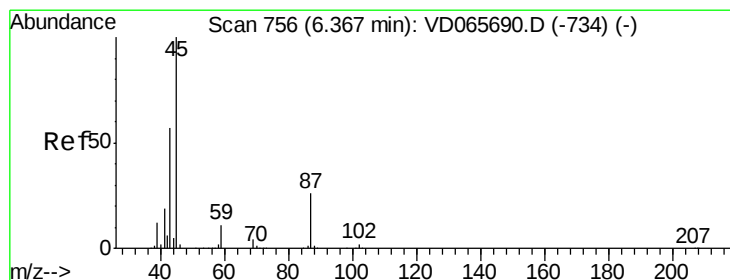
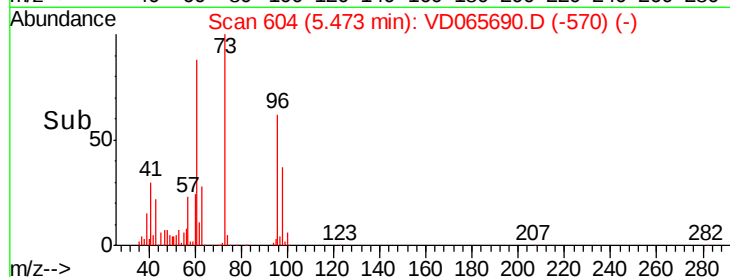
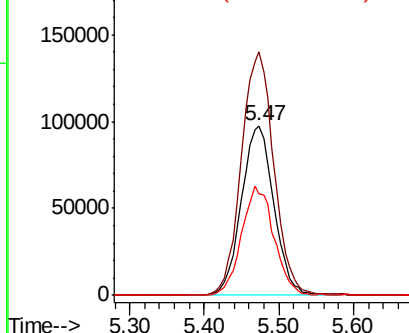
#21
trans-1,2-Dichloroethene
Concen: 51.808 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.5	114.8	172.2
98	59.9	47.9	71.9

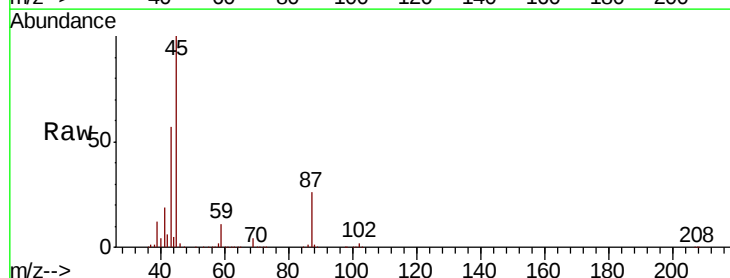


Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

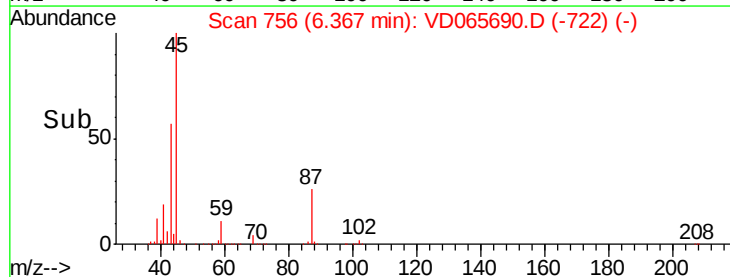
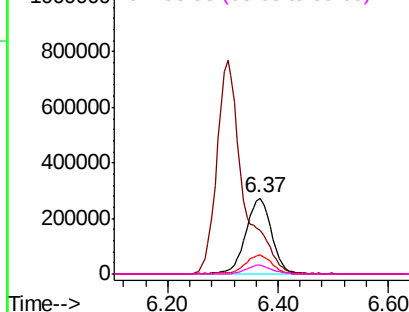


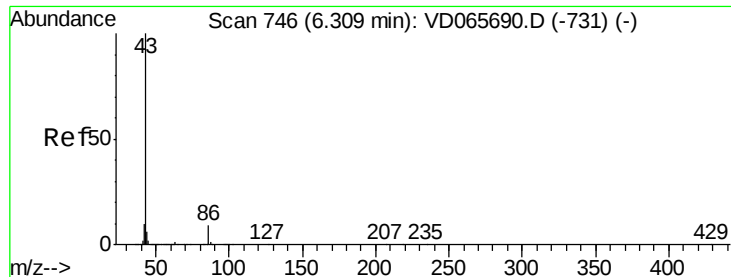
#22
Diisopropyl ether
Concen: 54.829 ug/l
RT: 6.37 min Scan# 756
Delta R.T. 0.00 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.2	45.8	68.6
87	25.8	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: 298.308 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

Instrument :

MSVOA_D

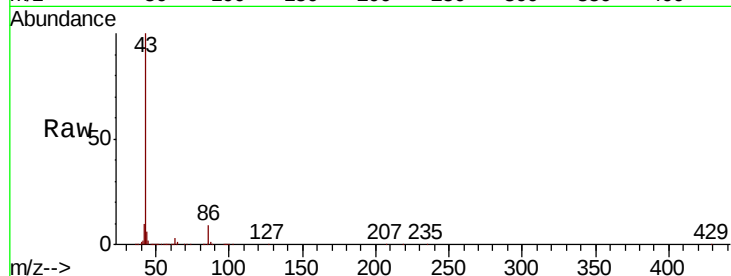
ClientSampled :

Tot Ion: 43 Resp: 2552705

Ion Ratio Lower Upper

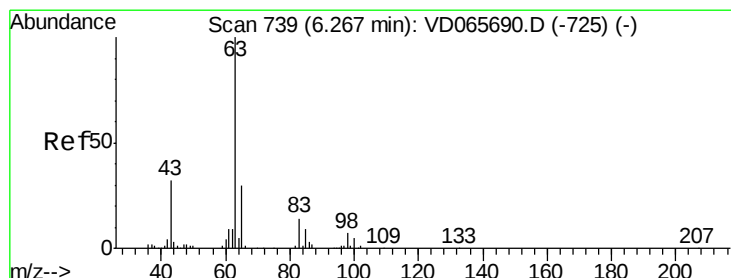
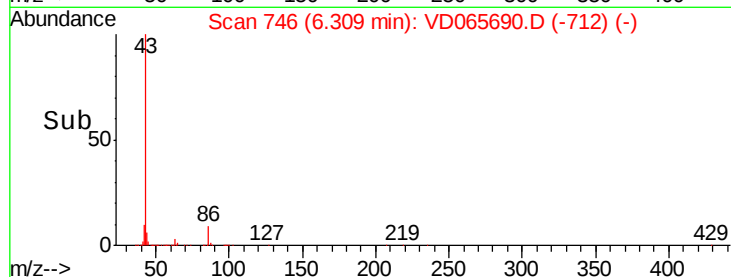
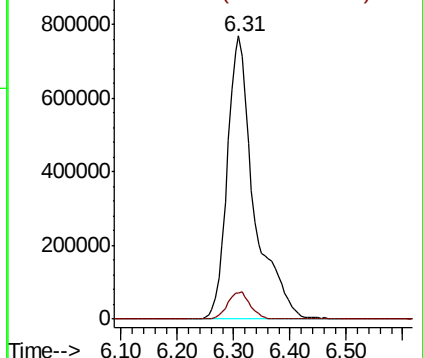
43 100

86 9.3 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: 54.236 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

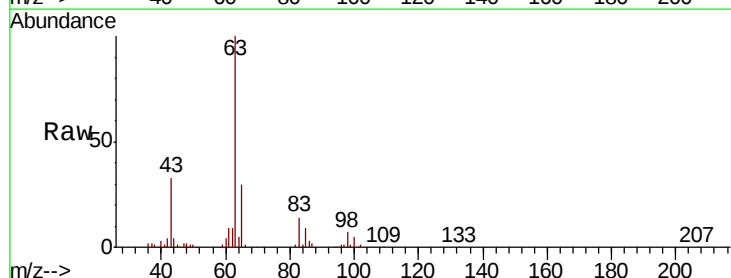
Tgt Ion: 63 Resp: 531096

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

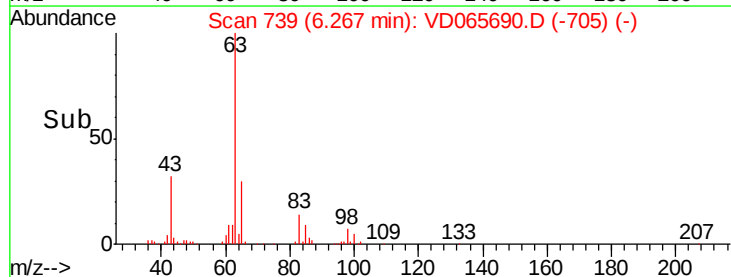
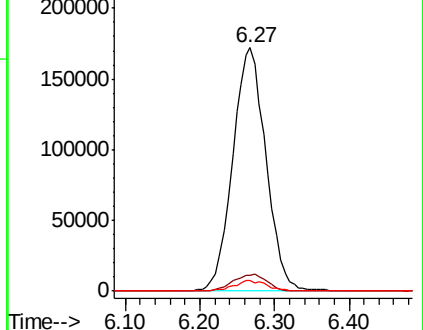
100 4.6 2.3 6.9

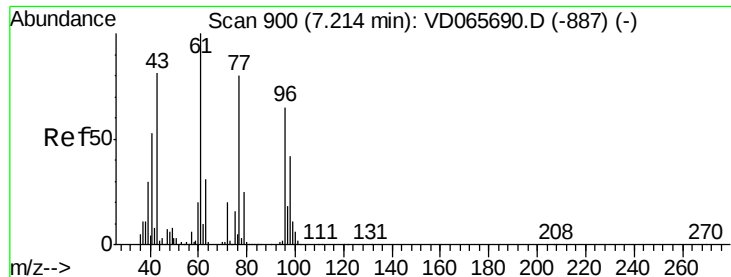


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 273.843 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

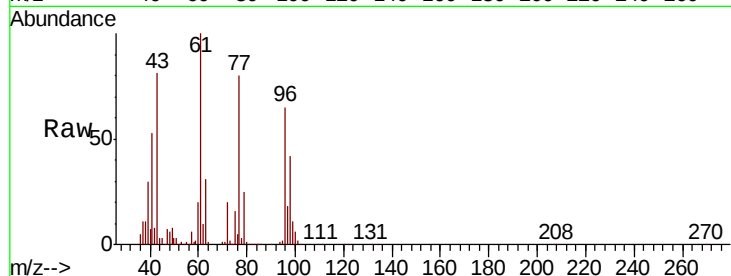
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 386828

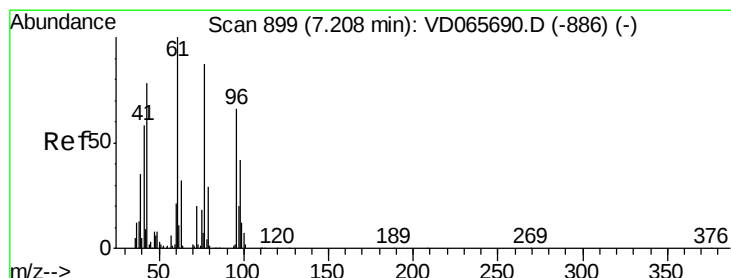
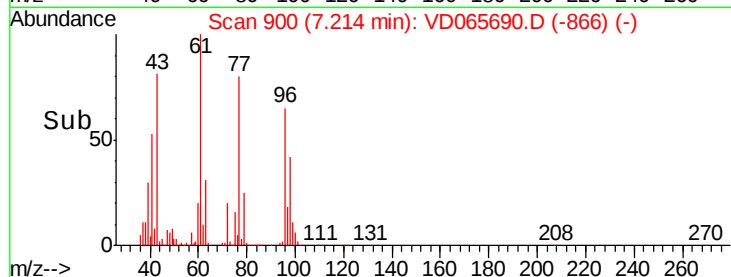
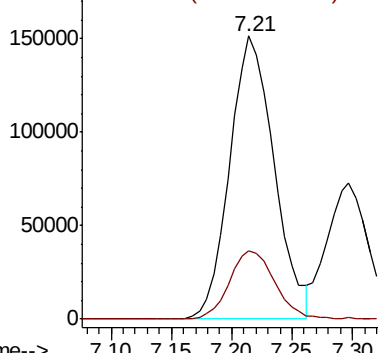
Ion Ratio Lower Upper

43 100

72 24.0 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: 52.951 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065690.D

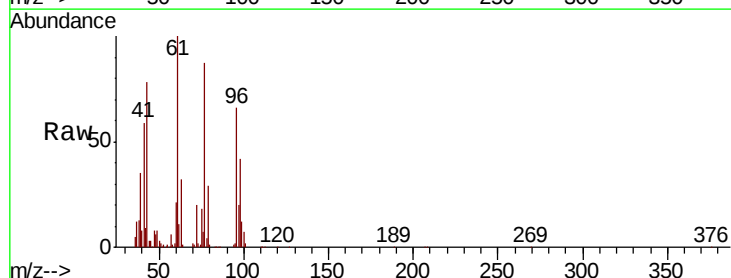
Acq: 01 May 2020 19:14

Tgt Ion: 77 Resp: 450104

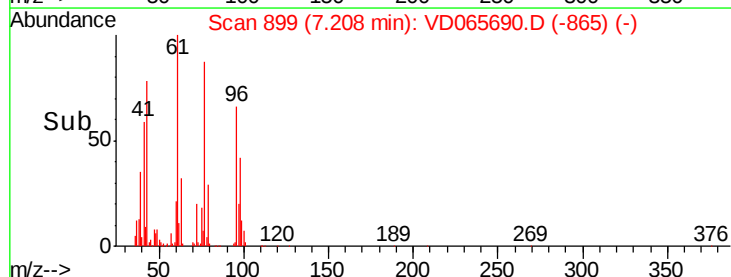
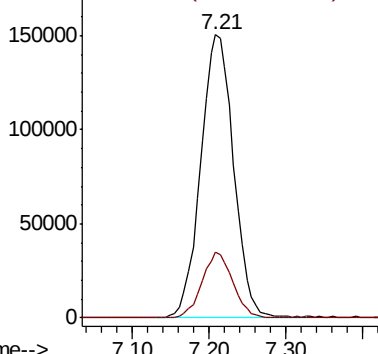
Ion Ratio Lower Upper

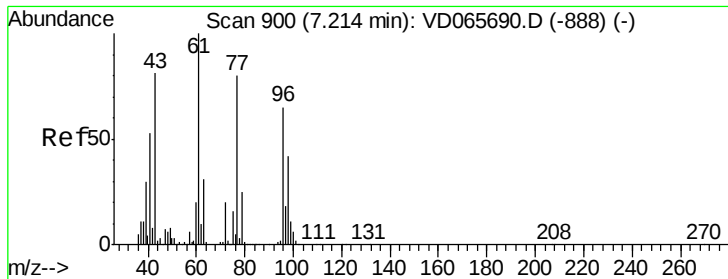
77 100

97 23.4 11.7 35.1



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



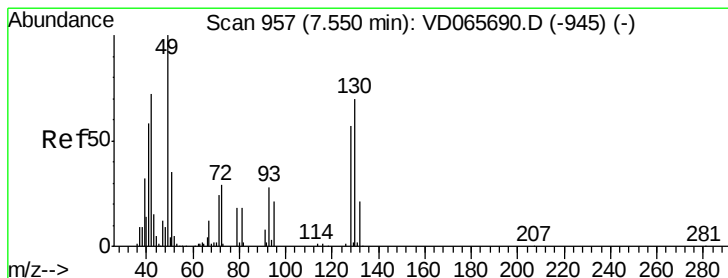
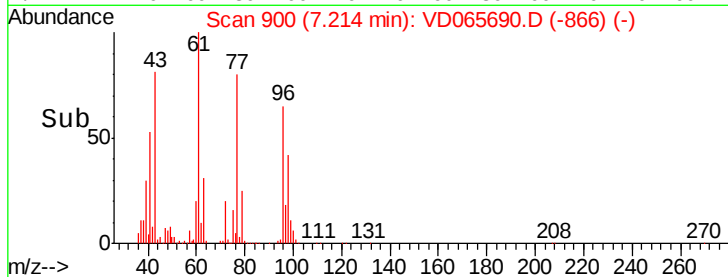
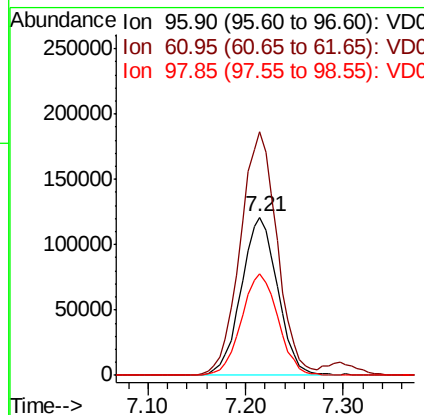
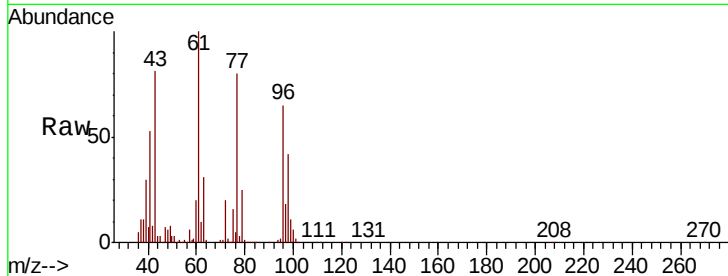


#27

cis-1,2-Dichloroethene
 Concen: 48.286 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065690.D
 Acq: 01 May 2020 19:14

Instrument :
 MSVOA_D
 ClientSampleID :

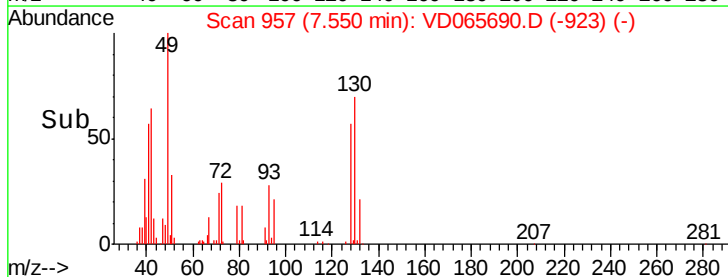
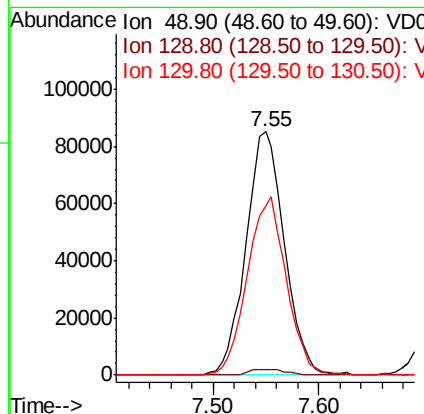
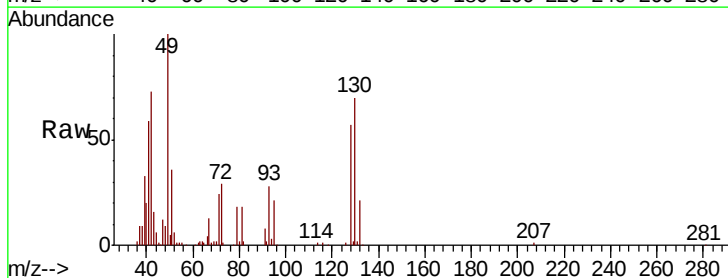
Tot Ion	96	Resp	313341
Ion Ratio	Lower	Upper	
96	100		
61	153.6	0.0	307.2
98	64.4	0.0	128.8

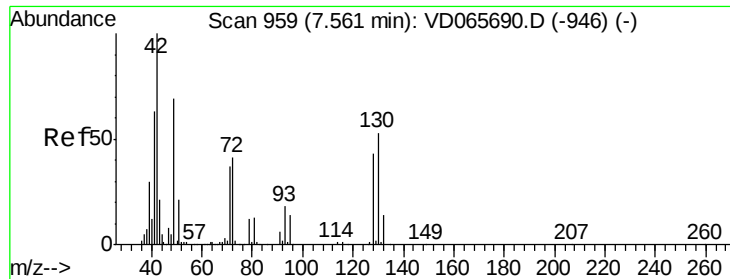


#28

Bromochloromethane
 Concen: 57.010 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065690.D
 Acq: 01 May 2020 19:14

Tgt Ion	49	Resp	215735
Ion Ratio	Lower	Upper	
49	100		
129	2.4	0.0	4.8
130	69.7	55.8	83.6





#29

Tetrahydrofuran

Concen: 342.560 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

Instrument :

MSVOA_D

ClientSampleId :

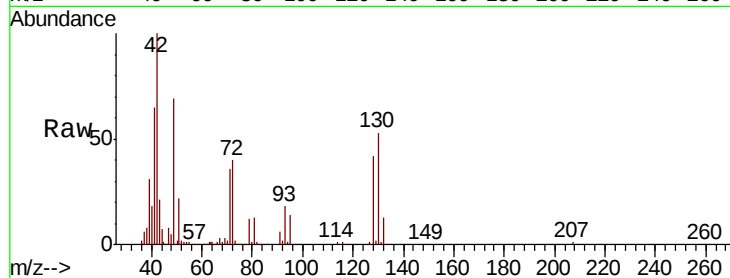
Tot Ion: 42 Resp: 249846

Ion Ratio Lower Upper

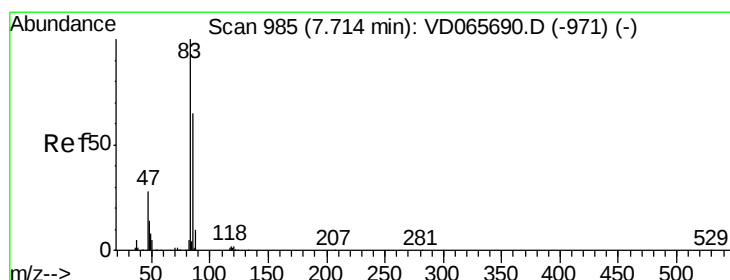
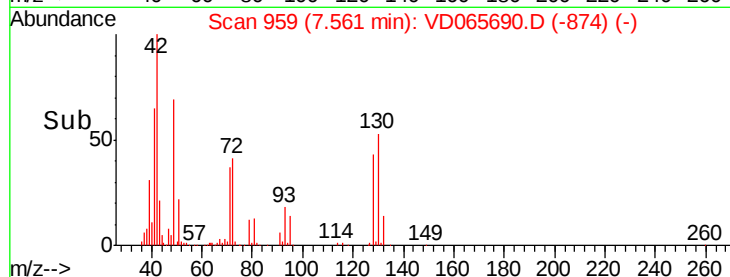
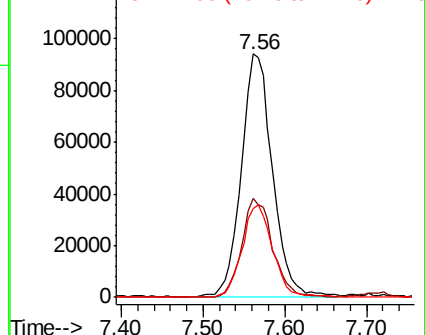
42 100

72 40.2 32.2 48.2

71 37.1 29.7 44.5



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



#30

Chloroform

Concen: 50.840 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065690.D

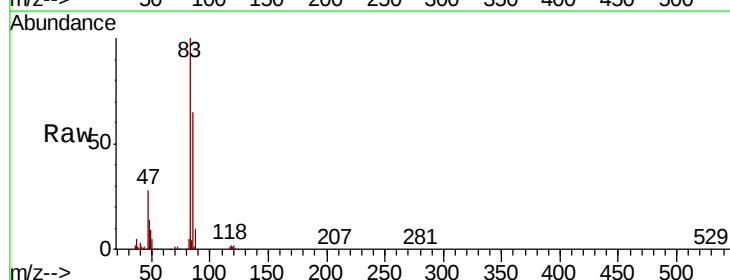
Acq: 01 May 2020 19:14

Tgt Ion: 83 Resp: 549225

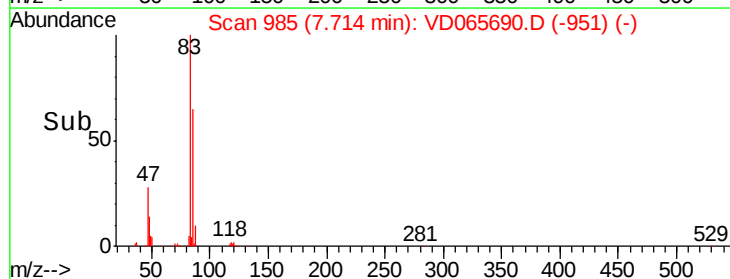
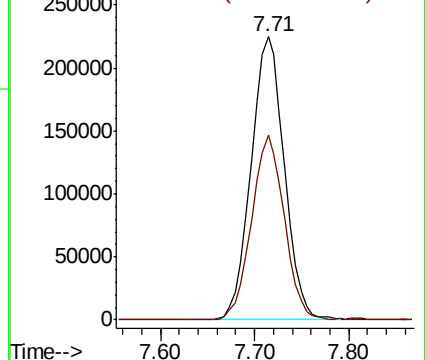
Ion Ratio Lower Upper

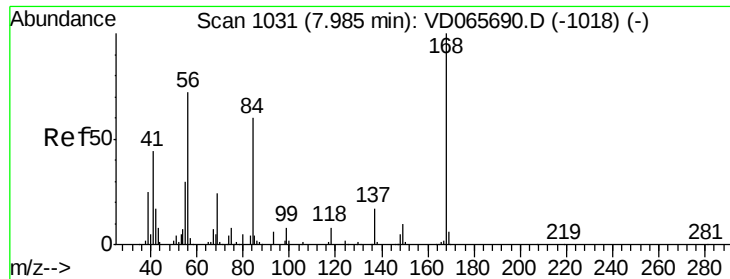
83 100

85 65.4 52.3 78.5



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

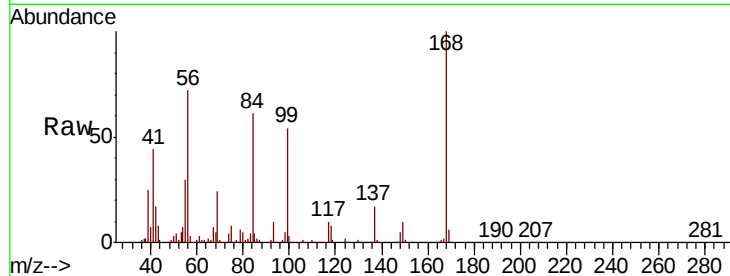




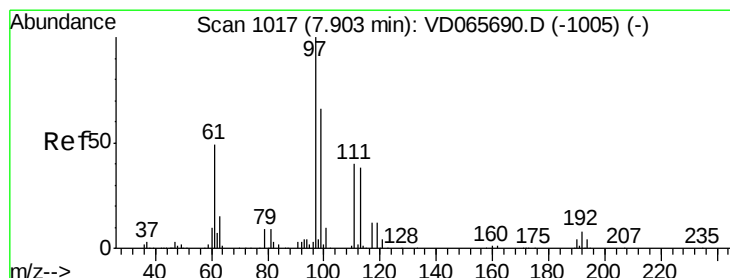
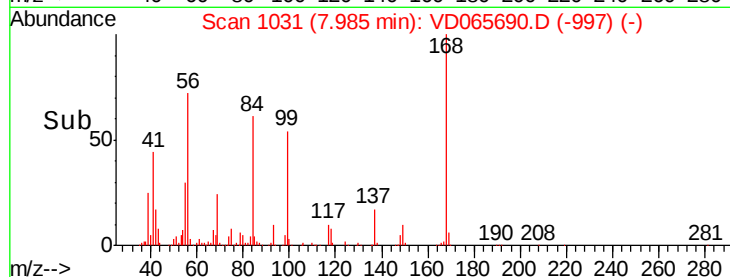
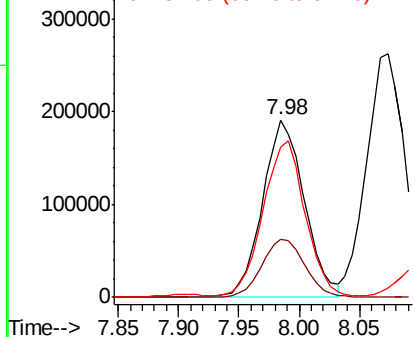
#31
Cyclohexane
Concen: 62.457 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 459770
Ion Ratio Lower Upper
56 100
69 32.8 26.2 39.4
84 84.8 67.8 101.8

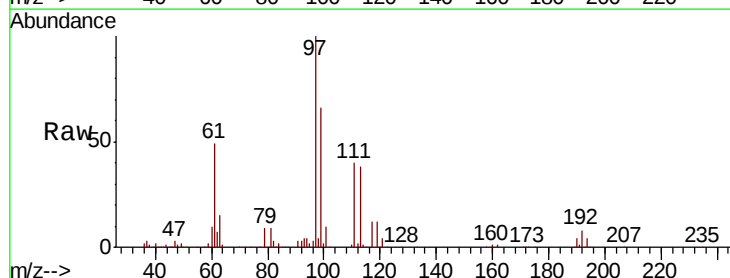


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

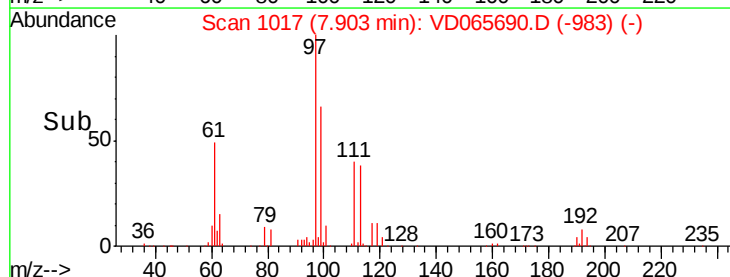
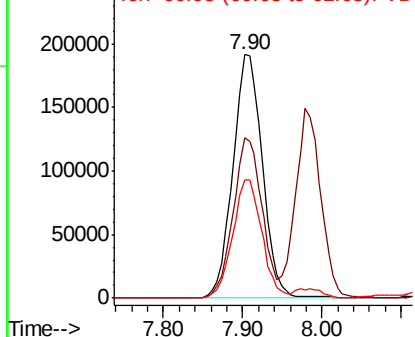


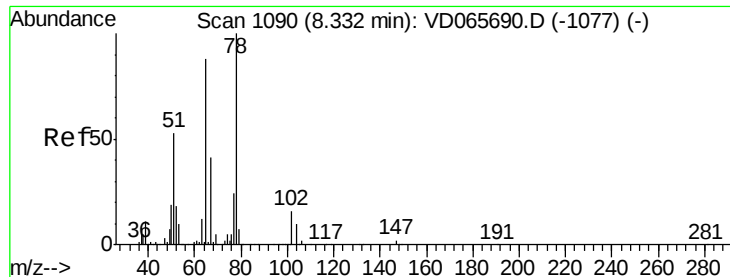
#32
1,1,1-Trichloroethane
Concen: 52.532 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

Tgt Ion: 97 Resp: 493433
Ion Ratio Lower Upper
97 100
99 66.1 52.9 79.3
61 48.7 39.0 58.4



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

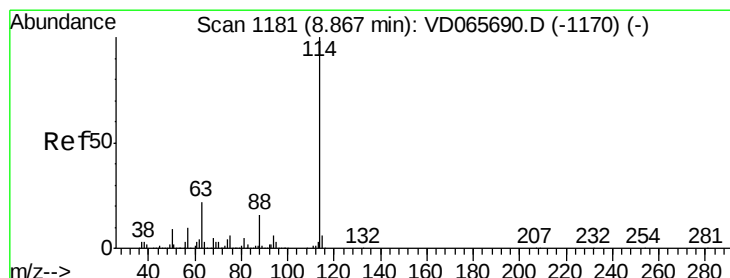
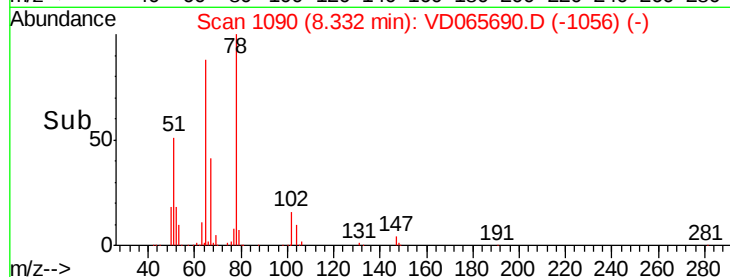
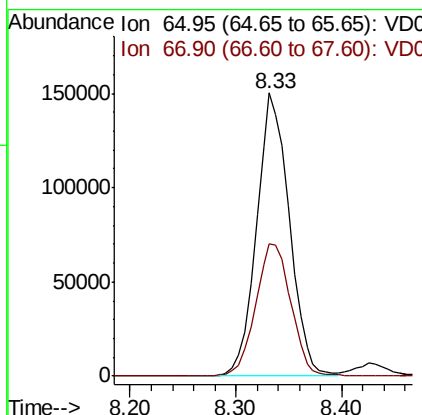
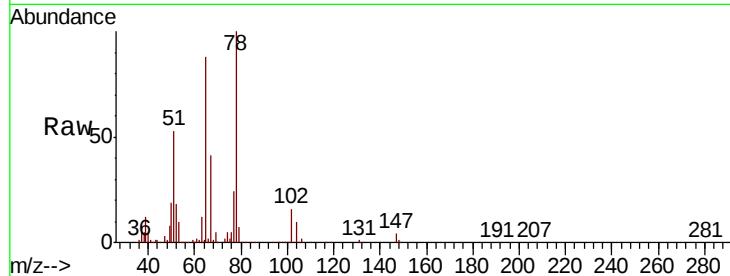




#33
 1,2-Dichloroethane-d4
 Concen: 63.599 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065690.D
 Acq: 01 May 2020 19:14

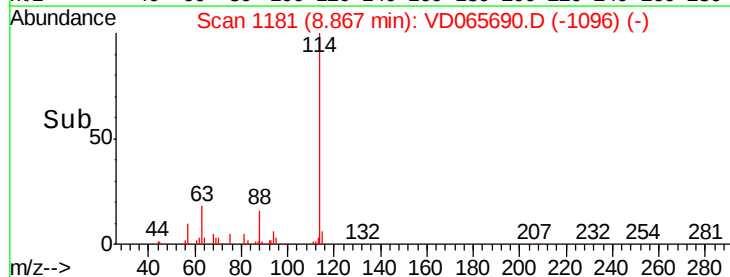
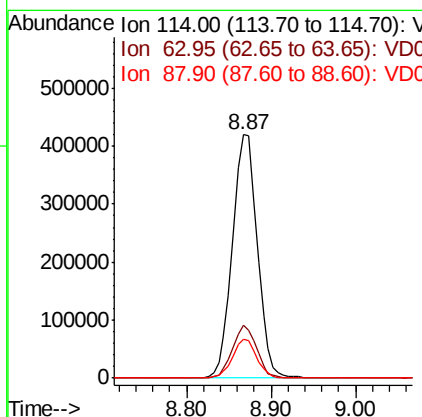
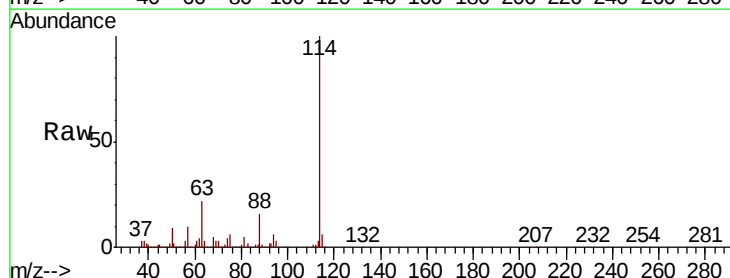
Instrument :
 MSVOA_D
 ClientSampleId :

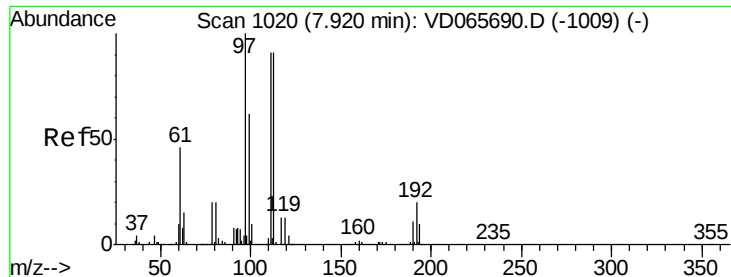
Tot Ion: 65 Resp: 323792
 Ion Ratio Lower Upper
 65 100
 67 46.6 0.0 93.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065690.D
 Acq: 01 May 2020 19:14

Tgt Ion: 114 Resp: 852558
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 44.0
 88 15.9 0.0 31.8

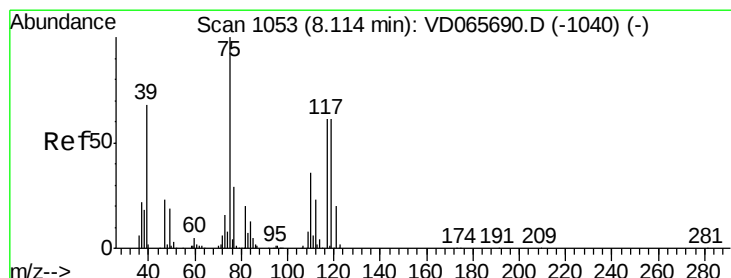
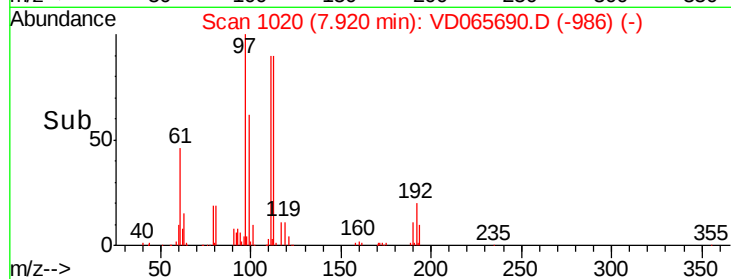
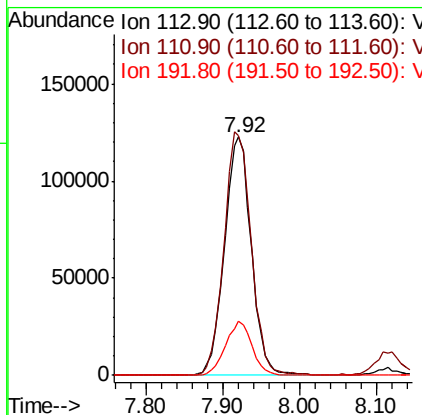
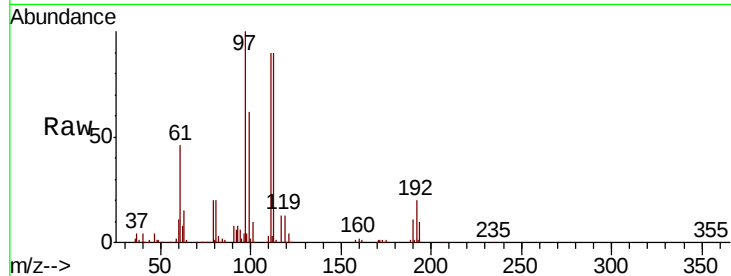




#35
 Dibromofluoromethane
 Concen: 50.236 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065690.D
 Acq: 01 May 2020 19:14

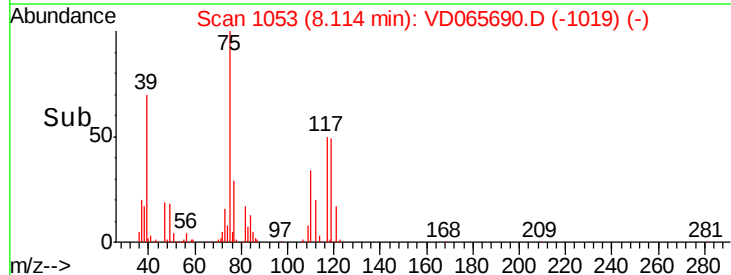
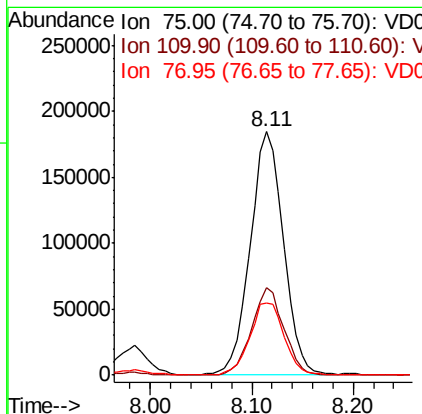
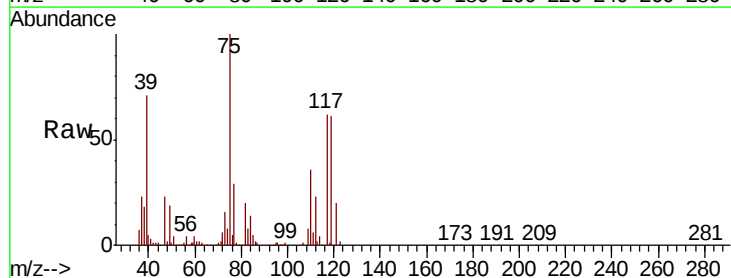
Instrument :
 MSVOA_D
 ClientSampleId :

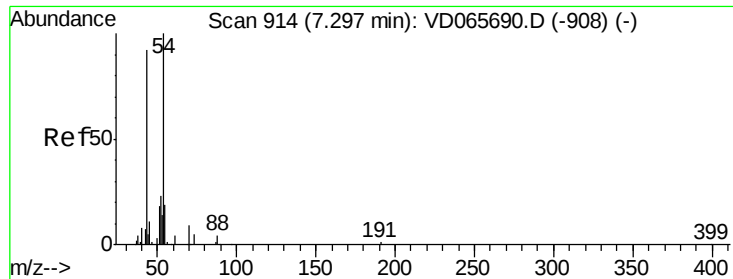
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.3	80.2	120.4
192	22.5	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 60.512 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065690.D
 Acq: 01 May 2020 19:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.0	54.0
77	29.4	23.5	35.3

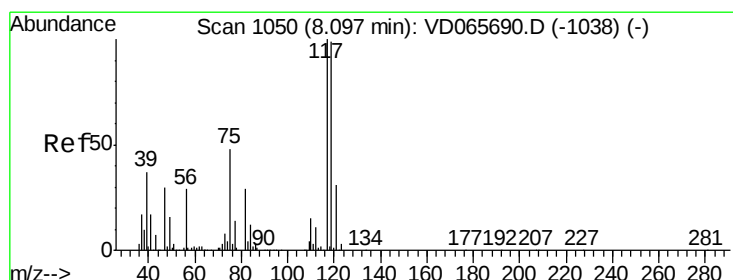
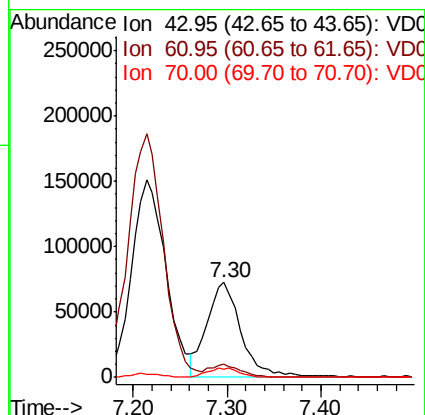
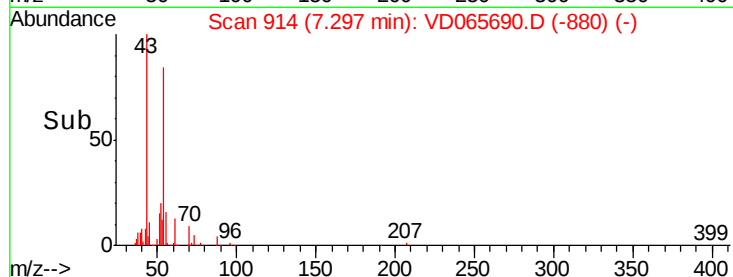
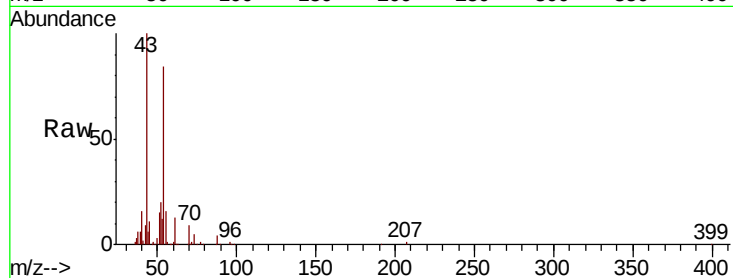




#37
Ethyl Acetate
Concen: 60.418 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

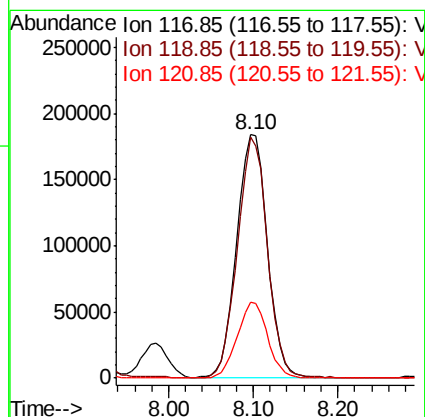
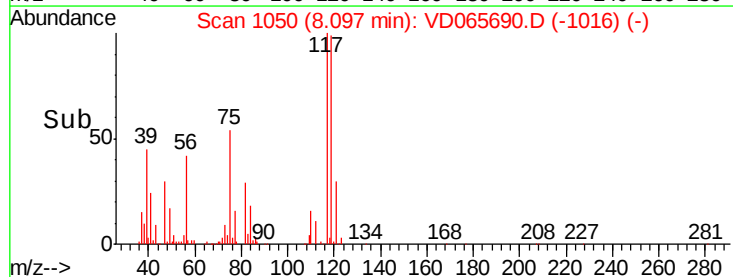
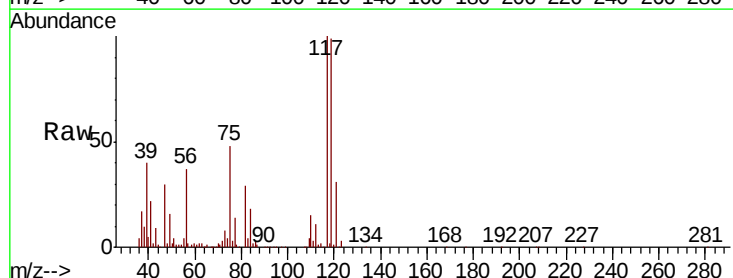
Instrument :
MSVOA_D
ClientSampled :

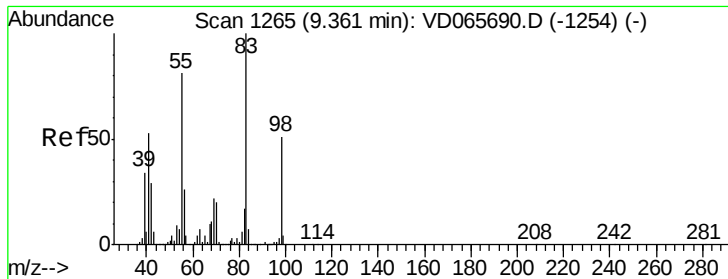
Tot Ion: 43 Resp: 181969
Ion Ratio Lower Upper
43 100
61 13.3 10.6 16.0
70 8.7 7.0 10.4



#38
Carbon Tetrachloride
Concen: 54.572 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

Tgt Ion: 117 Resp: 460783
Ion Ratio Lower Upper
117 100
119 98.8 79.0 118.6
121 31.1 24.9 37.3

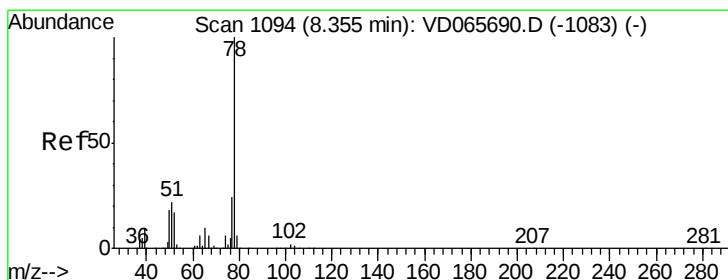
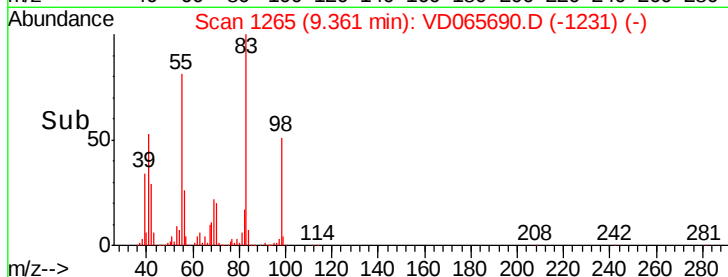
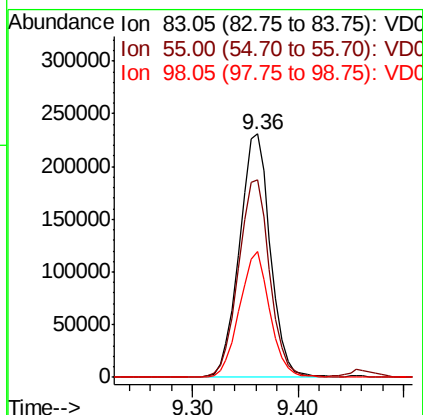
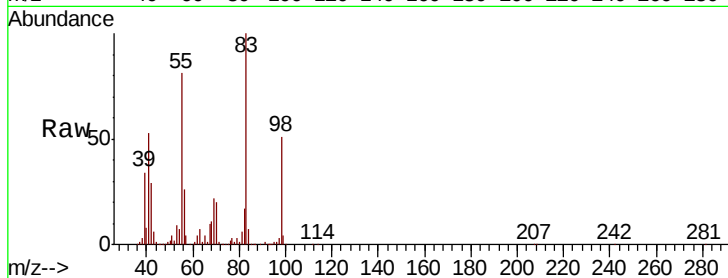




#39
Methvlcvclohexane
Concen: 66.798 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

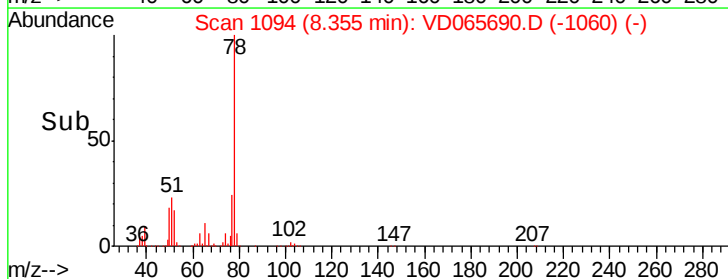
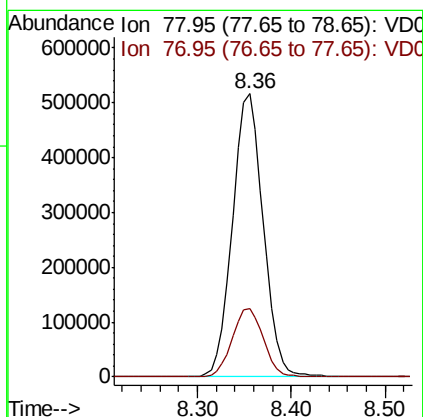
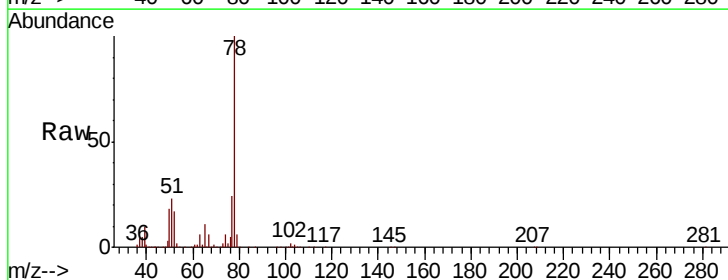
Instrument :
MSVOA_D
ClientSampleId :

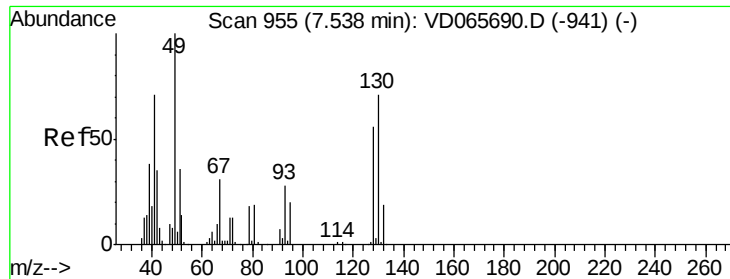
Tot Ion	83.05	Resp	469755
Ion	Ratio	Lower	Upper
83	100		
55	81.2	65.0	97.4
98	51.5	41.2	61.8



#40
Benzene
Concen: 66.430 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

Tgt Ion	78	Resp	1172091
Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8

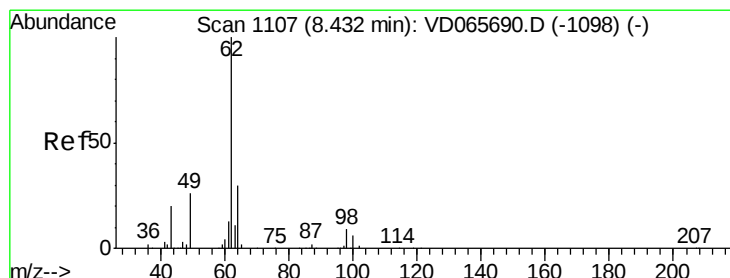
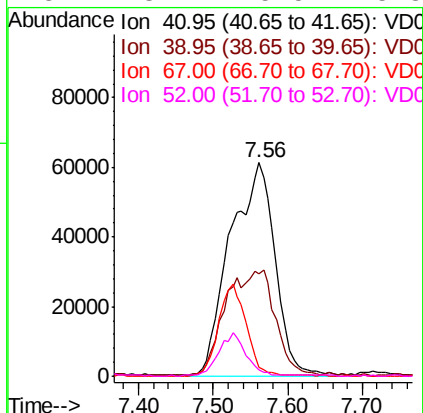
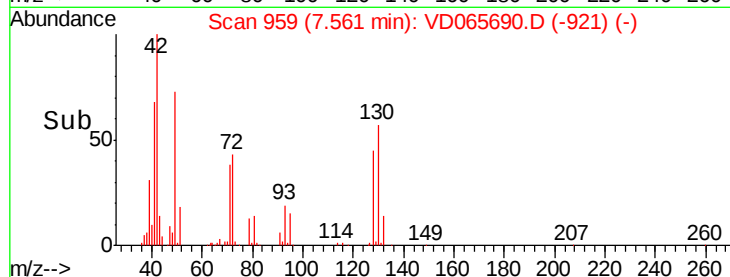
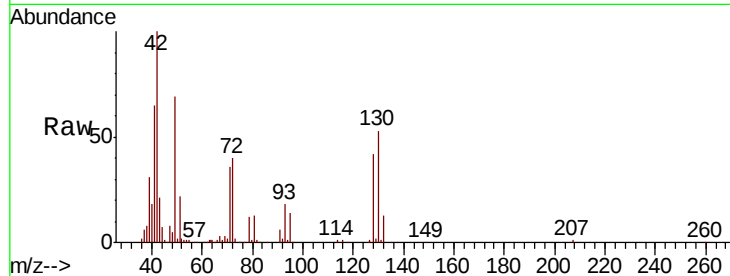




#41
Methacrylonitrile
Concen: 82.649 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.02 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

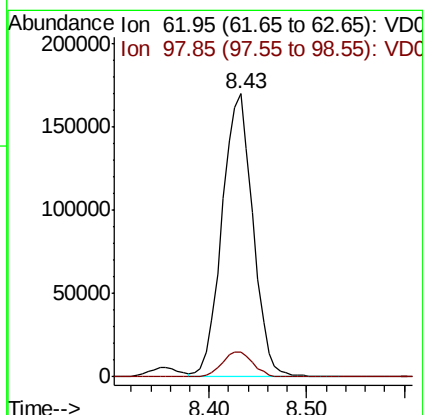
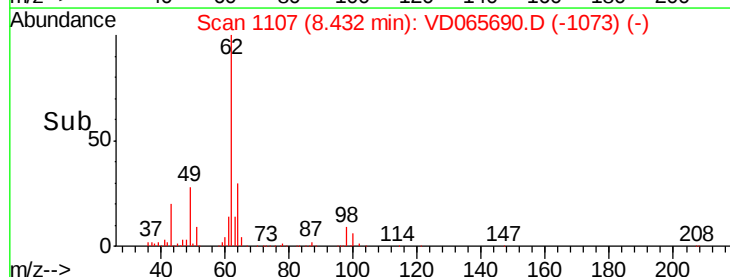
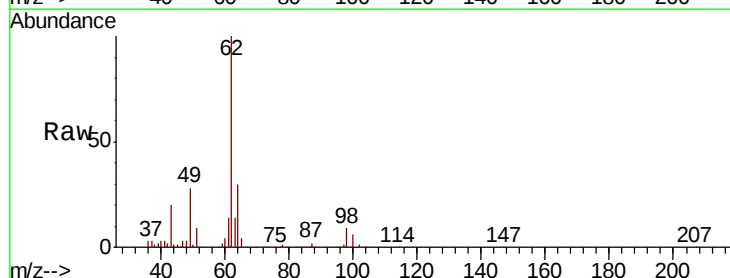
Instrument :
MSVOA_D
ClientSampleId :

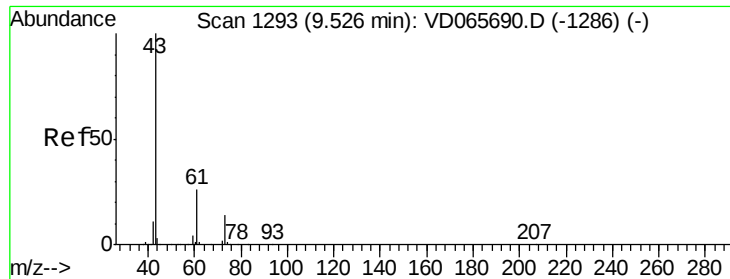
Tot Ion: 41 Resp: 256479
Ion Ratio Lower Upper
41 100
39 47.8 42.8 64.2
67 4.3 34.8 52.2#
52 3.2 15.5 23.3#



#42
1,2-Dichloroethane
Concen: 62.739 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

Tgt Ion: 62 Resp: 372714
Ion Ratio Lower Upper
62 100
98 8.7 0.0 17.4



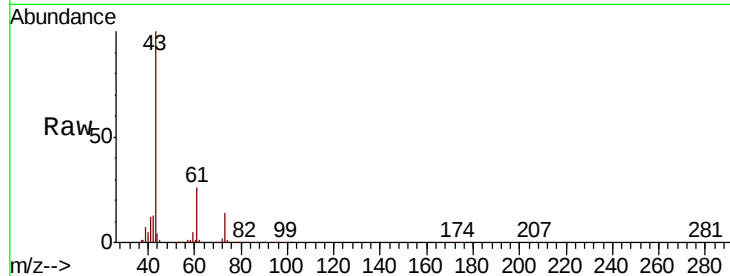


#43

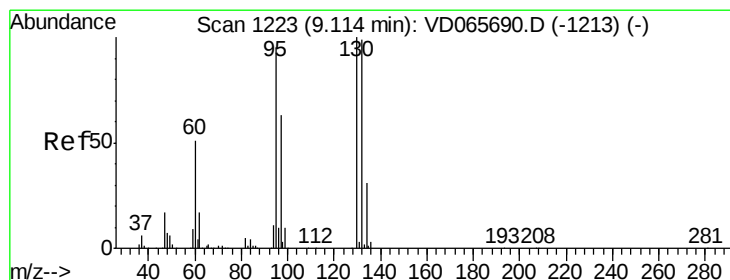
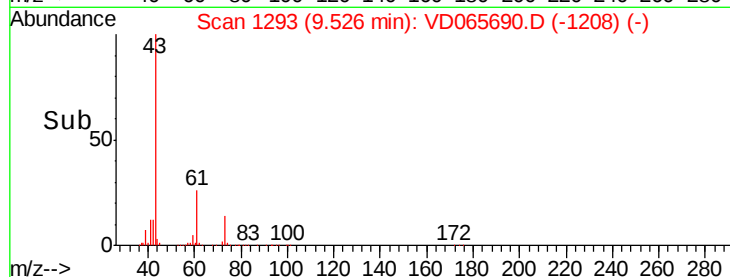
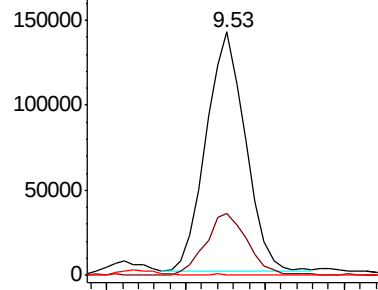
Isopropyl Acetate
 Concen: 56.333 ug/l
 RT: 9.53 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VD065690.D
 Acq: 01 May 2020 19:14

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	43	Resp	241557
Ion Ratio	Lower	Upper	
43	100		
61	25.6	20.5	30.7
87	0.4	0.3	0.5



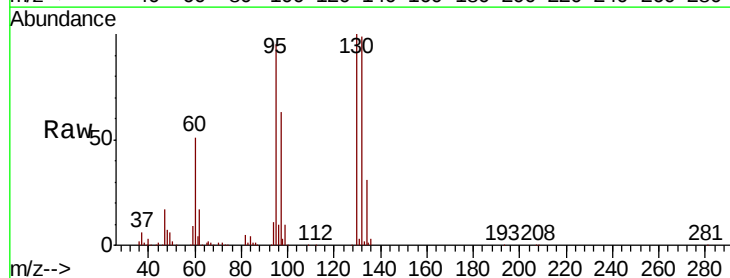
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



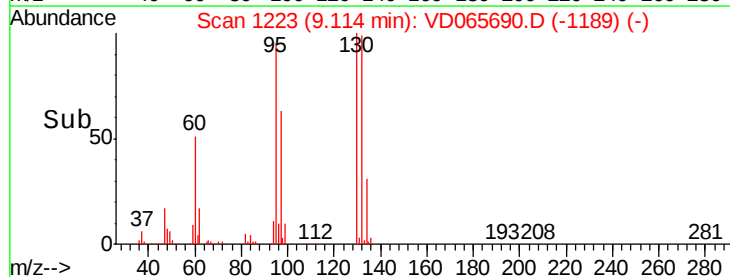
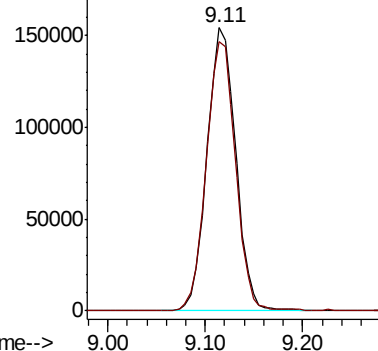
#44

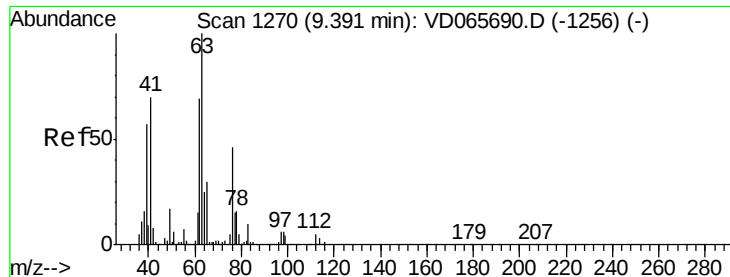
Trichloroethene
 Concen: 49.503 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: VD065690.D
 Acq: 01 May 2020 19:14

Tgt Ion	130	Resp	315137
Ion Ratio	Lower	Upper	
130	100		
95	95.1	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: 66.543 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

Instrument :

MSVOA_D

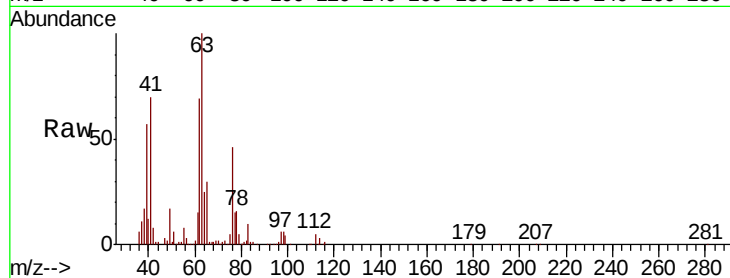
ClientSampleId :

Tot Ion: 63 Resp: 298618

Ion Ratio Lower Upper

63 100

65 29.8 23.8 35.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

9.39

150000

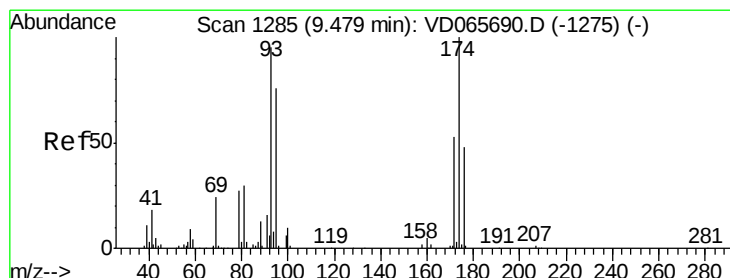
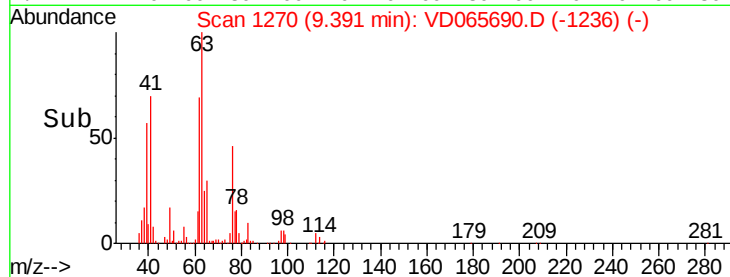
100000

50000

0

Time-->

9.30 9.40 9.50



#46

Dibromomethane

Concen: 52.407 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

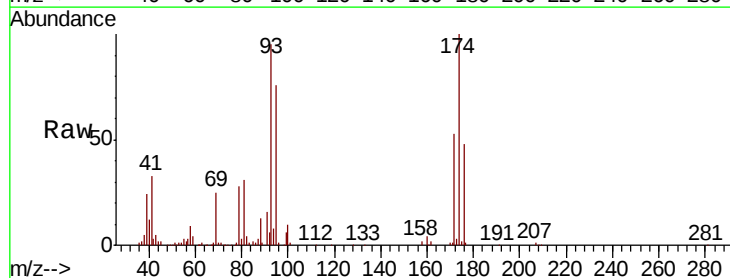
Tgt Ion: 93 Resp: 159251

Ion Ratio Lower Upper

93 100

95 79.9 63.9 95.9

174 105.4 84.3 126.5



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

120000

100000

80000

60000

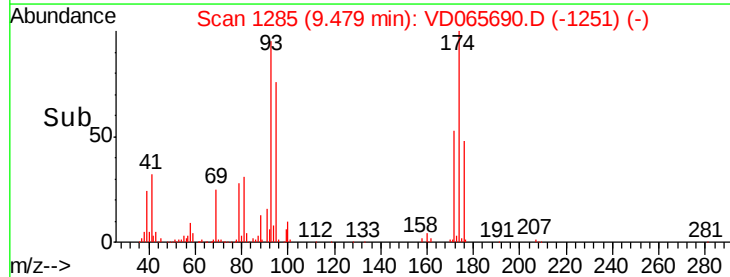
40000

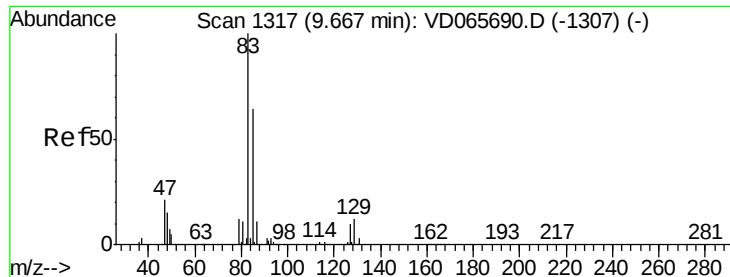
20000

0

Time-->

9.40 9.45 9.50 9.55





#47

Bromodichloromethane

Concen: 57.607 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

Instrument :

MSVOA_D

ClientSampleId :

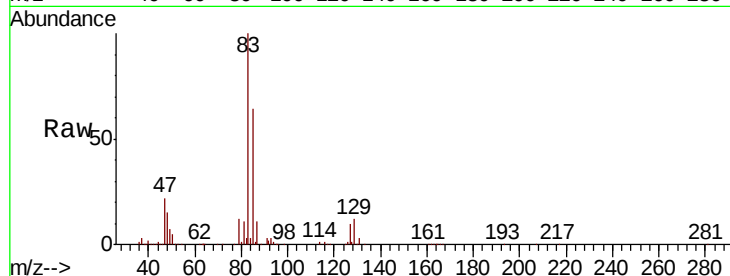
Tot Ion: 83 Resp: 425224

Ion Ratio Lower Upper

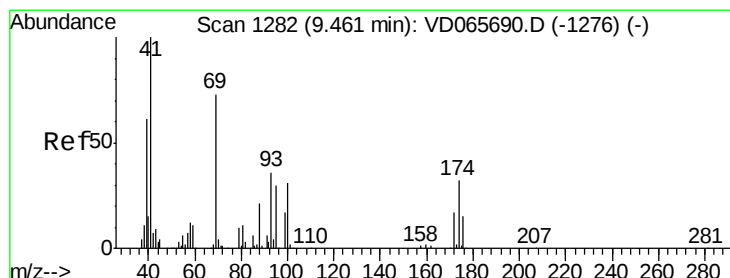
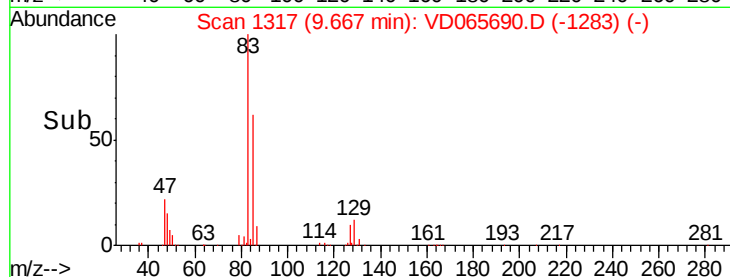
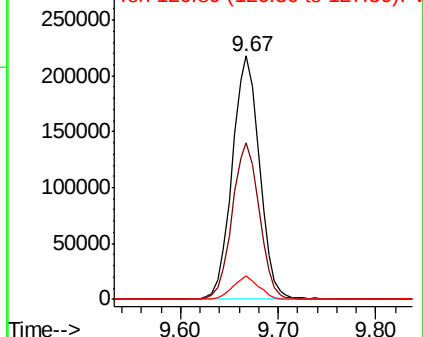
83 100

85 64.5 51.6 77.4

127 9.7 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: 68.656 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

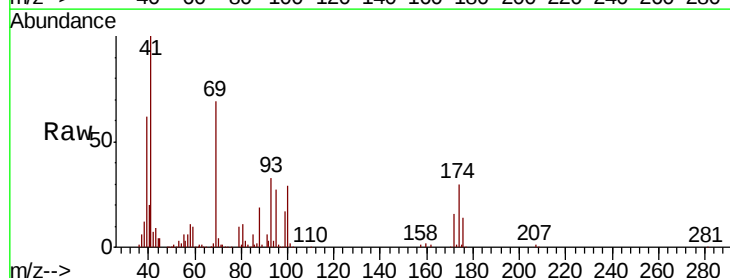
Tgt Ion: 41 Resp: 177928

Ion Ratio Lower Upper

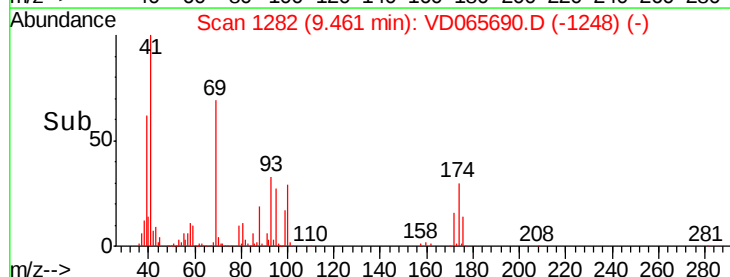
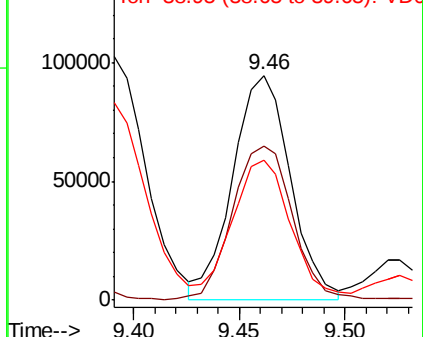
41 100

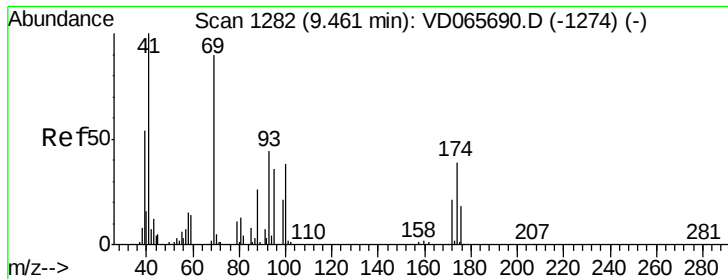
69 68.6 54.9 82.3

39 62.1 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

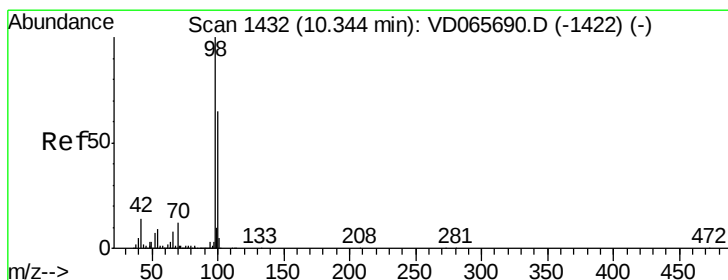
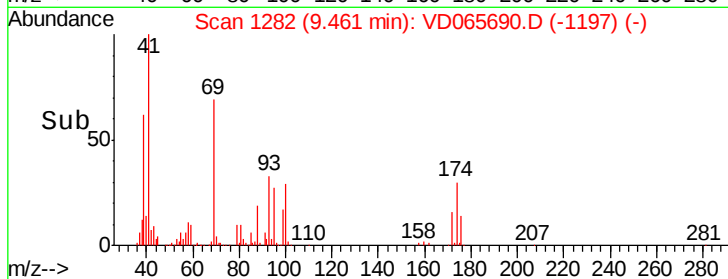
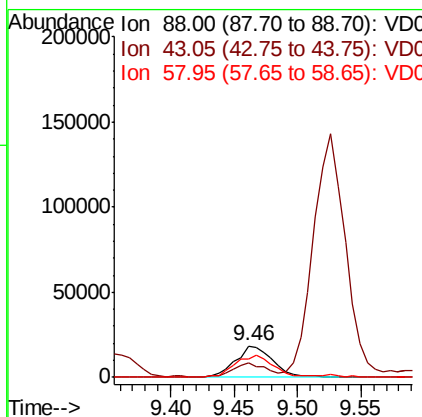
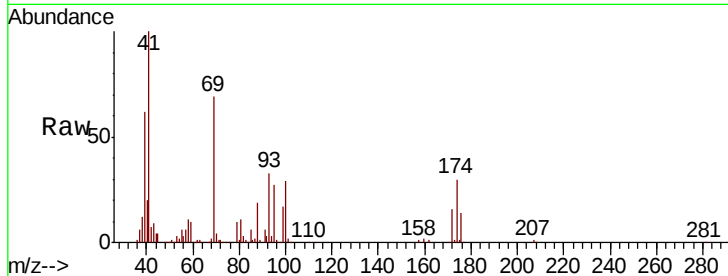




#49
 1,4-Dioxane
 Concen: 1373.181 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD065690.D
 Acq: 01 May 2020 19:14

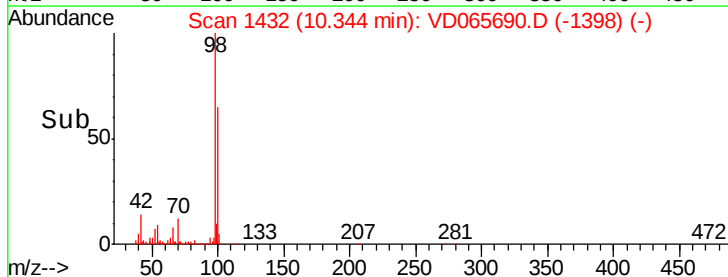
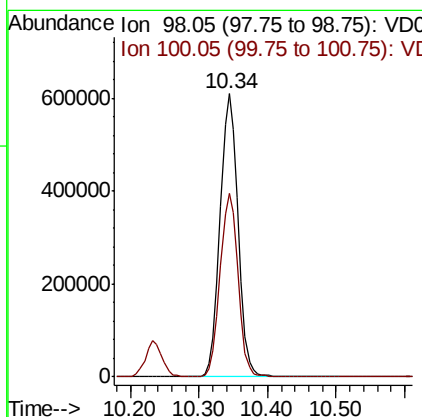
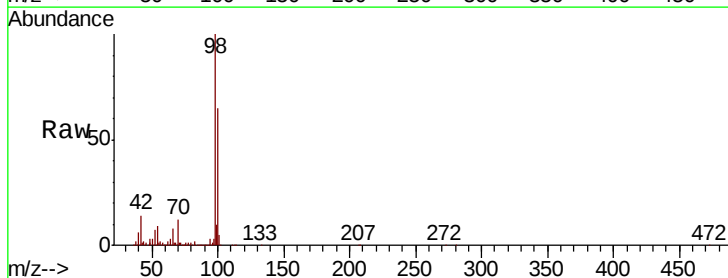
Instrument :
 MSVOA_D
 ClientSampleId :

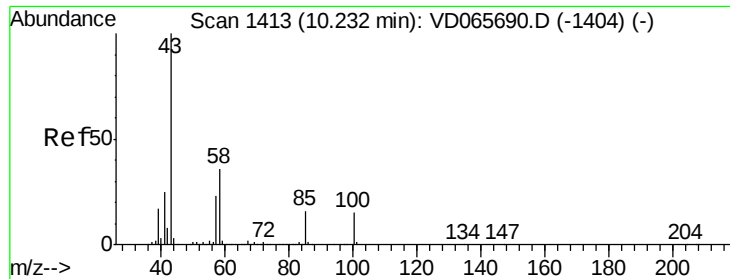
Tot Ion: 88 Resp: 37488
 Ion Ratio Lower Upper
 88 100
 43 45.9 36.7 55.1
 58 58.7 47.0 70.4



#50
 Toluene-d8
 Concen: 71.355 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD065690.D
 Acq: 01 May 2020 19:14

Tgt Ion: 98 Resp: 1107426
 Ion Ratio Lower Upper
 98 100
 100 64.9 51.9 77.9

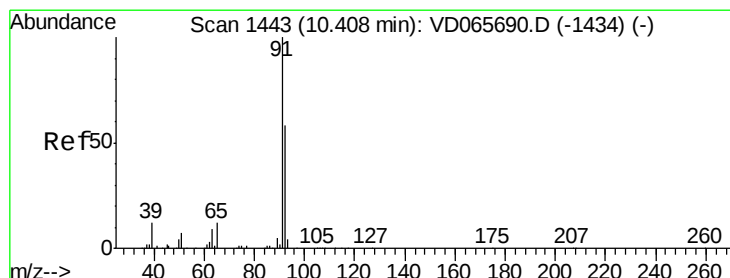
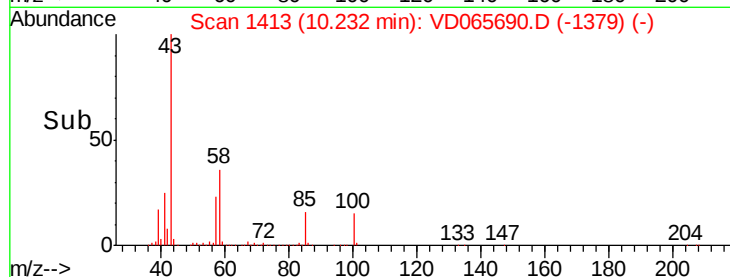
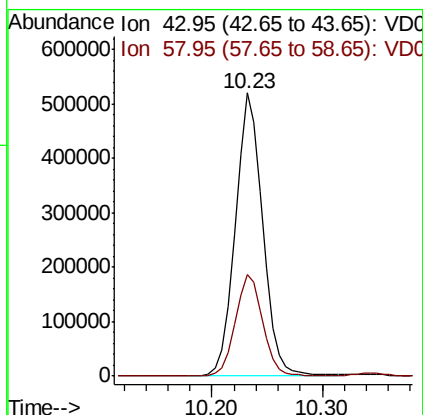
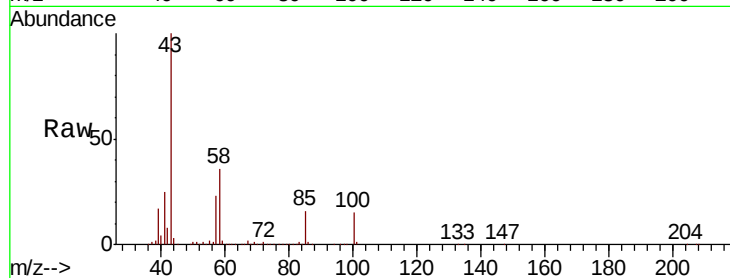




#51
4-Methyl-2-Pentanone
Concen: 331.557 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

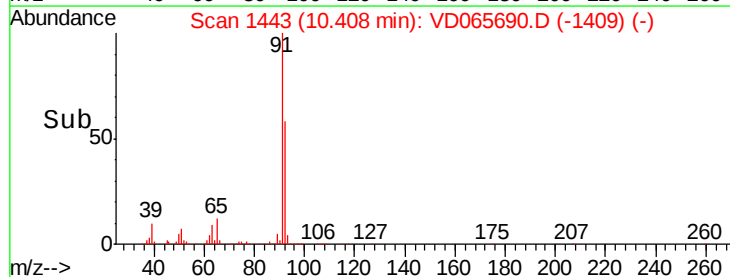
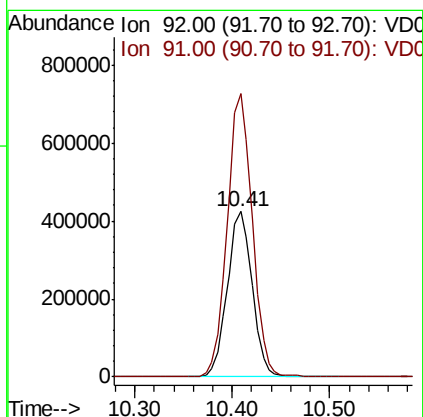
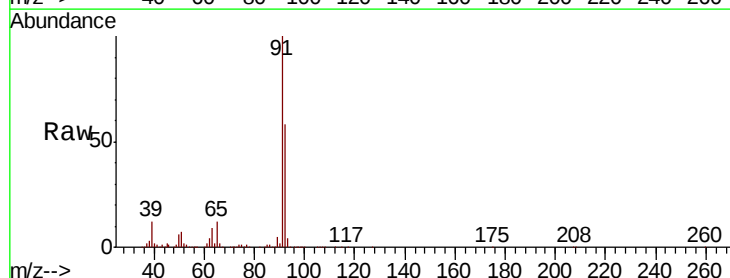
Instrument :
MSVOA_D
ClientSampled :

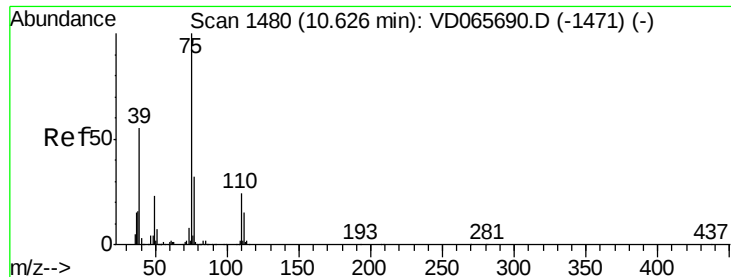
Tot Ion: 43 Resp: 904028
Ion Ratio Lower Upper
43 100
58 36.0 28.8 43.2



#52
Toluene
Concen: 66.108 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

Tgt Ion: 92 Resp: 753630
Ion Ratio Lower Upper
92 100
91 171.2 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 62.068 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

Instrument :

MSVOA_D

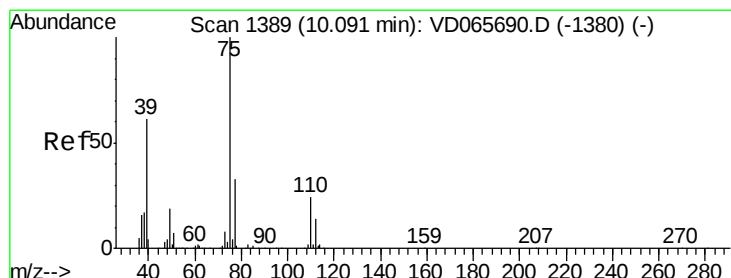
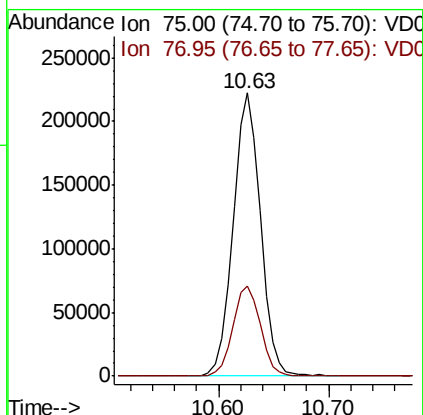
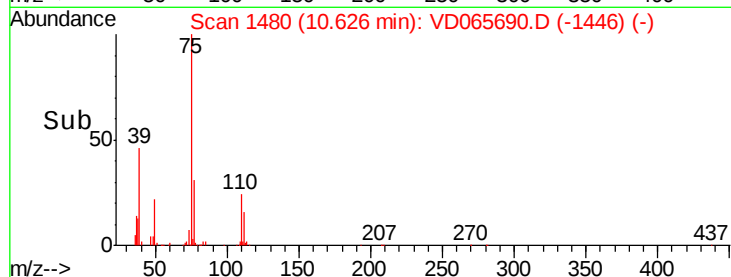
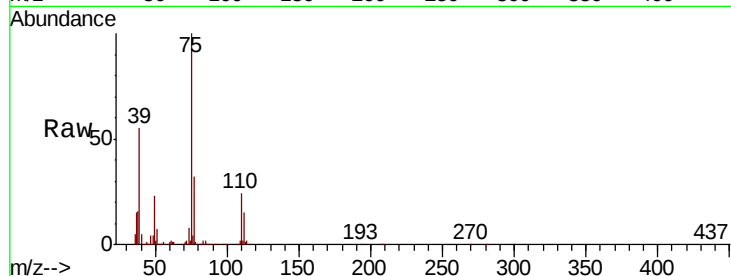
ClientSampled :

Tot Ion: 75 Resp: 386584

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 59.728 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

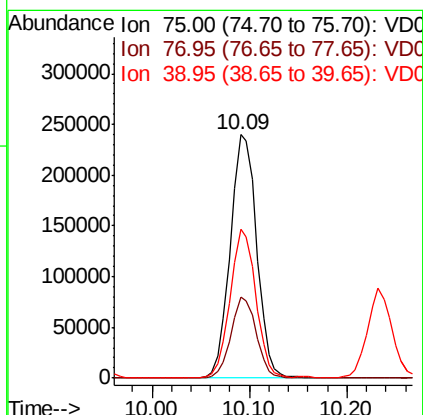
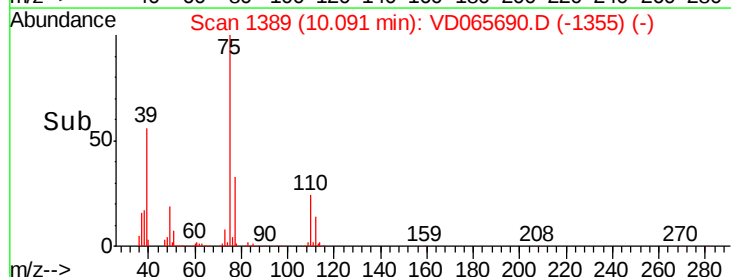
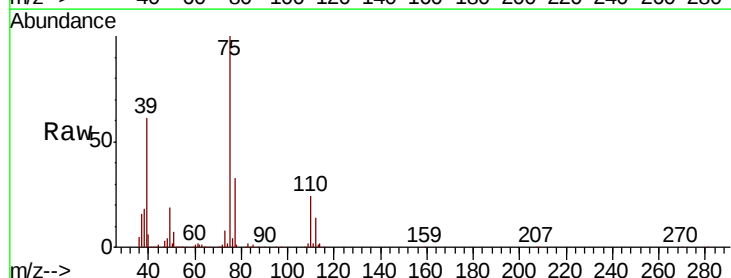
Tgt Ion: 75 Resp: 452742

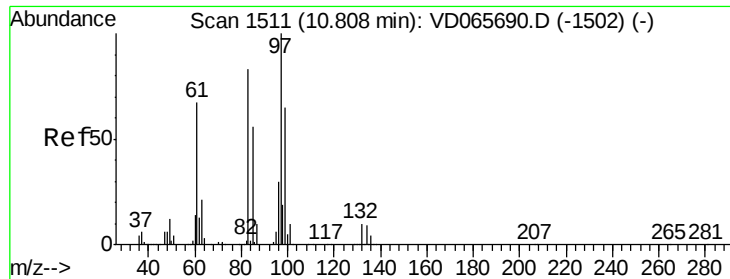
Ion Ratio Lower Upper

75 100

77 33.3 26.6 40.0

39 61.0 48.8 73.2





#55

1,1,2-Trichloroethane

Concen: 58.688 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 215678

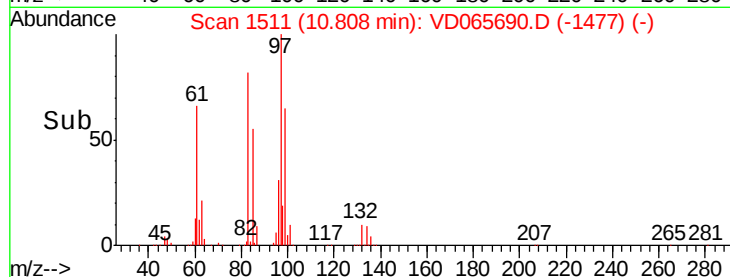
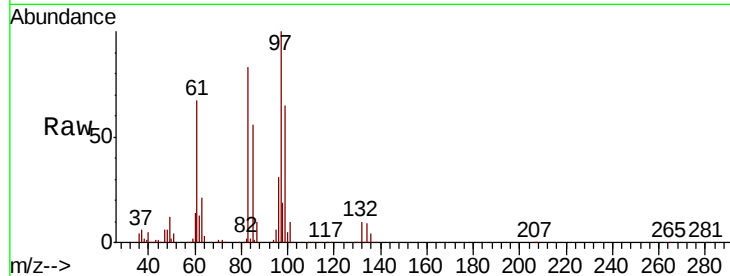
Ion Ratio Lower Upper

97 100

83 83.4 66.7 100.1

85 56.2 45.0 67.4

99 64.9 51.9 77.9

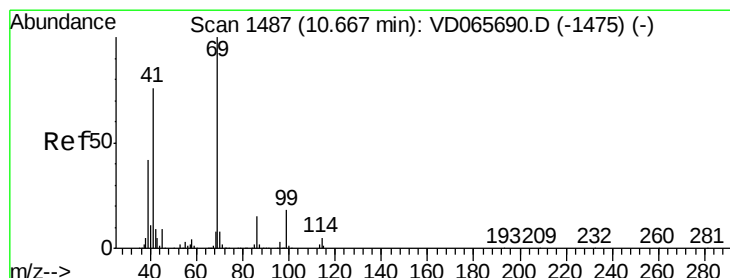
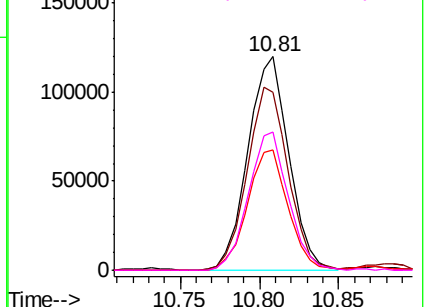


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 61.267 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

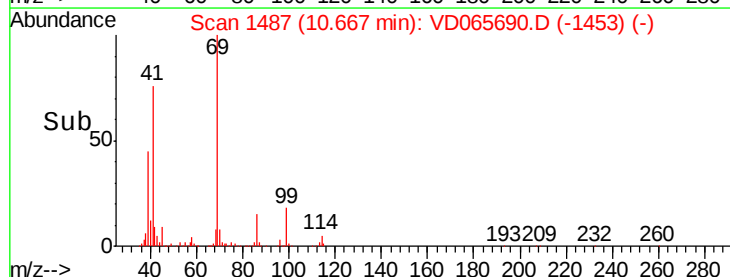
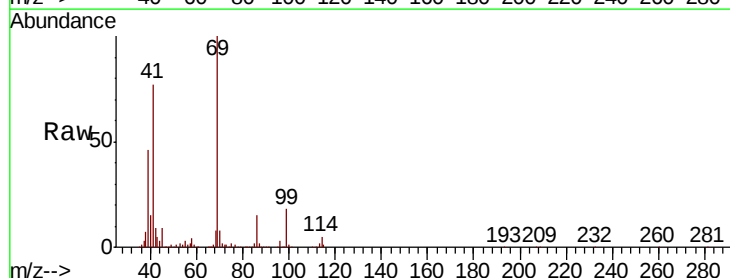
Tgt Ion: 69 Resp: 252592

Ion Ratio Lower Upper

69 100

41 76.7 61.4 92.0

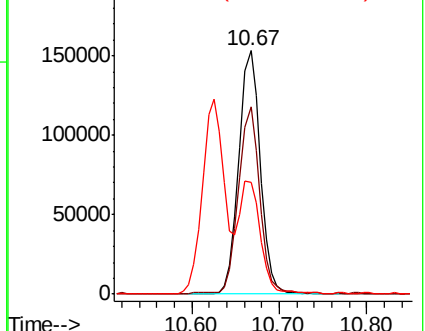
39 45.7 36.6 54.8

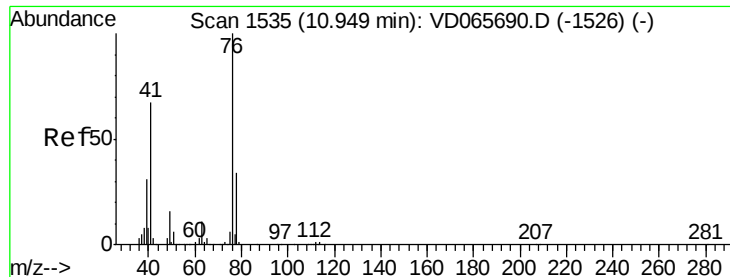


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 63.482 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

Instrument :

MSVOA_D

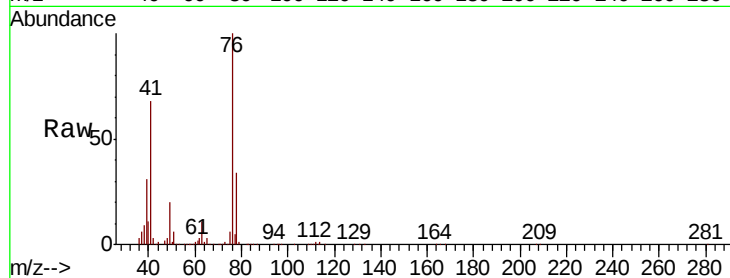
ClientSampleId :

Tot Ion: 76 Resp: 370057

Ion Ratio Lower Upper

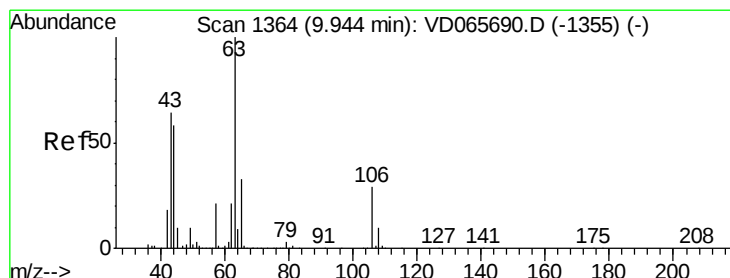
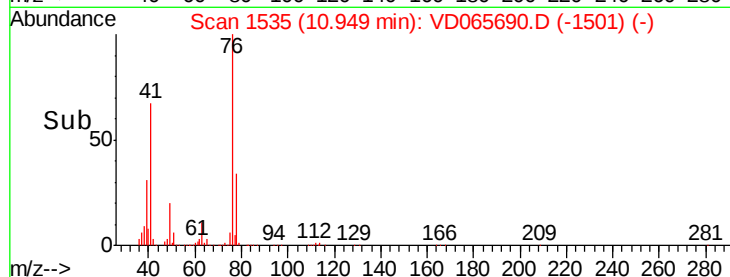
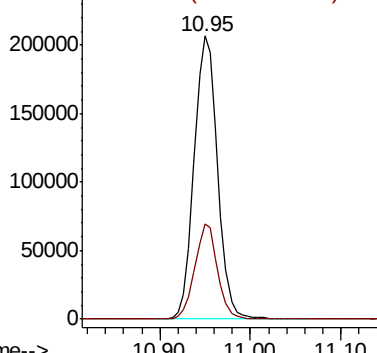
76 100

78 33.6 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: 278.366 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD065690.D

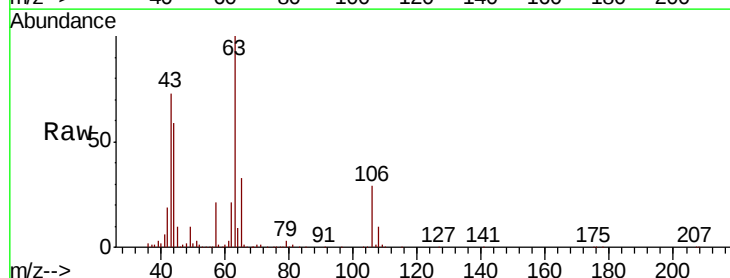
Acq: 01 May 2020 19:14

Tgt Ion: 63 Resp: 527058

Ion Ratio Lower Upper

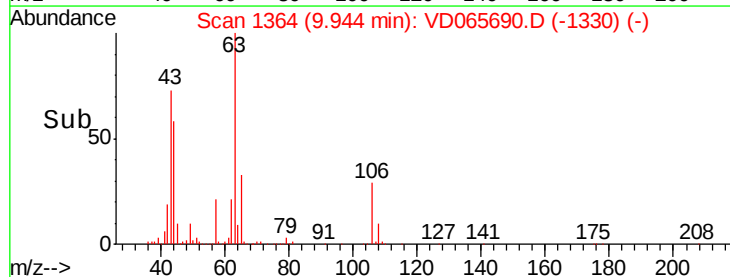
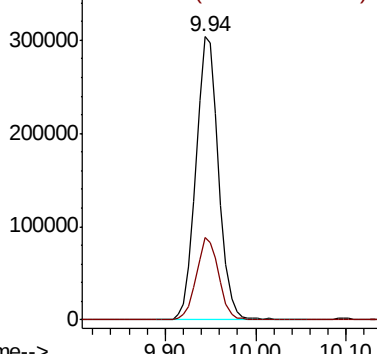
63 100

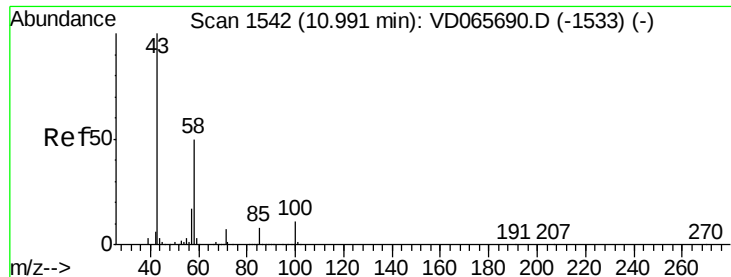
106 29.3 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

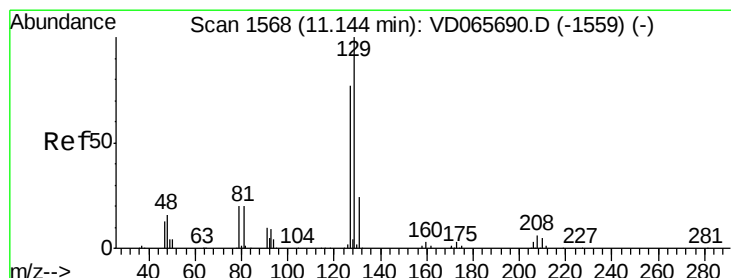
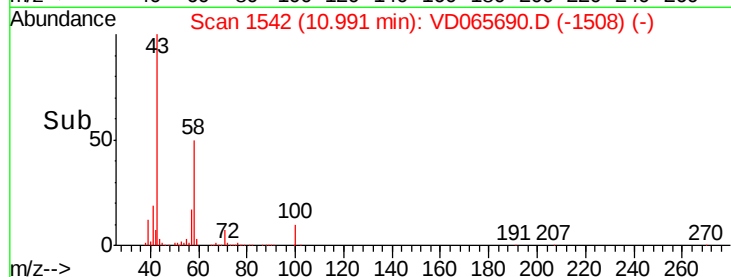
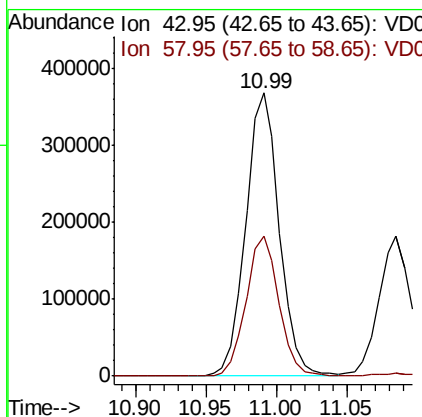
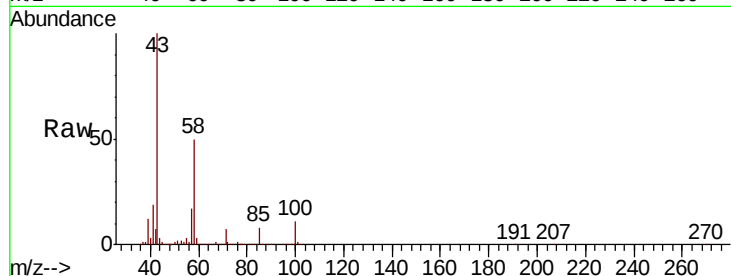




#59
2-Hexanone
Concen: 306.368 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

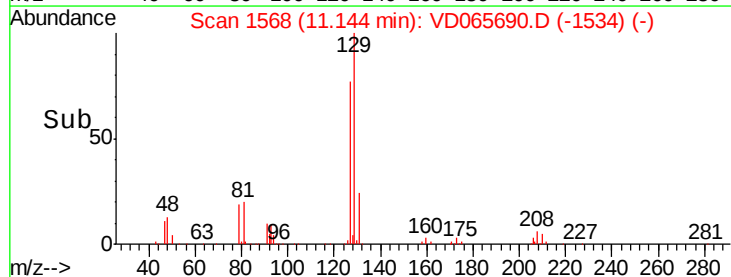
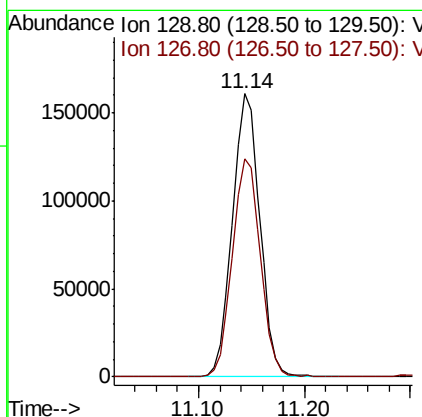
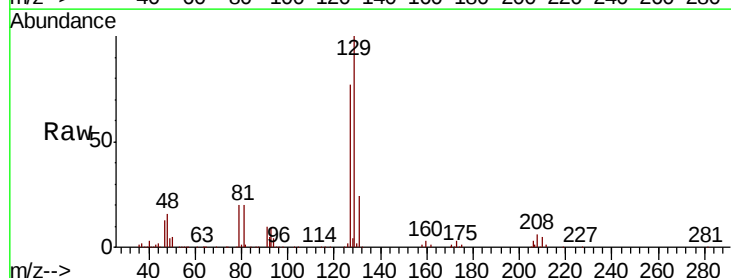
Instrument :
MSVOA_D
ClientSampled :

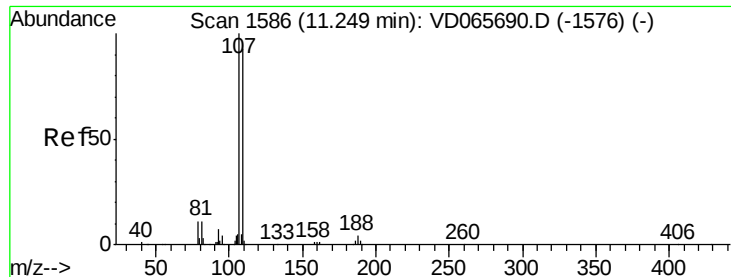
Tot Ion: 43 Resp: 612903
Ion Ratio Lower Upper
43 100
58 49.6 24.8 74.4



#60
Dibromochloromethane
Concen: 49.284 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

Tgt Ion: 129 Resp: 288174
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8

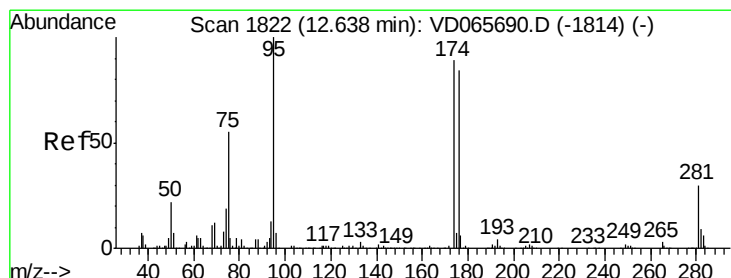
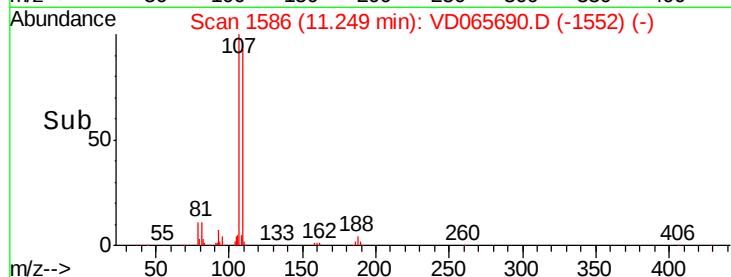
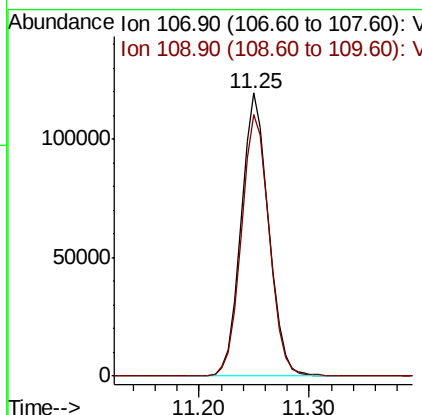
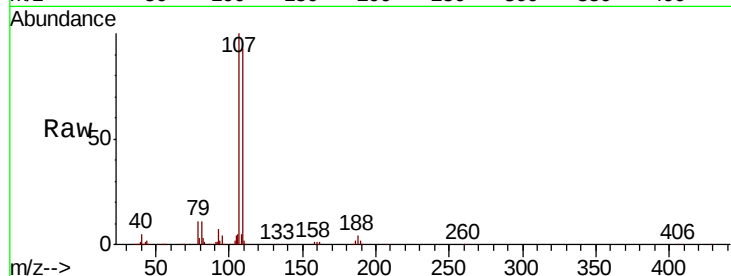




#61
 1,2-Dibromoethane
 Concen: 49.212 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065690.D
 Acq: 01 May 2020 19:14

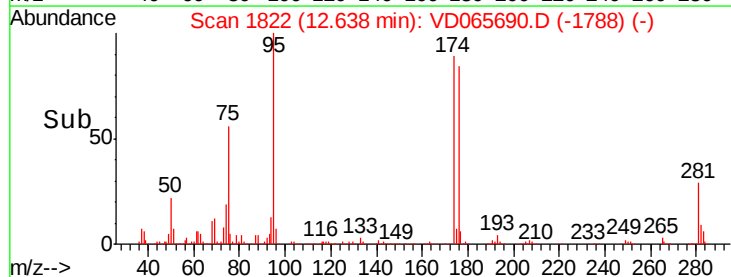
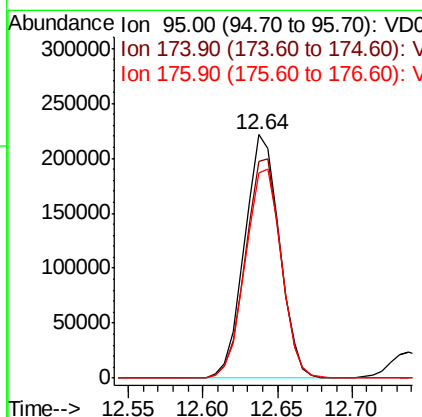
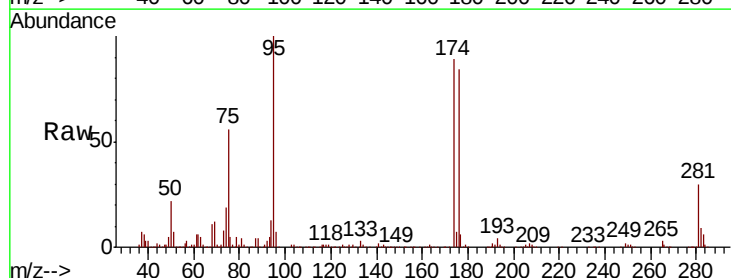
Instrument :
 MSVOA_D
 ClientSampleId :

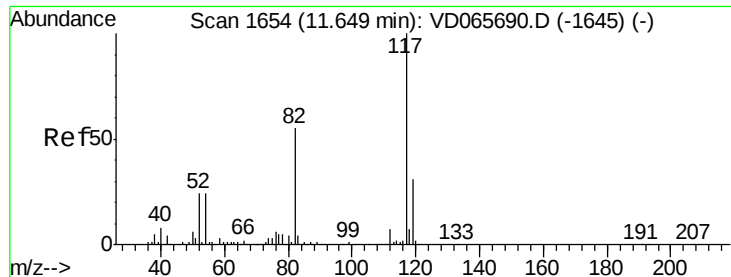
Tot Ion:107 Resp: 208997
 Ion Ratio Lower Upper
 107 100
 109 92.5 74.0 111.0



#62
 4-Bromofluorobenzene
 Concen: 60.345 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065690.D
 Acq: 01 May 2020 19:14

Tgt Ion: 95 Resp: 358937
 Ion Ratio Lower Upper
 95 100
 174 88.8 0.0 177.6
 176 84.1 0.0 168.2

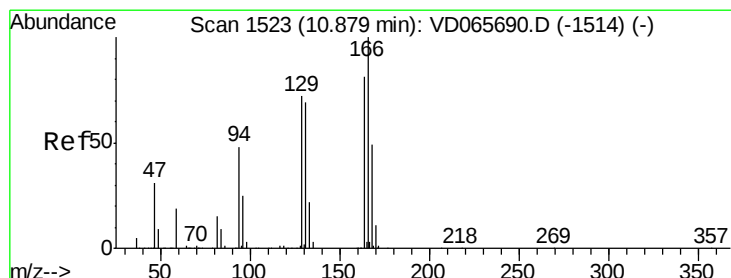
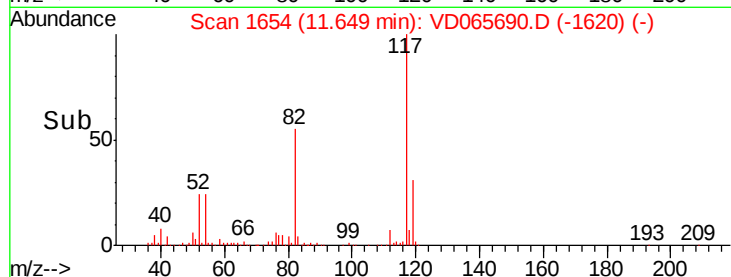
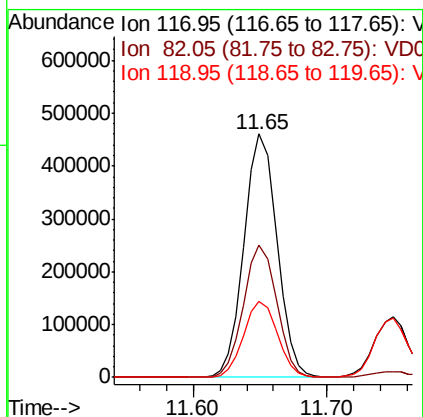
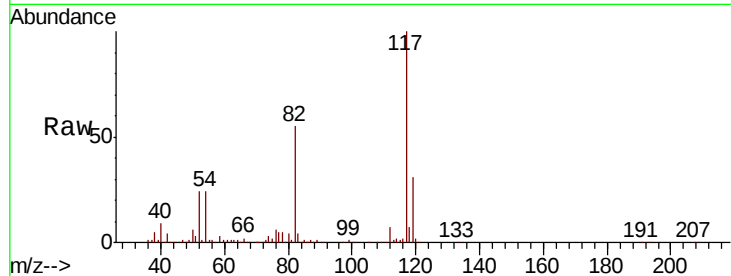




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

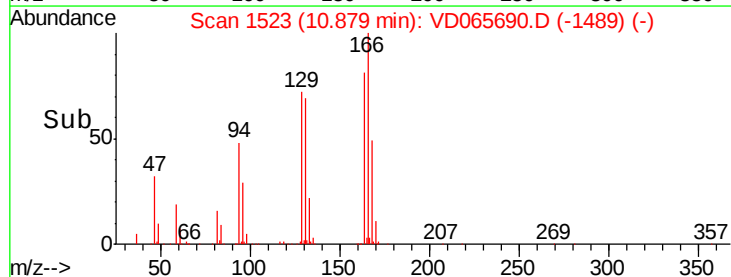
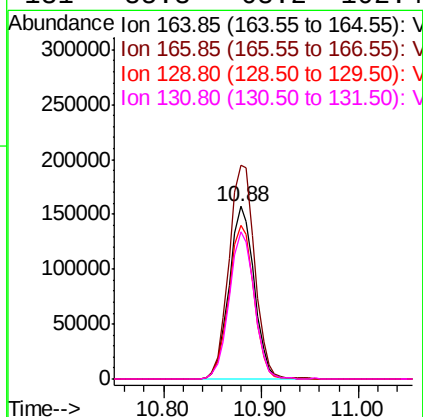
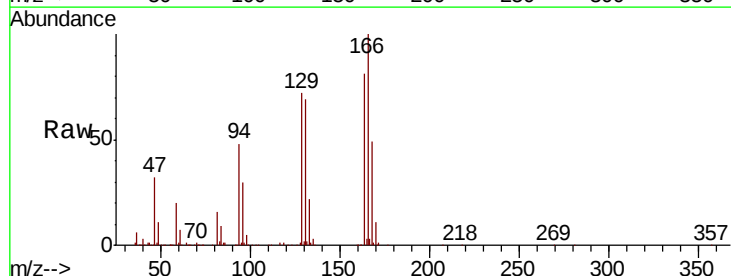
Instrument :
MSVOA_D
ClientSampleId :

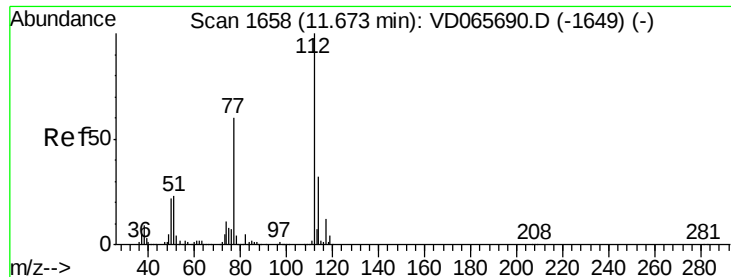
Tot Ion:117 Resp: 790401
Ion Ratio Lower Upper
117 100
82 54.5 43.6 65.4
119 31.3 25.0 37.6



#64
Tetrachloroethene
Concen: 49.545 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

Tgt Ion:164 Resp: 280298
Ion Ratio Lower Upper
164 100
166 123.8 99.0 148.6
129 89.4 71.5 107.3
131 85.3 68.2 102.4

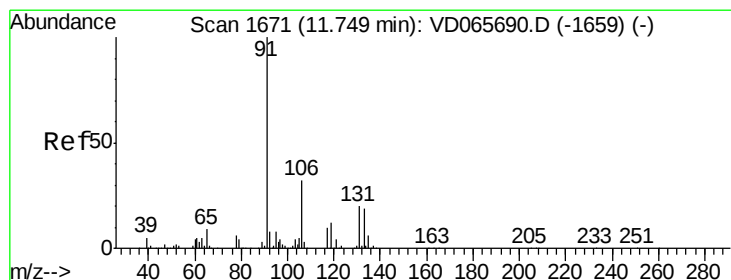
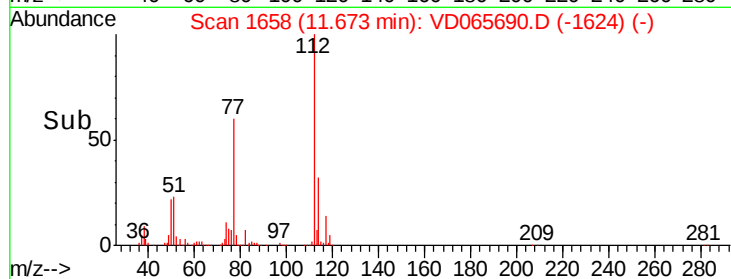
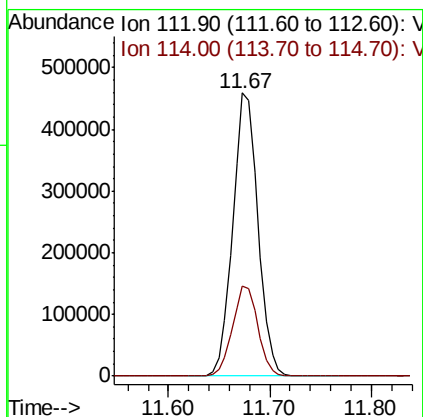
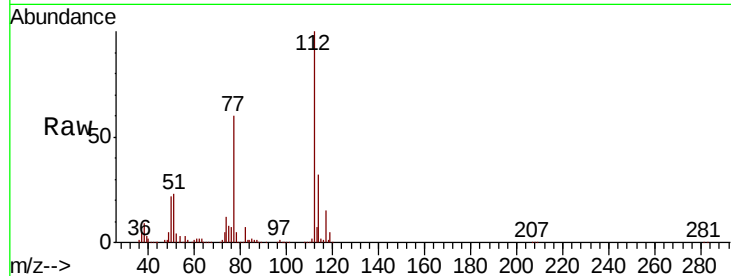




#65
Chlorobenzene
Concen: 52.045 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

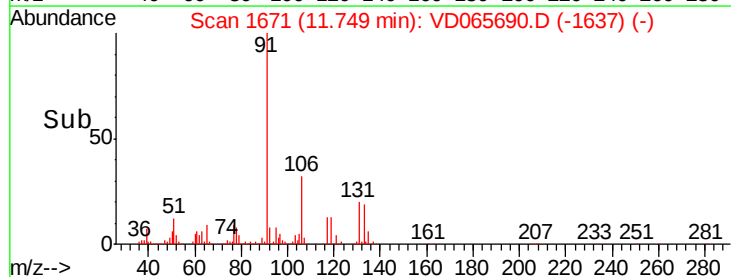
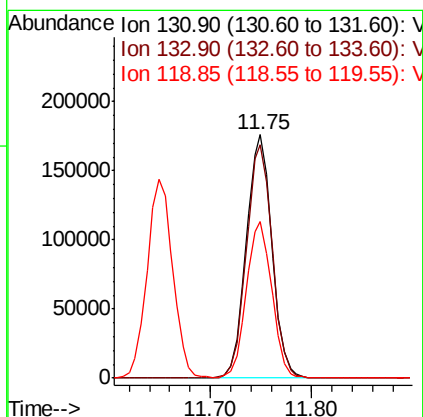
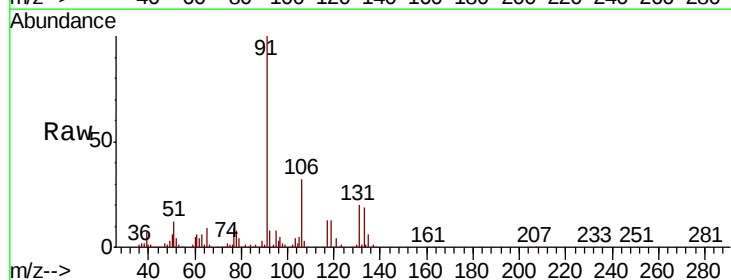
Instrument :
MSVOA_D
ClientSampled :

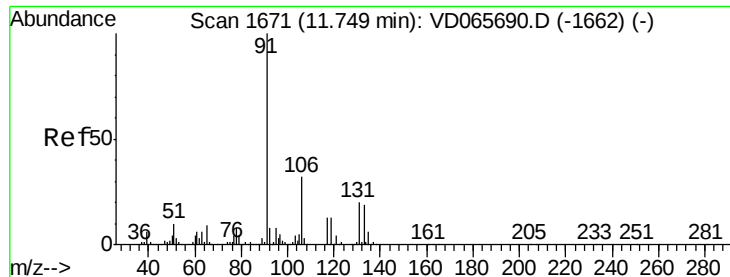
Tot Ion:112 Resp: 790632
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 48.584 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

Tgt Ion:131 Resp: 307410
Ion Ratio Lower Upper
131 100
133 95.9 47.9 143.8
119 64.1 32.0 96.2





#67

Ethyl Benzene

Concen: 56.346 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

Instrument :

MSVOA_D

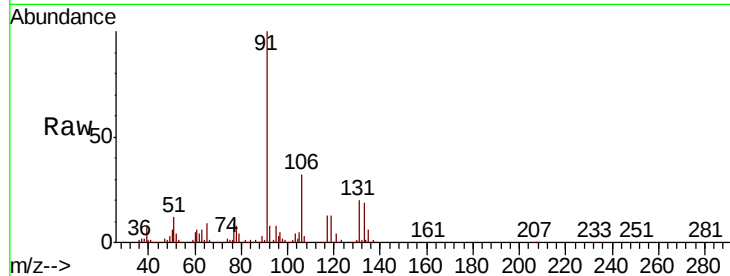
ClientSampled :

Tot Ion: 91 Resp: 1424369

Ion Ratio Lower Upper

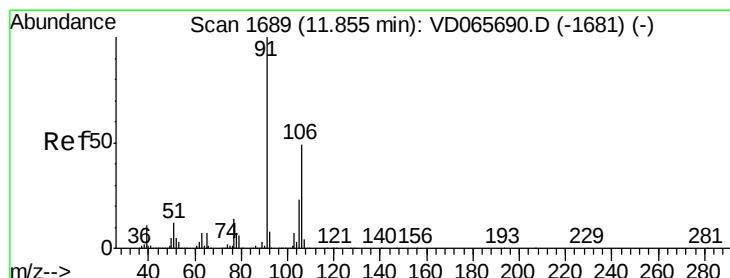
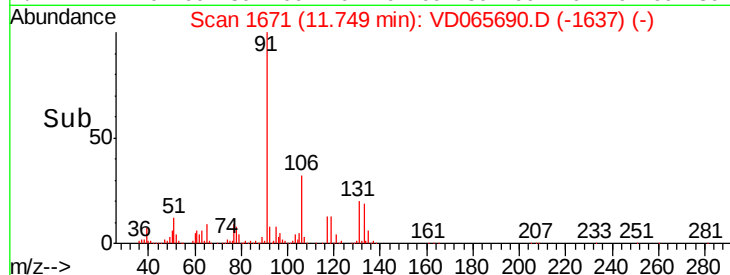
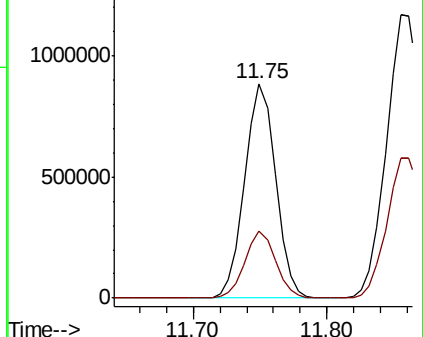
91 100

106 31.5 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): VDC



#68

m/p-Xylenes

Concen: 119.137 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065690.D

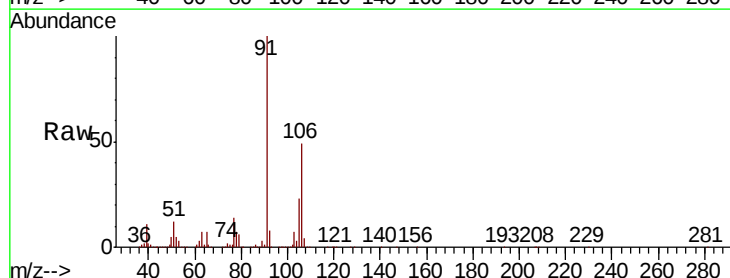
Acq: 01 May 2020 19:14

Tgt Ion: 106 Resp: 1107665

Ion Ratio Lower Upper

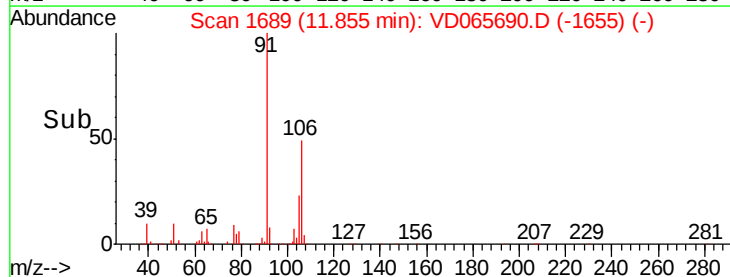
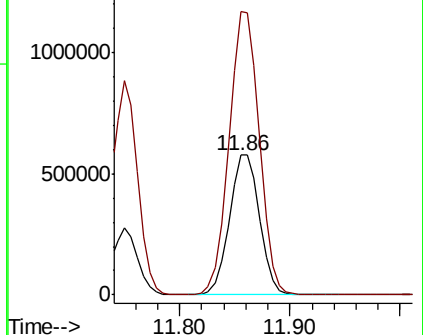
106 100

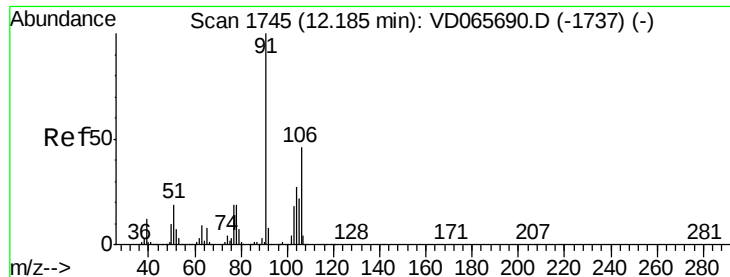
91 202.7 162.2 243.2



Abundance Ion 106.05 (105.75 to 106.75): VDC

Ion 91.00 (90.70 to 91.70): VDC

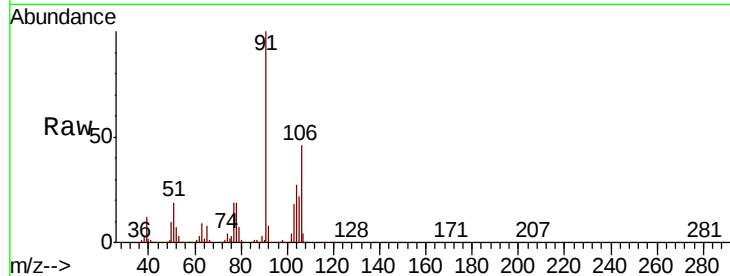




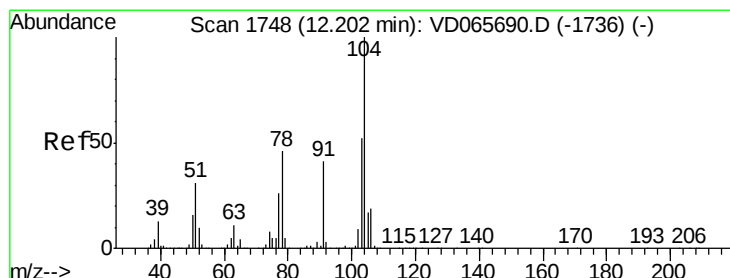
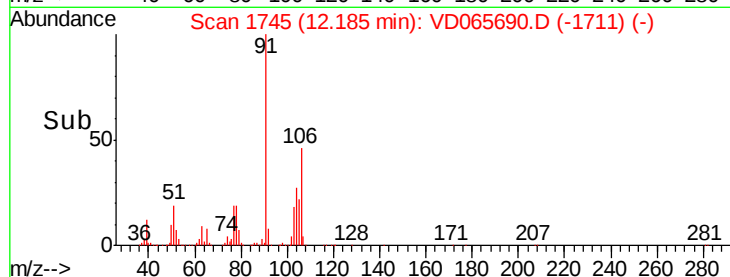
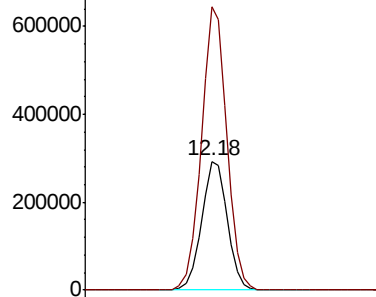
#69
o-Xylene
Concen: 56.812 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 477413
Ion Ratio Lower Upper
106 100
91 219.3 109.7 329.0

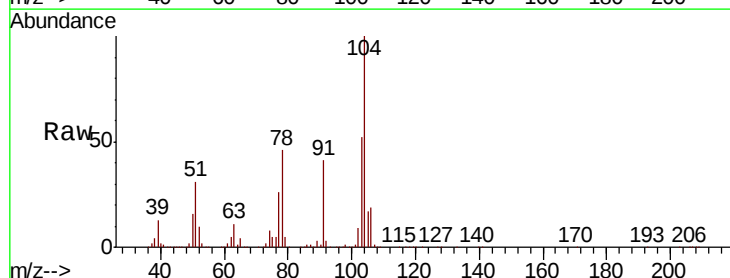


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

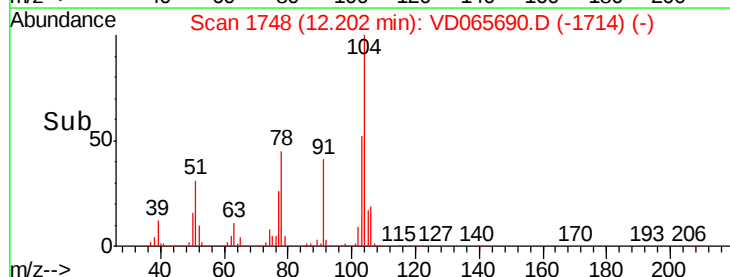
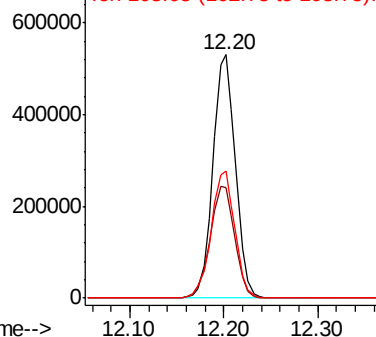


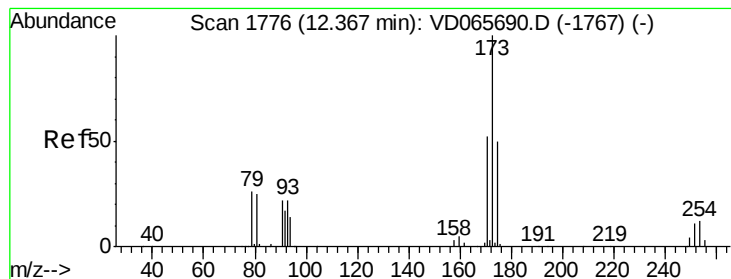
#70
Styrene
Concen: 59.900 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

Tgt Ion:104 Resp: 876537
Ion Ratio Lower Upper
104 100
78 45.5 36.4 54.6
103 52.1 41.7 62.5



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 48.415 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

Instrument :

MSVOA_D

ClientSampled :

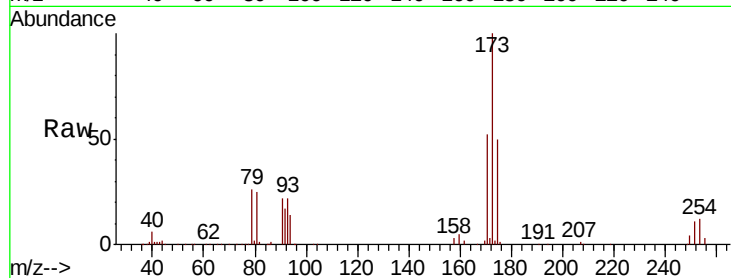
Tot Ion:173 Resp: 174893

Ion Ratio Lower Upper

173 100

175 49.9 24.9 74.8

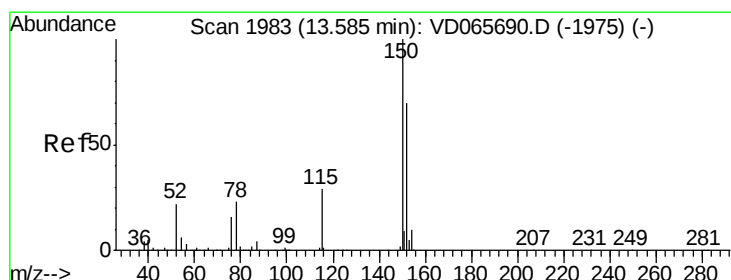
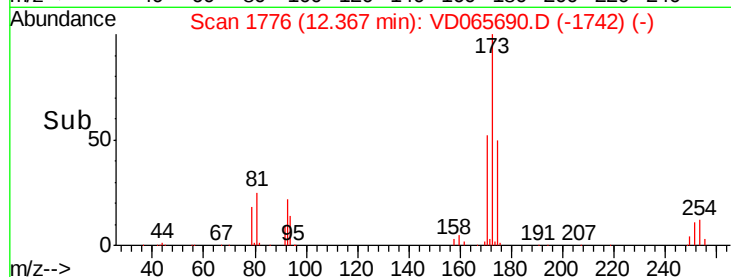
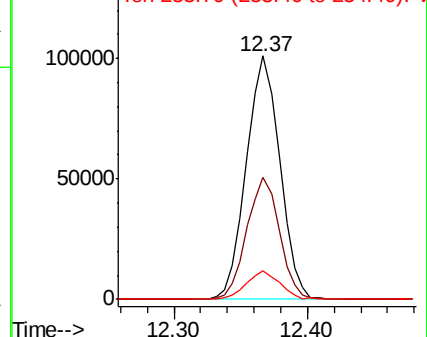
254 11.7 9.4 14.0



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: VD065690.D

Acq: 01 May 2020 19:14

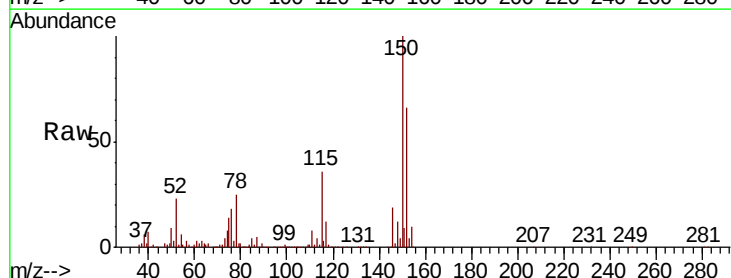
Tgt Ion:152 Resp: 423594

Ion Ratio Lower Upper

152 100

115 53.5 26.8 80.3

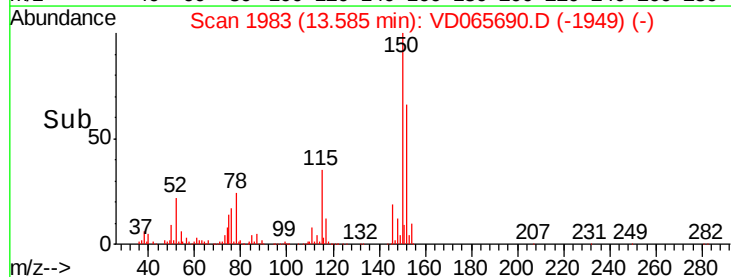
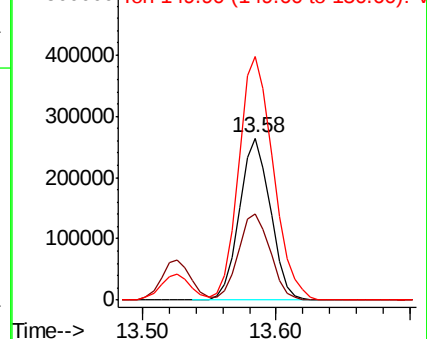
150 150.6 0.0 301.2

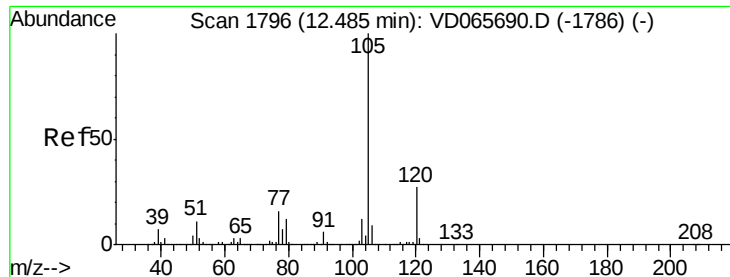


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.179 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

Instrument :

MSVOA_D

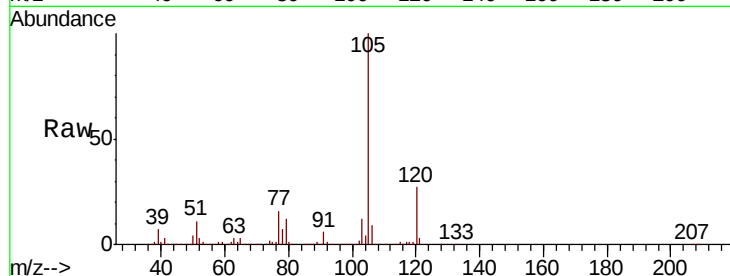
ClientSampled :

Tot Ion:105 Resp: 1331375

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.48

800000

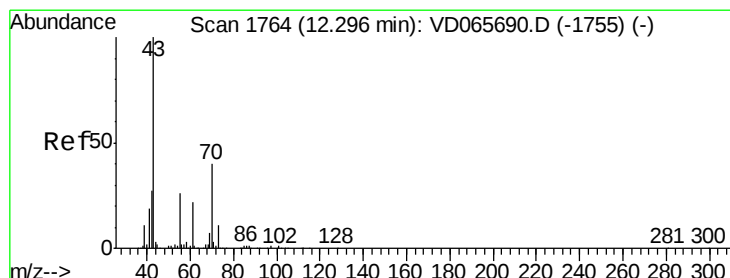
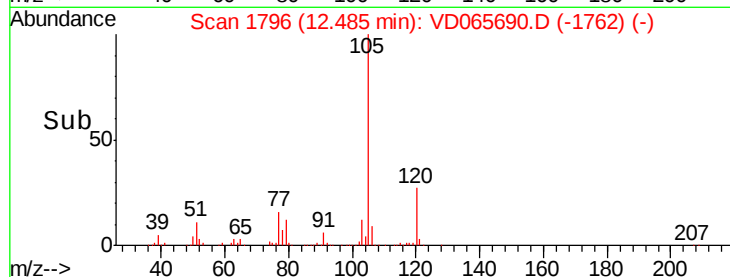
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 42.718 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

Tgt Ion: 43 Resp: 304379

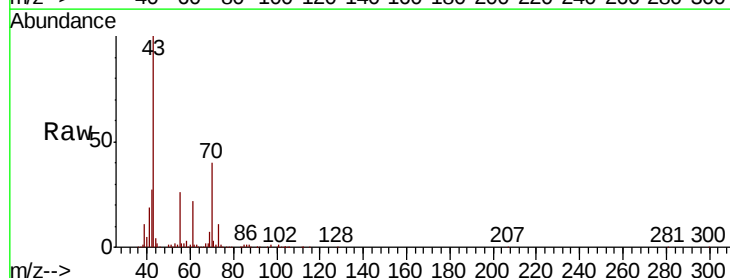
Ion Ratio Lower Upper

43 100

70 40.0 32.0 48.0

55 25.5 20.4 30.6

61 22.0 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

300000

250000

200000

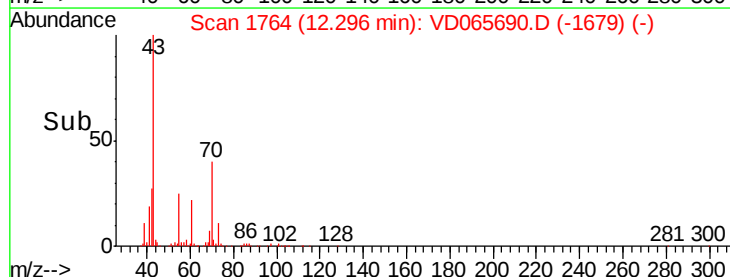
150000

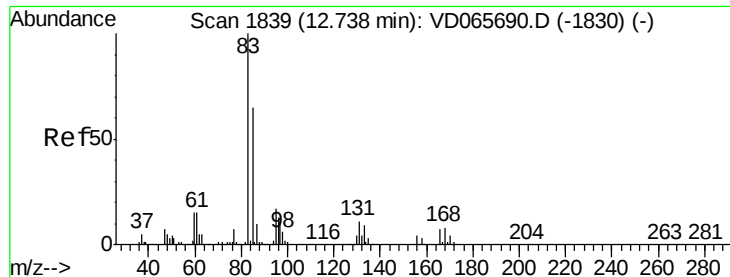
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 42.972 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

Instrument :

MSVOA_D

ClientSampleId :

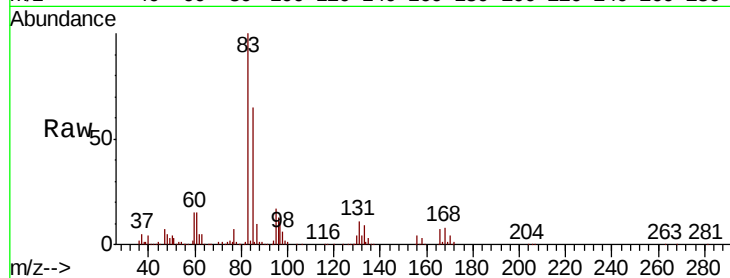
Tot Ion: 83 Resp: 232328

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.5

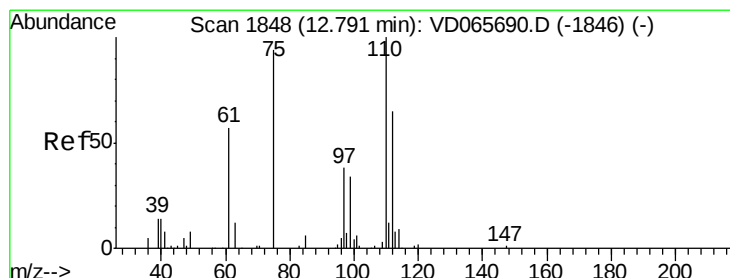
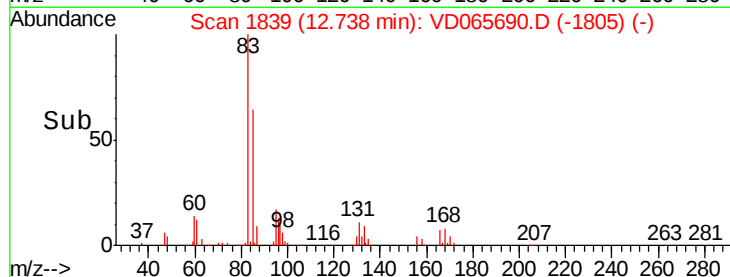
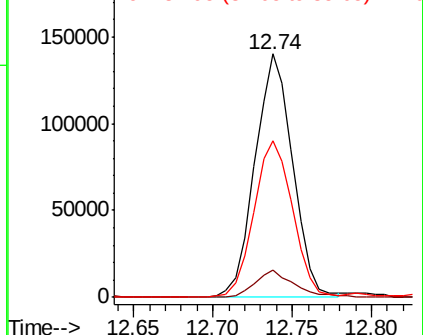
85 64.6 32.3 96.9



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: 62.739 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065690.D

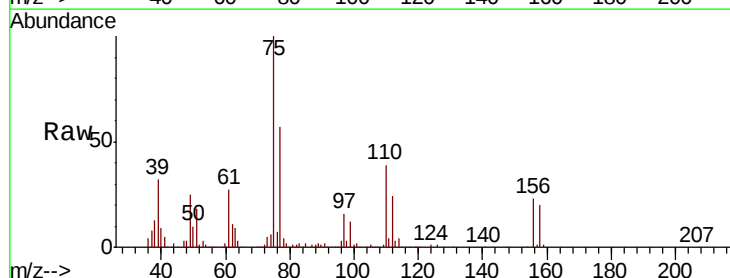
Acq: 01 May 2020 19:14

Tgt Ion: 75 Resp: 313827

Ion Ratio Lower Upper

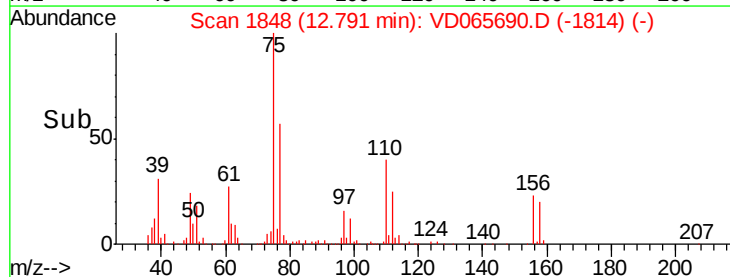
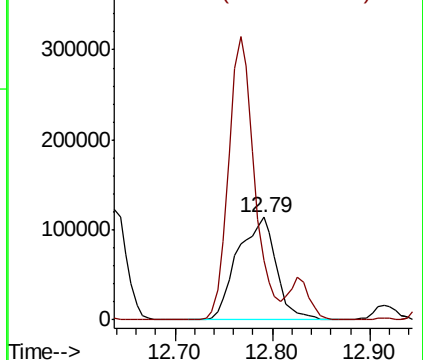
75 100

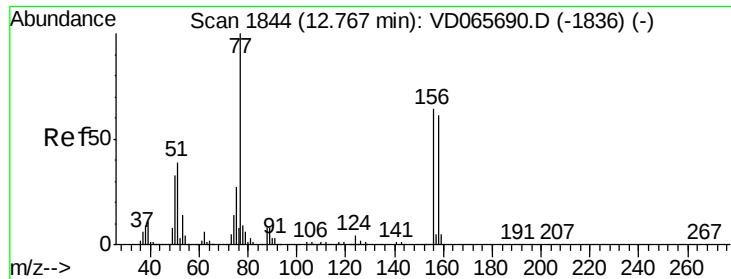
77 57.4 28.7 86.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 42.504 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

Instrument :

MSVOA_D

ClientSampleId :

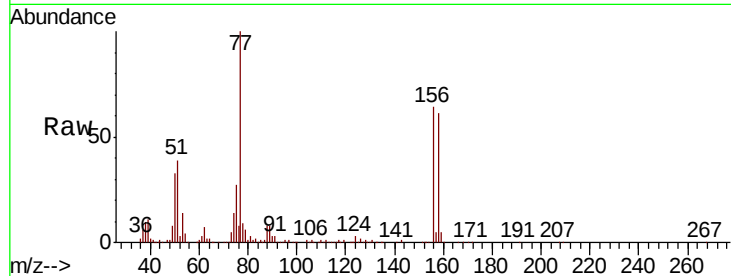
Tot Ion:156 Resp: 337862

Ion Ratio Lower Upper

156 100

77 156.8 78.4 235.2

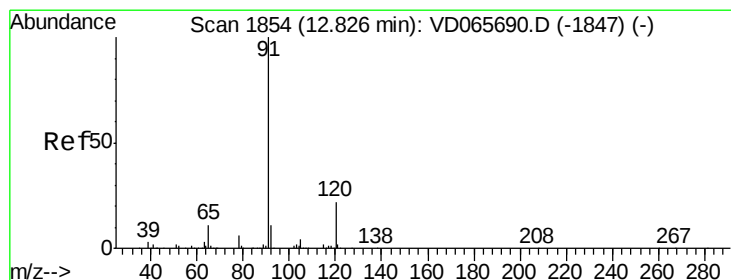
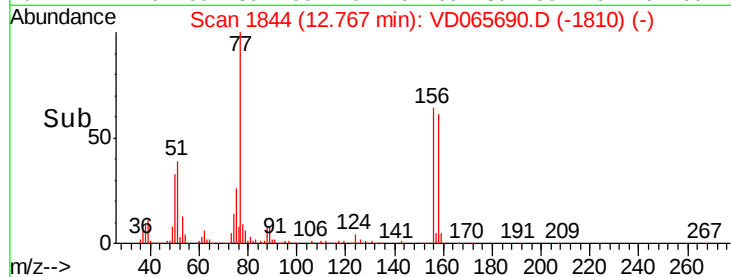
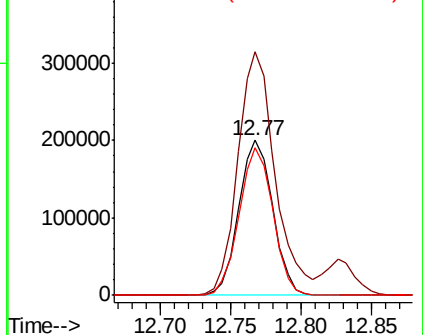
158 95.2 47.6 142.8



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: 49.347 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065690.D

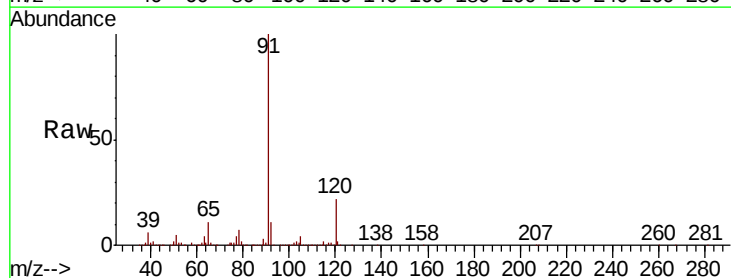
Acq: 01 May 2020 19:14

Tgt Ion: 91 Resp: 1616286

Ion Ratio Lower Upper

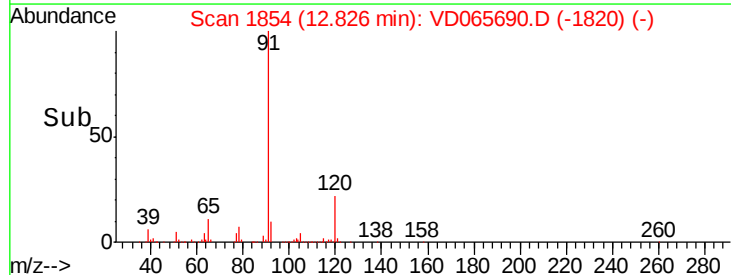
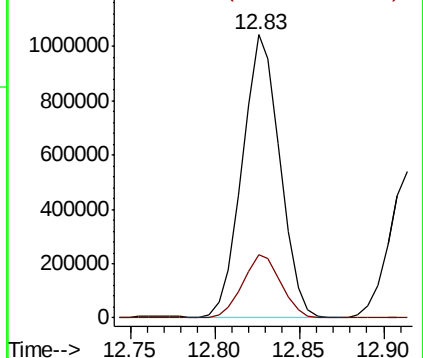
91 100

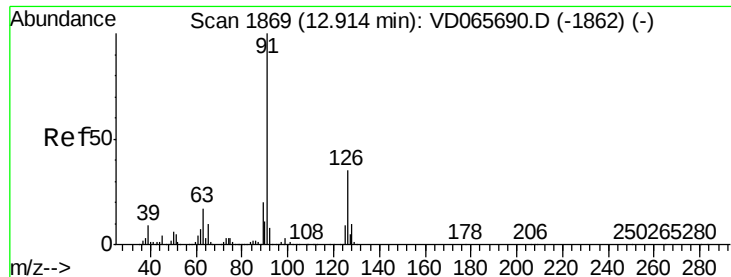
120 22.4 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

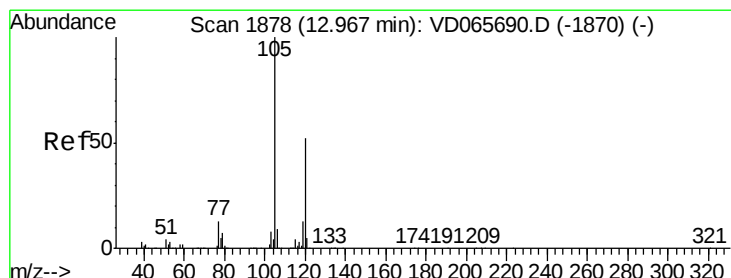
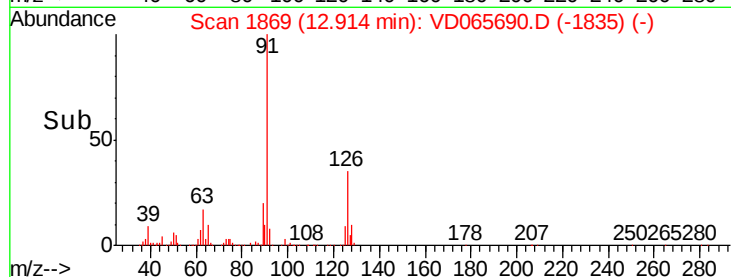
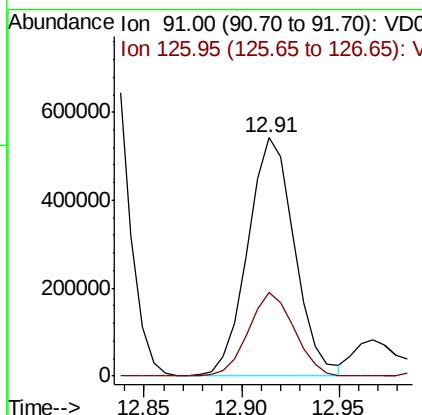
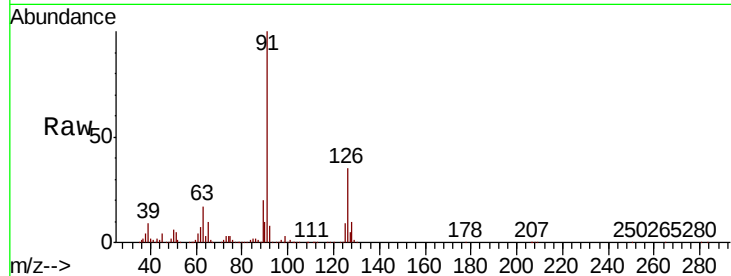




#79
 2-Chlorotoluene
 Concen: 46.137 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065690.D
 Acq: 01 May 2020 19:14

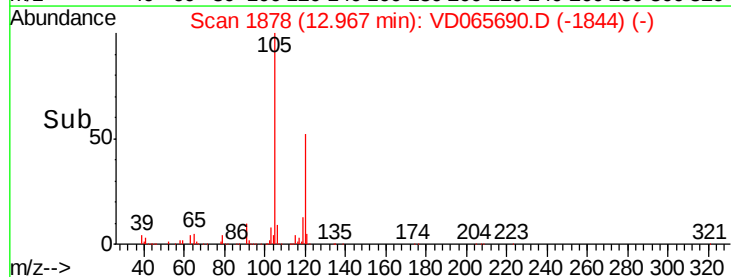
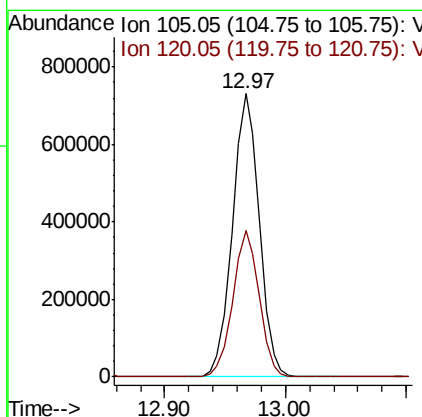
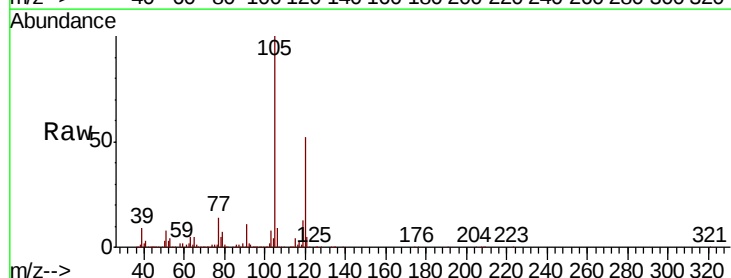
Instrument :
 MSVOA_D
 ClientSampleId :

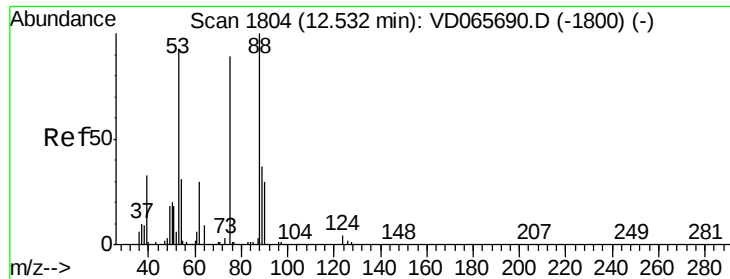
Tot Ion: 91 Resp: 899620
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.6 52.9



#80
 1,3,5-Trimethylbenzene
 Concen: 49.435 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065690.D
 Acq: 01 May 2020 19:14

Tgt Ion: 105 Resp: 1125859
 Ion Ratio Lower Upper
 105 100
 120 51.8 25.9 77.7





#81

trans-1,4-Dichloro-2-butene

Concen: 45.961 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

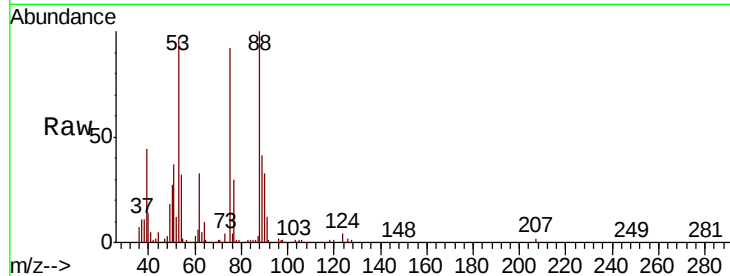
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 74481

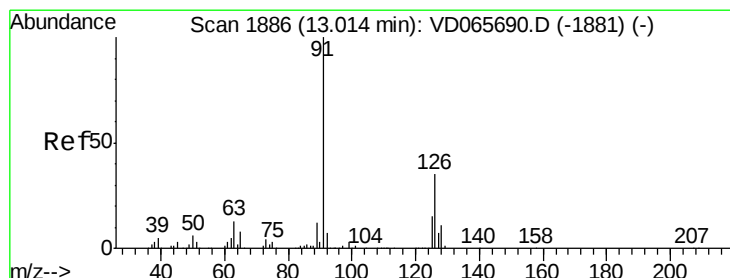
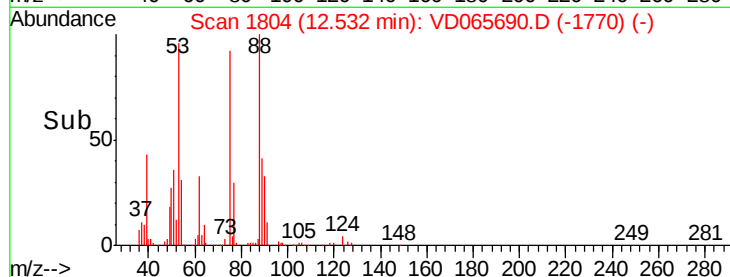
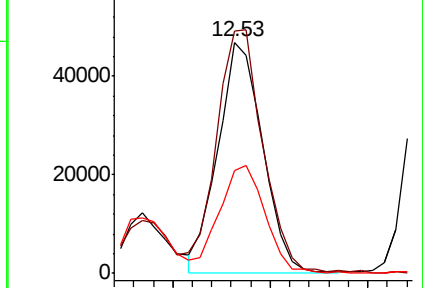
Ion	Ratio	Lower	Upper
75	100		
53	105.0	84.0	126.0
89	44.4	35.5	53.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 44.766 ug/l

RT: 13.01 min Scan# 1886

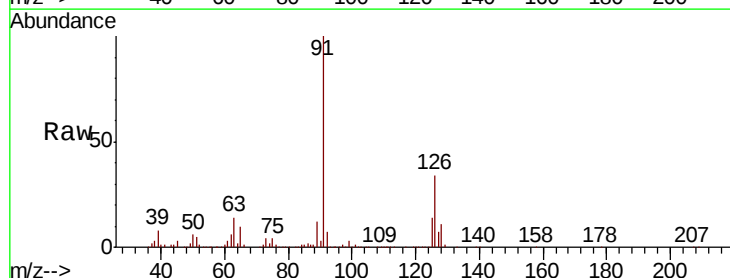
Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

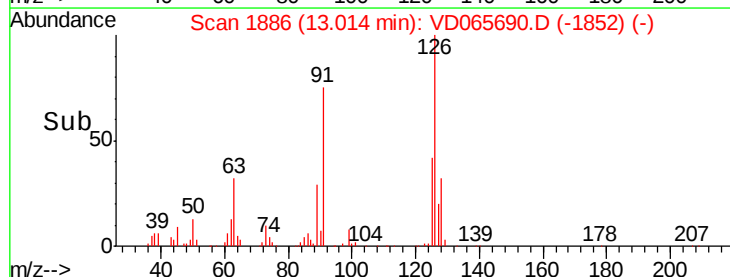
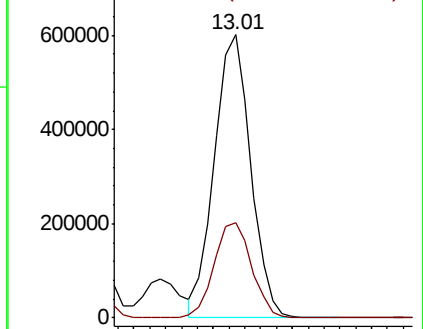
Tgt Ion: 91 Resp: 955265

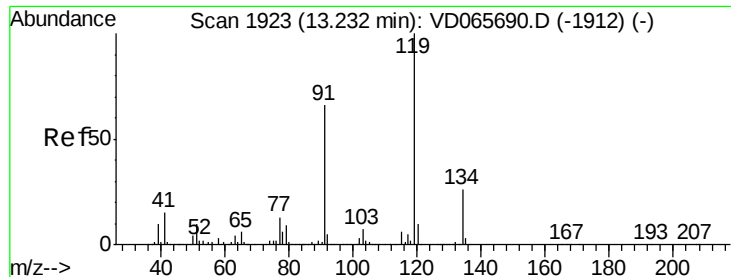
Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.9	50.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 37.591 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

Instrument :

MSVOA_D

ClientSampleId :

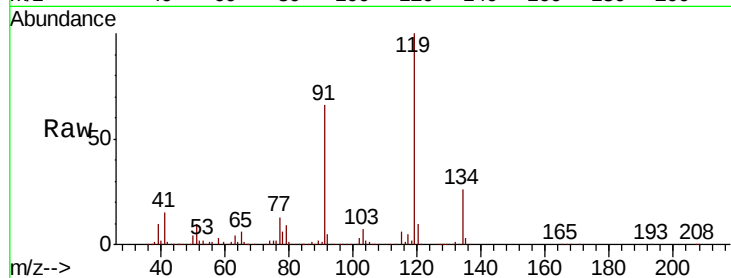
Tot Ion:119 Resp: 936464

Ion Ratio Lower Upper

119 100

91 65.8 32.9 98.7

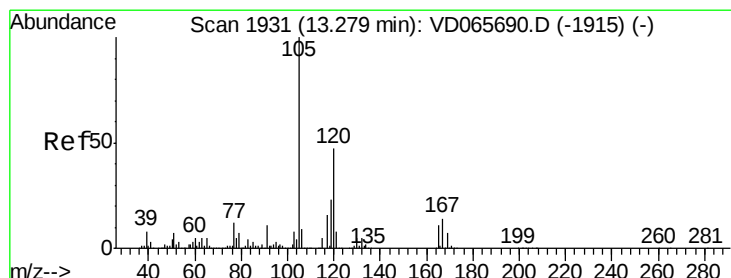
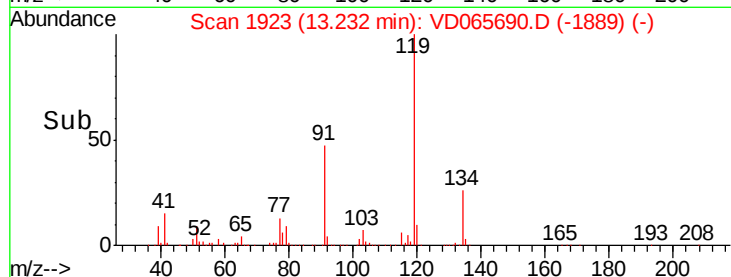
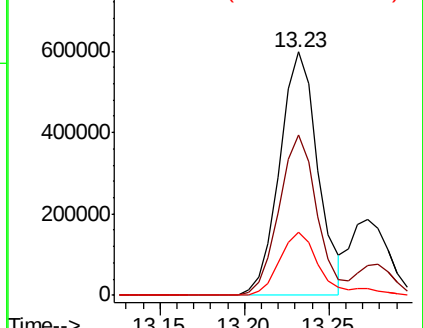
134 25.8 12.9 38.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.614 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. 0.00 min

Lab File: VD065690.D

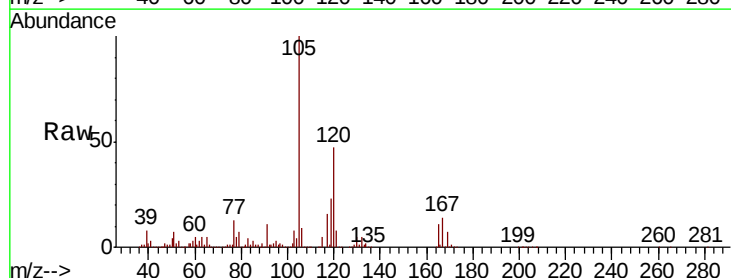
Acq: 01 May 2020 19:14

Tgt Ion:105 Resp: 1133128

Ion Ratio Lower Upper

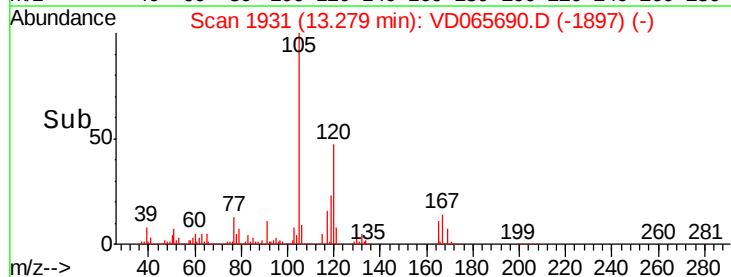
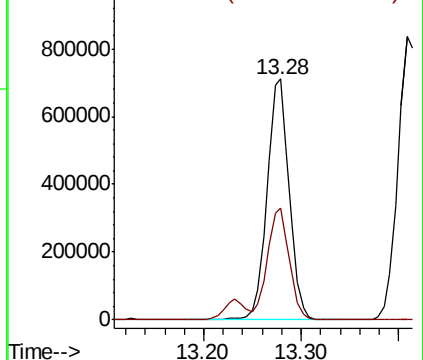
105 100

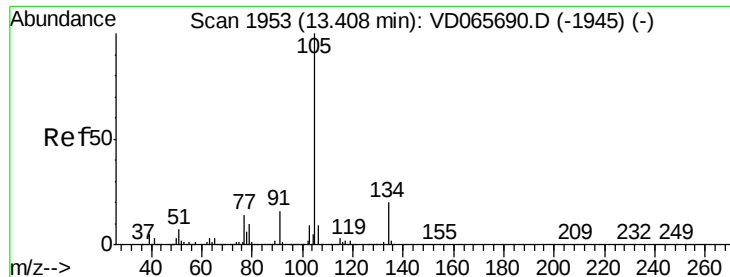
120 46.5 23.3 69.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

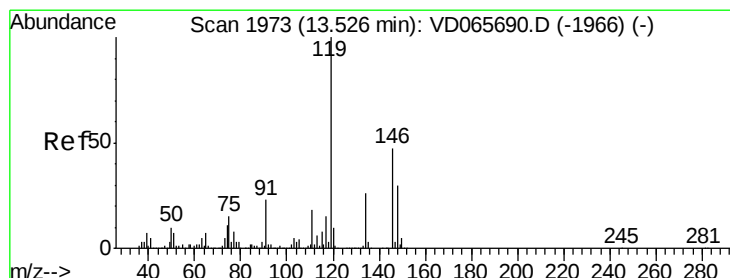
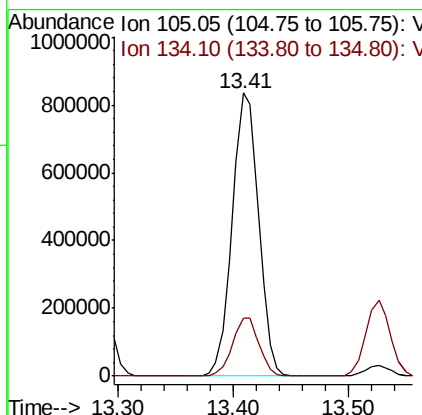
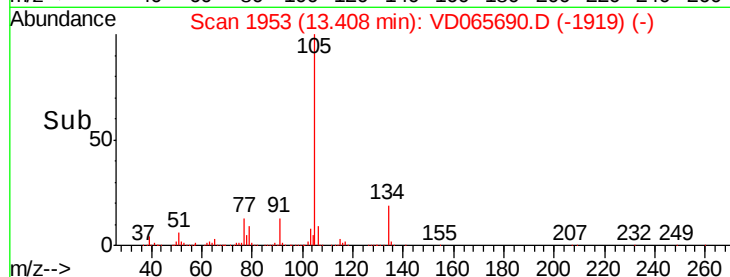
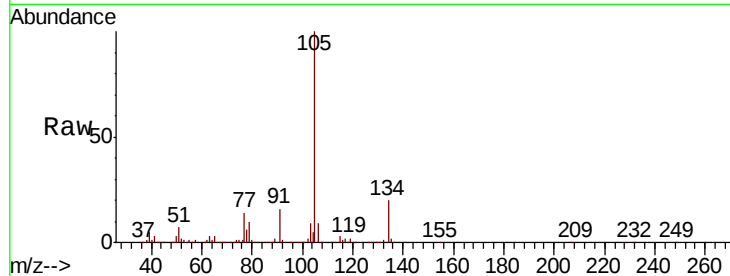




#85
 sec-Butylbenzene
 Concen: 47.204 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065690.D
 Acq: 01 May 2020 19:14

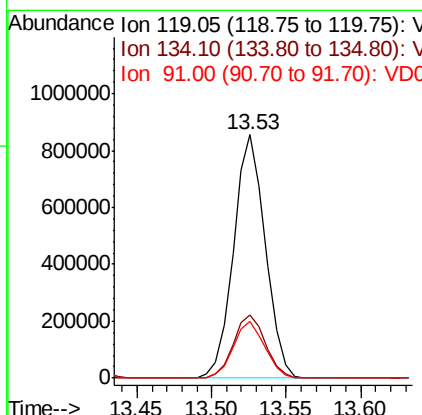
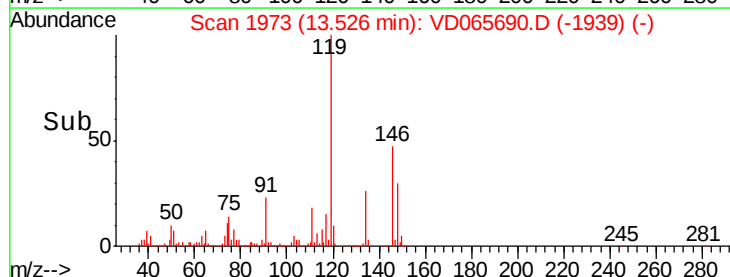
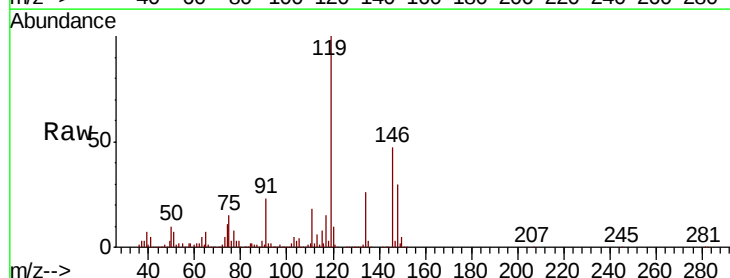
Instrument :
 MSVOA_D
 ClientSampleID :

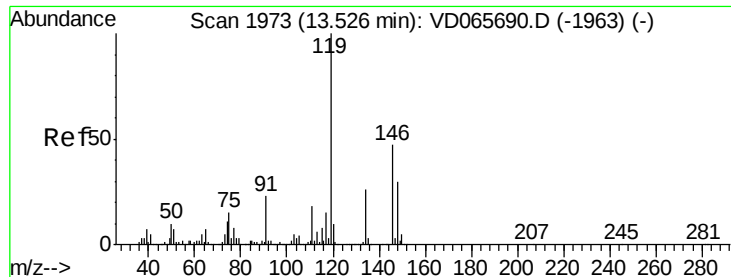
Tot Ion:105 Resp: 1324435
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 50.212 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065690.D
 Acq: 01 May 2020 19:14

Tgt Ion:119 Resp: 1260244
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.1 39.3
 91 23.4 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 45.859 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

Instrument :

MSVOA_D

ClientSampled :

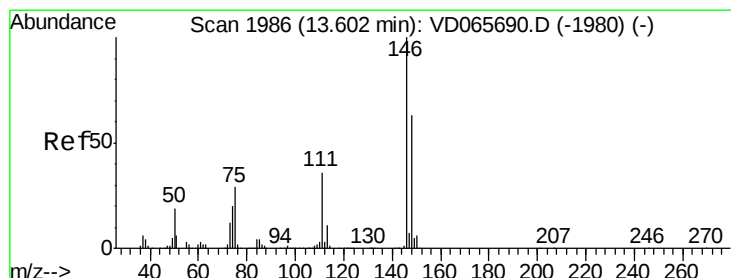
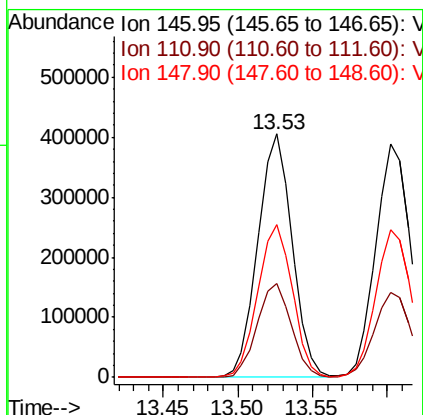
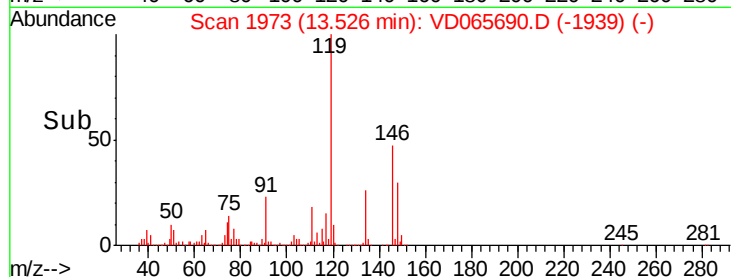
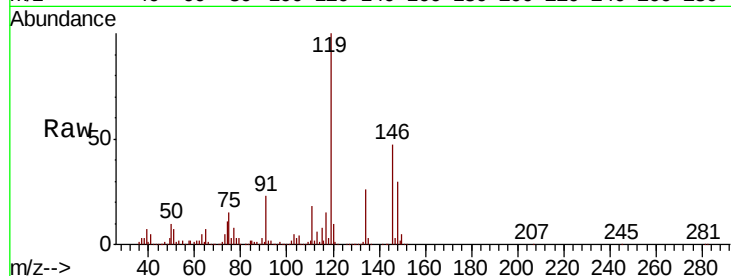
Tot Ion:146 Resp: 645664

Ion Ratio Lower Upper

146 100

111 38.8 19.4 58.2

148 62.7 31.4 94.0



#88

1,4-Dichlorobenzene

Concen: 47.656 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

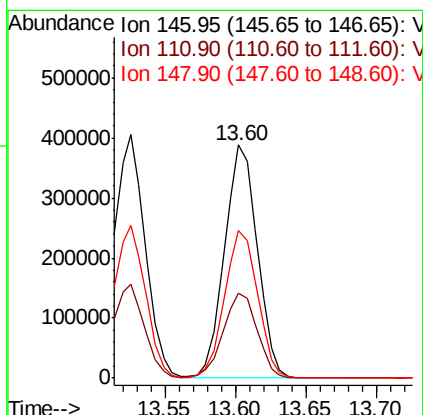
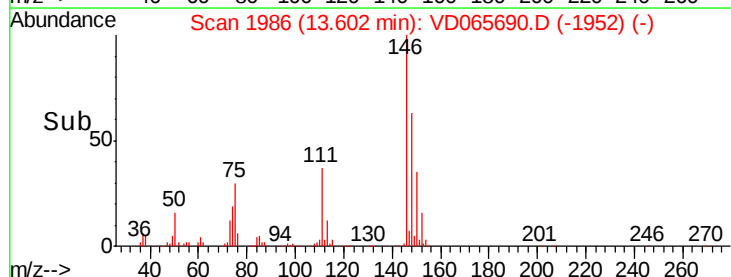
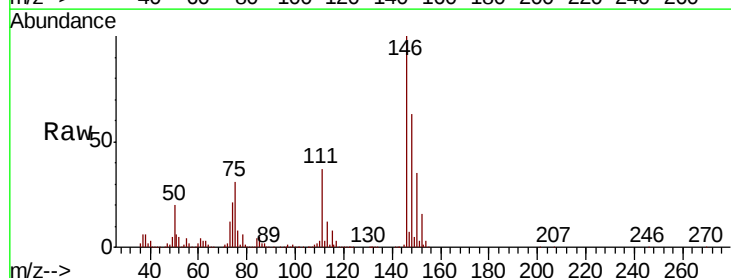
Tgt Ion:146 Resp: 628067

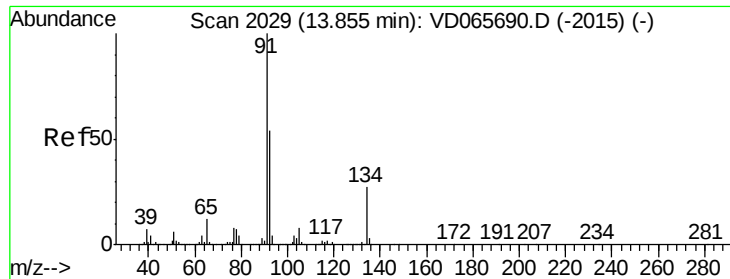
Ion Ratio Lower Upper

146 100

111 36.6 18.3 54.9

148 63.2 31.6 94.8

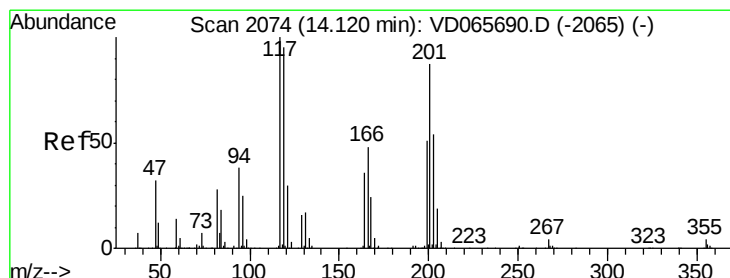
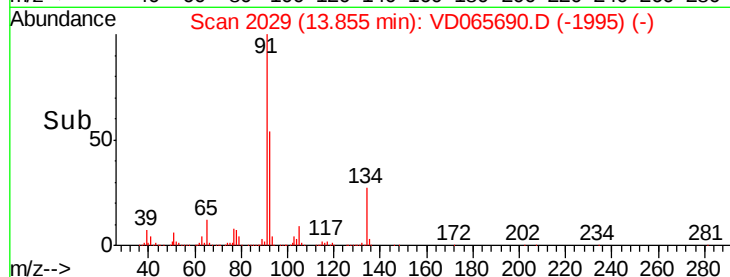
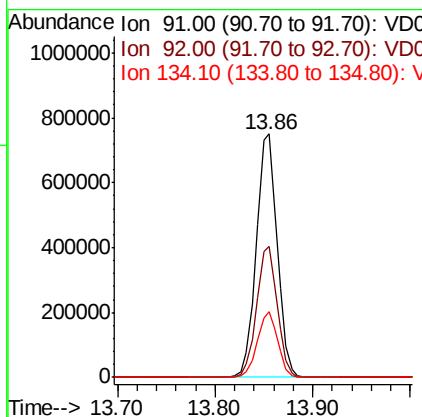
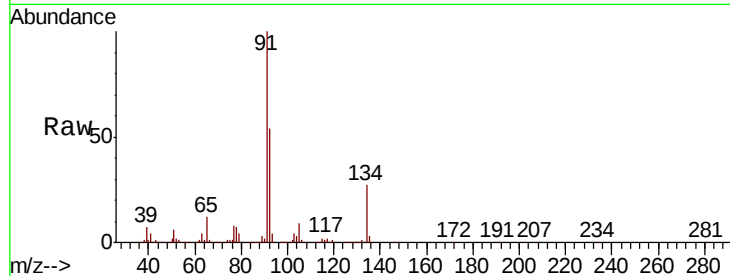




#89
n-Butylbenzene
Concen: 49.921 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

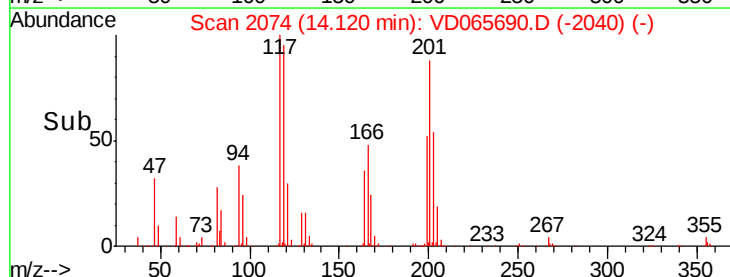
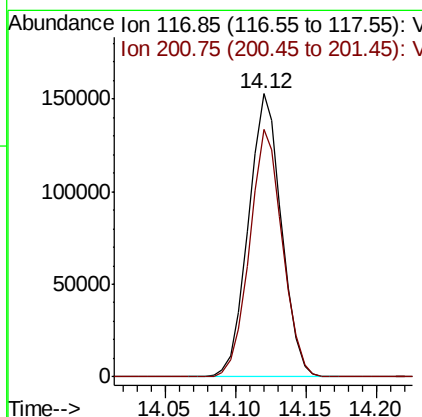
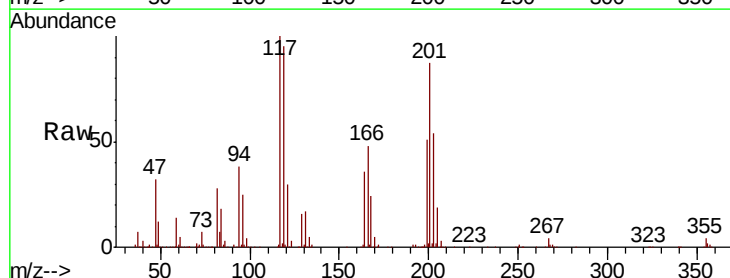
Instrument :
MSVOA_D
ClientSampleId :

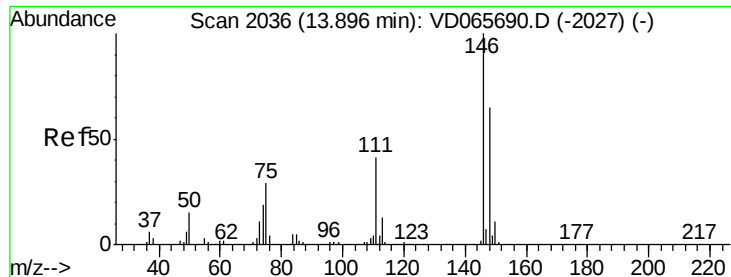
Tot Ion: 91 Resp: 1138815
Ion Ratio Lower Upper
91 100
92 54.0 27.0 81.0
134 27.0 13.5 40.5



#90
Hexachloroethane
Concen: 38.543 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065690.D
Acq: 01 May 2020 19:14

Tgt Ion: 117 Resp: 250653
Ion Ratio Lower Upper
117 100
201 87.4 43.7 131.1





#91

1,2-Dichlorobenzene

Concen: 47.282 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

Instrument :

MSVOA_D

ClientSampleId :

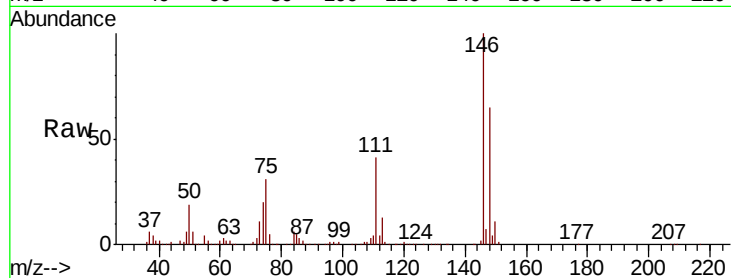
Tot Ion:146 Resp: 554404

Ion Ratio Lower Upper

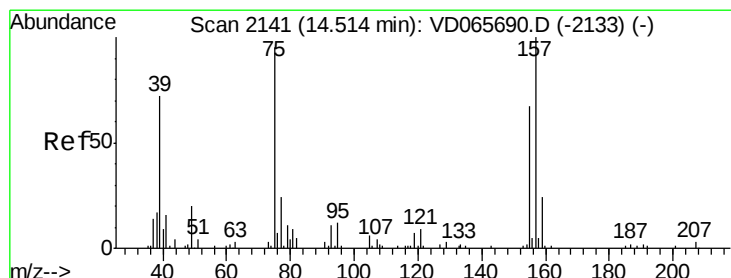
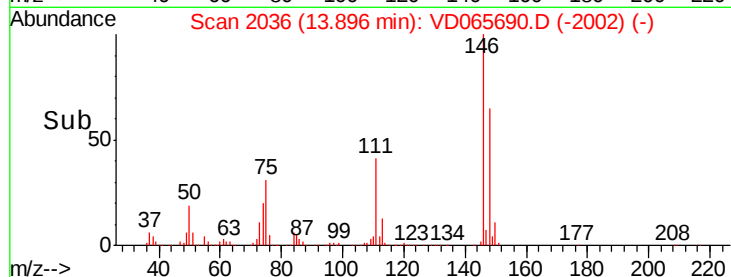
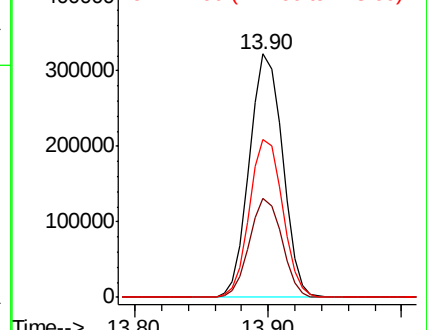
146 100

111 40.5 20.3 60.8

148 64.9 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: 53.250 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

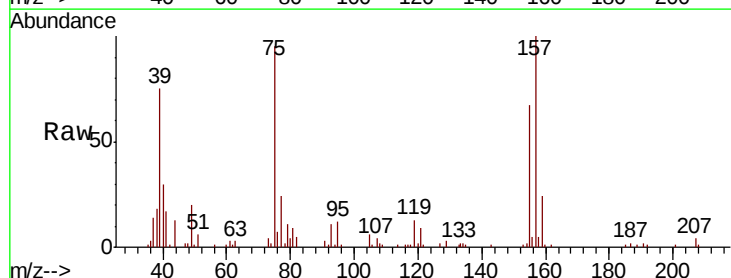
Tgt Ion: 75 Resp: 39844

Ion Ratio Lower Upper

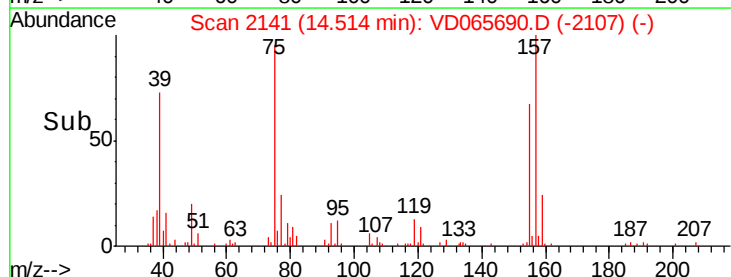
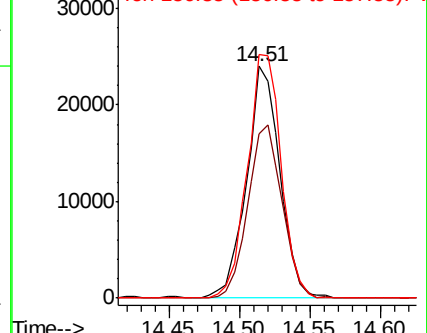
75 100

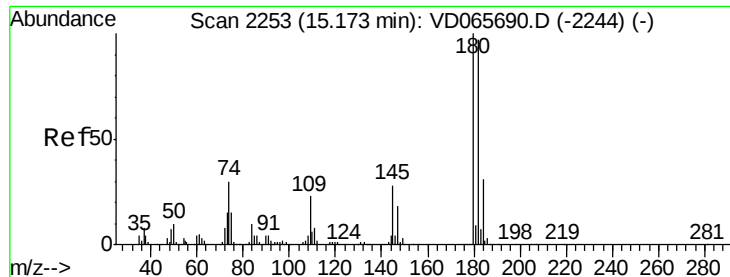
155 70.9 35.4 106.3

157 105.2 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

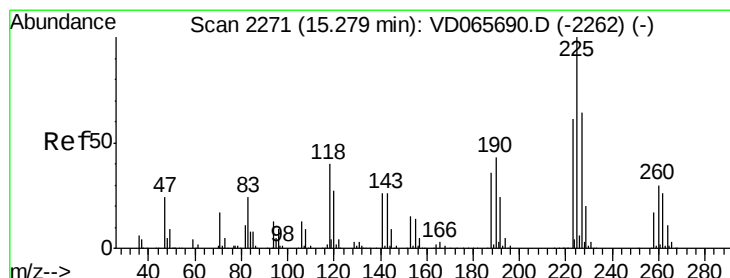
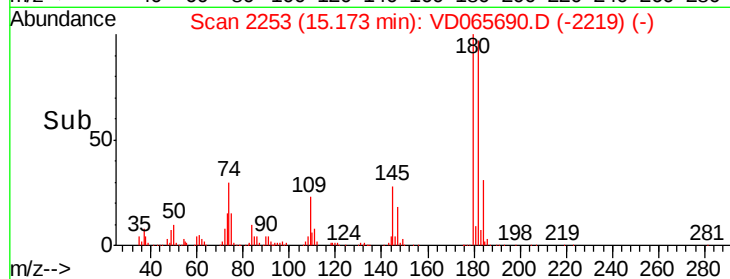
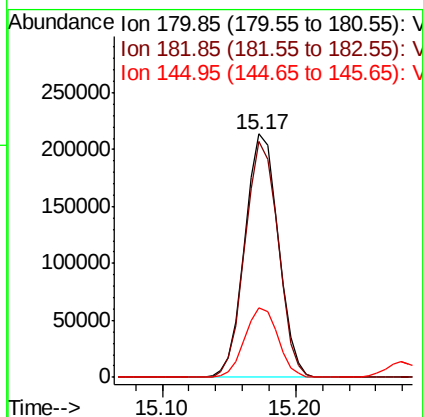
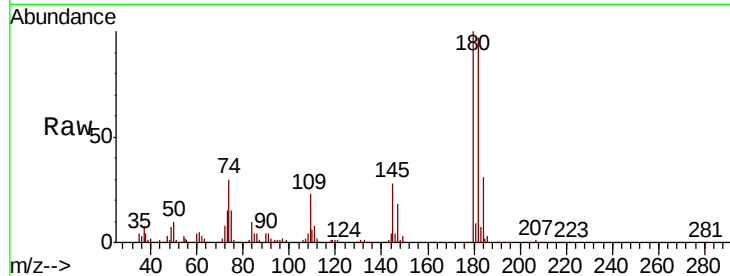




#93
 1,2,4-Trichlorobenzene
 Concen: 57.516 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065690.D
 Acq: 01 May 2020 19:14

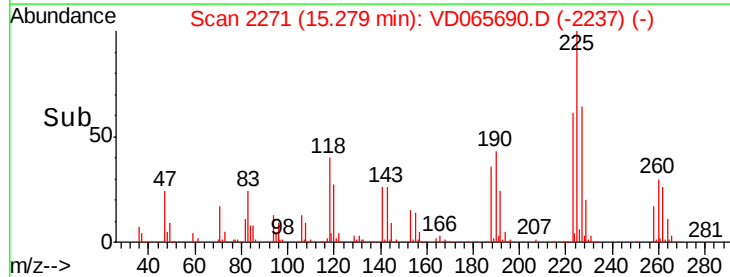
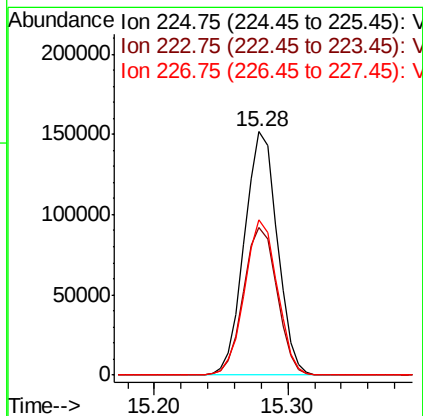
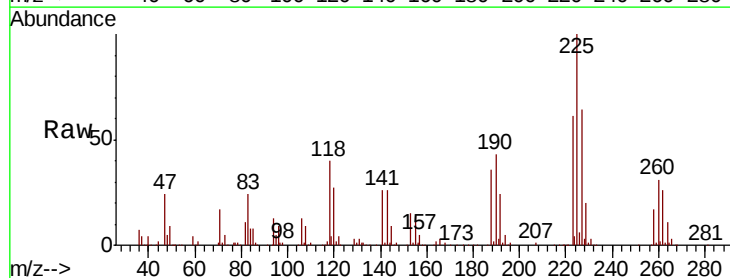
Instrument :
 MSVOA_D
 ClientSampleId :

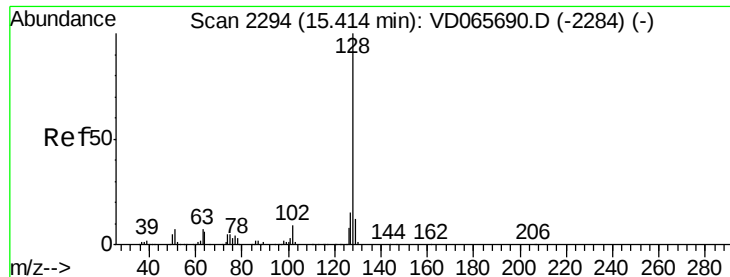
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	48.5	145.5
145	28.4	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 54.953 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065690.D
 Acq: 01 May 2020 19:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	30.4	91.3
227	64.0	32.0	96.0





#95

Naphthalene

Concen: 55.473 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

Instrument :

MSVOA_D

ClientSampleId :

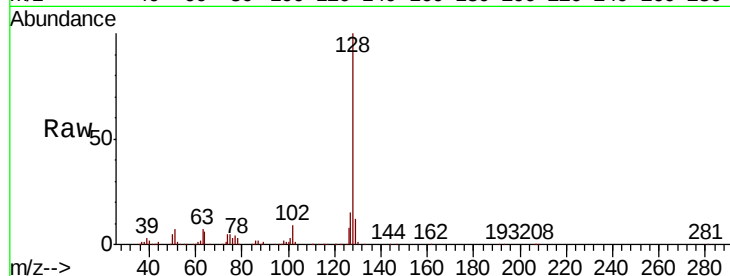
Tot Ion:128 Resp: 581238

Ion Ratio Lower Upper

128 100

127 14.7 11.8 17.6

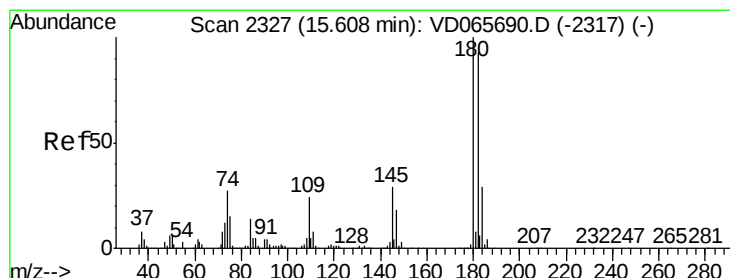
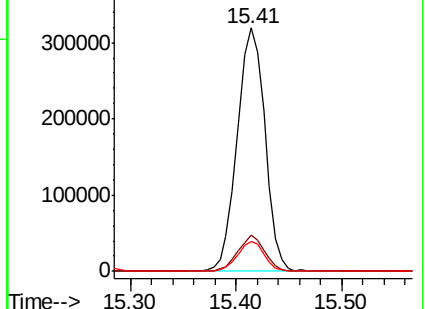
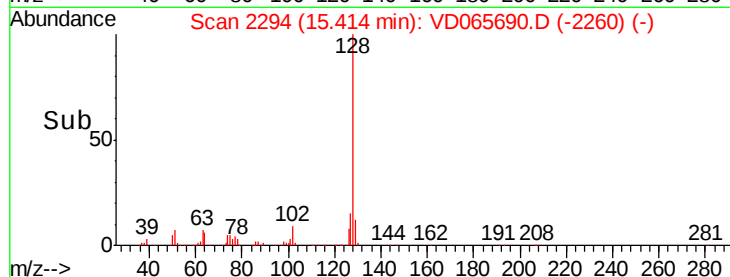
129 12.0 9.6 14.4



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: 82.530 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065690.D

Acq: 01 May 2020 19:14

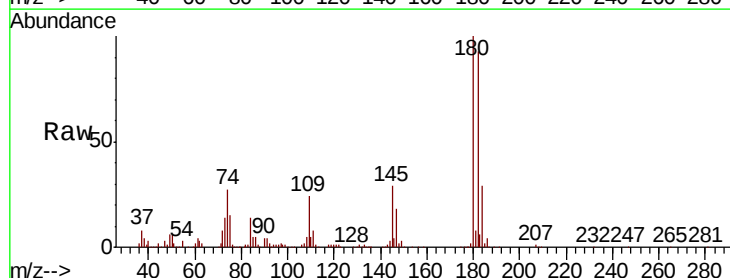
Tgt Ion:180 Resp: 334764

Ion Ratio Lower Upper

180 100

182 93.1 46.6 139.7

145 29.1 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

