

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050120\
 Data File : VD065691.D
 Acq On : 01 May 2020 19:41
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 02 03:00:04 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	633610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	877643	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	834499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	438133	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	653040	122.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	244.80%	
35) Dibromofluoromethane	7.91	113	604407	98.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.96%	
50) Toluene-d8	10.34	98	2357974	147.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.18%	
62) 4-Bromofluorobenzene	12.64	95	752965	122.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	245.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	285724	55.037	ug/l	95
3) Chloromethane	2.21	50	558147	110.717	ug/l	97
4) Vinyl Chloride	2.34	62	700578	143.650	ug/l	99
5) Bromomethane	2.75	94	427656	239.636	ug/l	98
6) Chloroethane	2.91	64	465290	220.419	ug/l	99
7) Trichlorofluoromethane	3.27	101	901245	126.643	ug/l	99
8) Diethyl Ether	3.71	74	262571	137.687	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	545847	90.204	ug/l	98
10) Methyl Iodide	4.30	142	606201	86.081	ug/l	95
11) Tert butyl alcohol	5.23	59	168820	568.096	ug/l	95
12) 1,1-Dichloroethene	4.06	96	506735	97.736	ug/l	96
13) Acrolein	3.92	56	272500	793.057	ug/l	98
14) Allyl chloride	4.71	41	921944	123.995	ug/l	99
15) Acrylonitrile	5.43	53	633520	673.960	ug/l	95
16) Acetone	4.16	43	536008	457.371	ug/l	93
17) Carbon Disulfide	4.41	76	1607110	105.161	ug/l	99
18) Methyl Acetate	4.71	43	327279	125.848	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	1260294	118.623	ug/l	97
20) Methylene Chloride	4.96	84	609638	90.577	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	619756	103.525	ug/l	98
22) Diisopropyl ether	6.37	45	1916413	112.932	ug/l	98
23) Vinyl Acetate	6.31	43	5561933	620.232	ug/l	99
24) 1,1-Dichloroethane	6.26	63	1084806	105.714	ug/l	99
25) 2-Butanone	7.21	43	815008	550.566	ug/l	100
26) 2,2-Dichloropropane	7.21	77	933360	104.779	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	669166	98.401	ug/l	92
28) Bromochloromethane	7.55	49	442518	111.589	ug/l	94
29) Tetrahydrofuran	7.57	42	537232	702.893	ug/l	100
30) Chloroform	7.71	83	1122597	99.162	ug/l	99
31) Cyclohexane	7.98	56	964883	125.077	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	1036046	105.253	ug/l	96
36) 1,1-Dichloropropene	8.11	75	876171	122.971	ug/l	98
37) Ethyl Acetate	7.30	43	381643	123.092	ug/l	99
38) Carbon Tetrachloride	8.10	117	955356	109.913	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	1030585	142.357	ug/l	96
40) Benzene	8.36	78	2461771	135.537	ug/l	98
41) Methacrylonitrile	7.56	41	532920	166.822	ug/l #	69
42) 1,2-Dichloroethane	8.43	62	774308	126.614	ug/l	99
43) Isopropyl Acetate	9.53	43	518885	117.549	ug/l	98
44) Trichloroethene	9.11	130	659033	100.566	ug/l	99
45) 1,2-Dichloropropane	9.39	63	622557	134.764	ug/l	98
46) Dibromomethane	9.48	93	332231	106.208	ug/l	97
47) Bromodichloromethane	9.67	83	890604	117.205	ug/l	99
48) Methyl methacrylate	9.46	41	359463	134.740	ug/l	97
49) 1,4-Dioxane	9.47	88	79161	2816.779	ug/l #	88
51) 4-Methyl-2-Pentanone	10.23	43	1939268	690.908	ug/l	98
52) Toluene	10.41	92	1625582	138.520	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	841746	131.285	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	972875	124.679	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	445835	117.849	ug/l	97
56) Ethyl methacrylate	10.67	69	576701	135.883	ug/l	99
57) 1,3-Dichloropropane	10.95	76	785282	130.861	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	1300412	667.182	ug/l	98
59) 2-Hexanone	10.99	43	1329870	645.753	ug/l	100
60) Dibromochloromethane	11.14	129	611154	101.534	ug/l	100
61) 1,2-Dibromoethane	11.25	107	429819	98.315	ug/l	99
64) Tetrachloroethene	10.88	164	587099	98.291	ug/l	99
65) Chlorobenzene	11.67	112	1685087	105.063	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	673655	100.840	ug/l	99
67) Ethyl Benzene	11.75	91	3182768	119.252	ug/l	100
68) m/p-Xylenes	11.86	106	2438274	248.395	ug/l	99
69) o-Xylene	12.18	106	1093701	123.273	ug/l	96
70) Styrene	12.20	104	1980799	128.209	ug/l	97
71) Bromoform	12.37	173	371061	97.291	ug/l	99
73) Isopropylbenzene	12.48	105	3008121	103.058	ug/l	97
74) N-amyl acetate	12.30	43	685968	93.077	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	484941	86.720	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	673512	130.177	ug/l	90
77) Bromobenzene	12.77	156	721391	87.741	ug/l	99
78) n-propylbenzene	12.83	91	3572098	105.441	ug/l	99
79) 2-Chlorotoluene	12.91	91	1965915	97.477	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	2532453	107.506	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.54	75	167233	99.773	ug/l	98
82) 4-Chlorotoluene	13.01	91	2113424	95.754	ug/l	98
83) tert-Butylbenzene	13.23	119	2119514	82.257	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	2581165	115.874	ug/l	100
85) sec-Butylbenzene	13.41	105	2962826	102.094	ug/l	100
86) p-Isopropyltoluene	13.53	119	2854904	109.973	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	1438733	98.796	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1366728	100.263	ug/l	99
89) n-Butylbenzene	13.86	91	2567101	108.798	ug/l	99
90) Hexachloroethane	14.12	117	537294	79.878	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	1192273	98.309	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.52	75	82618	106.752	ug/l	96

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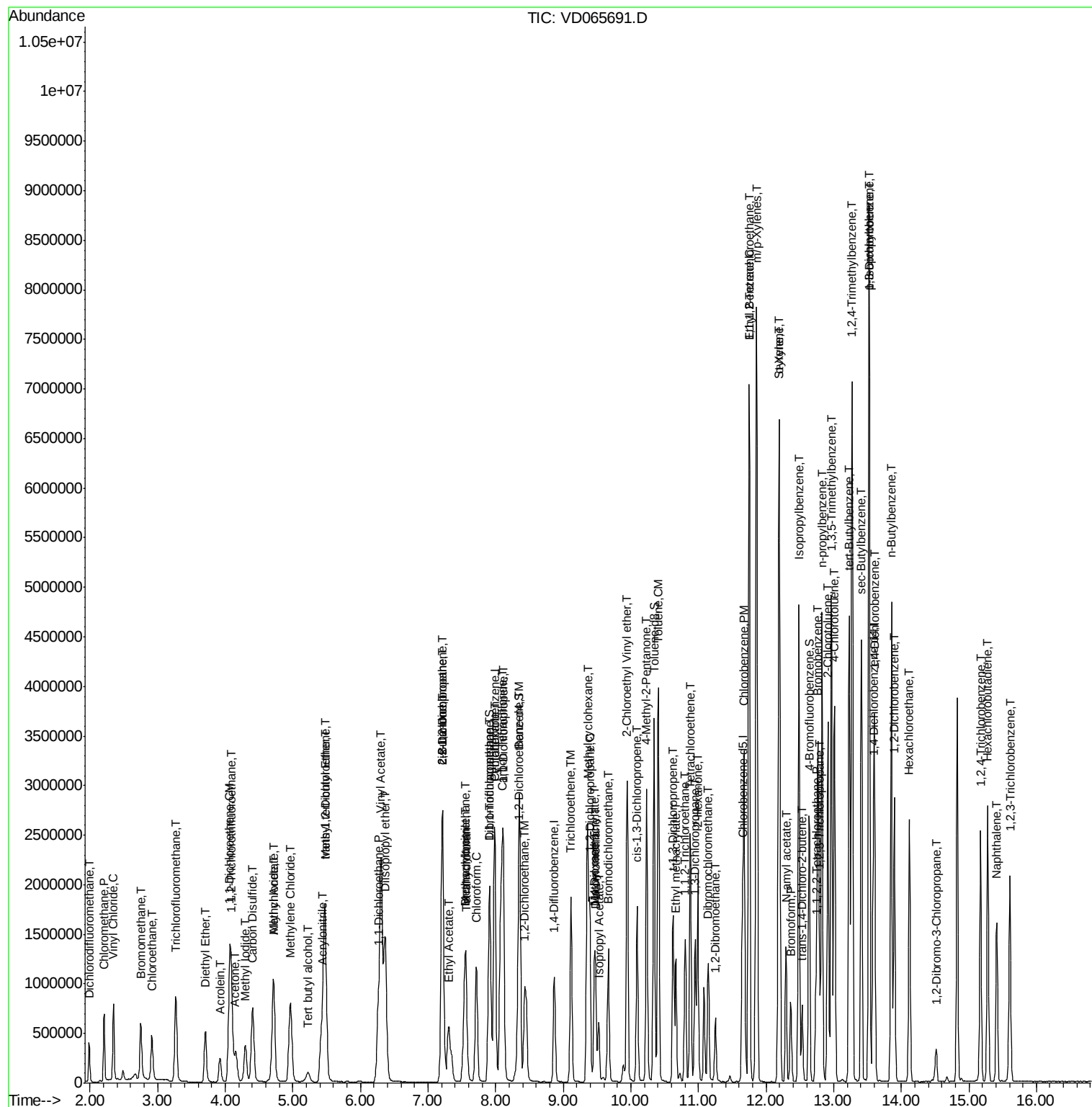
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	834322	124.717	ug/l	97
94) Hexachlorobutadiene	15.28	225	544777	112.065	ug/l	99
95) Naphthalene	15.41	128	1384373	127.740	ug/l	97
96) 1,2,3-Trichlorobenzene	15.61	180	734748	175.128	ug/l	99

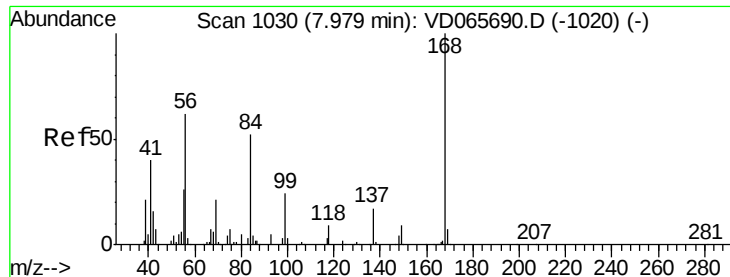
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD050120\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

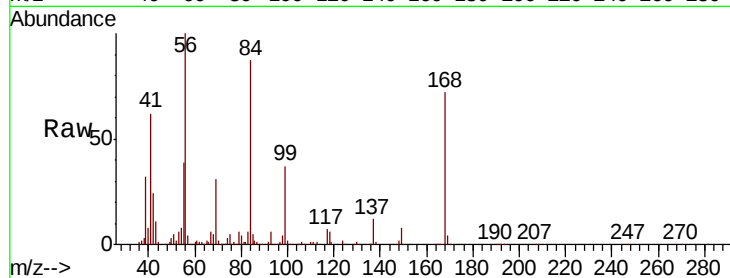
ClientSampled :

Tot Ion:168 Resp: 633610

Ion Ratio Lower Upper

168 100

99 51.9 44.8 67.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.98

300000

250000

200000

150000

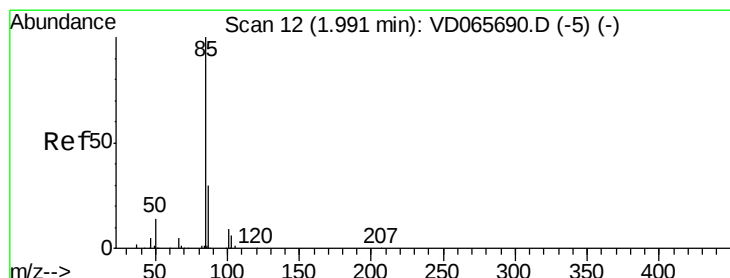
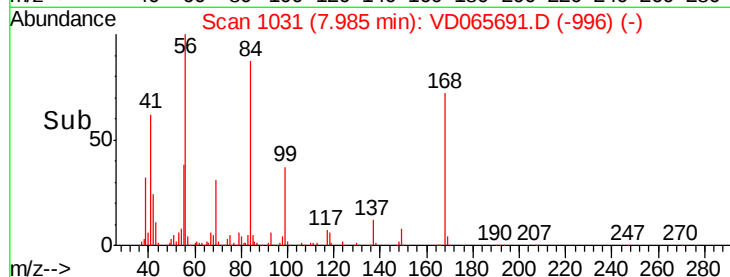
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 55.037 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD065691.D

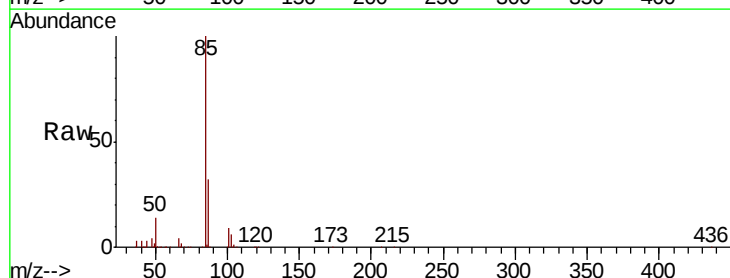
Acq: 01 May 2020 19:41

Tgt Ion: 85 Resp: 285724

Ion Ratio Lower Upper

85 100

87 32.1 14.9 44.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

250000

200000

150000

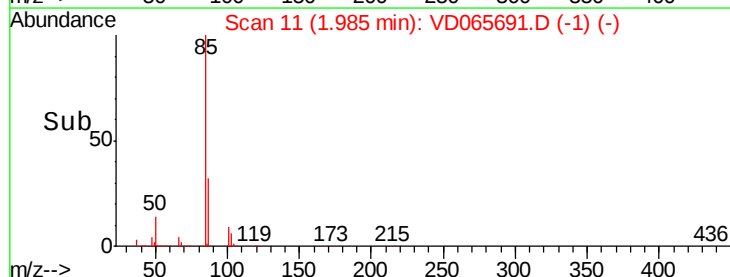
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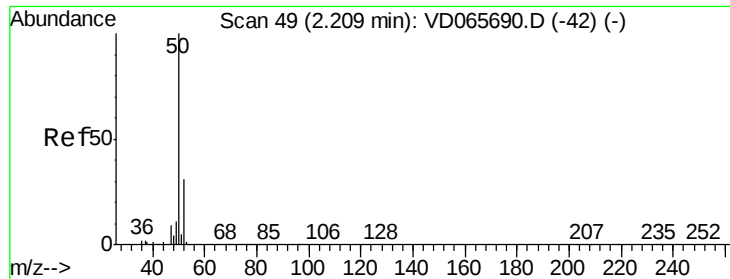
50000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 110.717 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

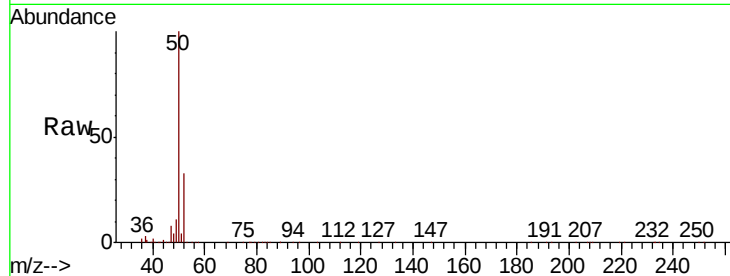
ClientSampleId :

Tot Ion: 50 Resp: 558147

Ion Ratio Lower Upper

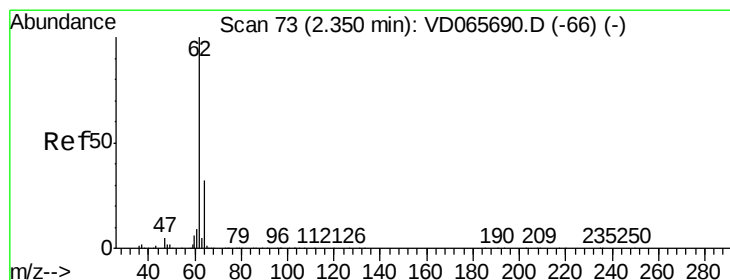
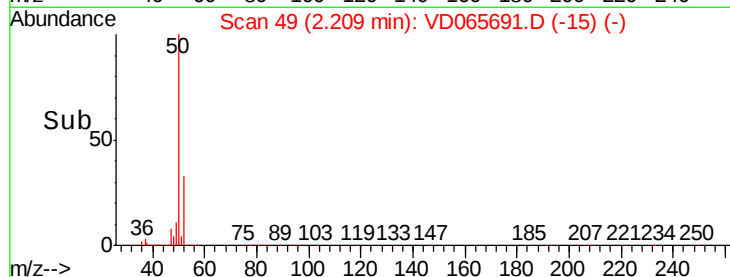
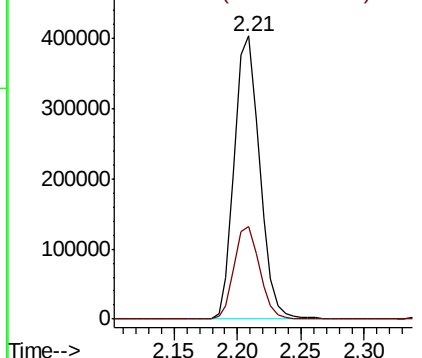
50 100

52 32.9 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: 143.650 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD065691.D

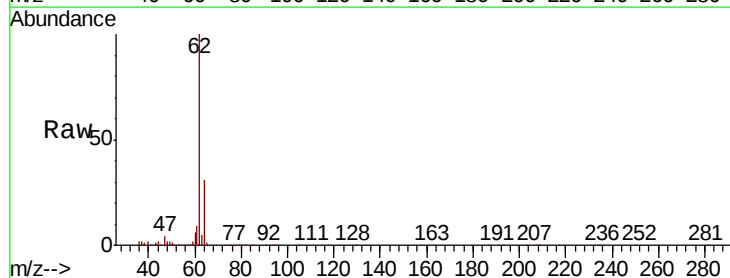
Acq: 01 May 2020 19:41

Tgt Ion: 62 Resp: 700578

Ion Ratio Lower Upper

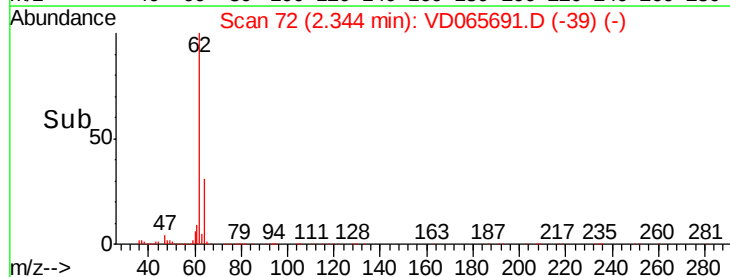
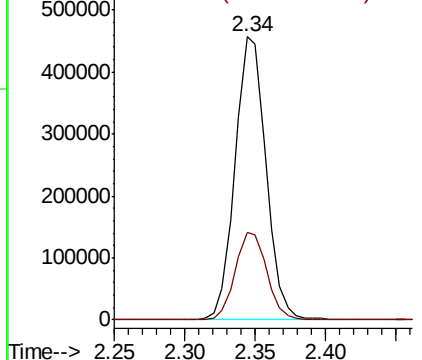
62 100

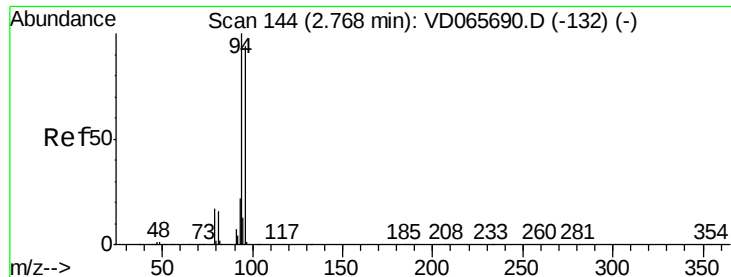
64 31.0 25.4 38.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 239.636 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

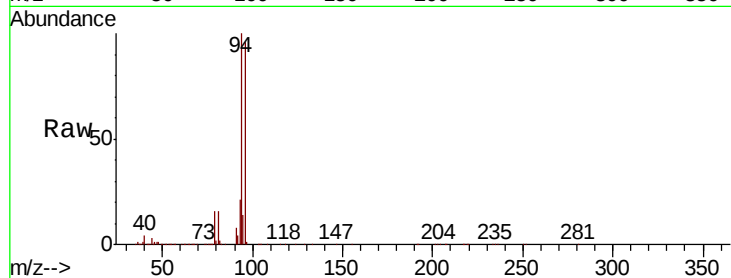
Tot Ion: 94 Resp: 427656

Ion Ratio Lower Upper

94 100

96 95.6 75.1 112.7

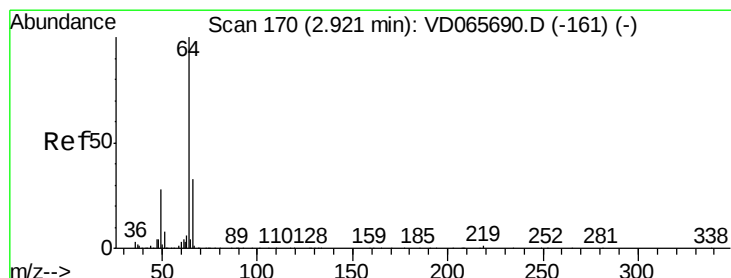
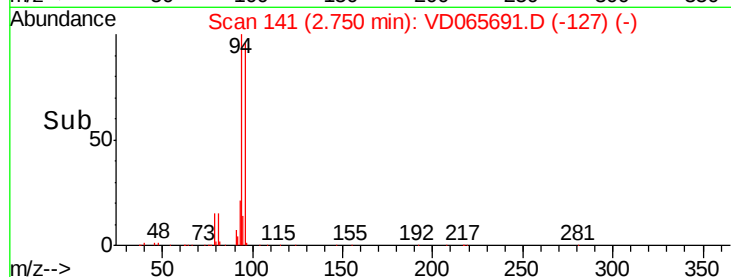
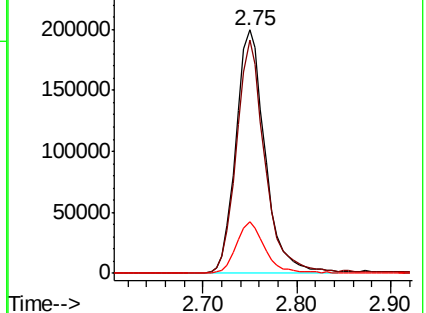
93 21.4 17.8 26.6



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: 220.419 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065691.D

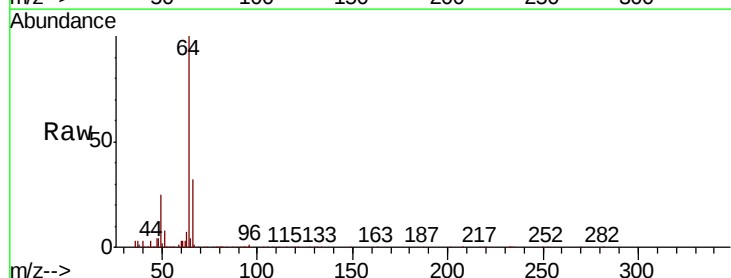
Acq: 01 May 2020 19:41

Tgt Ion: 64 Resp: 465290

Ion Ratio Lower Upper

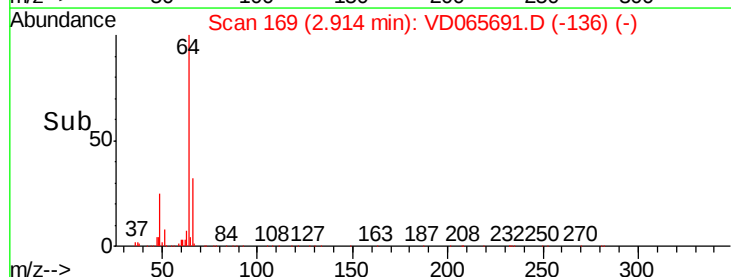
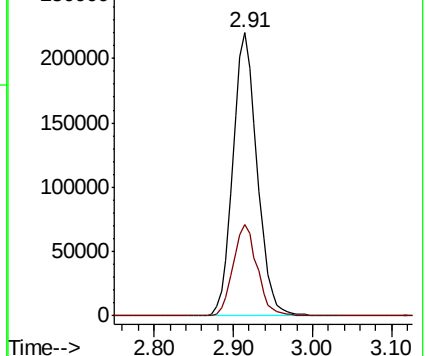
64 100

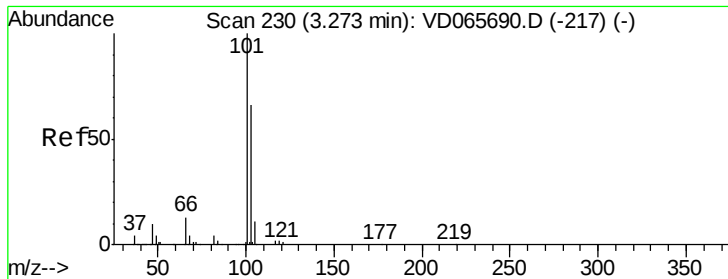
66 32.4 26.2 39.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



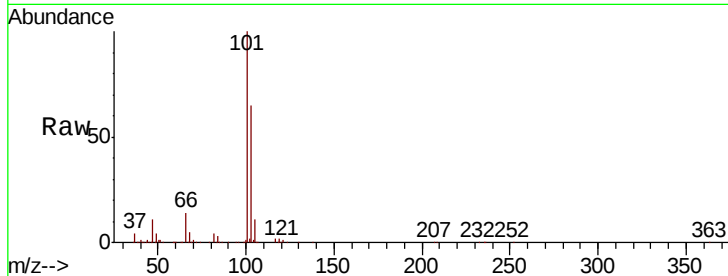


#7

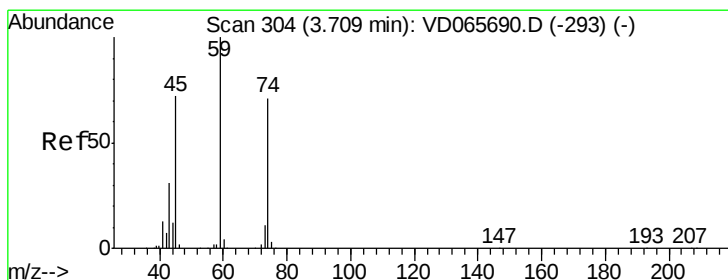
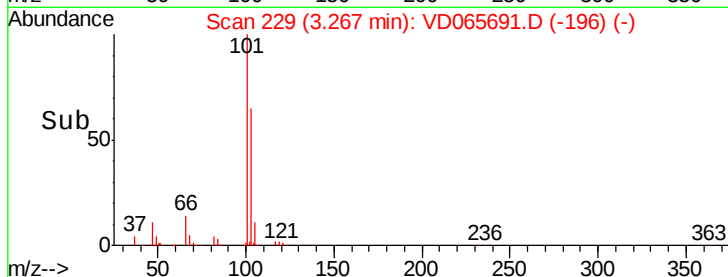
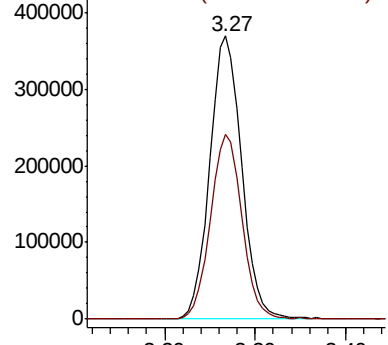
Trichlorofluoromethane
 Concen: 126.643 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065691.D
 Acq: 01 May 2020 19:41

Instrument :
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Tot Ion:101 Resp: 901245
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.6 79.0



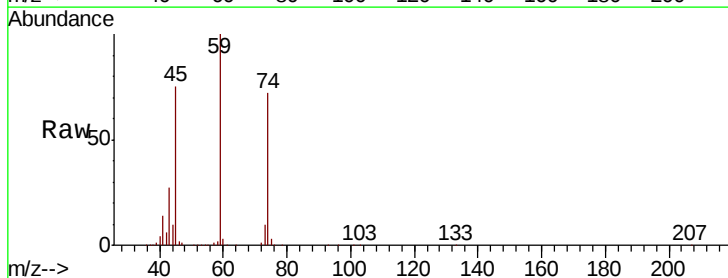
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



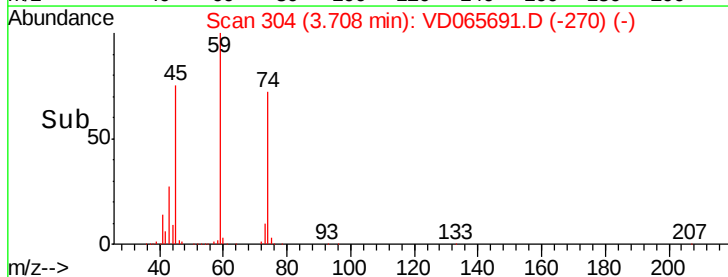
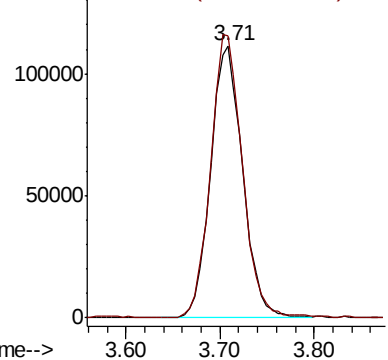
#8

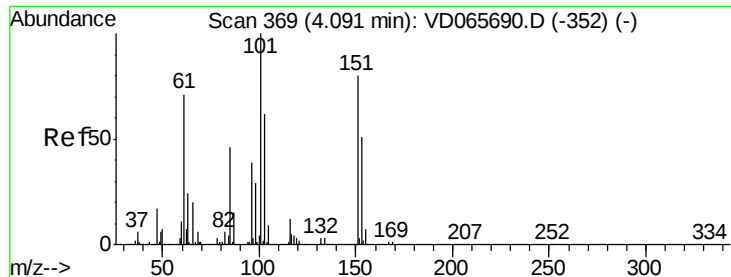
Diethyl Ether
 Concen: 137.687 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065691.D
 Acq: 01 May 2020 19:41

Tgt Ion: 74 Resp: 262571
 Ion Ratio Lower Upper
 74 100
 45 103.8 50.8 152.4



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 90.204 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

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ClientSampleId :

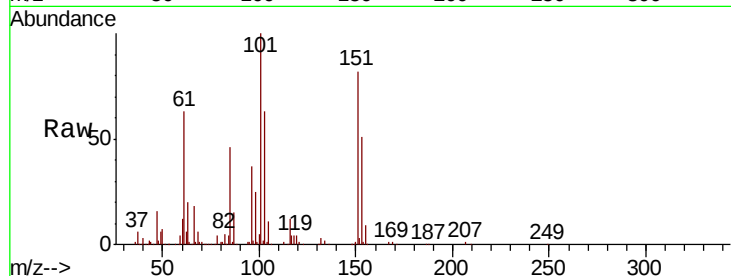
Tot Ion:101 Resp: 545847

Ion Ratio Lower Upper

101 100

85 45.9 36.7 55.1

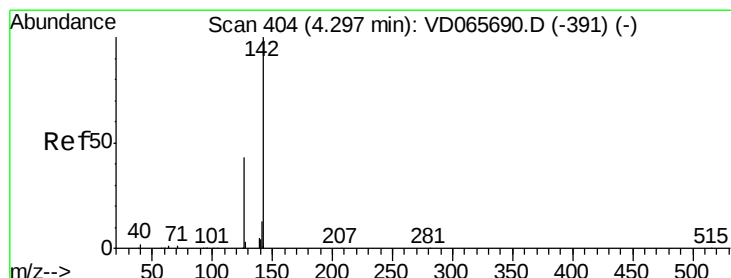
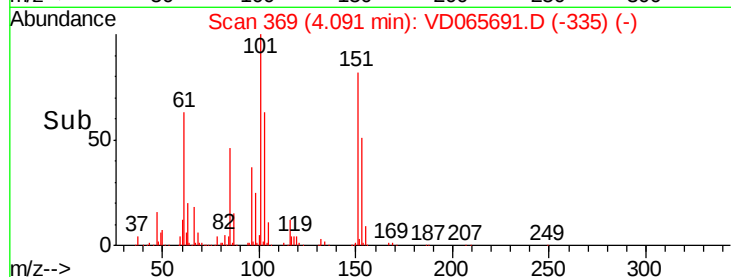
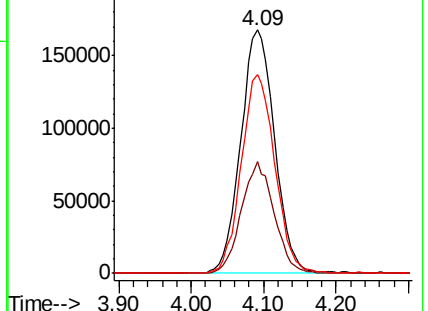
151 81.9 63.8 95.6



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: 86.081 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

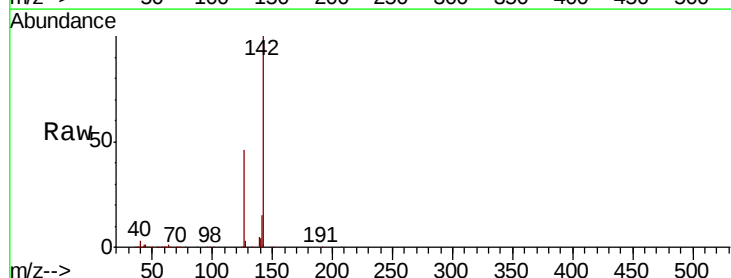
Tgt Ion:142 Resp: 606201

Ion Ratio Lower Upper

142 100

127 46.1 34.3 51.5

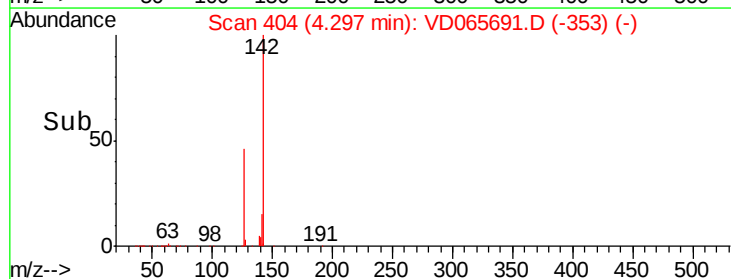
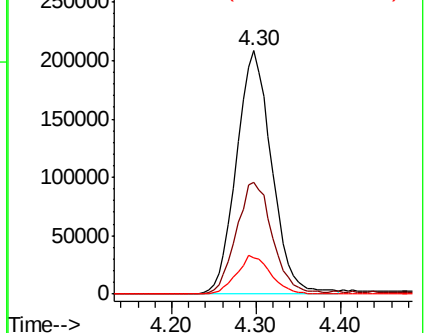
141 14.8 10.3 15.5

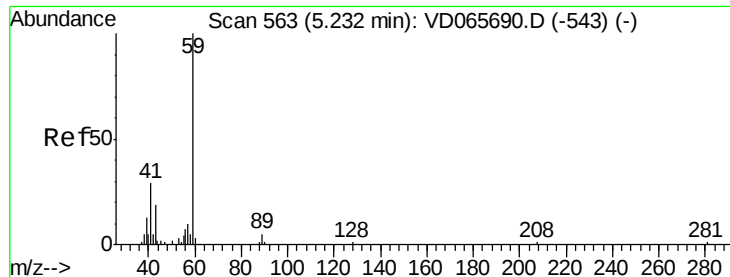


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

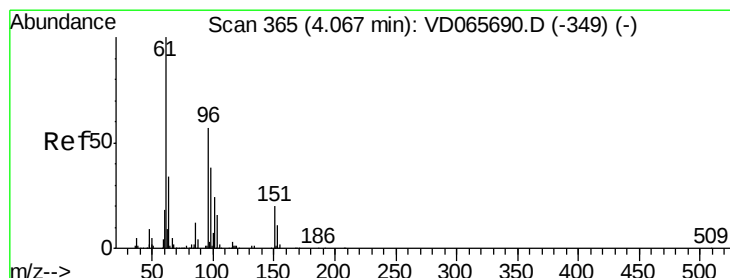
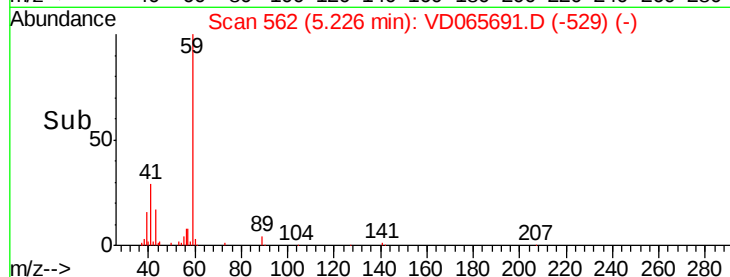
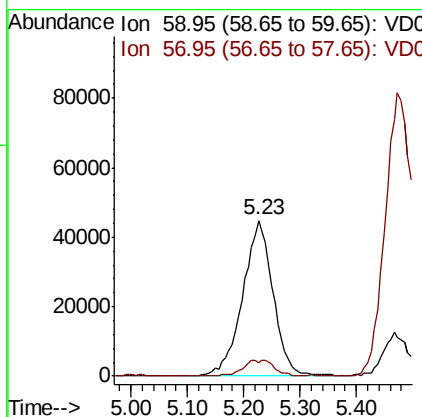
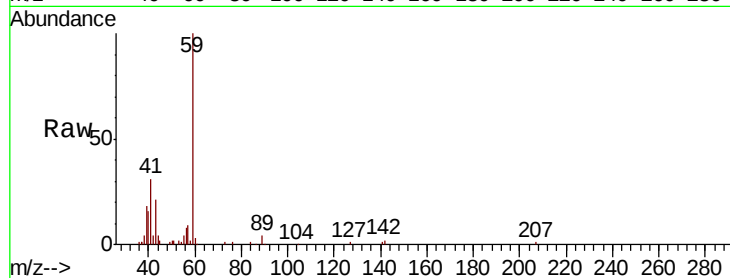




#11
Tert butyl alcohol
Concen: 568.096 ug/l
RT: 5.23 min Scan# 562
Delta R.T. -0.01 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

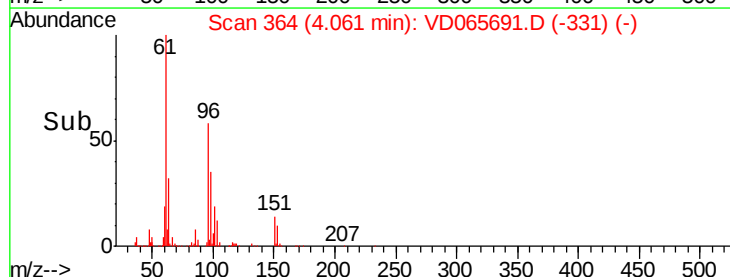
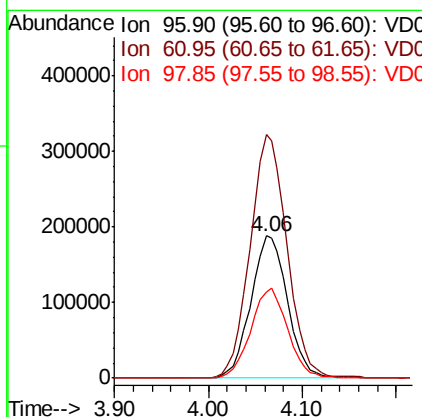
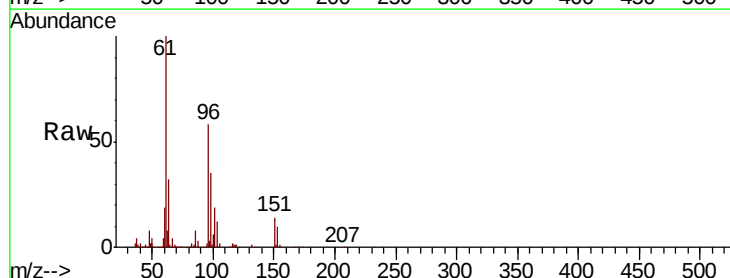
Instrument :
MSVOA_D
ClientSampleId :

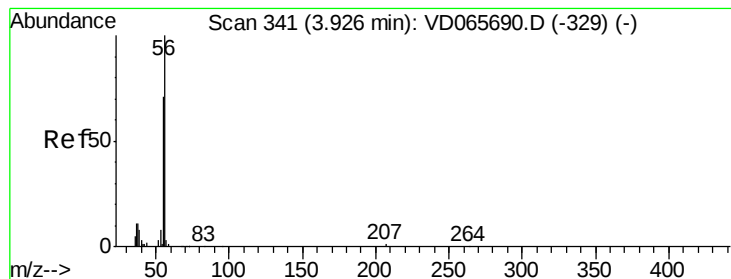
Tot Ion: 59 Resp: 168820
Ion Ratio Lower Upper
59 100
57 8.6 8.2 12.4



#12
1,1-Dichloroethene
Concen: 97.736 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Tgt Ion: 96 Resp: 506735
Ion Ratio Lower Upper
96 100
61 171.2 140.4 210.6
98 60.6 53.4 80.2





#13

Acrolein

Concen: 793.057 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

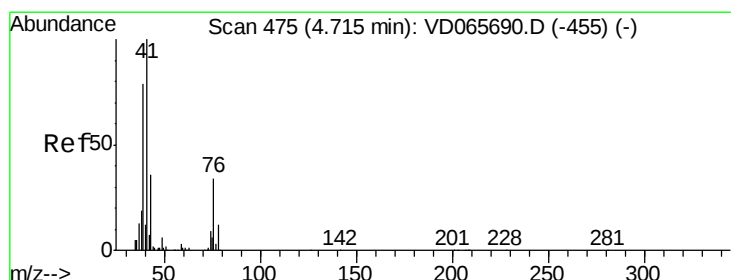
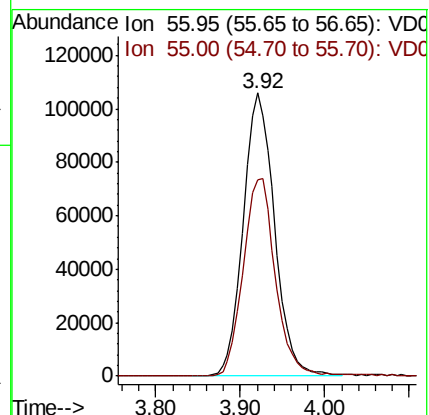
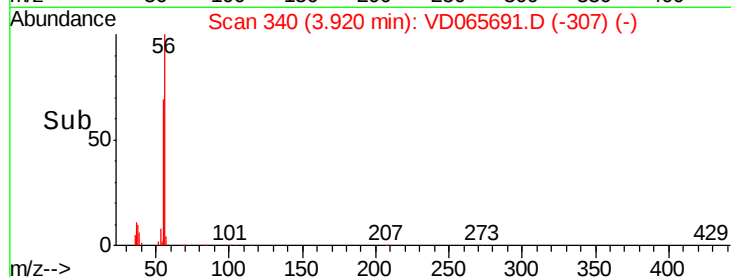
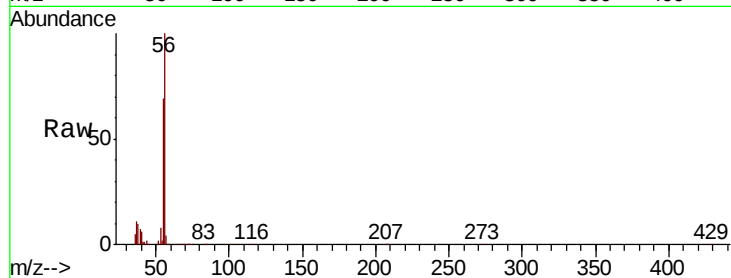
ClientSampleId :

Tot Ion: 56 Resp: 272500

Ion Ratio Lower Upper

56 100

55 69.3 56.8 85.2



#14

Allyl chloride

Concen: 123.995 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

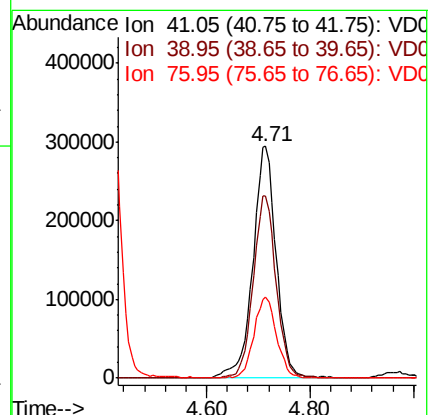
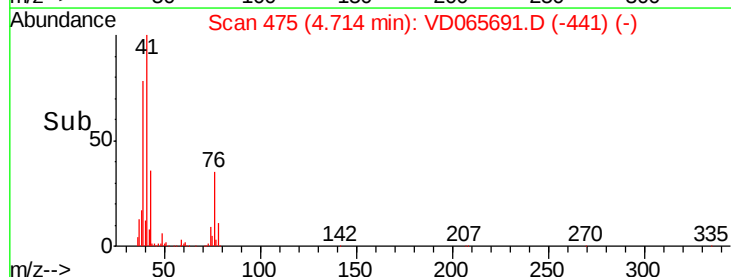
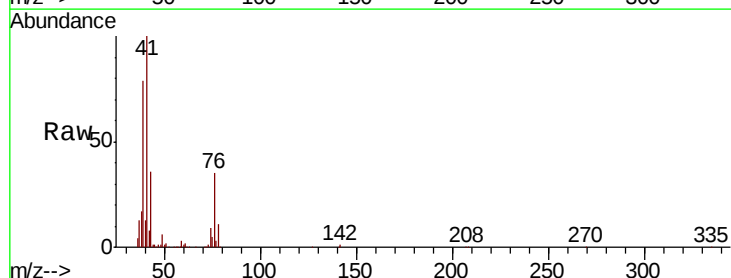
Tgt Ion: 41 Resp: 921944

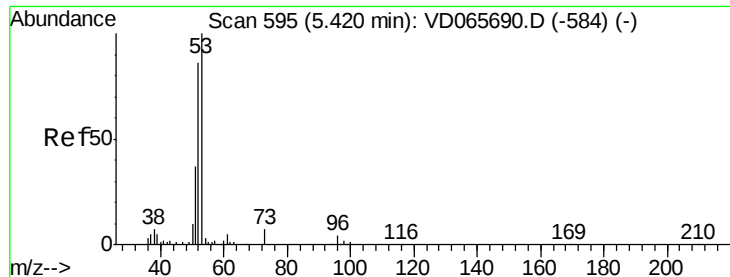
Ion Ratio Lower Upper

41 100

39 78.5 63.6 95.4

76 35.2 27.4 41.0





#15

Acrylonitrile

Concen: 673.960 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

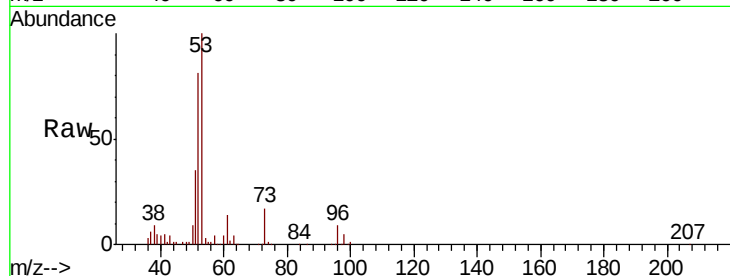
Tot Ion: 53 Resp: 633520

Ion Ratio Lower Upper

53 100

52 81.0 69.3 103.9

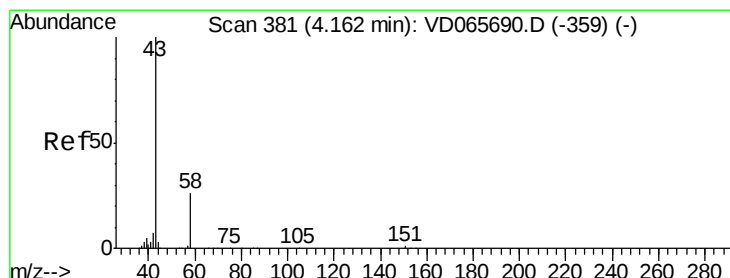
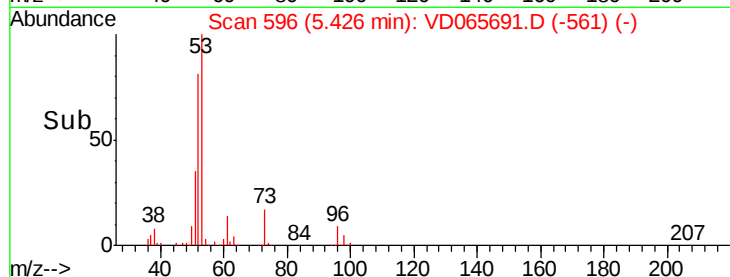
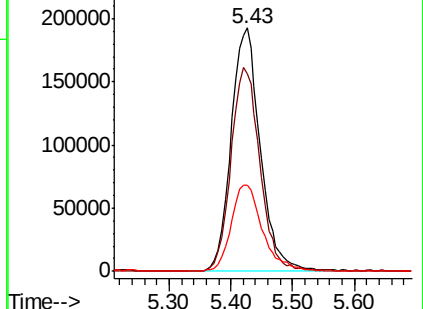
51 35.5 29.8 44.6



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 457.371 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD065691.D

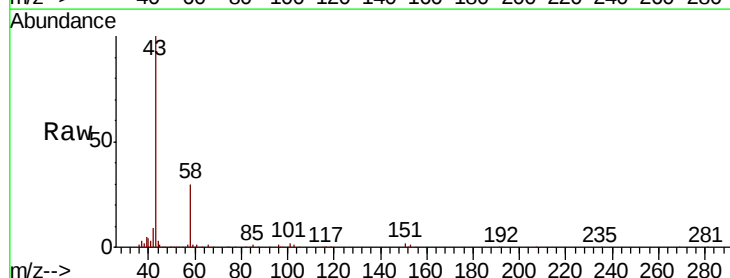
Acq: 01 May 2020 19:41

Tgt Ion: 43 Resp: 536008

Ion Ratio Lower Upper

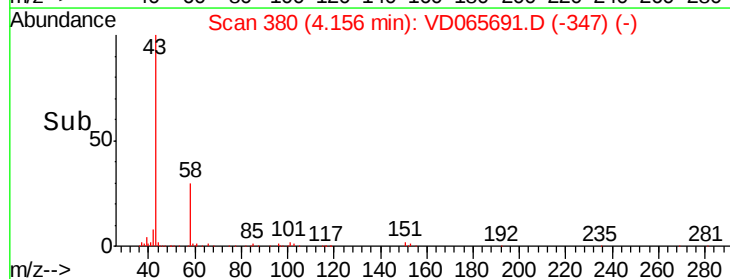
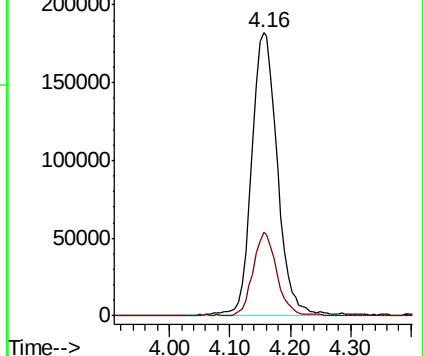
43 100

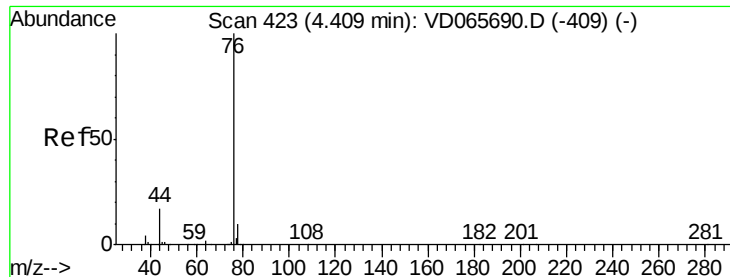
58 29.7 21.0 31.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 105.161 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

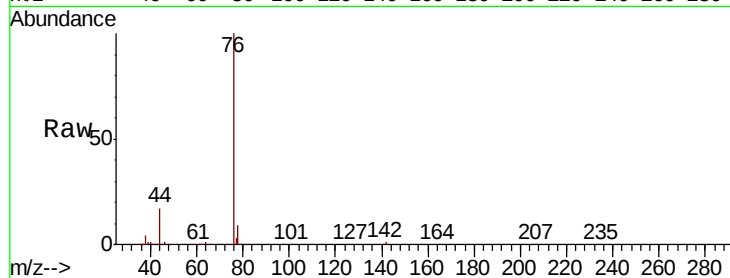
ClientSampled :

Tot Ion: 76 Resp: 1607110

Ion Ratio Lower Upper

76 100

78 9.3 7.8 11.6



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

4.41

600000

500000

400000

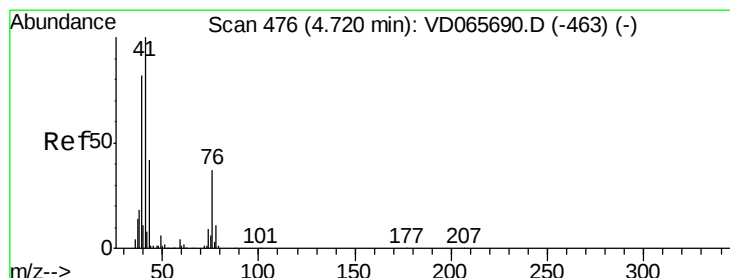
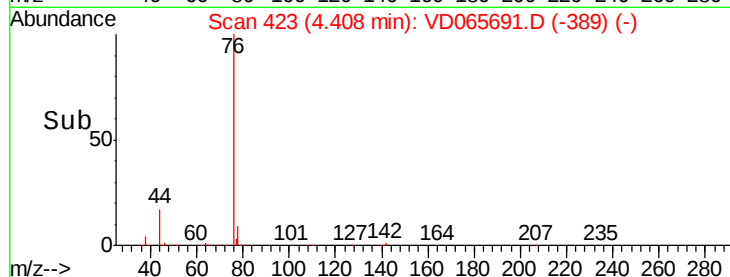
300000

200000

100000

0

Time--> 4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 125.848 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD065691.D

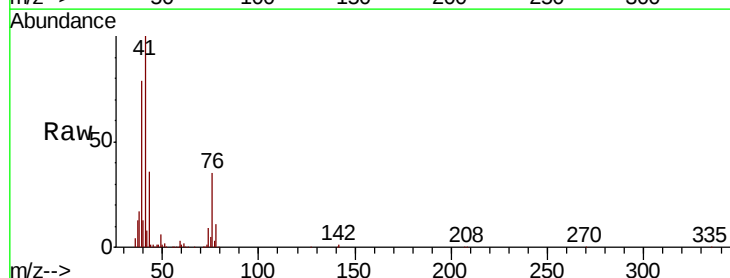
Acq: 01 May 2020 19:41

Tgt Ion: 43 Resp: 327279

Ion Ratio Lower Upper

43 100

74 23.5 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

120000

100000

80000

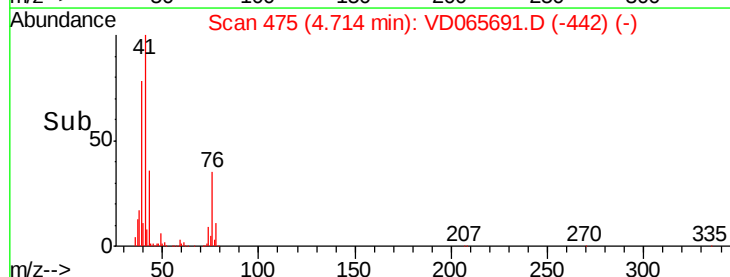
60000

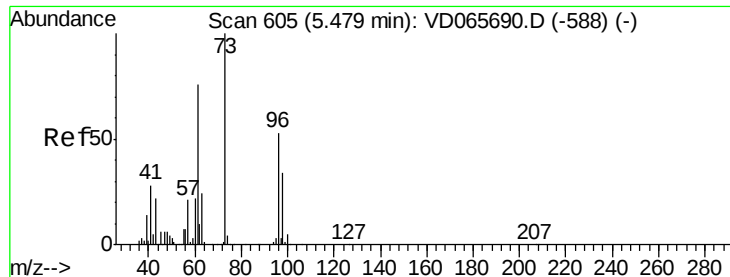
40000

20000

0

Time--> 4.60 4.70 4.80 4.90



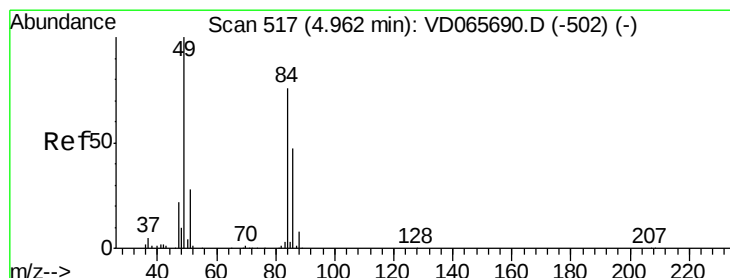
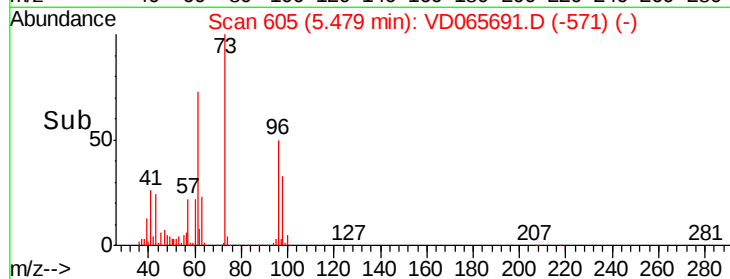
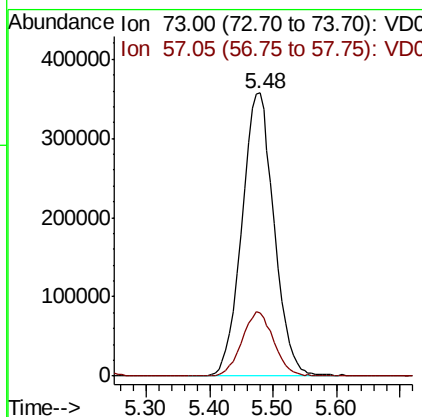
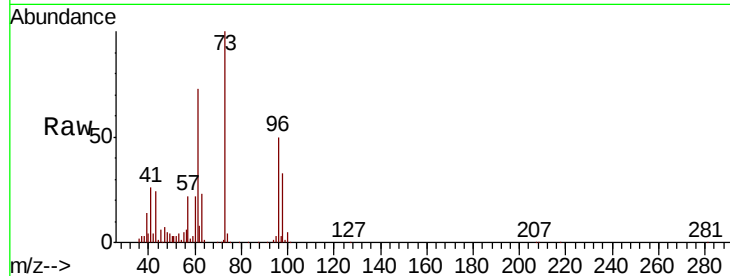


#19

Methyl tert-butyl Ether
 Concen: 118.623 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VD065691.D
 Acq: 01 May 2020 19:41

Instrument :
 MSVOA_D
 ClientSampleId :

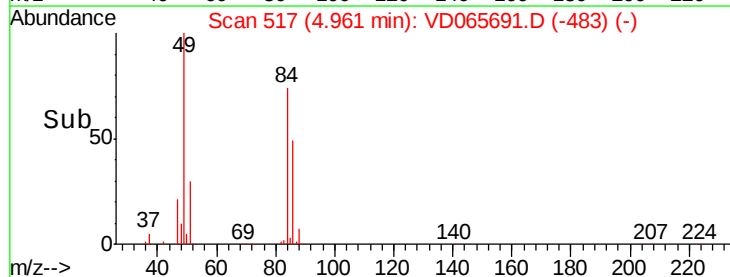
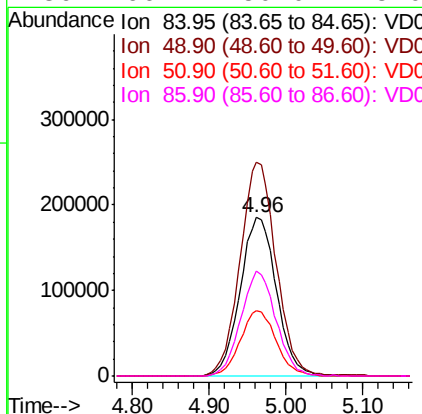
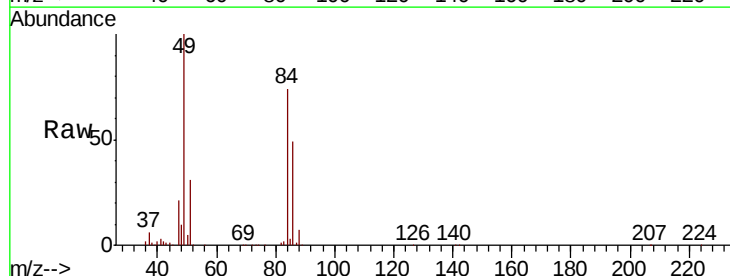
Tot Ion: 73 Resp: 1260294
 Ion Ratio Lower Upper
 73 100
 57 22.2 16.8 25.2

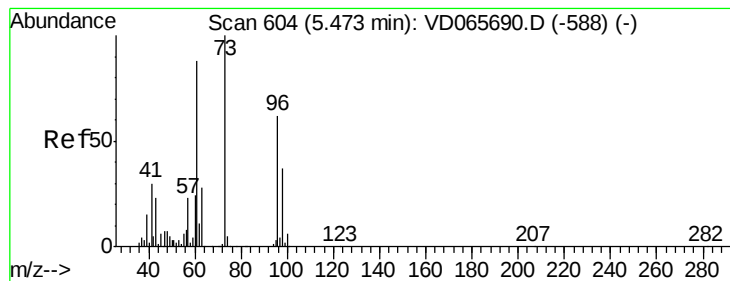


#20

Methylene Chloride
 Concen: 90.577 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.00 min
 Lab File: VD065691.D
 Acq: 01 May 2020 19:41

Tgt Ion: 84 Resp: 609638
 Ion Ratio Lower Upper
 84 100
 49 135.0 105.8 158.6
 51 41.3 29.4 44.2
 86 66.1 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 103.525 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :
MSVOA_D
ClientSampleId :

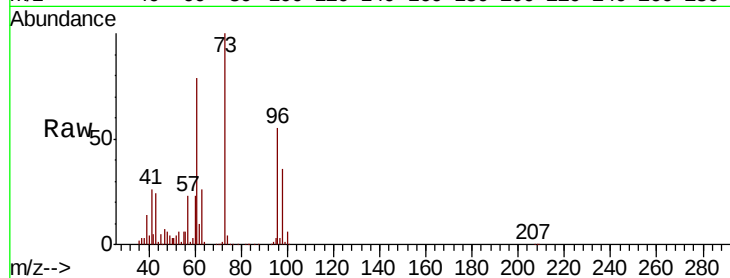
Tot Ion: 96 Resp: 619756

Ion Ratio Lower Upper

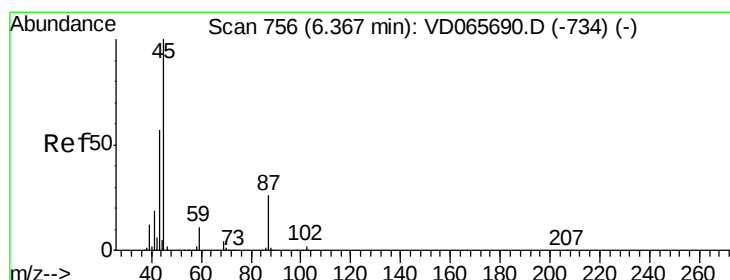
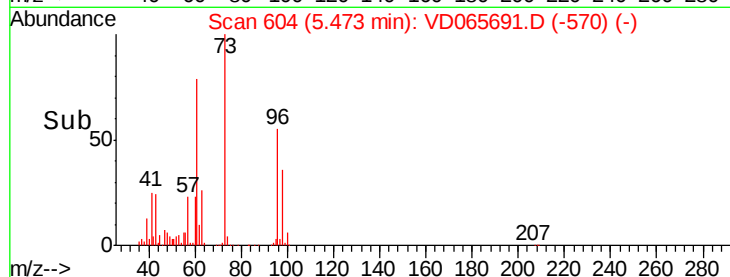
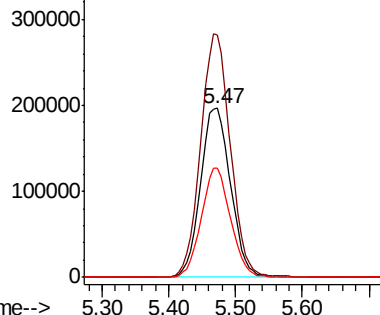
96 100

61 143.6 114.8 172.2

98 64.3 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: 112.932 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Tgt Ion: 45 Resp: 1916413

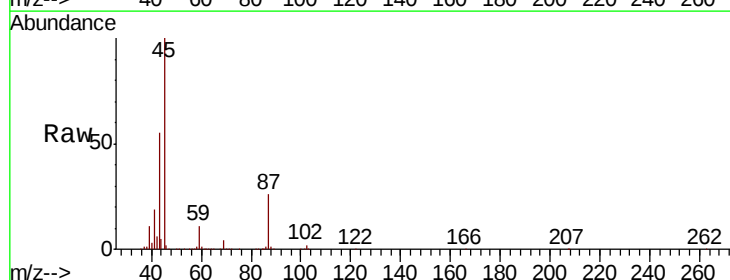
Ion Ratio Lower Upper

45 100

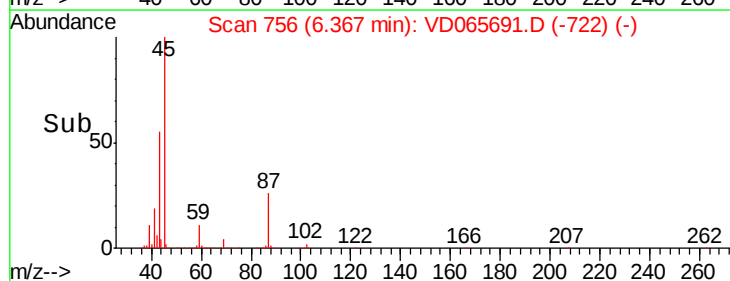
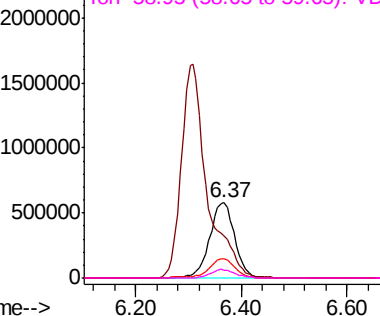
43 55.3 45.8 68.6

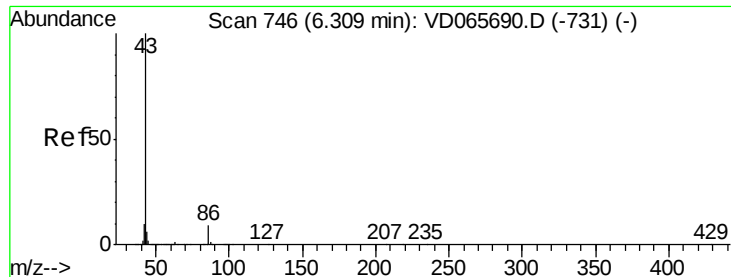
87 25.9 20.6 31.0

59 11.0 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: 620.232 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

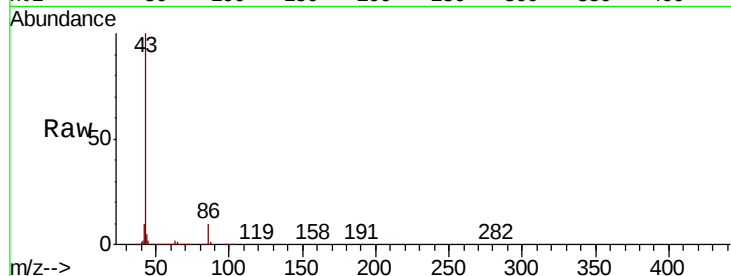
ClientSampleId :

Tot Ion: 43 Resp: 5561933

Ion Ratio Lower Upper

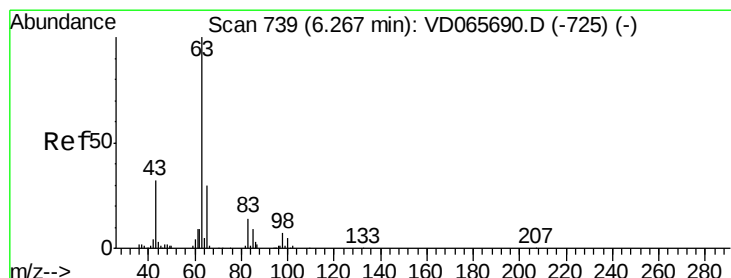
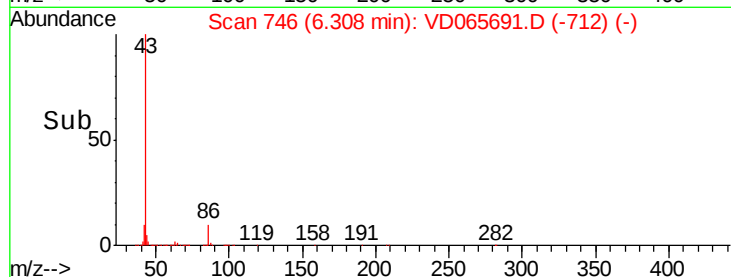
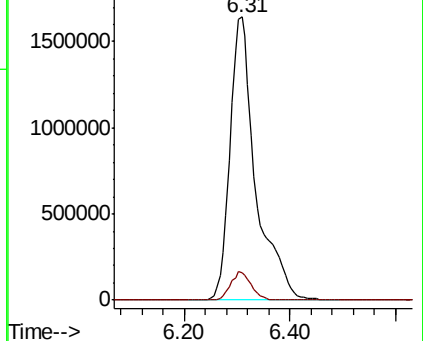
43 100

86 9.7 7.4 11.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 105.714 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

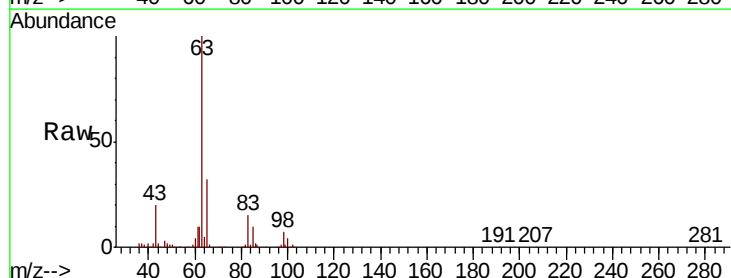
Tgt Ion: 63 Resp: 1084806

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

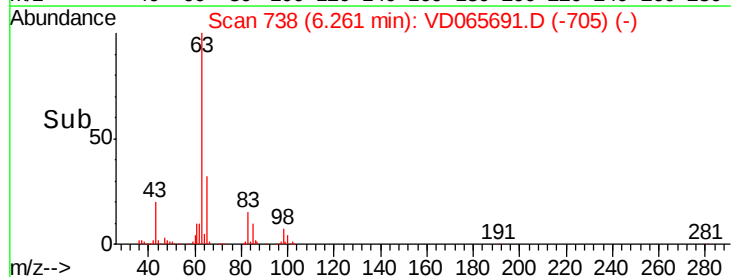
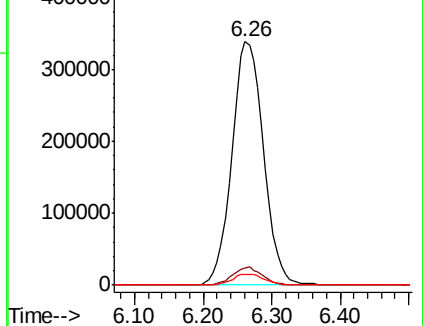
100 4.5 2.3 6.9

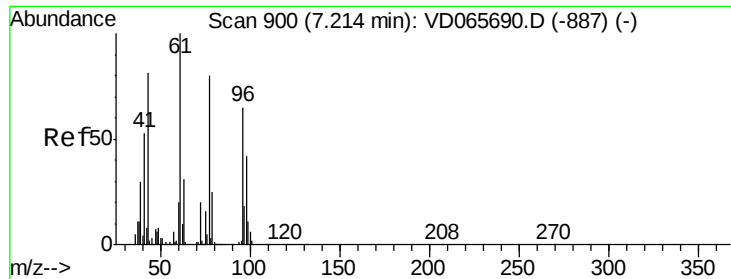


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

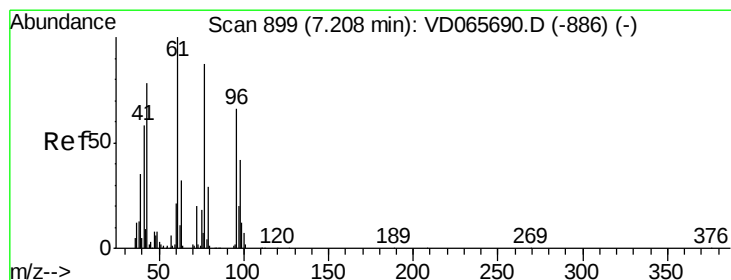
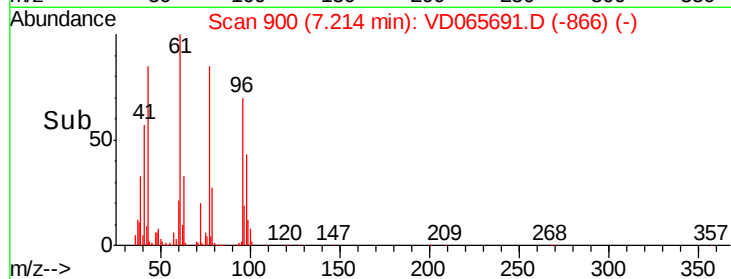
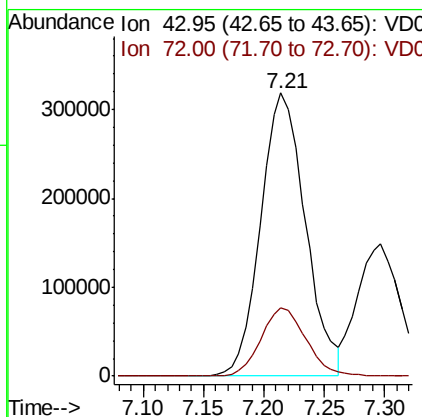
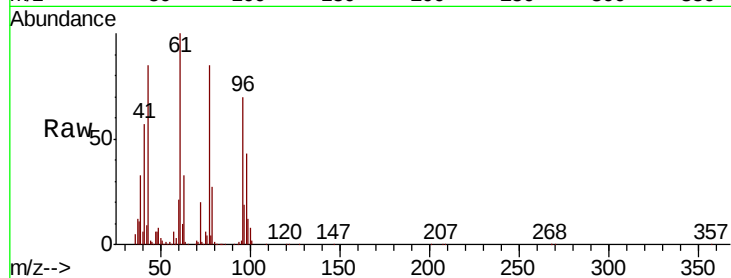




#25
2-Butanone
Concen: 550.566 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

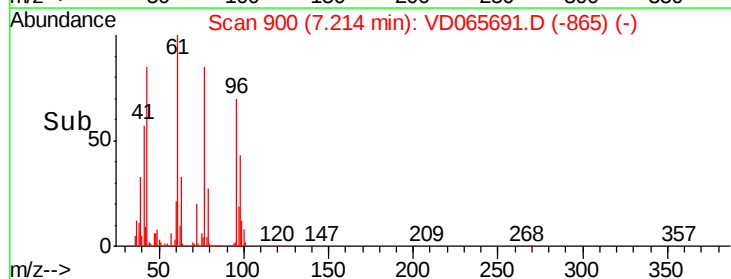
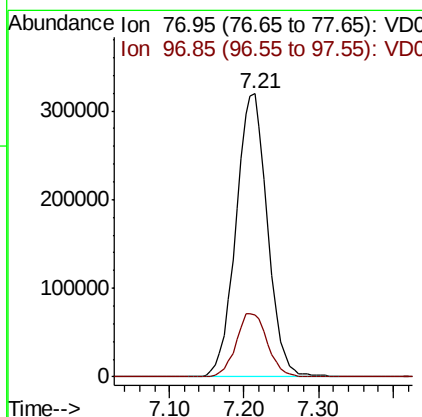
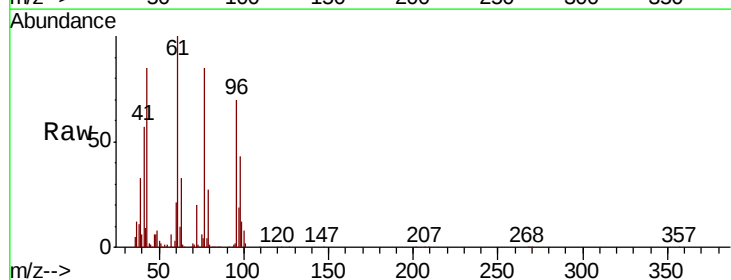
Instrument :
MSVOA_D
ClientSampleId :

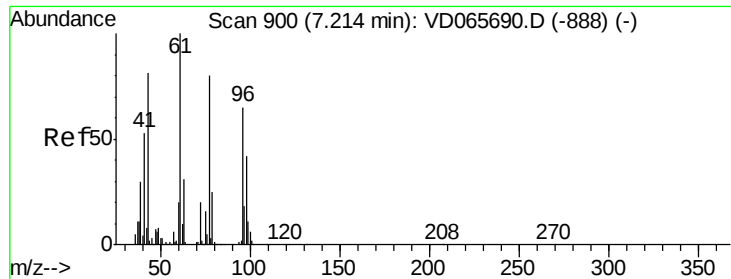
Tot Ion: 43 Resp: 815008
Ion Ratio Lower Upper
43 100
72 24.0 19.2 28.8



#26
2,2-Dichloropropane
Concen: 104.779 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Tgt Ion: 77 Resp: 933360
Ion Ratio Lower Upper
77 100
97 22.0 11.7 35.1



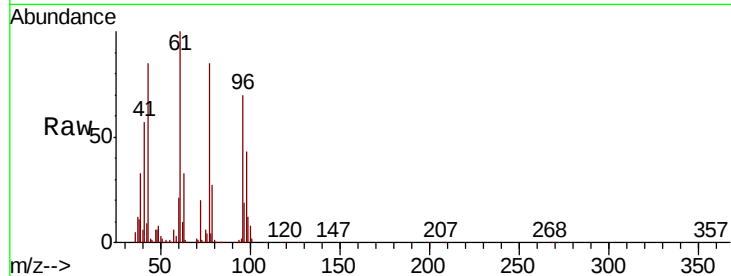


#27

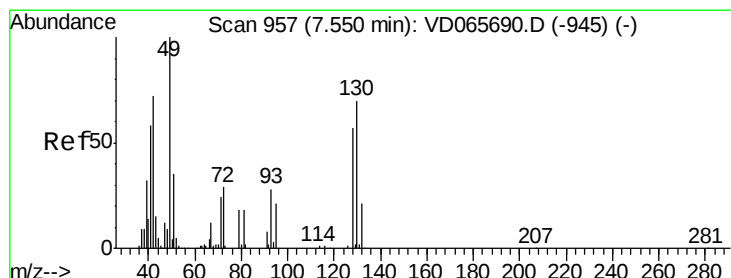
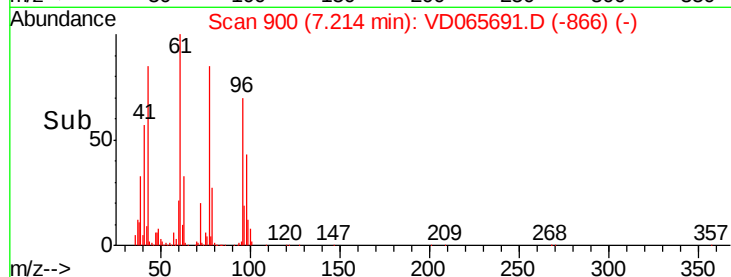
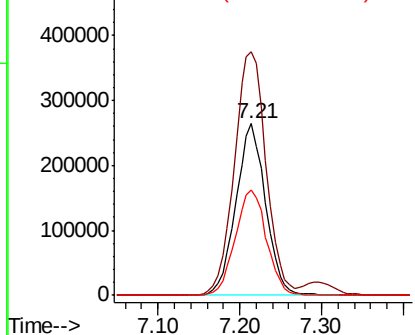
cis-1,2-Dichloroethene
Concen: 98.401 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	96	Resp	669166
Ion	Ratio	Lower	Upper
96	100		
61	142.0	0.0	307.2
98	61.2	0.0	128.8



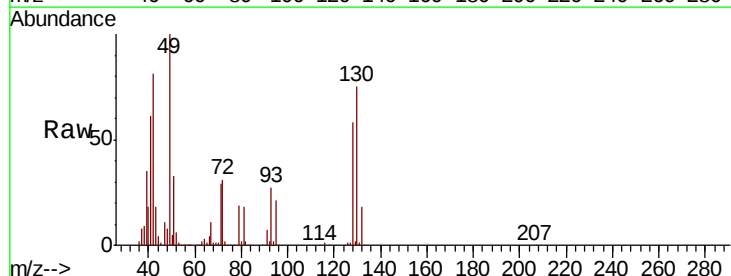
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



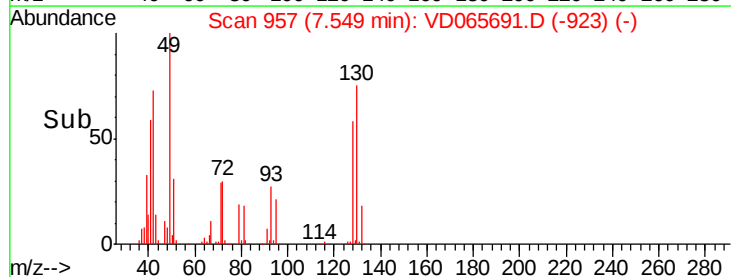
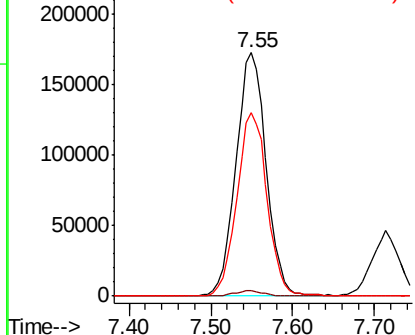
#28

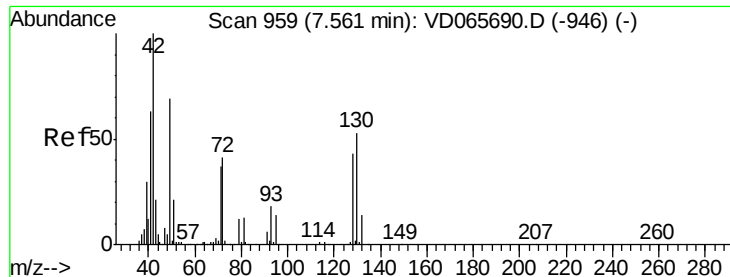
Bromochloromethane
Concen: 111.589 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Tgt Ion	49	Resp	442518
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	75.2	55.8	83.6



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





#29

Tetrahydrofuran

Concen: 702.893 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

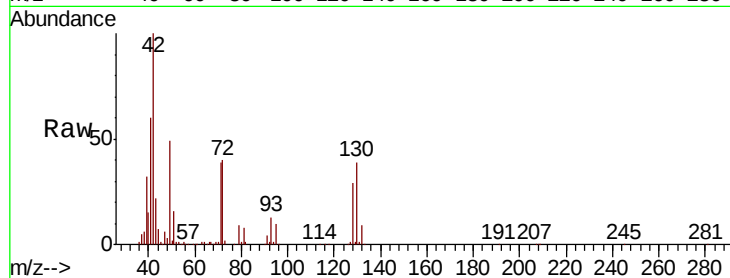
Tot Ion: 42 Resp: 537232

Ion Ratio Lower Upper

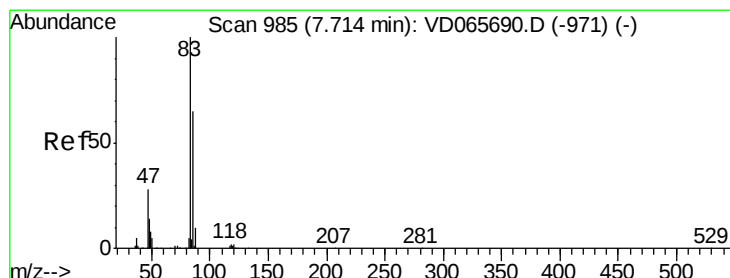
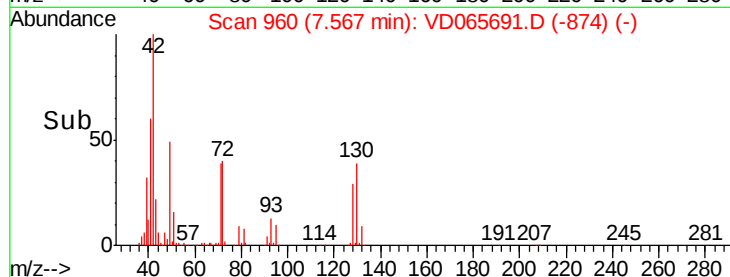
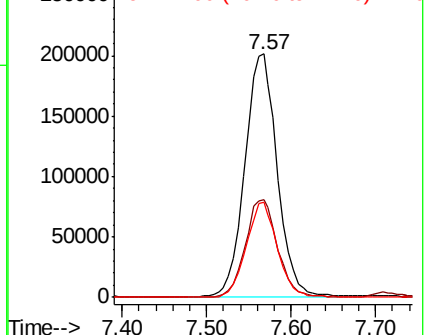
42 100

72 40.1 32.2 48.2

71 37.2 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: 99.162 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065691.D

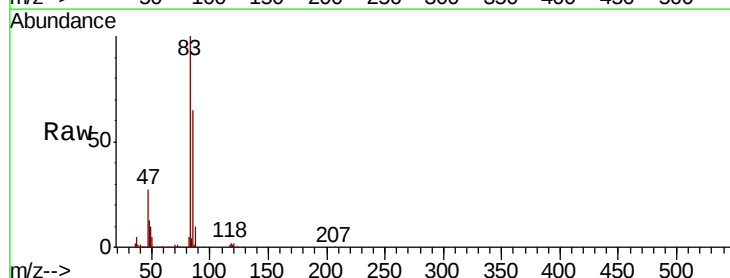
Acq: 01 May 2020 19:41

Tgt Ion: 83 Resp: 1122597

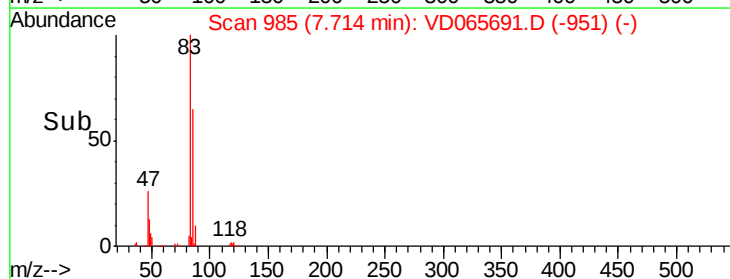
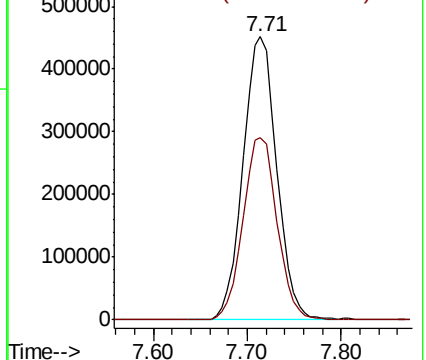
Ion Ratio Lower Upper

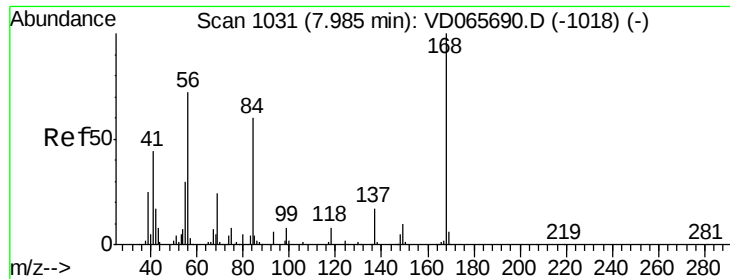
83 100

85 64.5 52.3 78.5



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

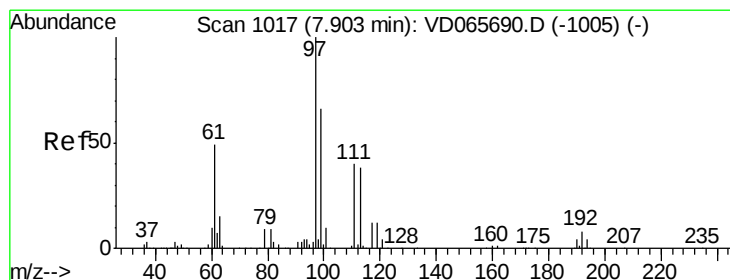
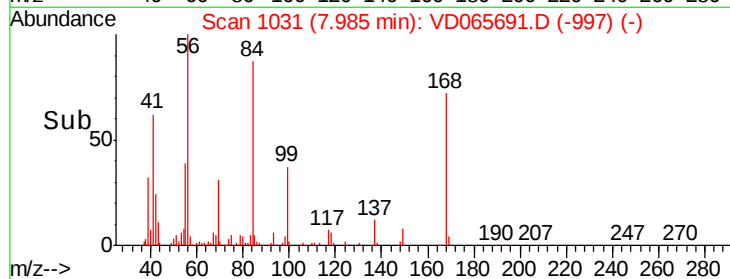
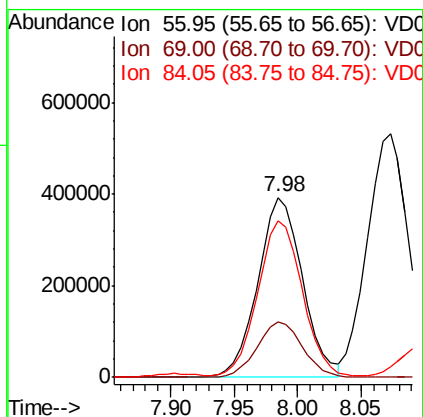
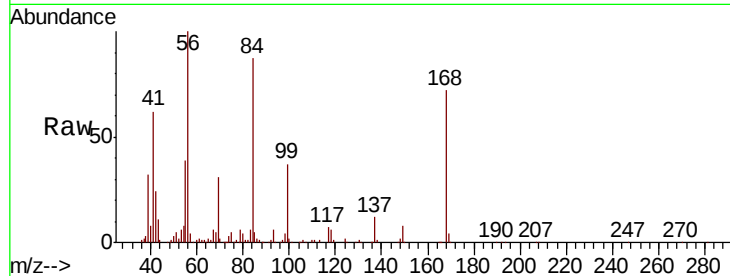




#31
Cyclohexane
Concen: 125.077 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

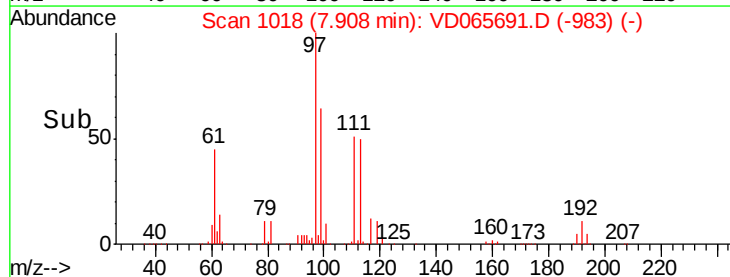
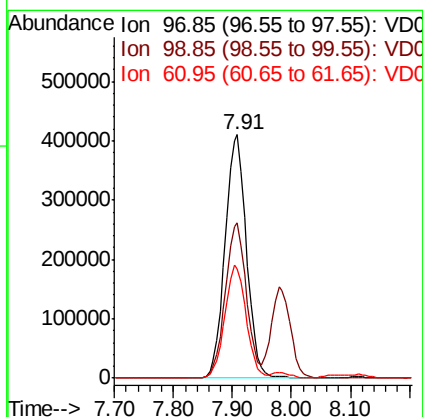
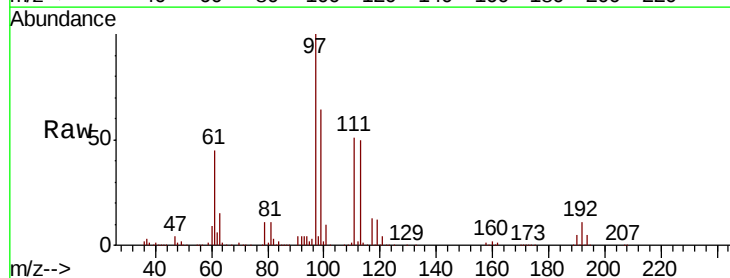
Instrument :
MSVOA_D
ClientSampleId :

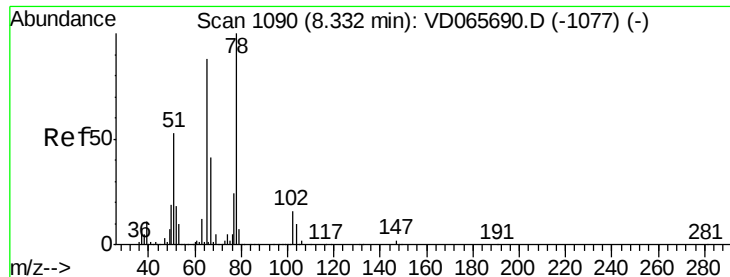
Tot Ion: 56 Resp: 964883
Ion Ratio Lower Upper
56 100
69 31.0 26.2 39.4
84 86.7 67.8 101.8



#32
1,1,1-Trichloroethane
Concen: 105.253 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Tgt Ion: 97 Resp: 1036046
Ion Ratio Lower Upper
97 100
99 63.7 52.9 79.3
61 44.7 39.0 58.4

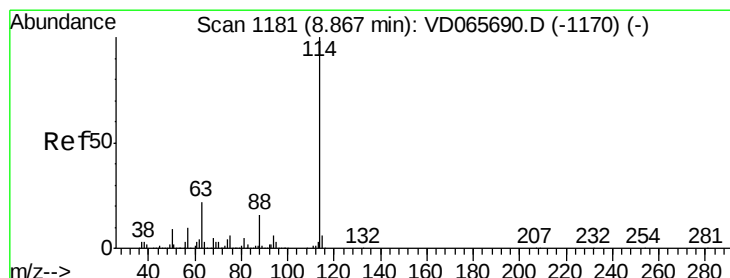
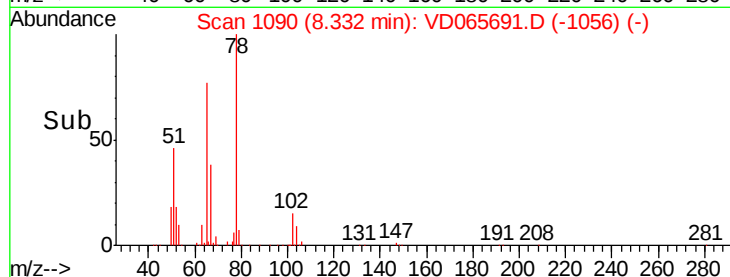
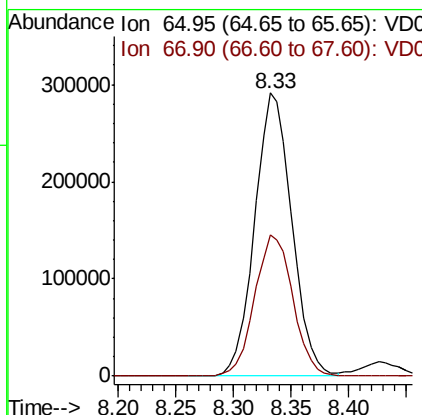
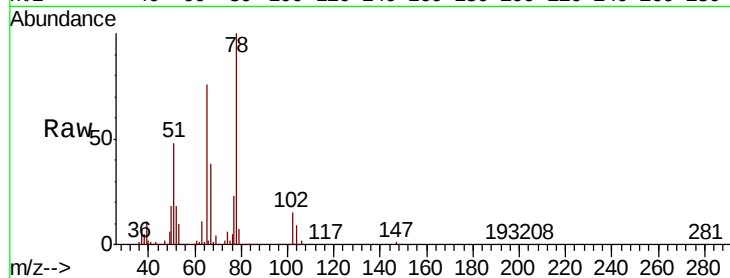




#33
 1,2-Dichloroethane-d4
 Concen: 122.402 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065691.D
 Acq: 01 May 2020 19:41

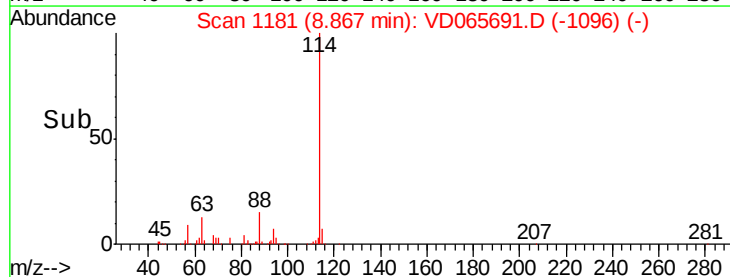
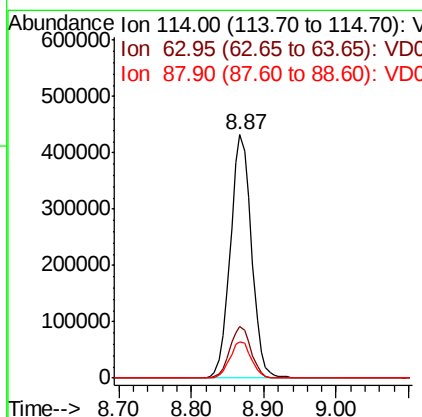
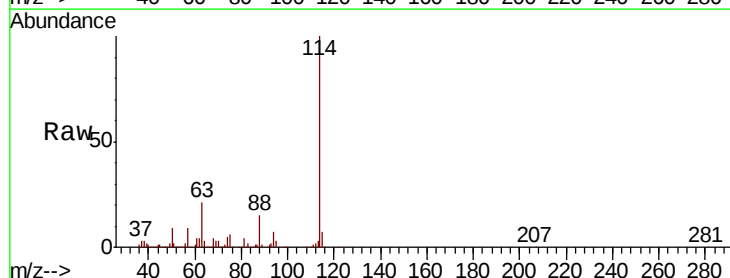
Instrument :
 MSVOA_D
 ClientSampleId :

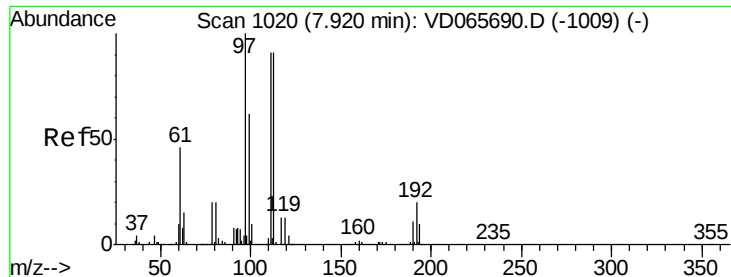
Tot Ion: 65 Resp: 653040
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 93.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065691.D
 Acq: 01 May 2020 19:41

Tgt Ion: 114 Resp: 877643
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 44.0
 88 14.8 0.0 31.8

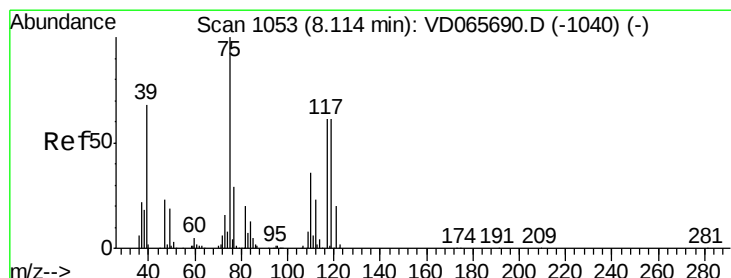
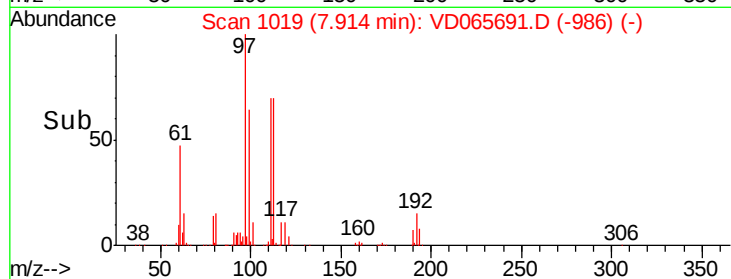
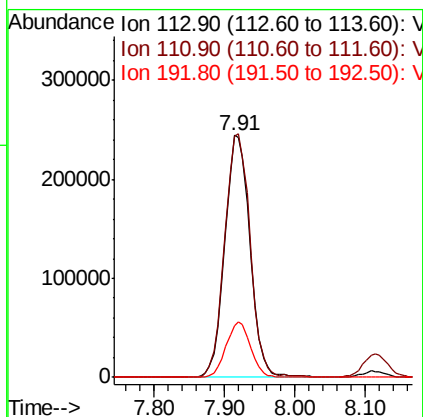
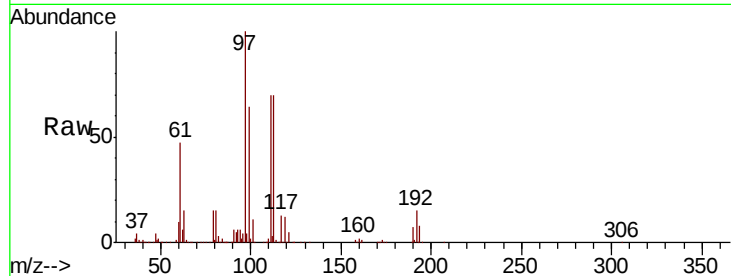




#35
 Dibromofluoromethane
 Concen: 98.975 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065691.D
 Acq: 01 May 2020 19:41

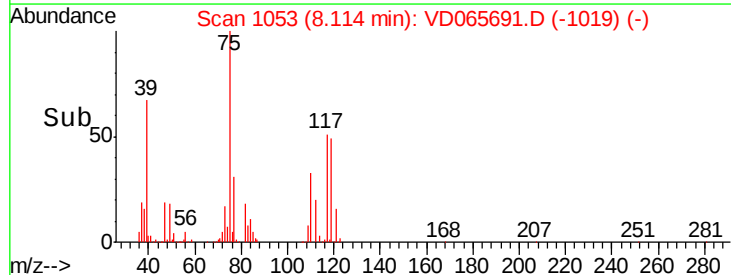
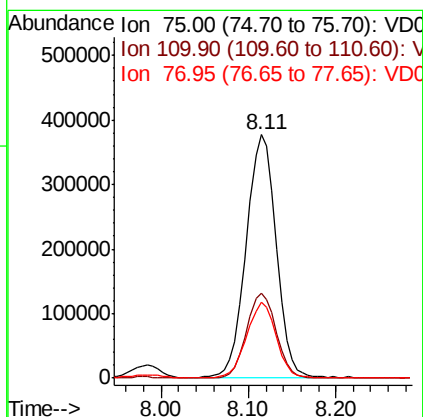
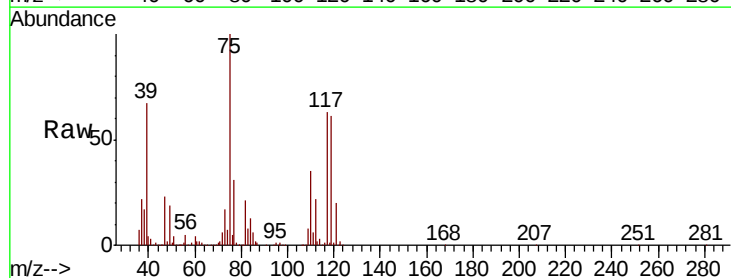
Instrument :
 MSVOA_D
 ClientSampleId :

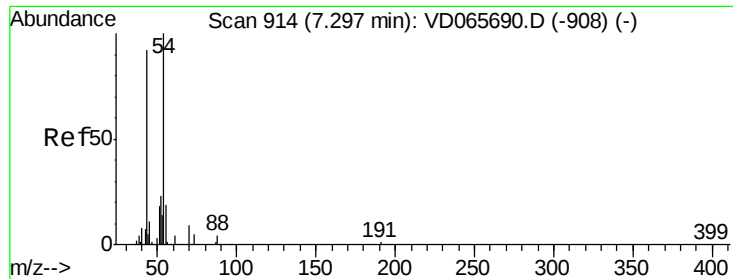
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.2	80.2	120.4
192	21.1	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 122.971 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065691.D
 Acq: 01 May 2020 19:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	18.0	54.0
77	31.0	23.5	35.3

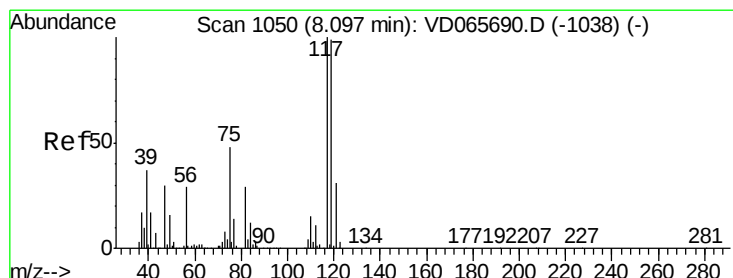
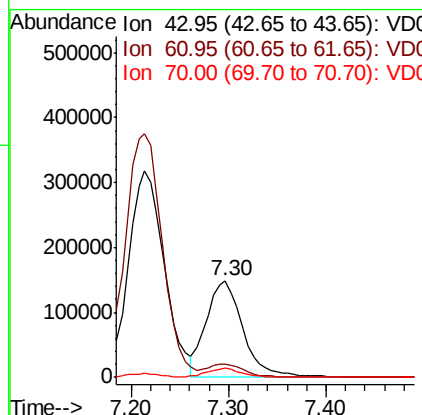
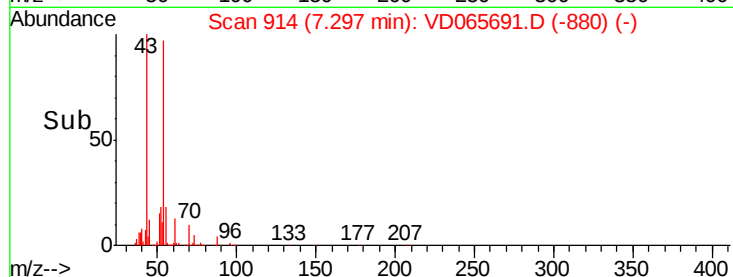
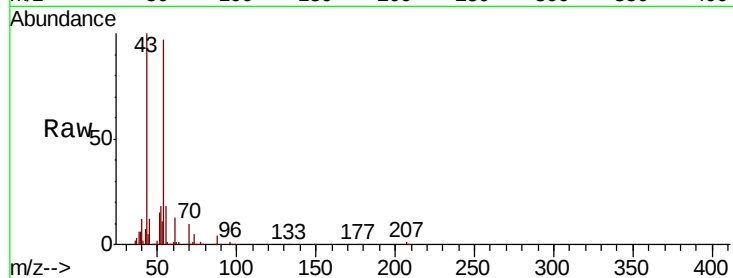




#37
Ethyl Acetate
Concen: 123.092 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

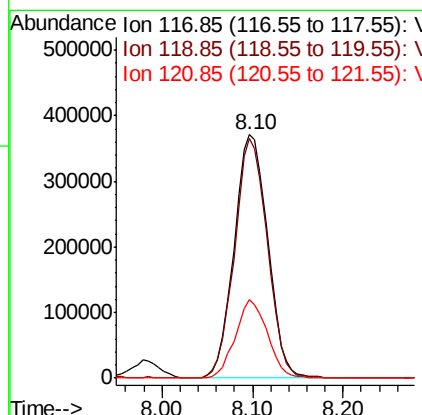
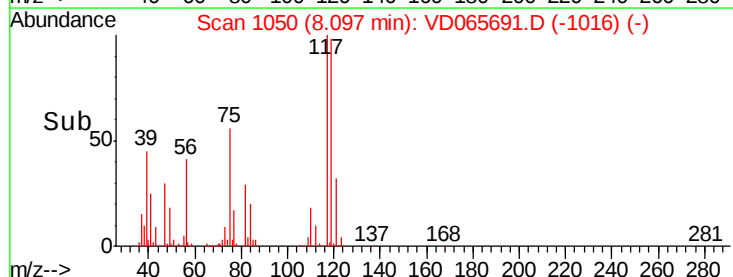
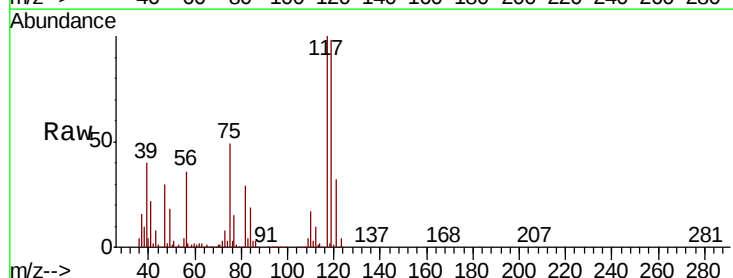
Instrument :
MSVOA_D
ClientSampleID :

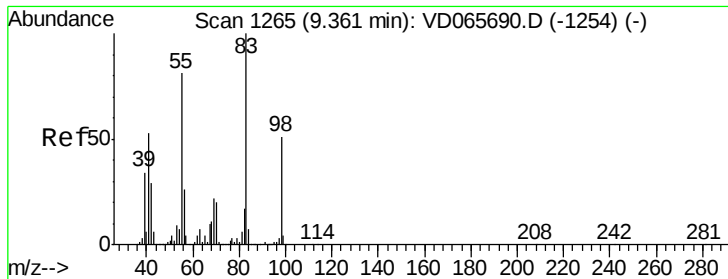
Tot Ion: 43 Resp: 381643
Ion Ratio Lower Upper
43 100
61 13.5 10.6 16.0
70 9.6 7.0 10.4



#38
Carbon Tetrachloride
Concen: 109.913 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Tgt Ion: 117 Resp: 955356
Ion Ratio Lower Upper
117 100
119 98.3 79.0 118.6
121 32.1 24.9 37.3

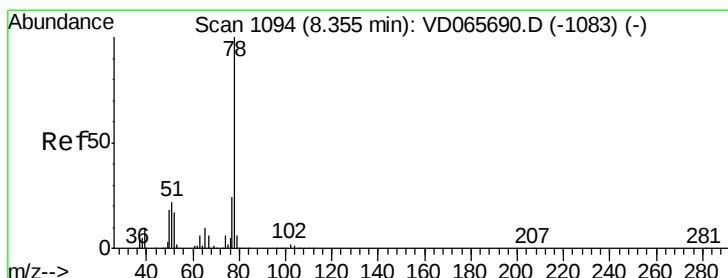
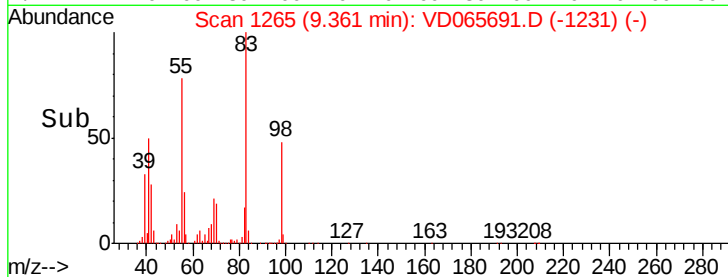
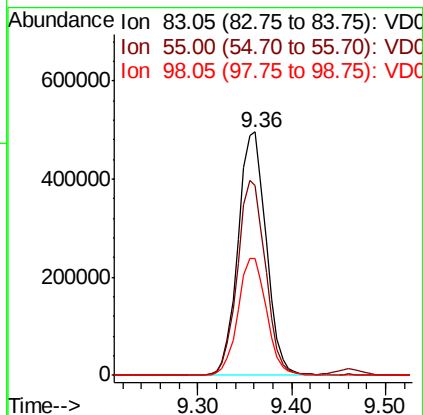
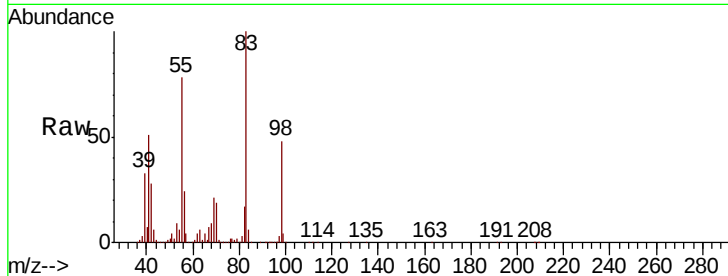




#39
Methvlcvclohexane
Concen: 142.357 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

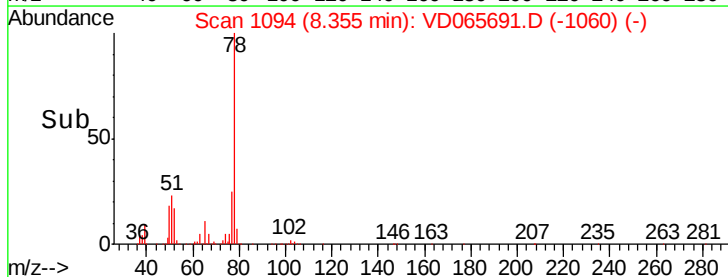
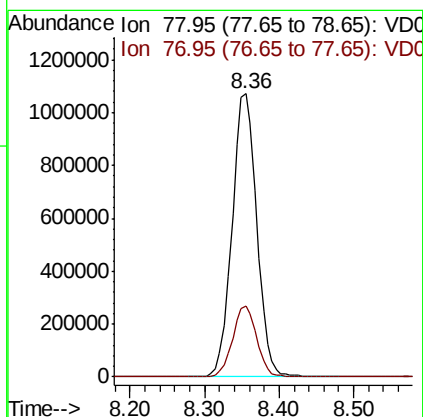
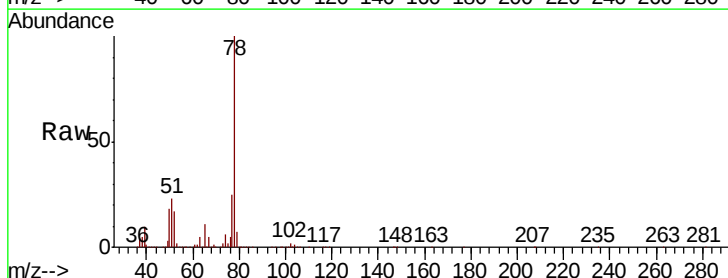
Instrument :
MSVOA_D
ClientSampleId :

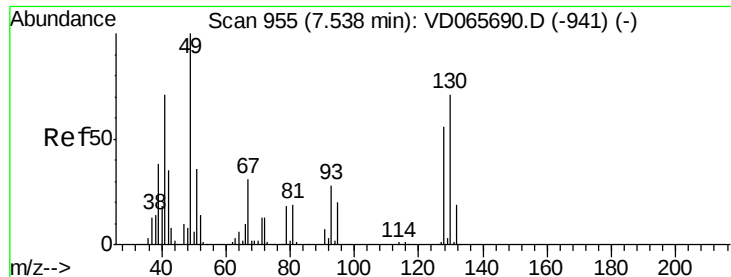
Tot Ion: 83 Resp: 1030585
Ion Ratio Lower Upper
83 100
55 78.0 65.0 97.4
98 48.2 41.2 61.8



#40
Benzene
Concen: 135.537 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Tgt Ion: 78 Resp: 2461771
Ion Ratio Lower Upper
78 100
77 24.9 19.2 28.8

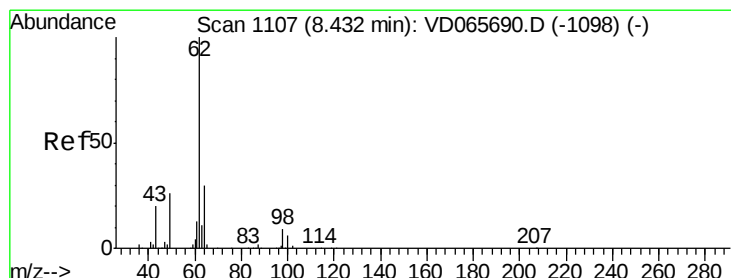
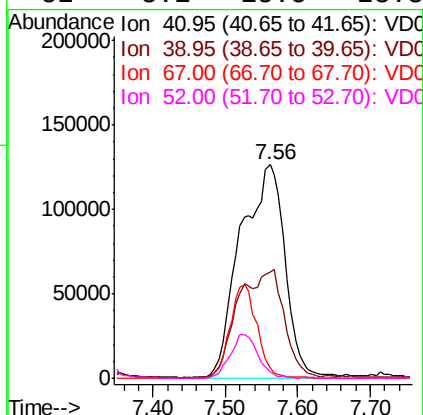
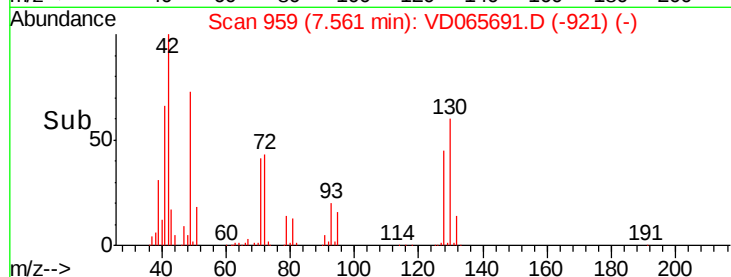
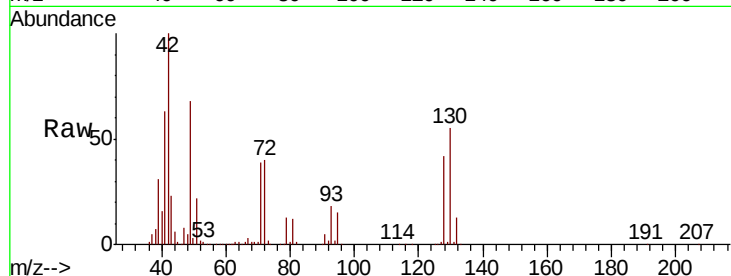




#41
Methacrylonitrile
Concen: 166.822 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.02 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

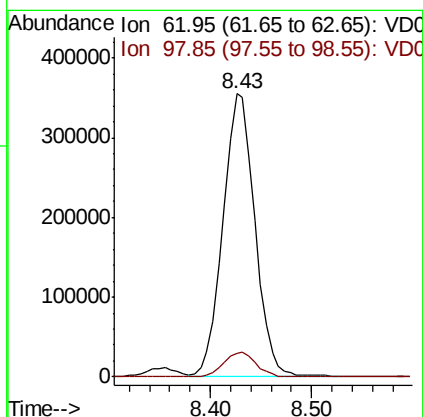
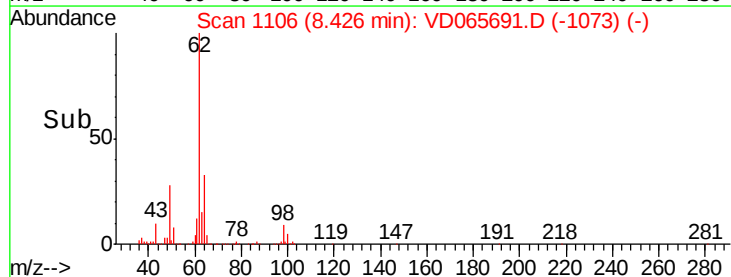
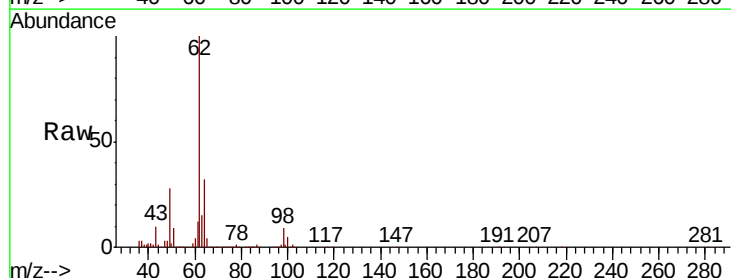
Instrument :
MSVOA_D
ClientSampleId :

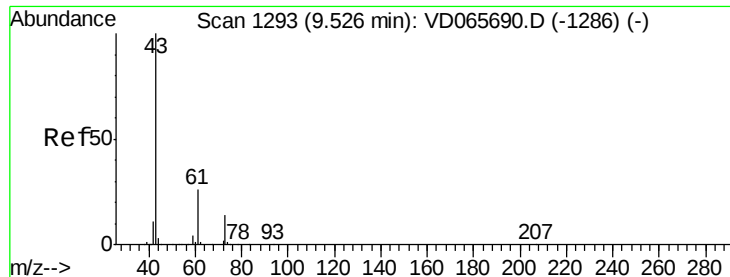
Tot Ion: 41 Resp: 532920
Ion Ratio Lower Upper
41 100
39 49.7 42.8 64.2
67 4.8 34.8 52.2#
52 3.1 15.5 23.3#



#42
1,2-Dichloroethane
Concen: 126.614 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Tgt Ion: 62 Resp: 774308
Ion Ratio Lower Upper
62 100
98 8.5 0.0 17.4



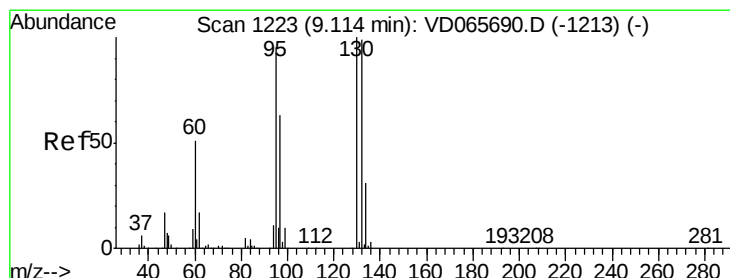
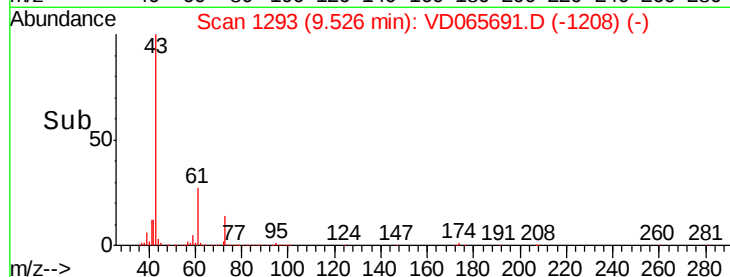
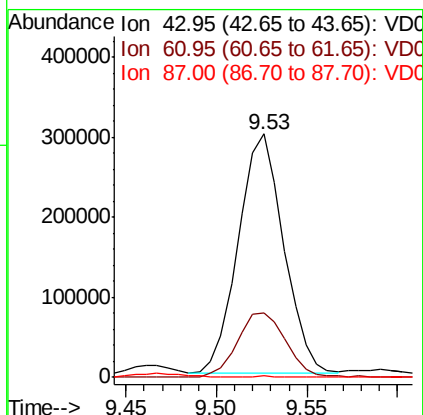
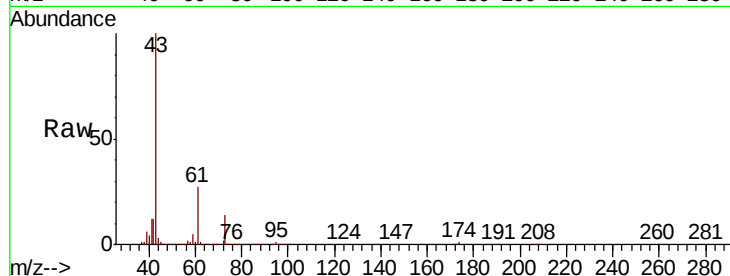


#43

Isopropyl Acetate
 Concen: 117.549 ug/l
 RT: 9.53 min Scan# 1293
 Delta R.T. -0.00 min
 Lab File: VD065691.D
 Acq: 01 May 2020 19:41

Instrument :
 MSVOA_D
 ClientSampleId :

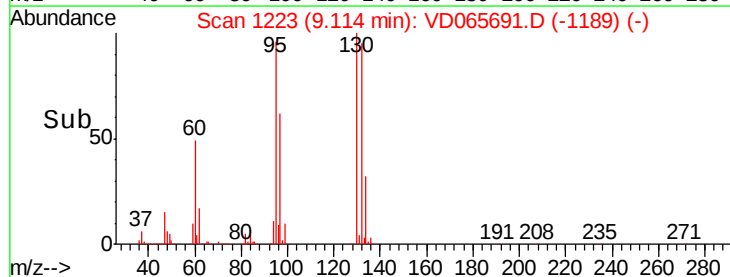
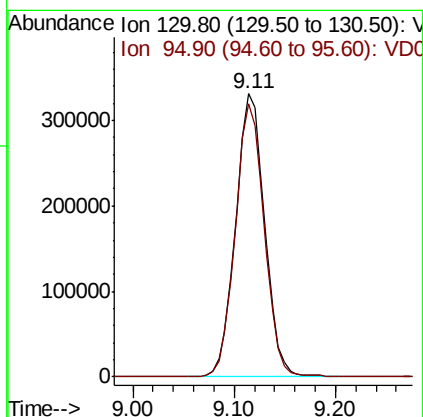
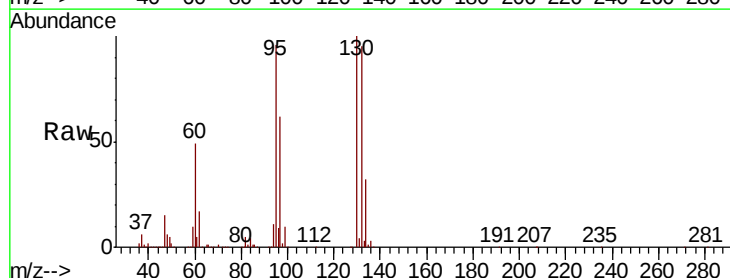
Tot Ion	43	Resp	518885
Ion Ratio	100	Lower	Upper
61	26.7	20.5	30.7
87	0.4	0.3	0.5

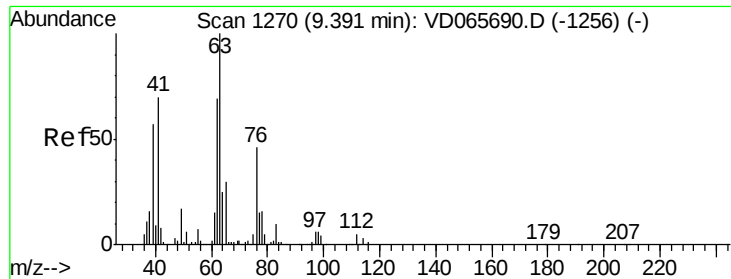


#44

Trichloroethene
 Concen: 100.566 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. -0.00 min
 Lab File: VD065691.D
 Acq: 01 May 2020 19:41

Tgt Ion	130	Resp	659033
Ion Ratio	100	Lower	Upper
95	96.4	0.0	190.2





#45

1,2-Dichloropropane

Concen: 134.764 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

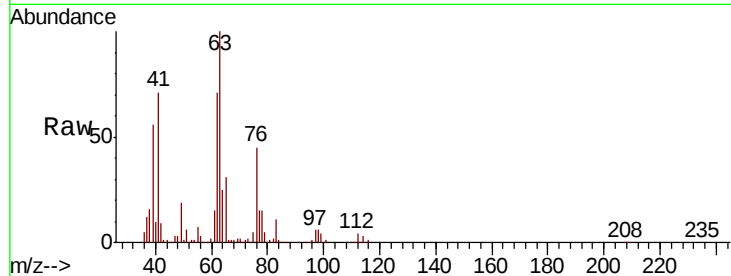
ClientSampleId :

Tot Ion: 63 Resp: 622557

Ion Ratio Lower Upper

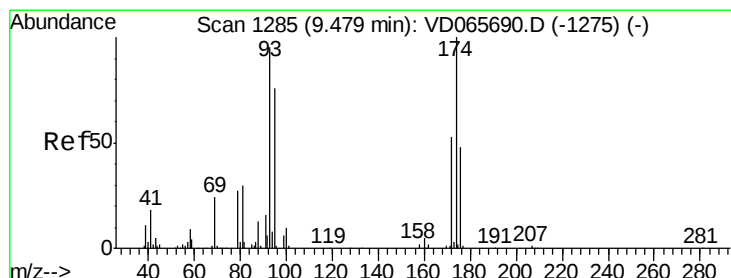
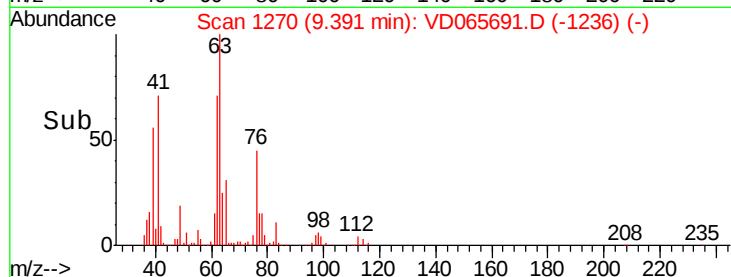
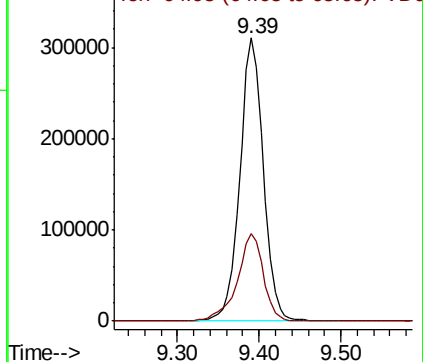
63 100

65 30.7 23.8 35.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 106.208 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

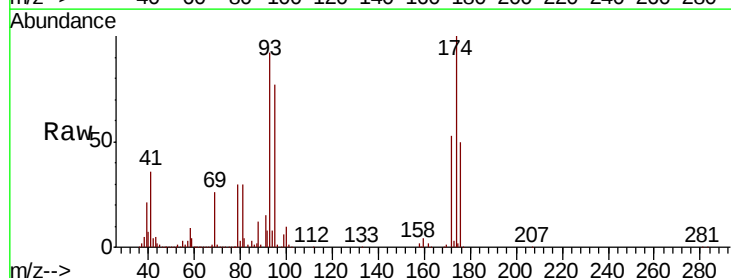
Tgt Ion: 93 Resp: 332231

Ion Ratio Lower Upper

93 100

95 83.0 63.9 95.9

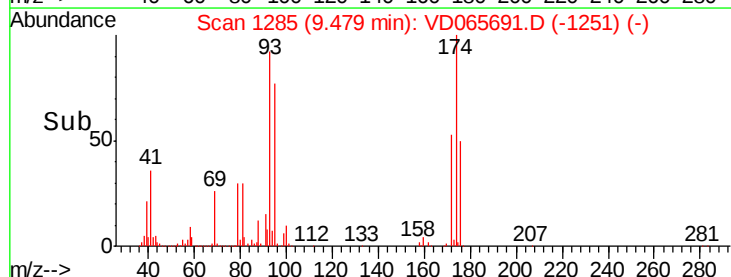
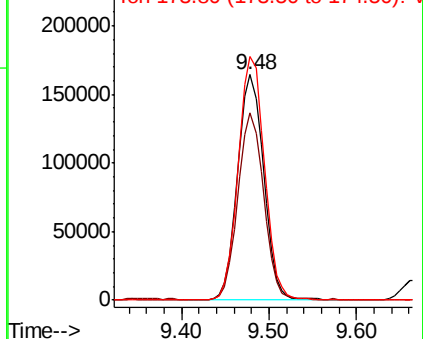
174 108.1 84.3 126.5

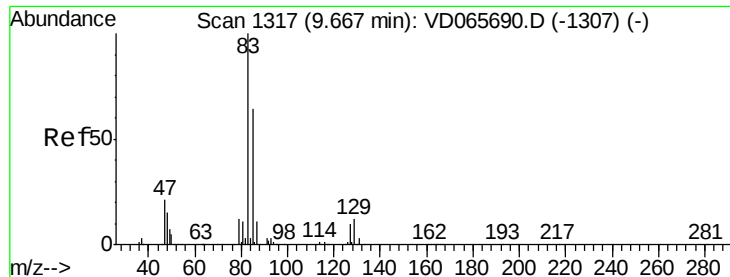


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 117.205 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

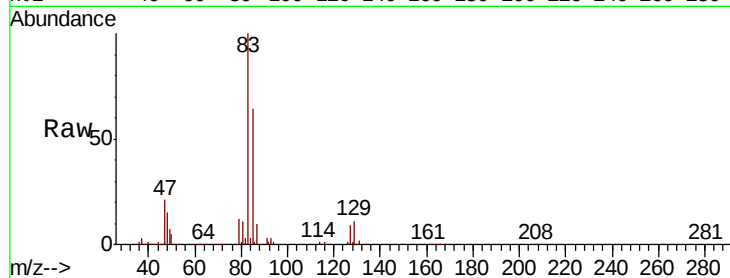
Tot Ion: 83 Resp: 890604

Ion Ratio Lower Upper

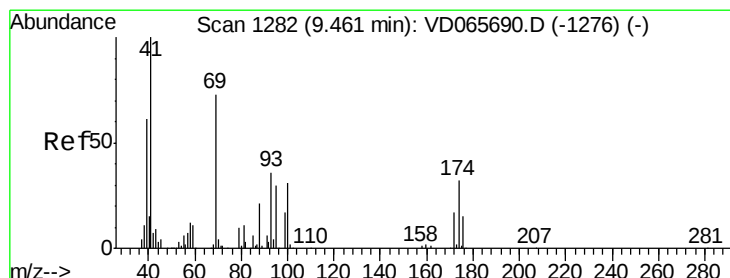
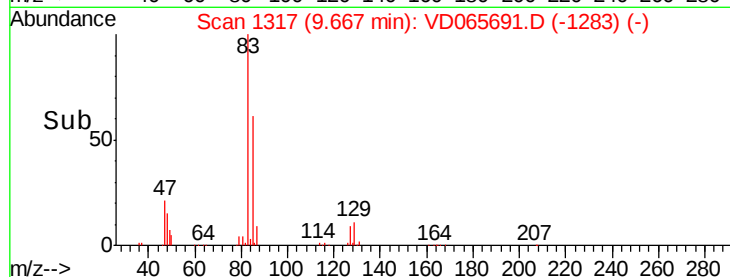
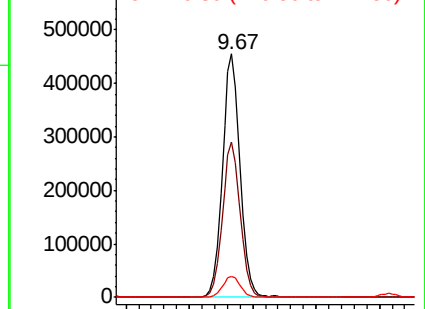
83 100

85 63.7 51.6 77.4

127 8.8 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: 134.740 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

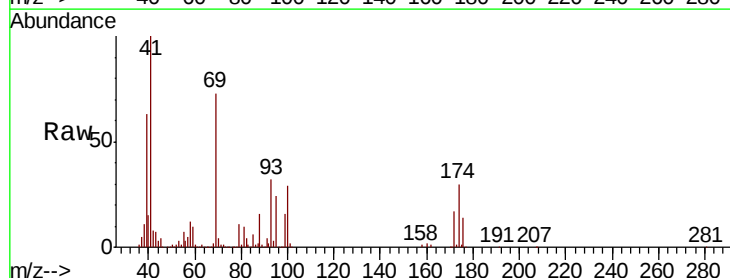
Tgt Ion: 41 Resp: 359463

Ion Ratio Lower Upper

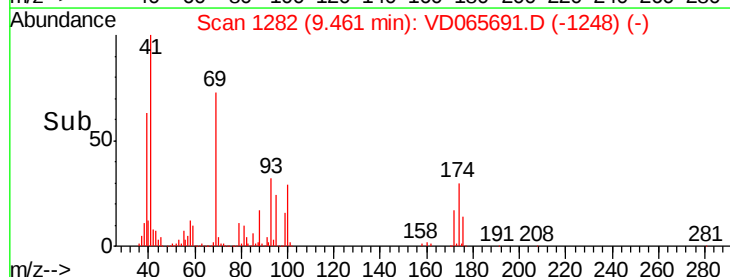
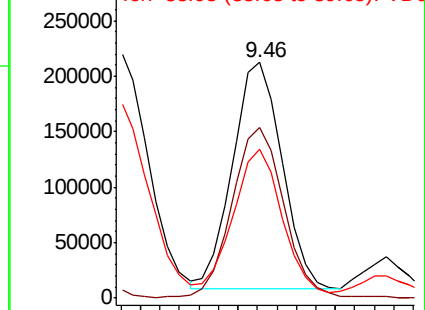
41 100

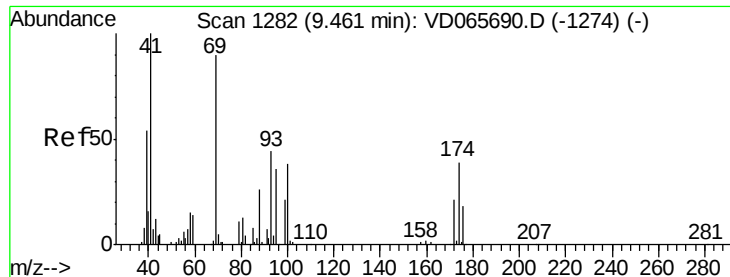
69 72.6 54.9 82.3

39 63.1 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: 2816.779 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :
MSVOA_D
ClientSampleId :

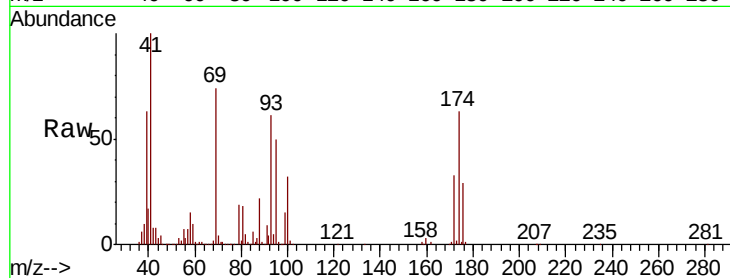
Tot Ion: 88 Resp: 79161

Ion Ratio Lower Upper

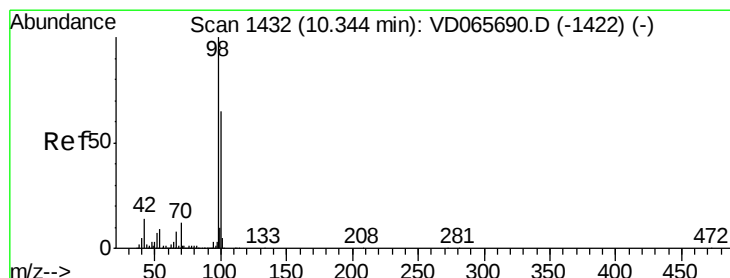
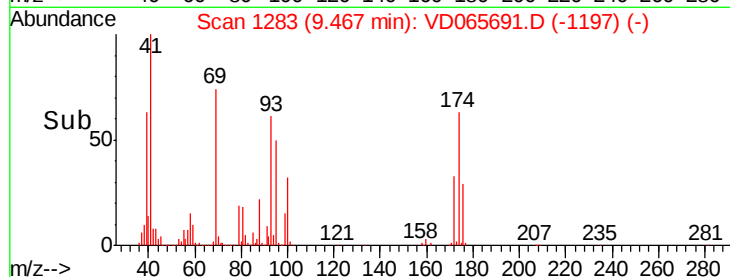
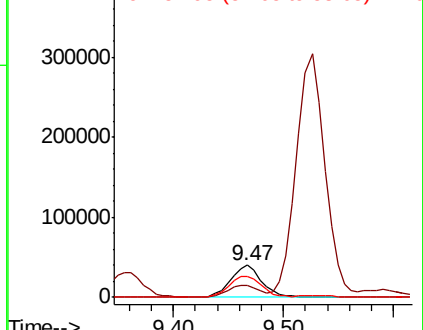
88 100

43 36.5 36.7 55.1#

58 66.6 47.0 70.4



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



#50

Toluene-d8

Concen: 147.588 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065691.D

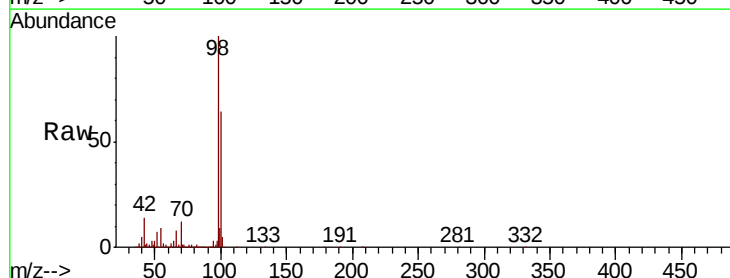
Acq: 01 May 2020 19:41

Tgt Ion: 98 Resp: 2357974

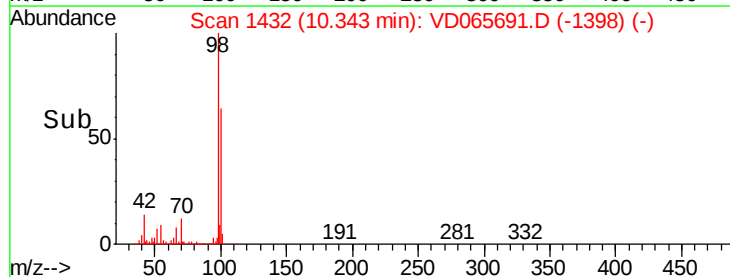
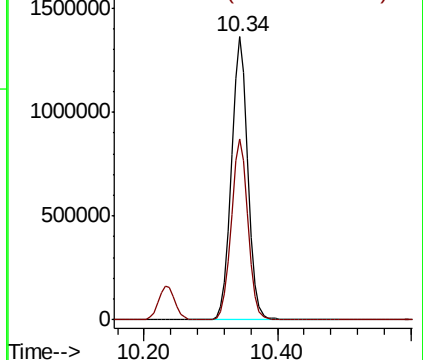
Ion Ratio Lower Upper

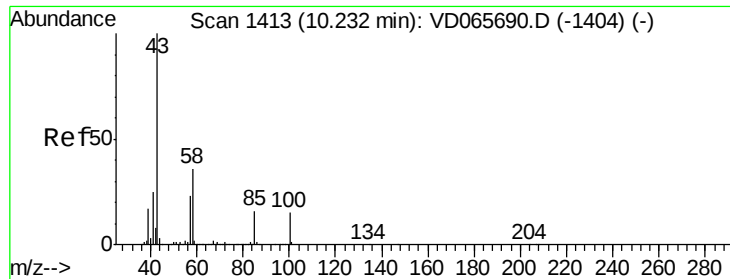
98 100

100 63.7 51.9 77.9



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





#51

4-Methyl-2-Pentanone

Concen: 690.908 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

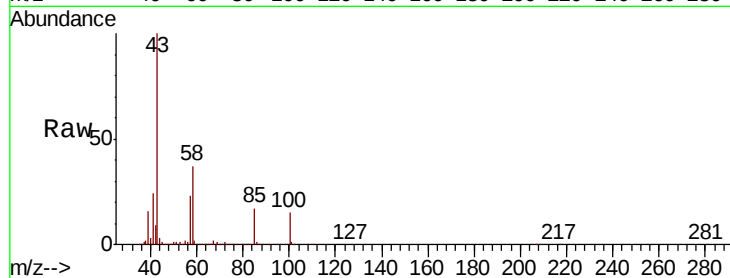
ClientSampleId :

Tot Ion: 43 Resp: 1939268

Ion Ratio Lower Upper

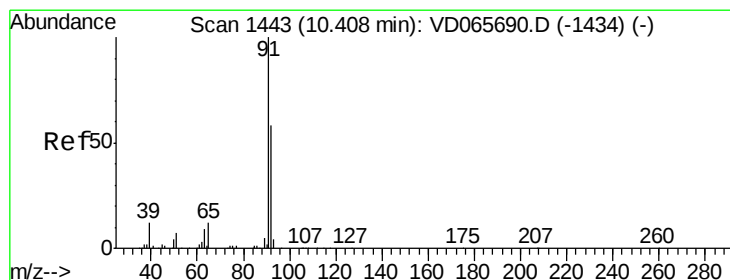
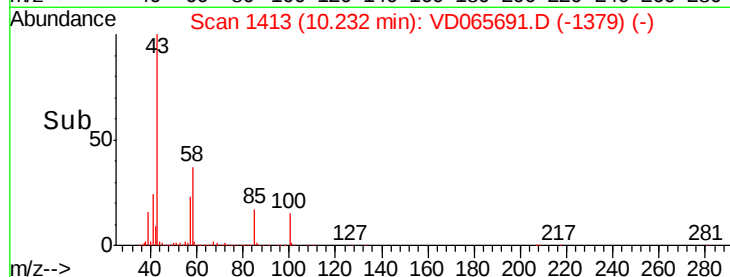
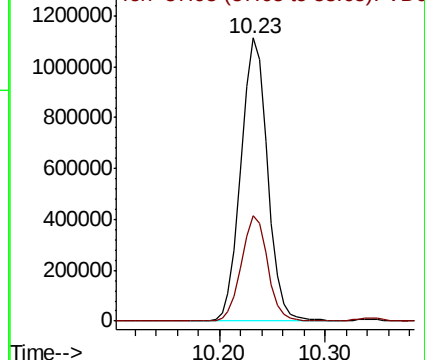
43 100

58 37.4 28.8 43.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 138.520 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065691.D

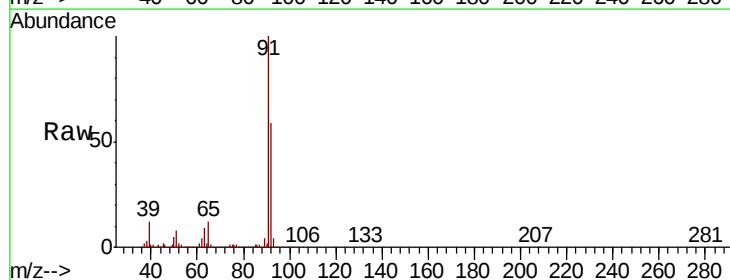
Acq: 01 May 2020 19:41

Tgt Ion: 92 Resp: 1625582

Ion Ratio Lower Upper

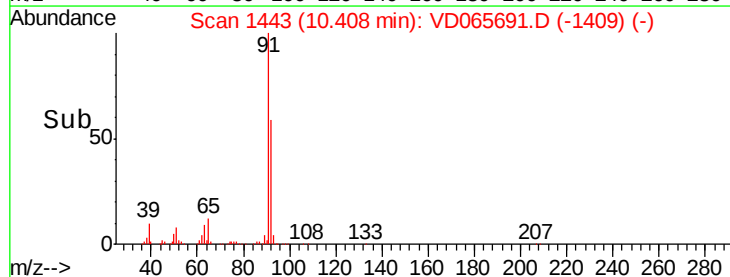
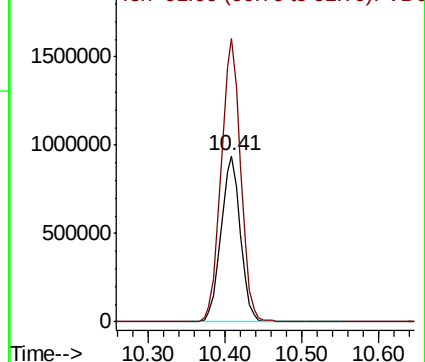
92 100

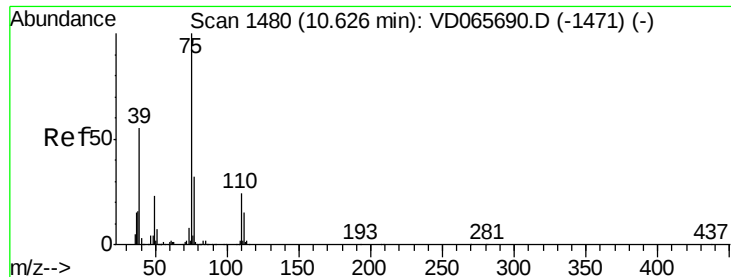
91 170.2 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 131.285 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

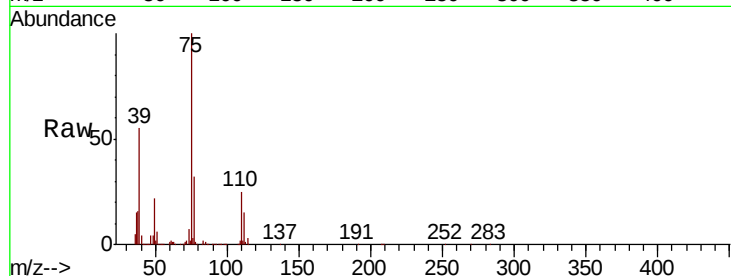
ClientSampled :

Tot Ion: 75 Resp: 841746

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.63

500000

400000

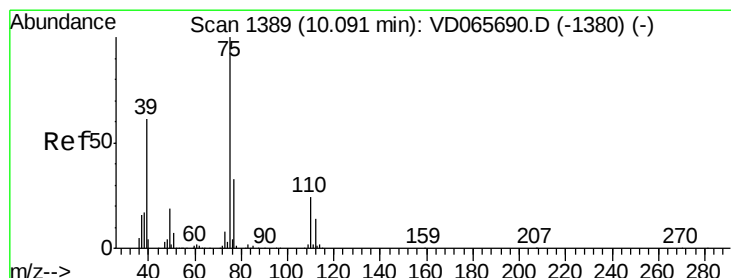
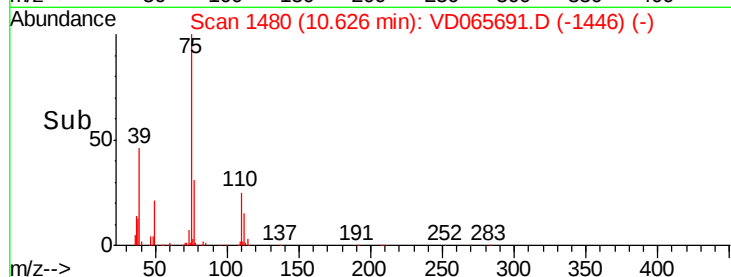
300000

200000

100000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 124.679 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

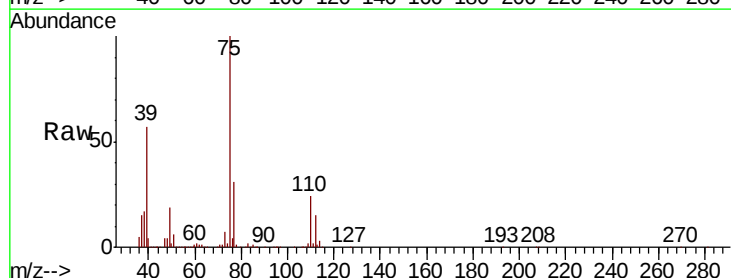
Tgt Ion: 75 Resp: 972875

Ion Ratio Lower Upper

75 100

77 30.9 26.6 40.0

39 57.4 48.8 73.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.10

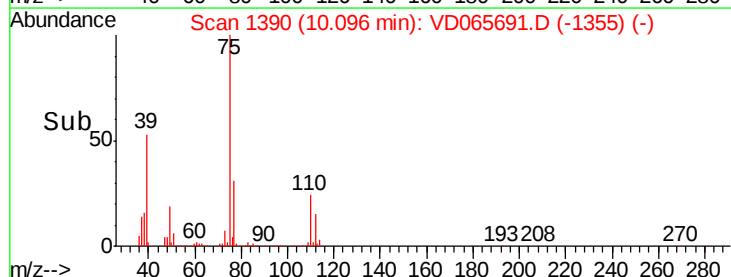
600000

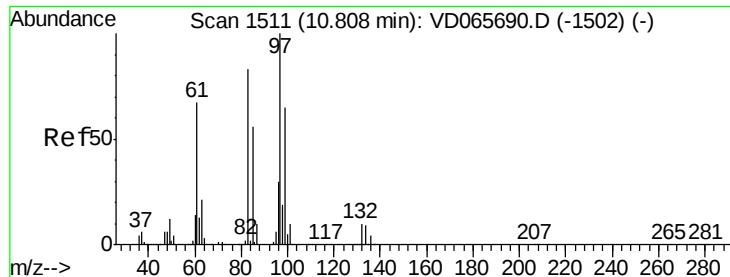
400000

200000

0

Time--> 10.00 10.10 10.20

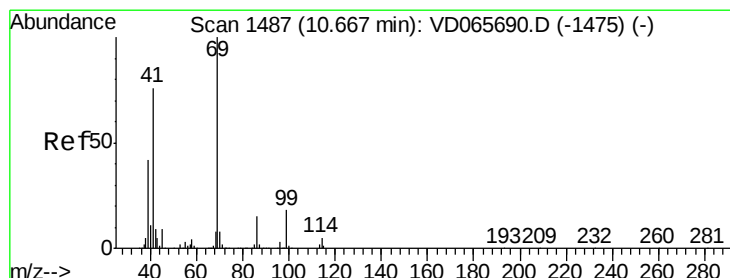
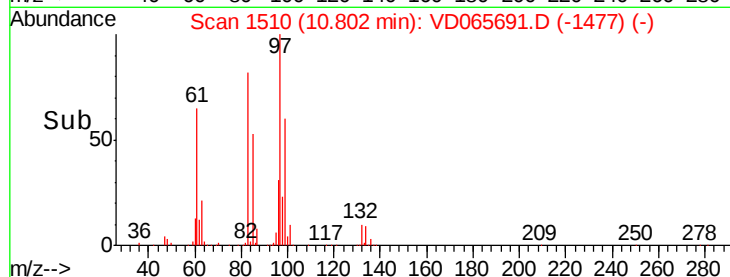
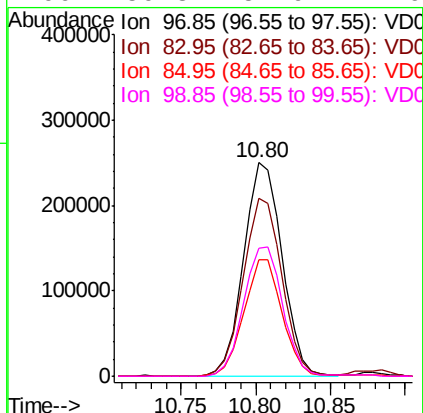
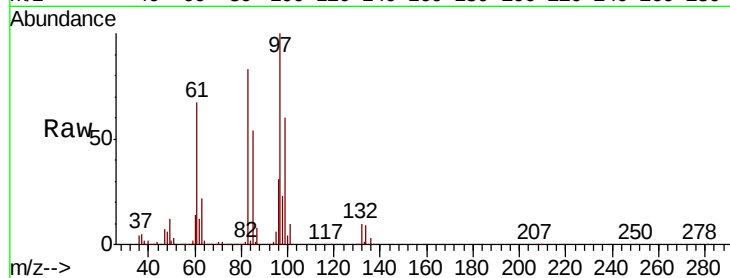




#55
 1,1,2-Trichloroethane
 Concen: 117.849 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065691.D
 Acq: 01 May 2020 19:41

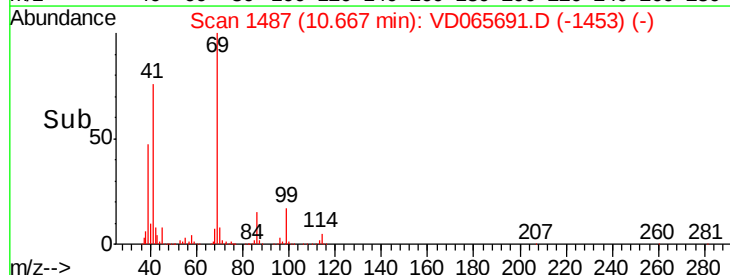
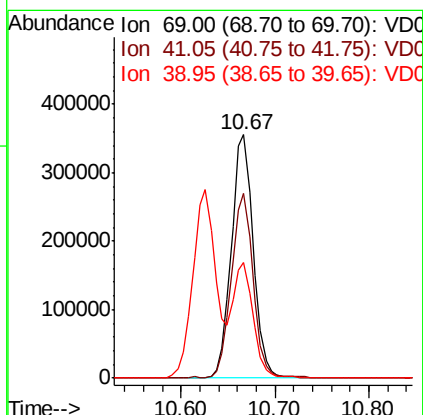
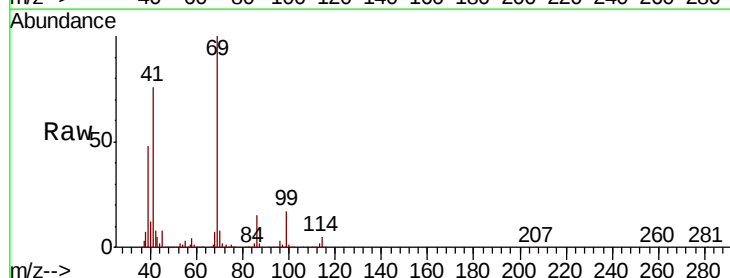
Instrument :
 MSVOA_D
 ClientSampleId :

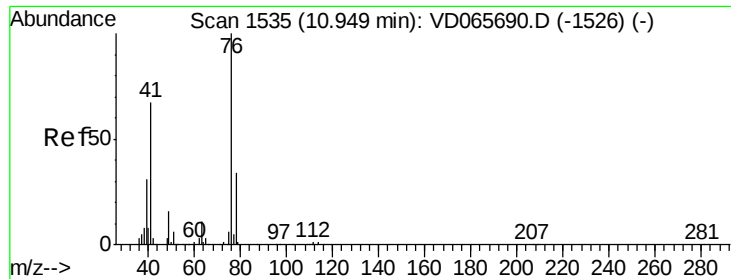
Tot Ion:	97	Resp:	445835
Ion	Ratio	Lower	Upper
97	100		
83	83.5	66.7	100.1
85	54.5	45.0	67.4
99	59.8	51.9	77.9



#56
 Ethyl methacrylate
 Concen: 135.883 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065691.D
 Acq: 01 May 2020 19:41

Tgt Ion:	69	Resp:	576701
Ion	Ratio	Lower	Upper
69	100		
41	76.1	61.4	92.0
39	47.6	36.6	54.8





#57

1,3-Dichloropropane

Concen: 130.861 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

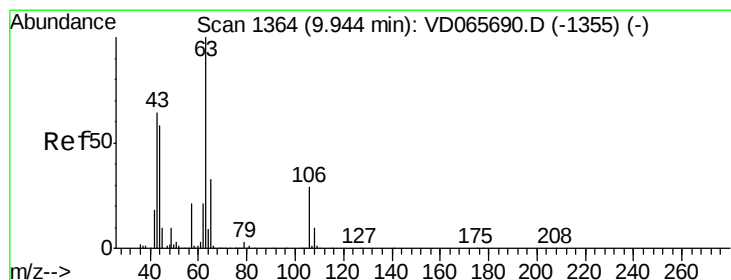
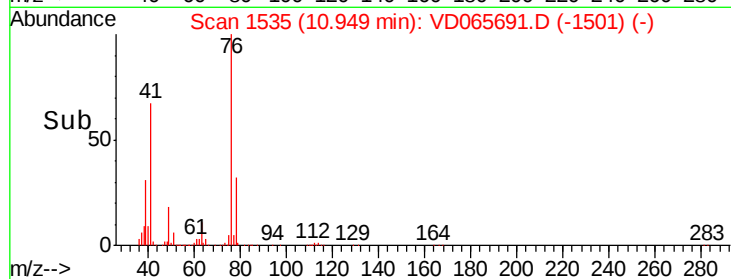
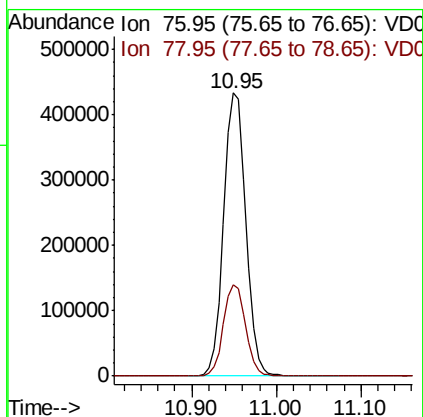
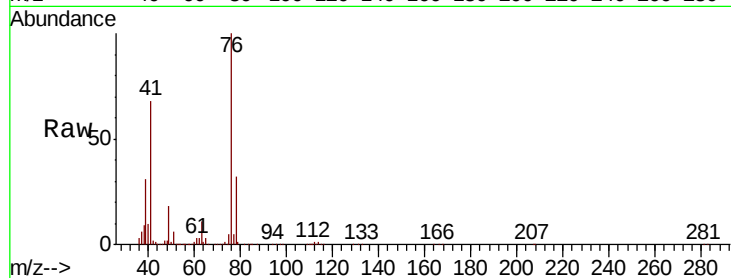
ClientSampleId :

Tot Ion: 76 Resp: 785282

Ion Ratio Lower Upper

76 100

78 32.1 26.9 40.3



#58

2-Chloroethyl Vinyl ether

Concen: 667.182 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD065691.D

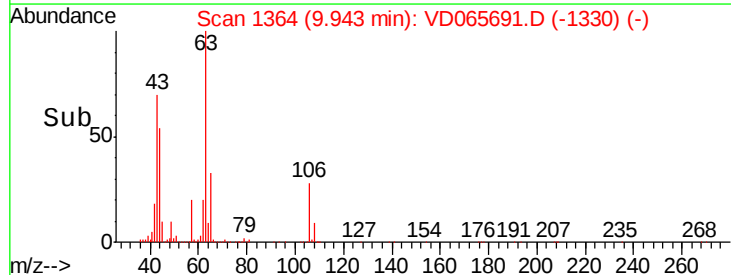
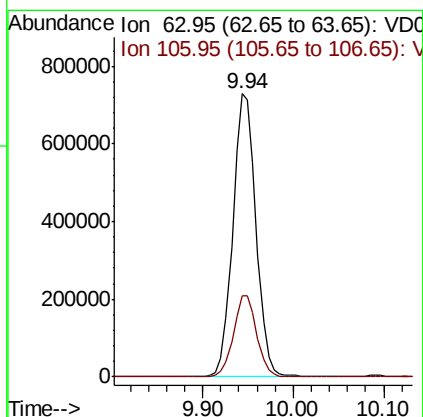
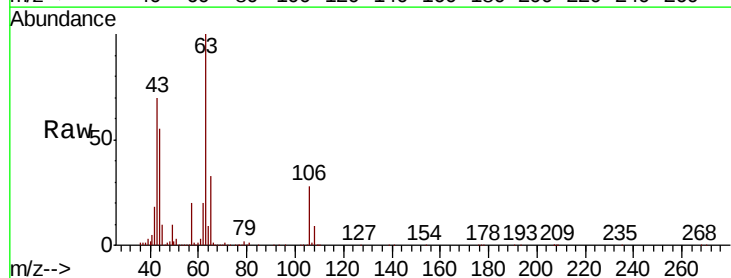
Acq: 01 May 2020 19:41

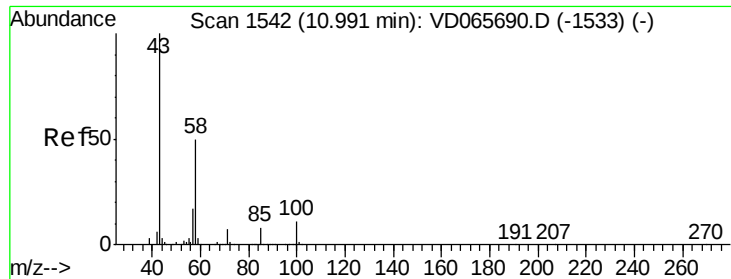
Tgt Ion: 63 Resp: 1300412

Ion Ratio Lower Upper

63 100

106 28.5 23.4 35.2

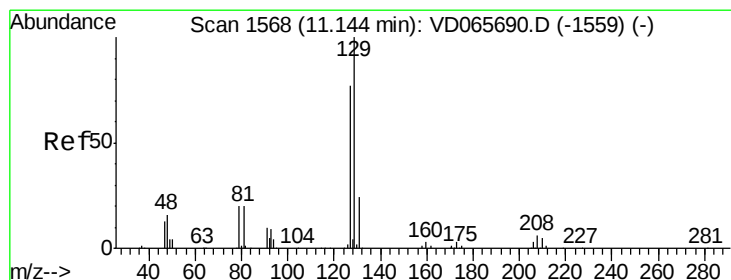
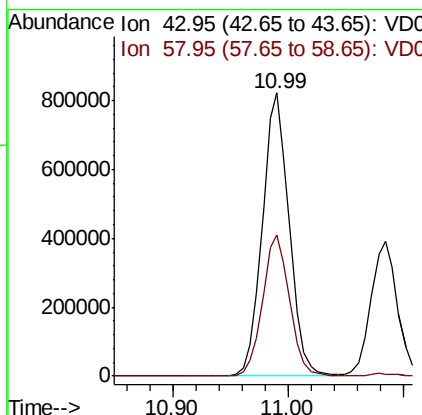
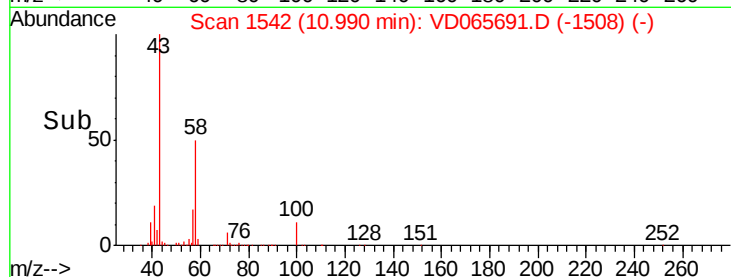
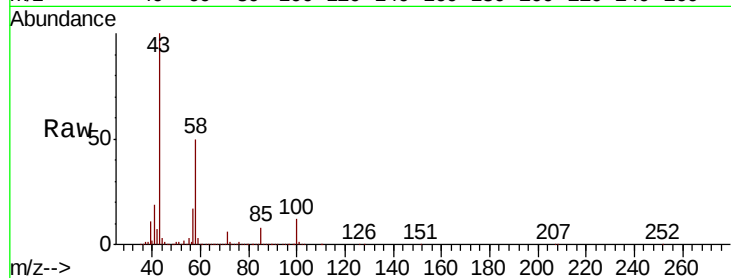




#59
2-Hexanone
Concen: 645.753 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

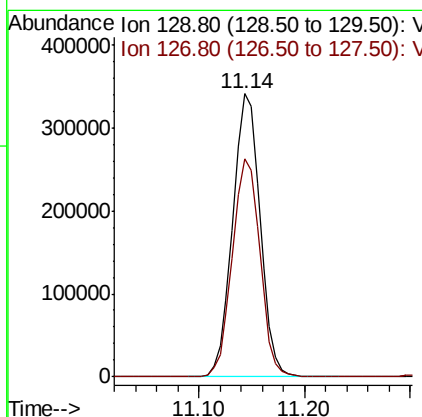
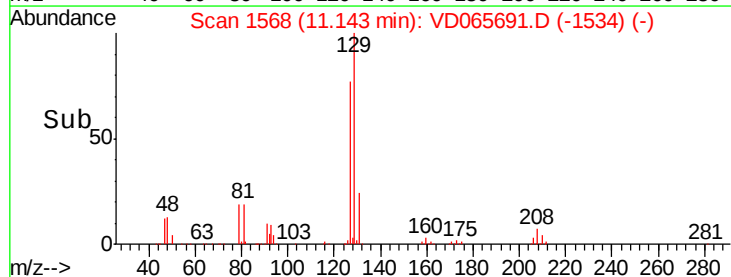
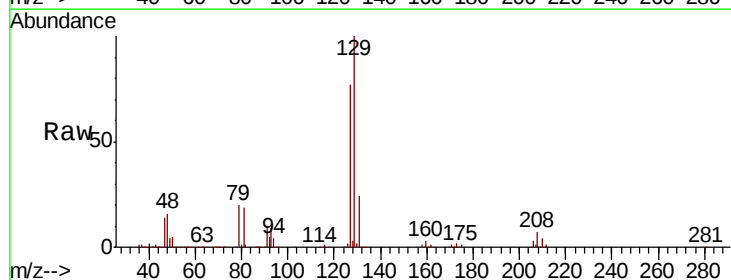
Instrument :
MSVOA_D
ClientSampleID :

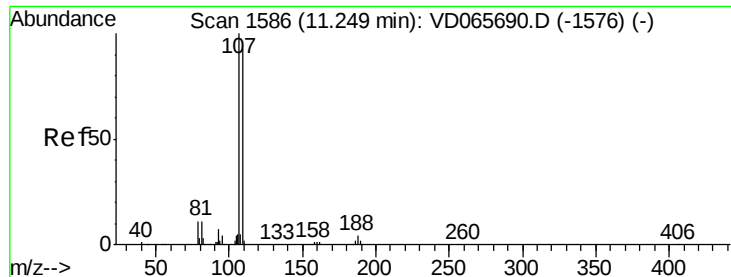
Tot Ion: 43 Resp: 1329870
Ion Ratio Lower Upper
43 100
58 49.9 24.8 74.4



#60
Dibromochloromethane
Concen: 101.534 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Tgt Ion: 129 Resp: 611154
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8

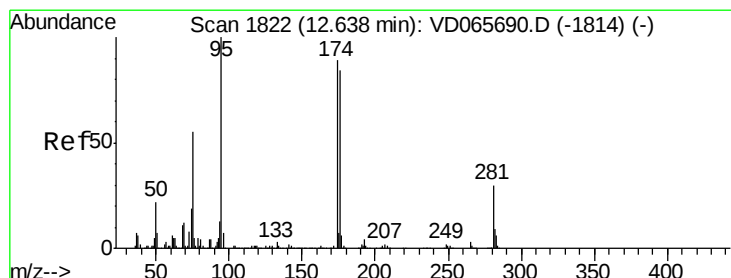
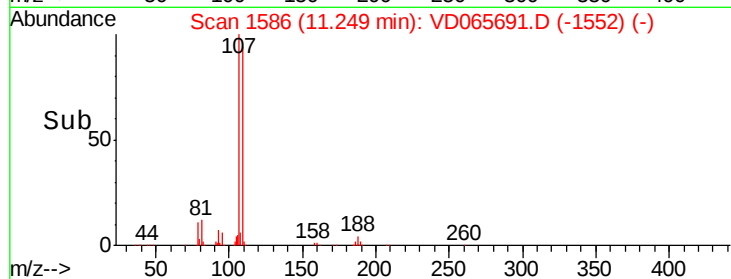
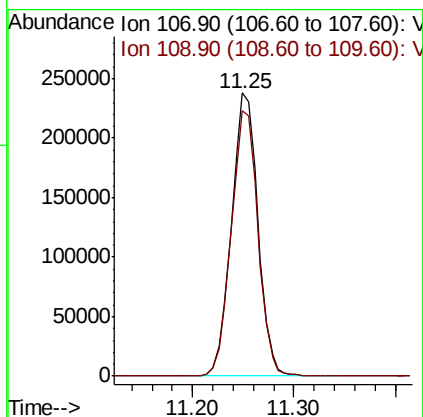
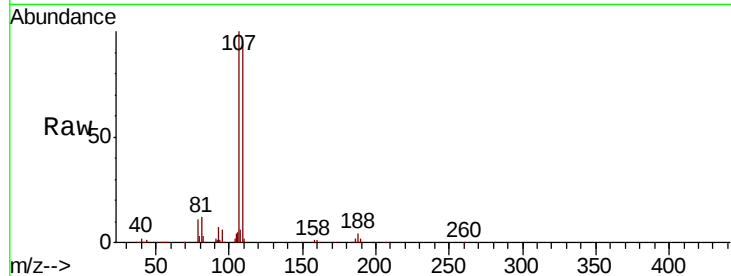




#61
 1,2-Dibromoethane
 Concen: 98.315 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065691.D
 Acq: 01 May 2020 19:41

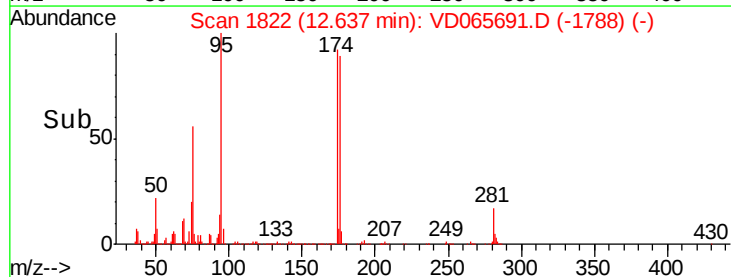
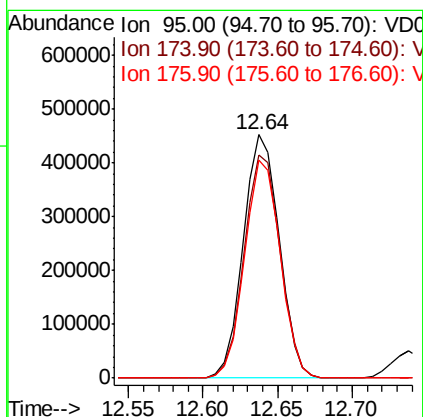
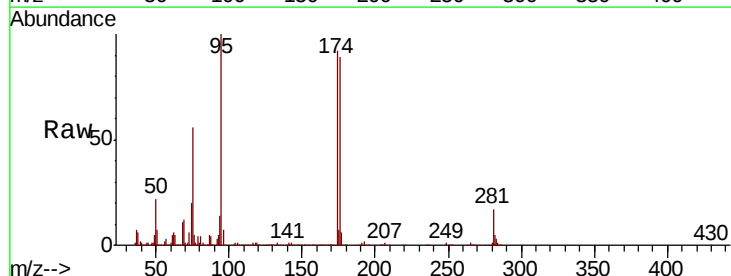
Instrument :
 MSVOA_D
 ClientSampled :

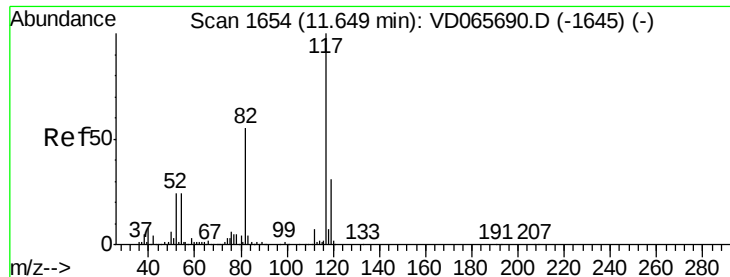
Tot Ion:107 Resp: 429819
 Ion Ratio Lower Upper
 107 100
 109 93.6 74.0 111.0



#62
 4-Bromofluorobenzene
 Concen: 122.971 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065691.D
 Acq: 01 May 2020 19:41

Tgt Ion: 95 Resp: 752965
 Ion Ratio Lower Upper
 95 100
 174 91.8 0.0 177.6
 176 89.4 0.0 168.2

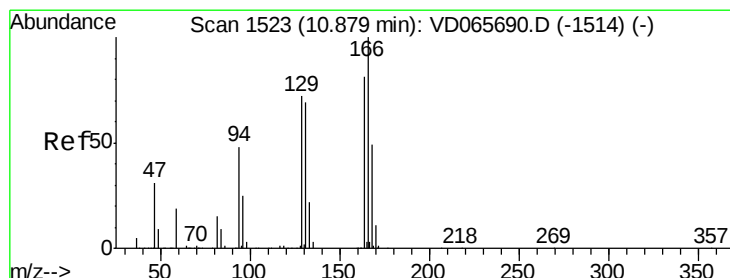
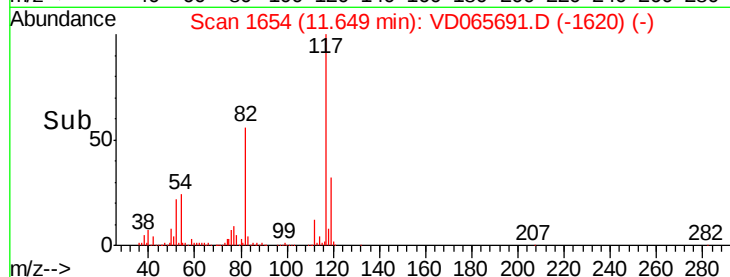
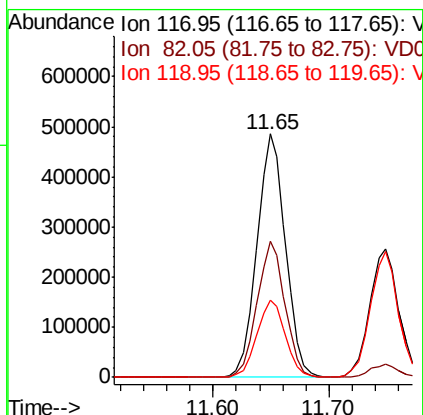
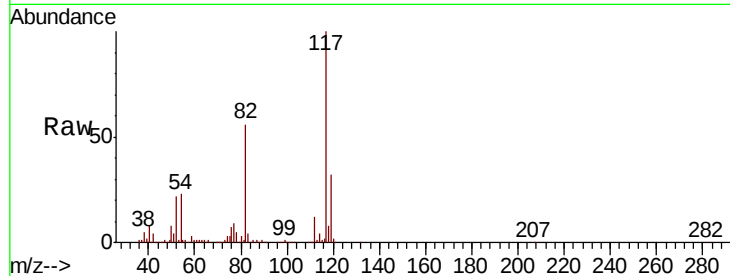




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

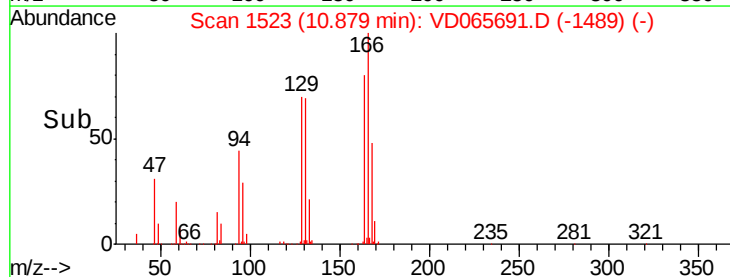
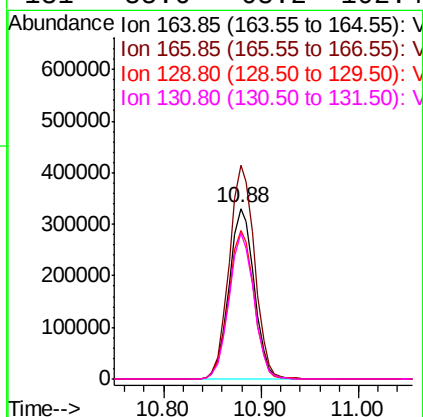
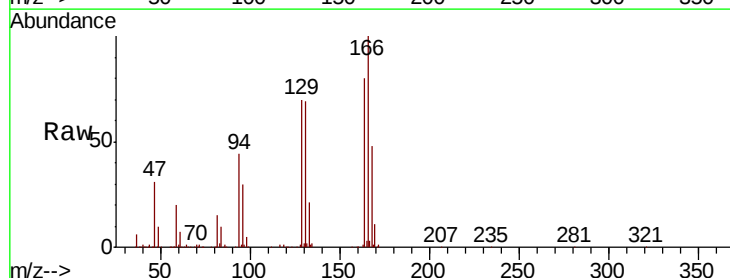
Instrument :
MSVOA_D
ClientSampled :

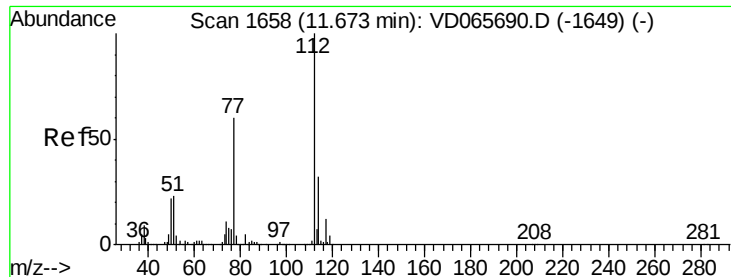
Tot Ion:117 Resp: 834499
Ion Ratio Lower Upper
117 100
82 55.8 43.6 65.4
119 31.7 25.0 37.6



#64
Tetrachloroethene
Concen: 98.291 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Tgt Ion:164 Resp: 587099
Ion Ratio Lower Upper
164 100
166 125.0 99.0 148.6
129 86.9 71.5 107.3
131 85.6 68.2 102.4

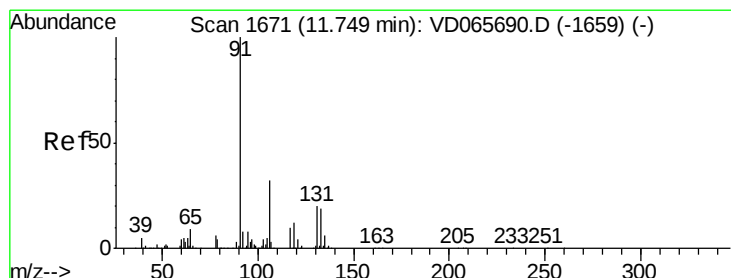
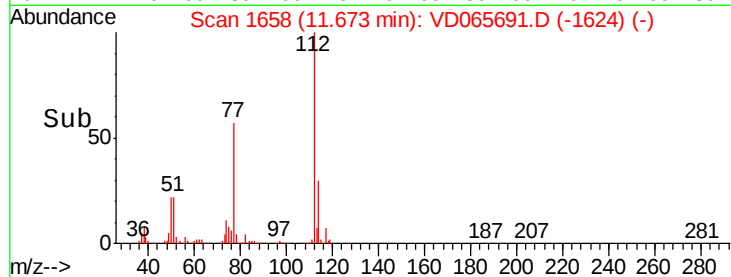
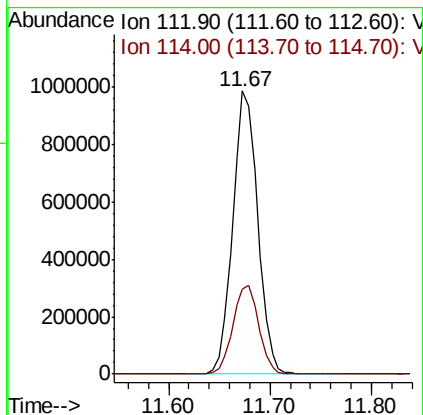
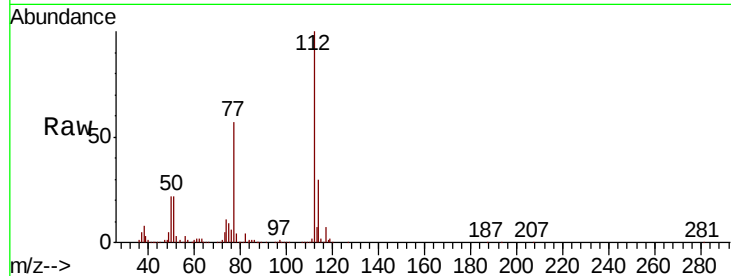




#65
Chlorobenzene
Concen: 105.063 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

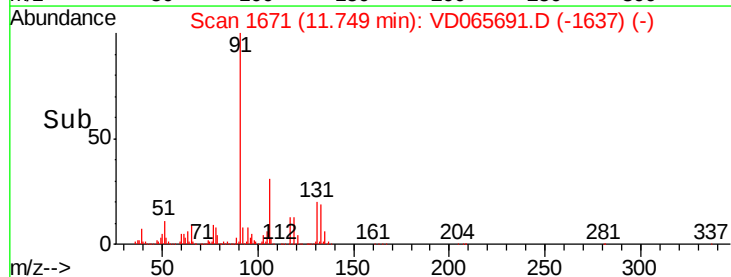
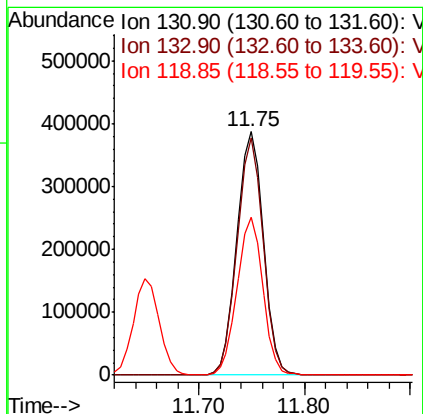
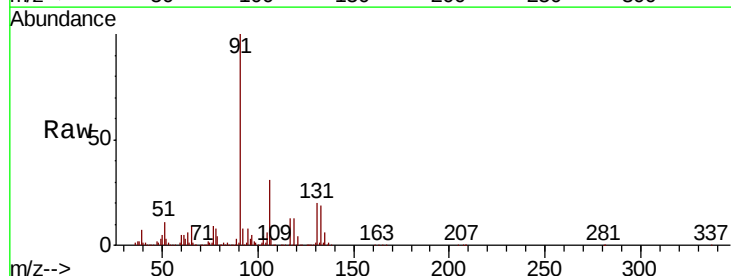
Instrument :
MSVOA_D
ClientSampleId :

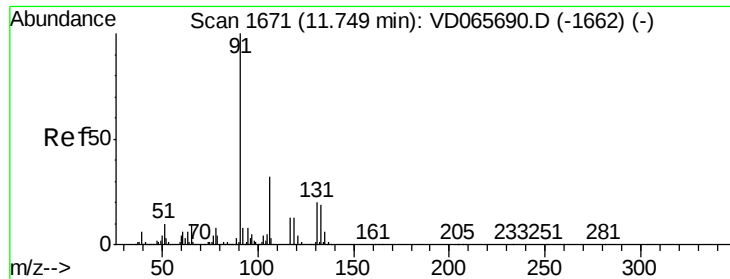
Tot Ion:112 Resp: 1685087
Ion Ratio Lower Upper
112 100
114 30.2 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 100.840 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Tgt Ion:131 Resp: 673655
Ion Ratio Lower Upper
131 100
133 97.4 47.9 143.8
119 64.8 32.0 96.2

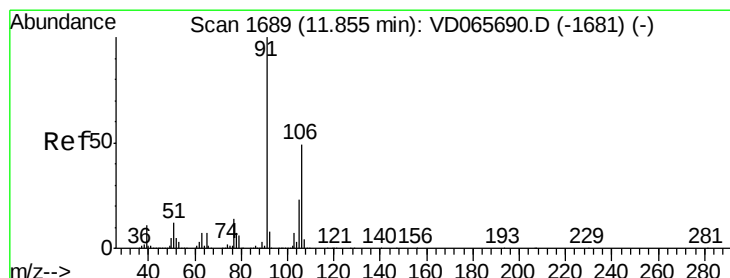
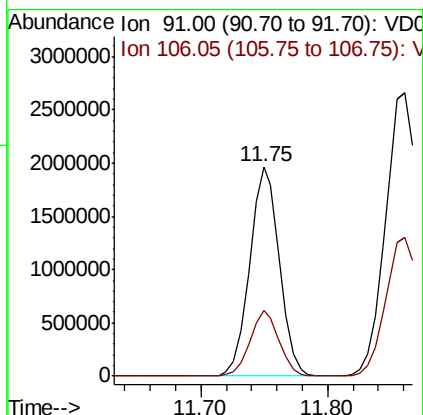
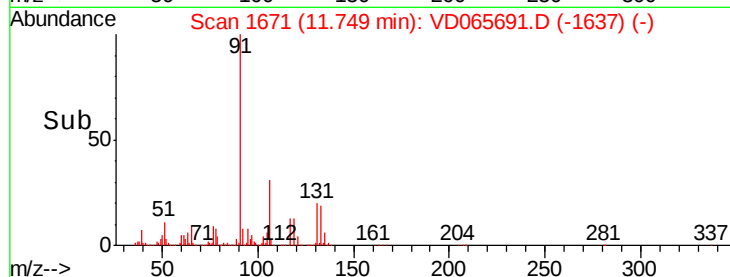
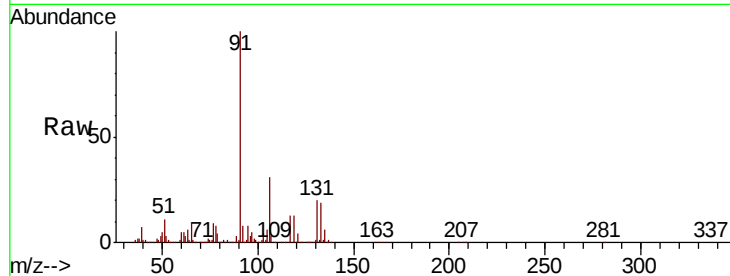




#67
Ethyl Benzene
Concen: 119.252 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

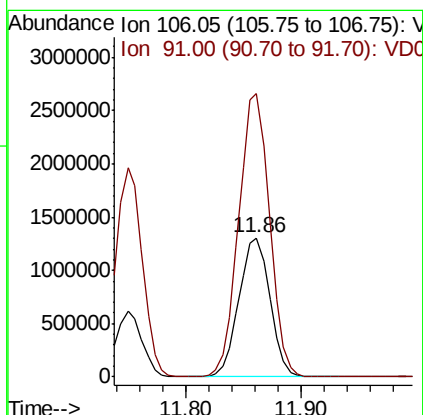
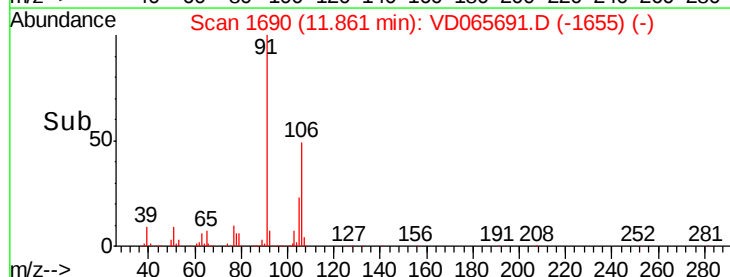
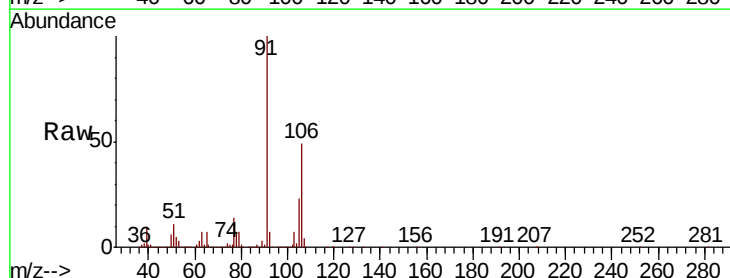
Instrument :
MSVOA_D
ClientSampleId :

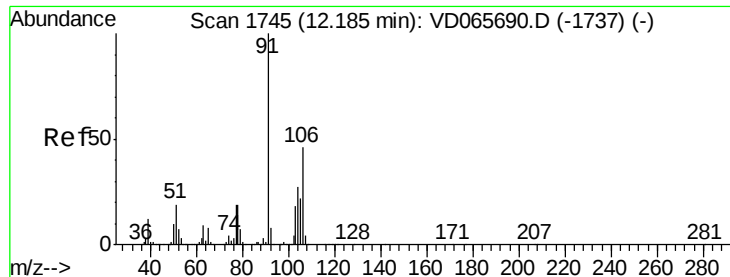
Tot Ion: 91 Resp: 3182768
Ion Ratio Lower Upper
91 100
106 31.4 25.2 37.8



#68
m/p-Xylenes
Concen: 248.395 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Tgt Ion:106 Resp: 2438274
Ion Ratio Lower Upper
106 100
91 203.5 162.2 243.2

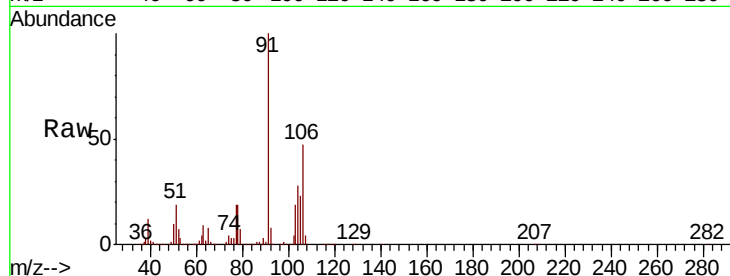




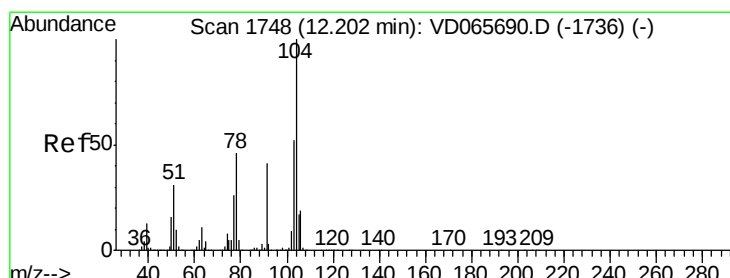
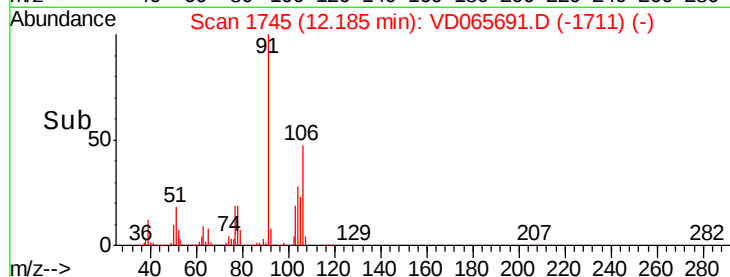
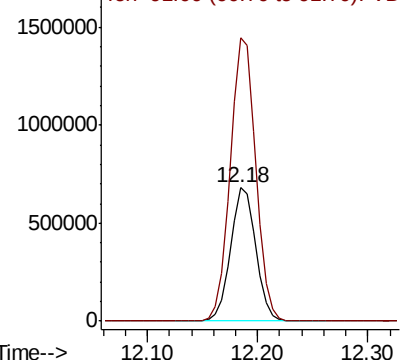
#69
o-Xylene
Concen: 123.273 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 1093701
Ion Ratio Lower Upper
106 100
91 212.3 109.7 329.0

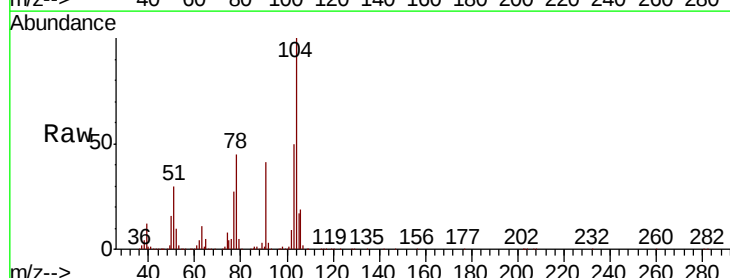


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

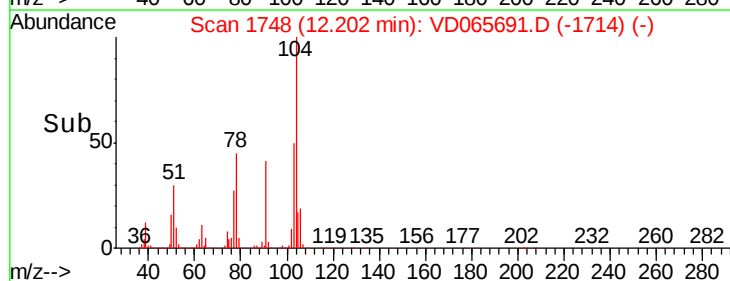
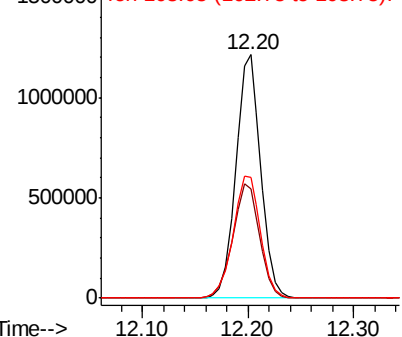


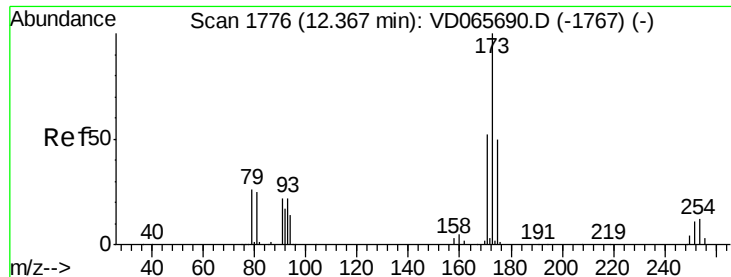
#70
Styrene
Concen: 128.209 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Tgt Ion:104 Resp: 1980799
Ion Ratio Lower Upper
104 100
78 44.7 36.4 54.6
103 49.5 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: 97.291 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

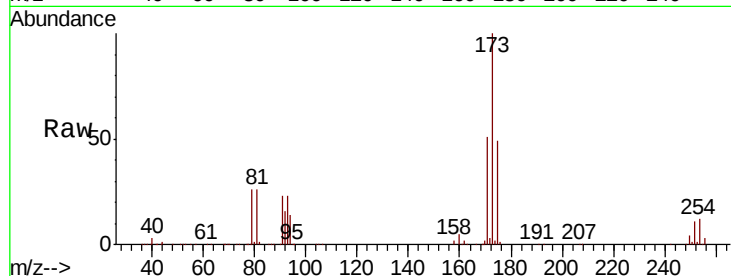
Tot Ion:173 Resp: 371061

Ion Ratio Lower Upper

173 100

175 49.3 24.9 74.8

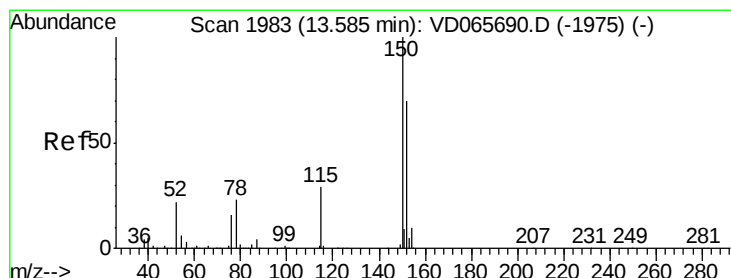
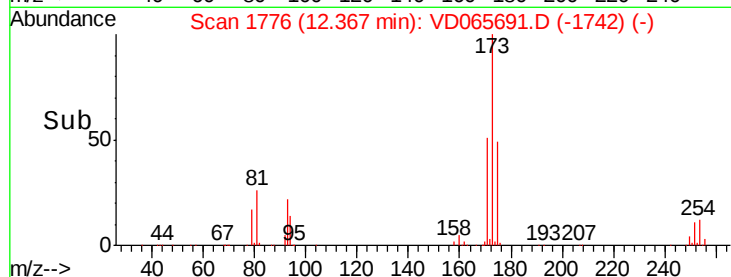
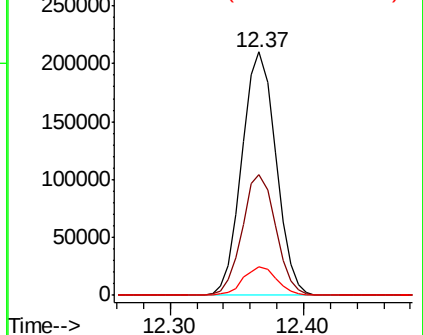
254 11.5 9.4 14.0



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

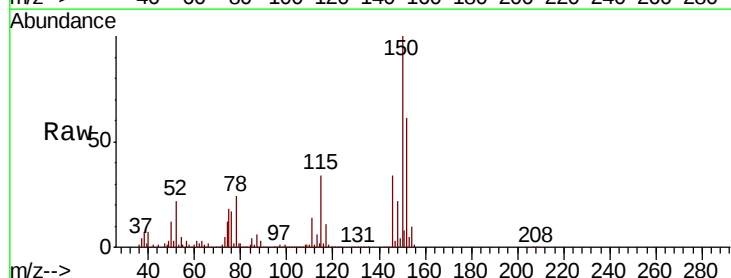
Tgt Ion:152 Resp: 438133

Ion Ratio Lower Upper

152 100

115 55.6 26.8 80.3

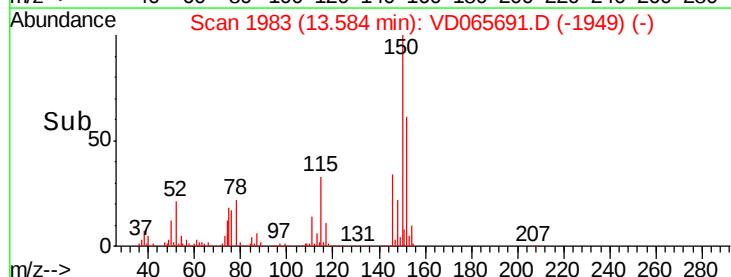
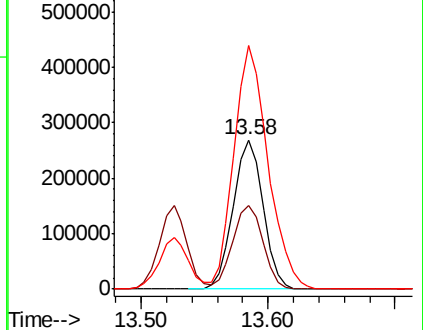
150 162.9 0.0 301.2

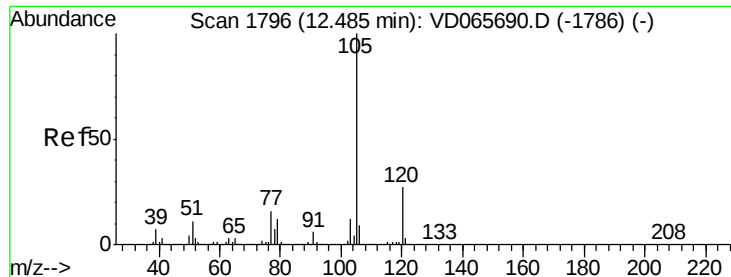


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 103.058 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

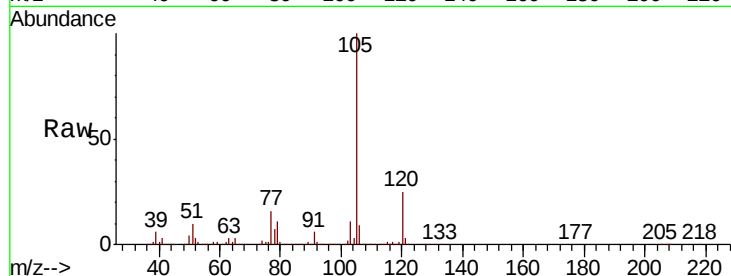
ClientSampled :

Tot Ion:105 Resp: 3008121

Ion Ratio Lower Upper

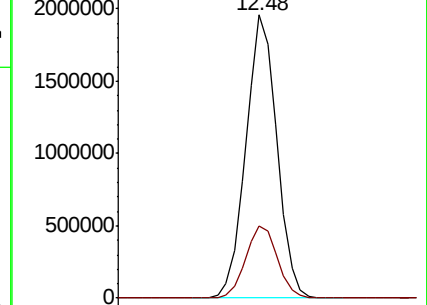
105 100

120 25.3 13.4 40.1

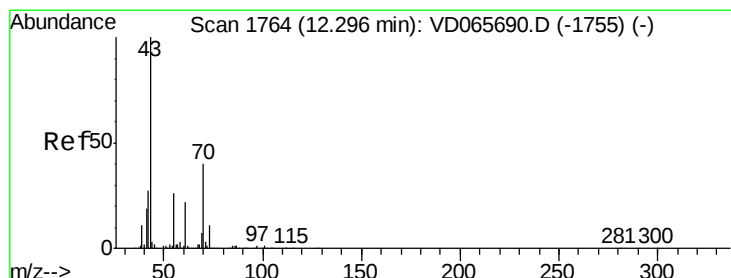
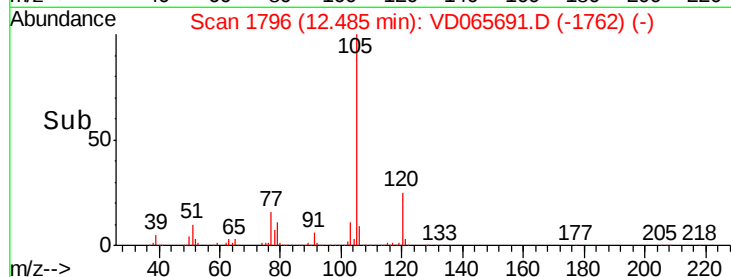


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time--> 12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 93.077 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Tgt Ion: 43 Resp: 685968

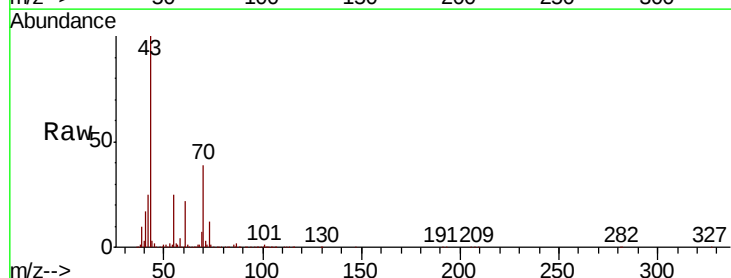
Ion Ratio Lower Upper

43 100

70 38.9 32.0 48.0

55 25.1 20.4 30.6

61 22.4 17.6 26.4

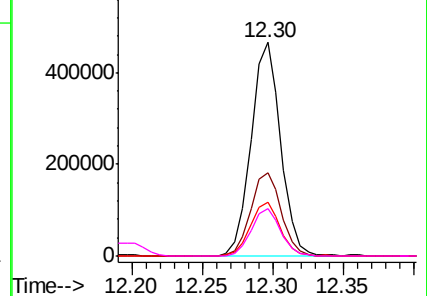


Abundance Ion 42.95 (42.65 to 43.65): VDC

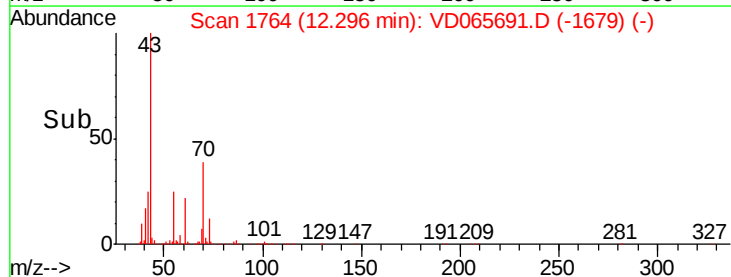
Ion 70.00 (69.70 to 70.70): VDC

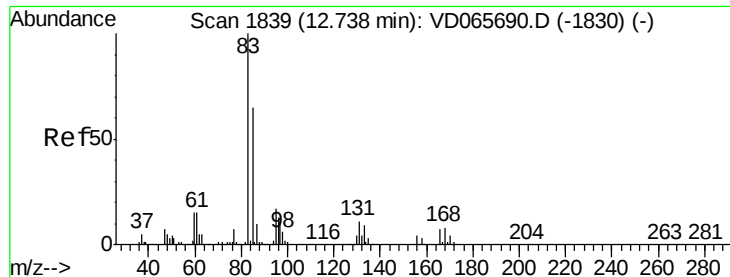
Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time--> 12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 86.720 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

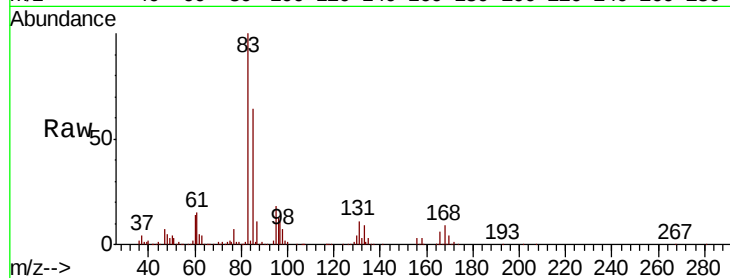
Tot Ion: 83 Resp: 484941

Ion Ratio Lower Upper

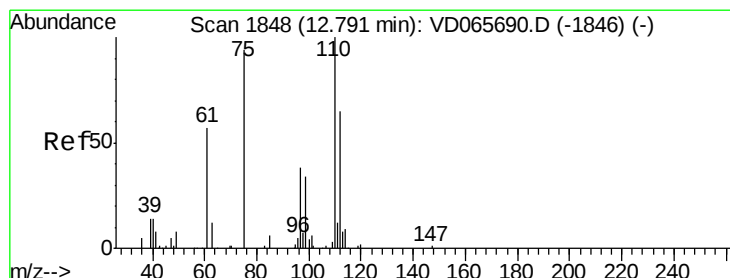
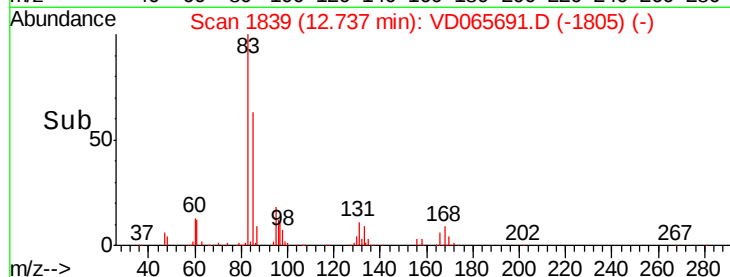
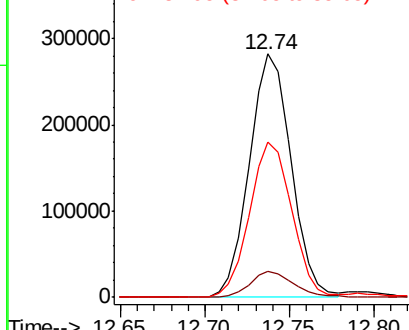
83 100

131 10.6 5.5 16.5

85 63.6 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: 130.177 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065691.D

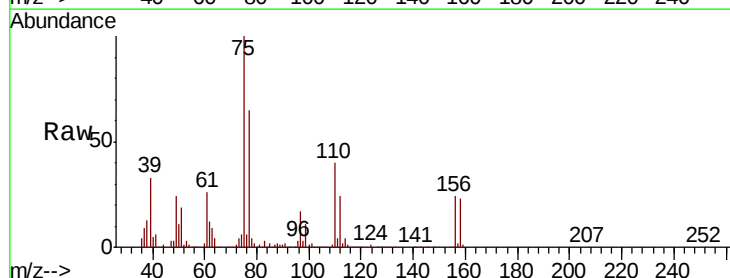
Acq: 01 May 2020 19:41

Tgt Ion: 75 Resp: 673512

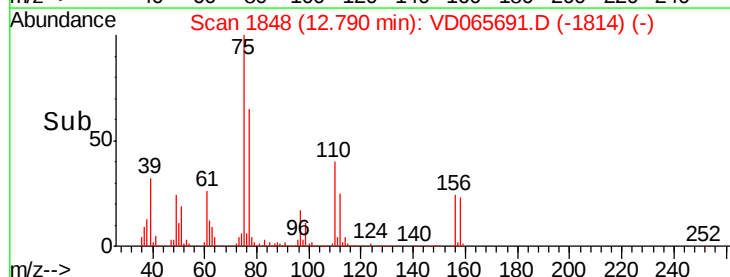
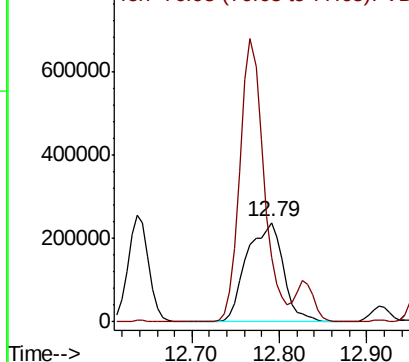
Ion Ratio Lower Upper

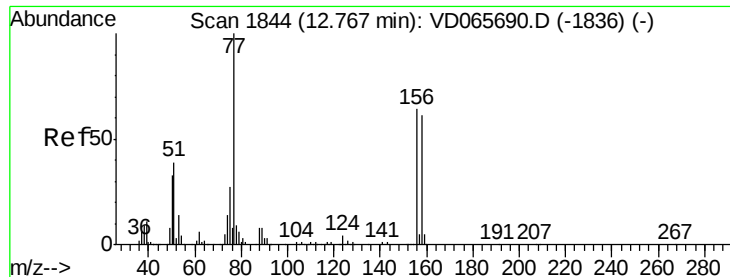
75 100

77 64.5 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: 87.741 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampled :

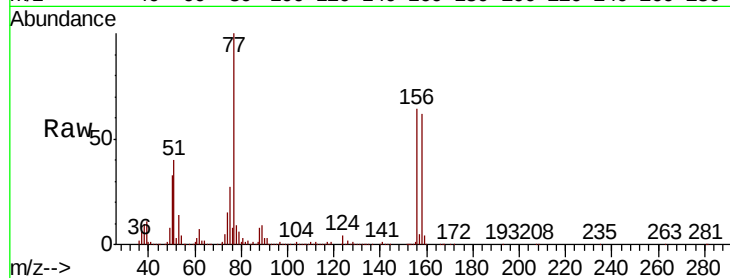
Tot Ion:156 Resp: 721391

Ion Ratio Lower Upper

156 100

77 156.9 78.4 235.2

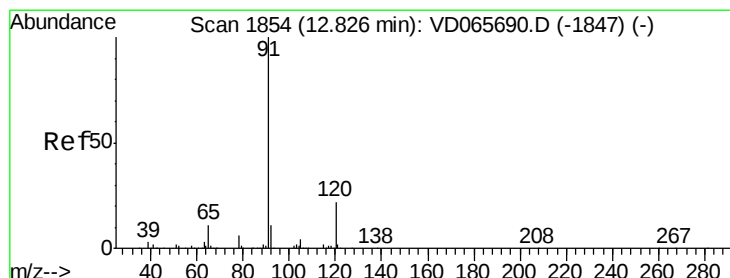
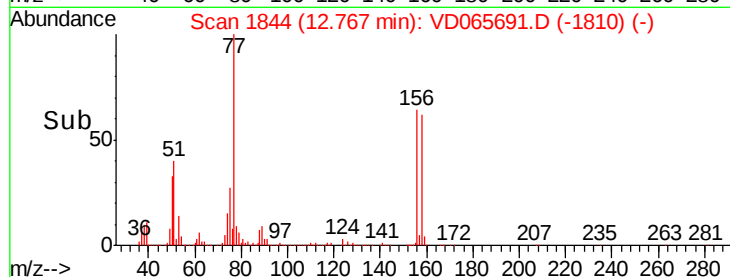
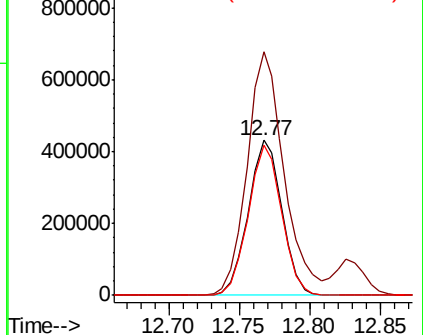
158 97.1 47.6 142.8



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: 105.441 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065691.D

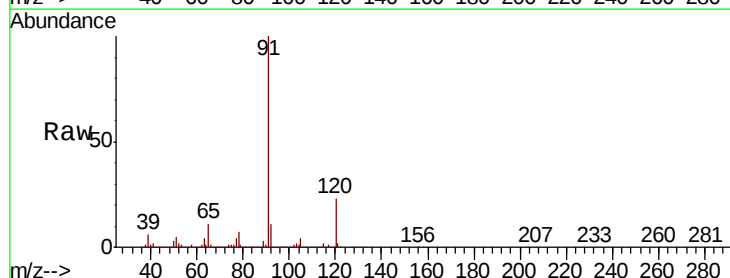
Acq: 01 May 2020 19:41

Tgt Ion: 91 Resp: 3572098

Ion Ratio Lower Upper

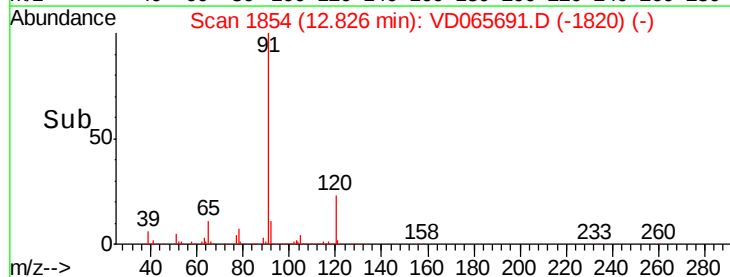
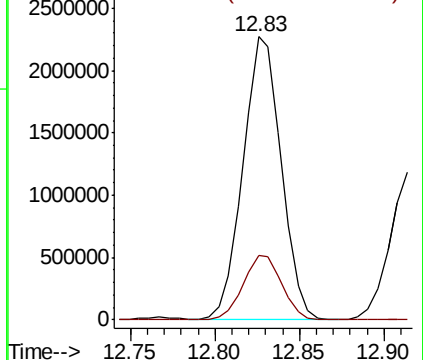
91 100

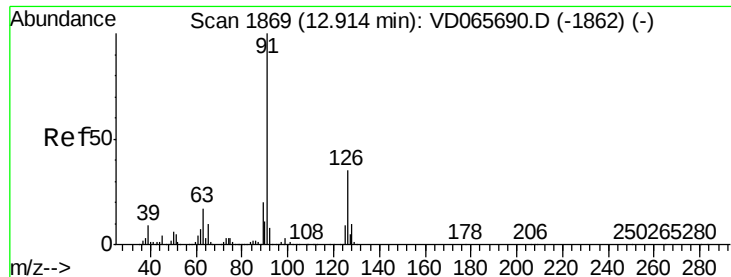
120 22.9 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 97.477 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

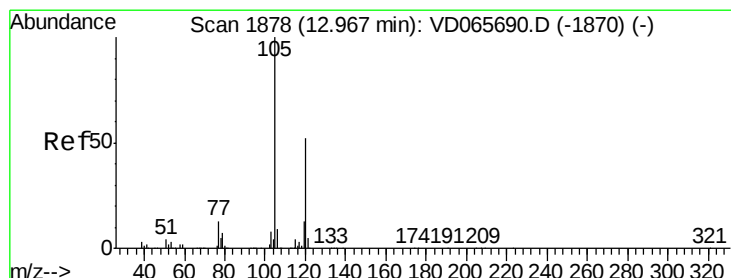
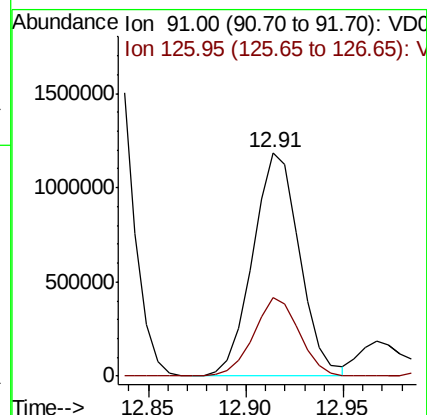
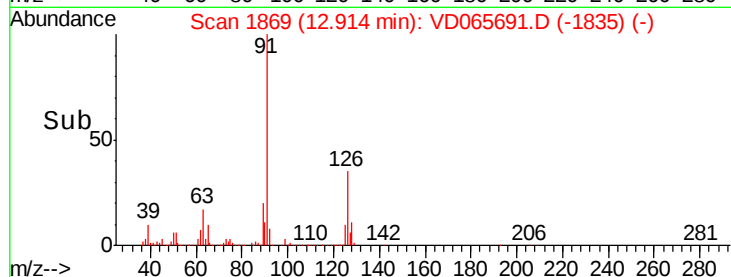
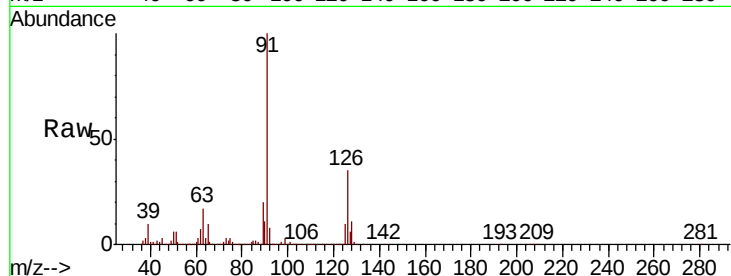
ClientSampleId :

Tot Ion: 91 Resp: 1965915

Ion Ratio Lower Upper

91 100

126 35.3 17.6 52.9



#80

1,3,5-Trimethylbenzene

Concen: 107.506 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065691.D

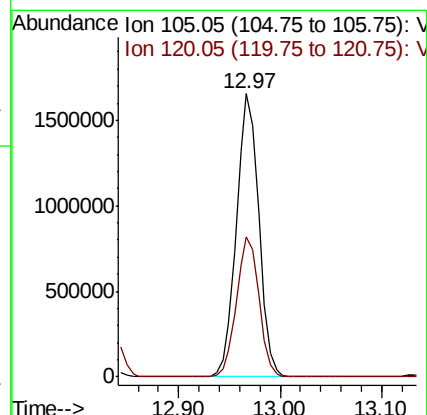
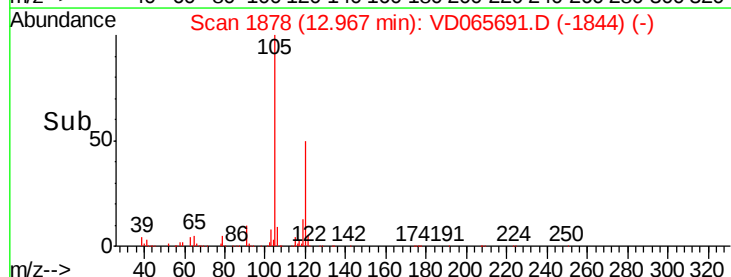
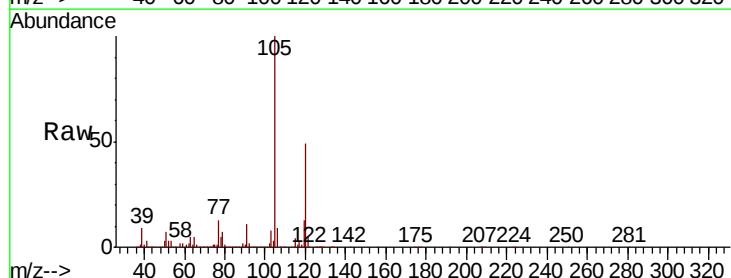
Acq: 01 May 2020 19:41

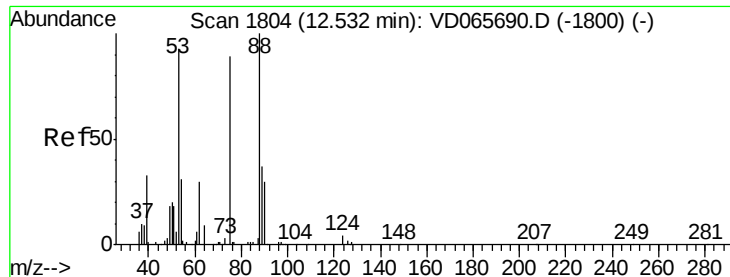
Tgt Ion:105 Resp: 2532453

Ion Ratio Lower Upper

105 100

120 49.5 25.9 77.7





#81

trans-1,4-Dichloro-2-butene

Concen: 99.773 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampled :

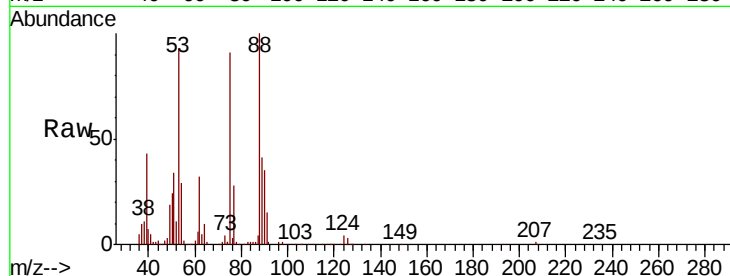
Tot Ion: 75 Resp: 167233

Ion Ratio Lower Upper

75 100

53 102.1 84.0 126.0

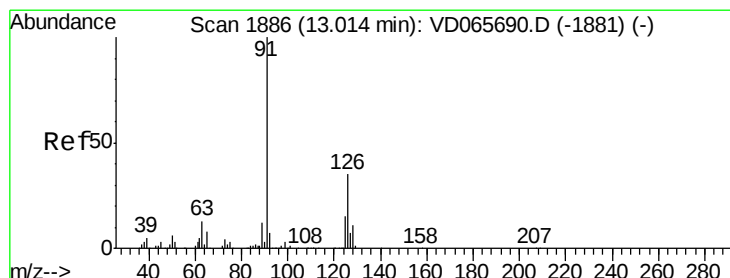
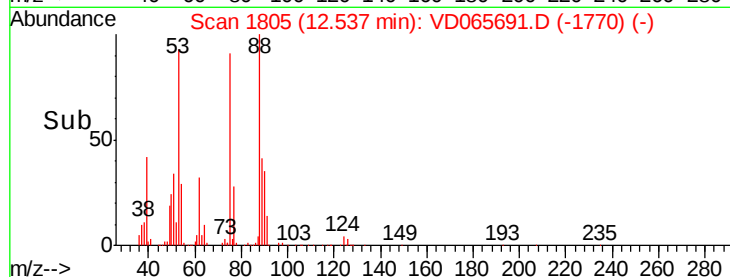
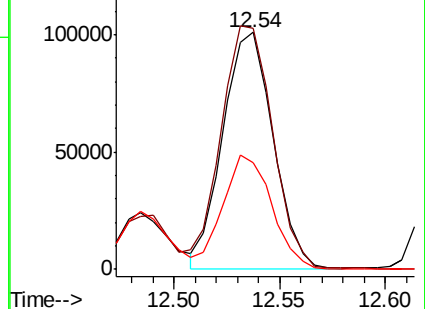
89 45.2 35.5 53.3



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: 95.754 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065691.D

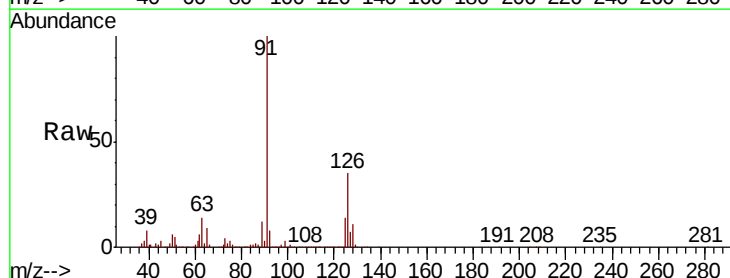
Acq: 01 May 2020 19:41

Tgt Ion: 91 Resp: 2113424

Ion Ratio Lower Upper

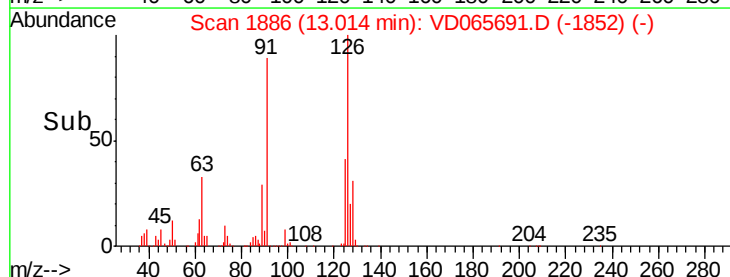
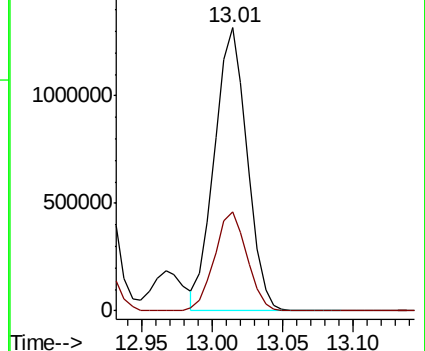
91 100

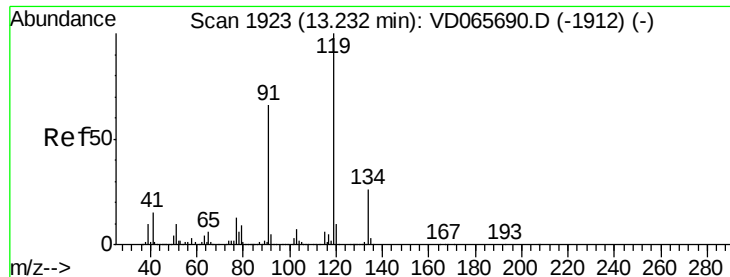
126 34.8 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 82.257 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

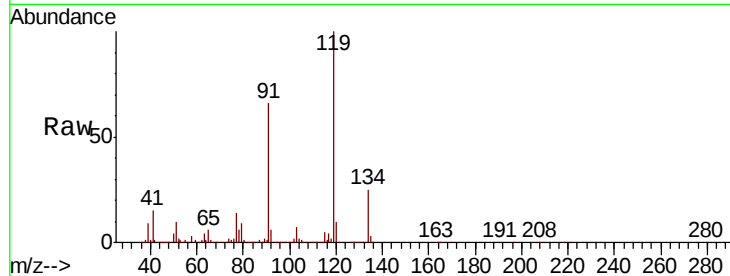
Tot Ion:119 Resp: 2119514

Ion Ratio Lower Upper

119 100

91 65.9 32.9 98.7

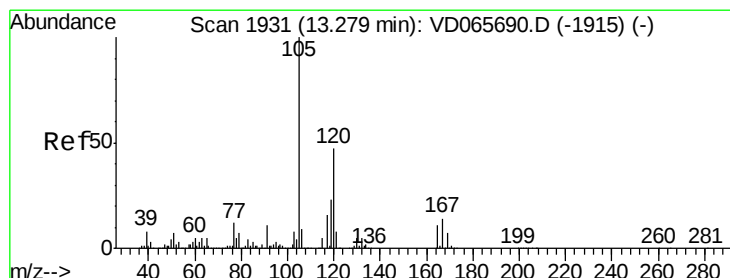
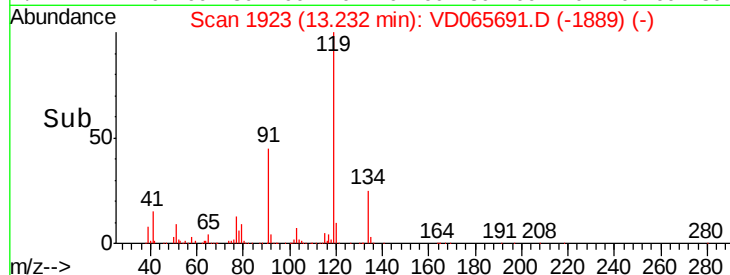
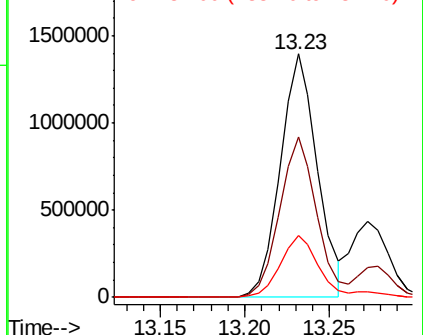
134 25.2 12.9 38.7



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: 115.874 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. -0.00 min

Lab File: VD065691.D

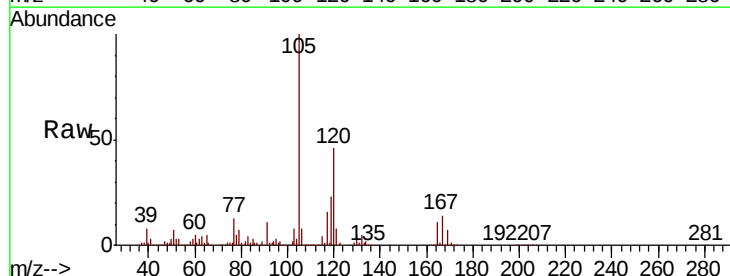
Acq: 01 May 2020 19:41

Tgt Ion:105 Resp: 2581165

Ion Ratio Lower Upper

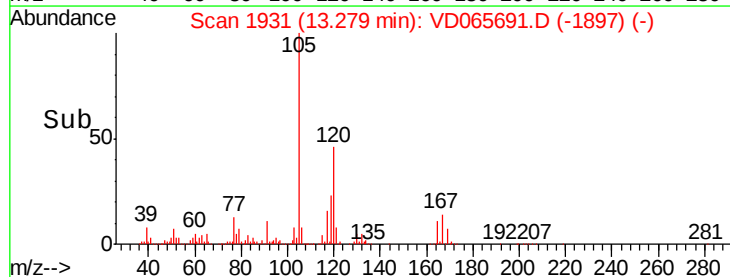
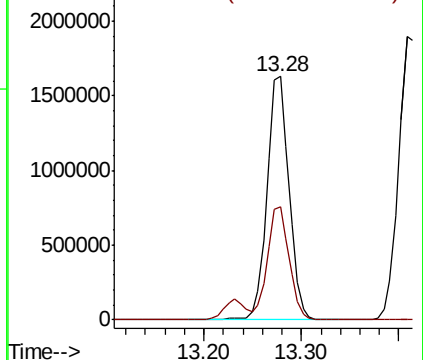
105 100

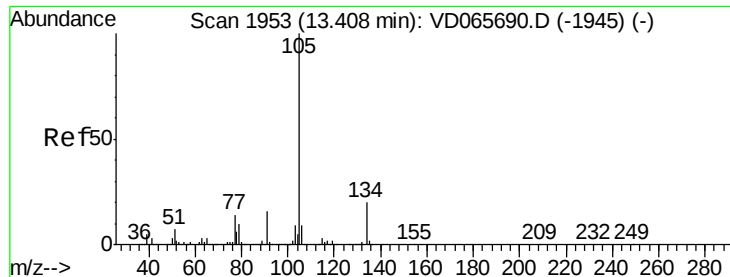
120 46.5 23.3 69.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 102.094 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

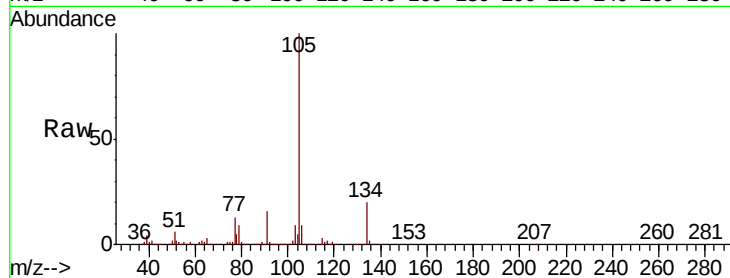
ClientSampleId :

Tot Ion:105 Resp: 2962826

Ion Ratio Lower Upper

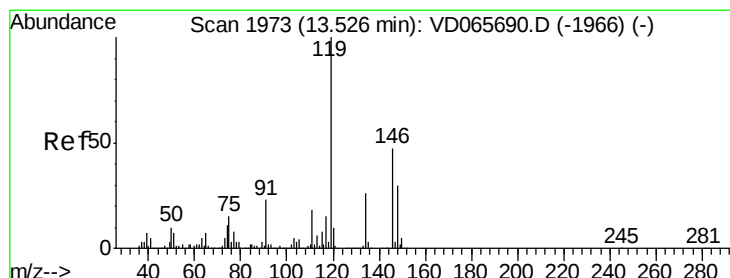
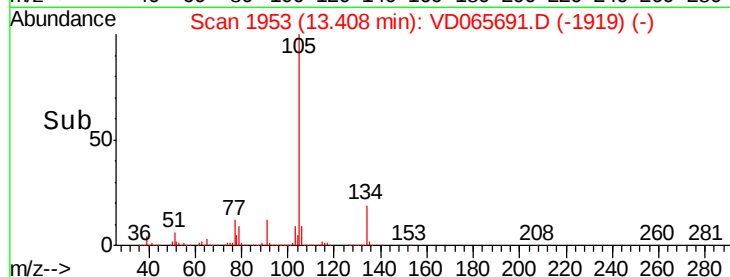
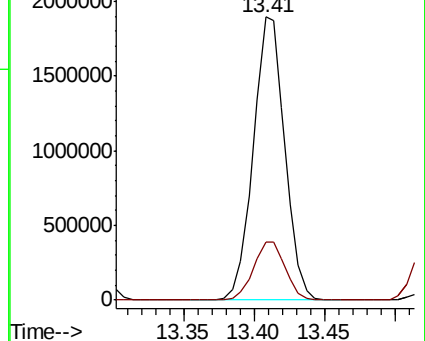
105 100

134 20.4 10.3 30.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 109.973 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

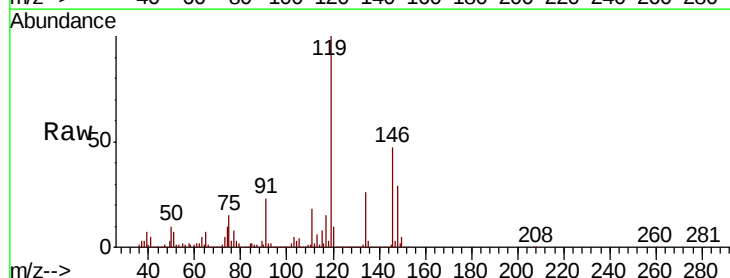
Tgt Ion:119 Resp: 2854904

Ion Ratio Lower Upper

119 100

134 25.7 13.1 39.3

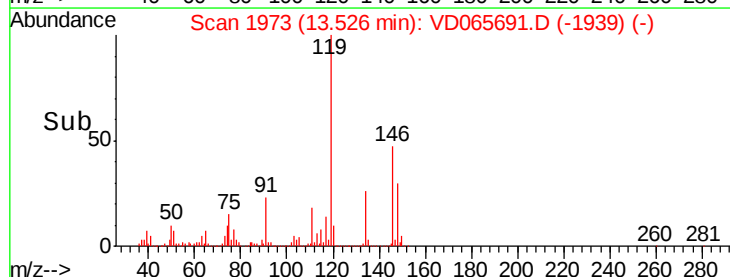
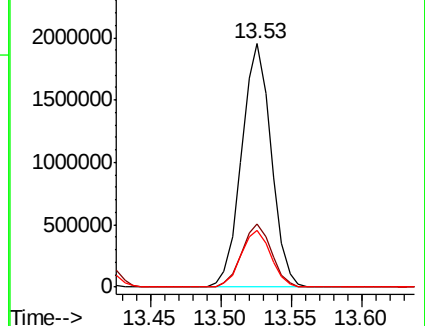
91 23.2 11.7 35.1

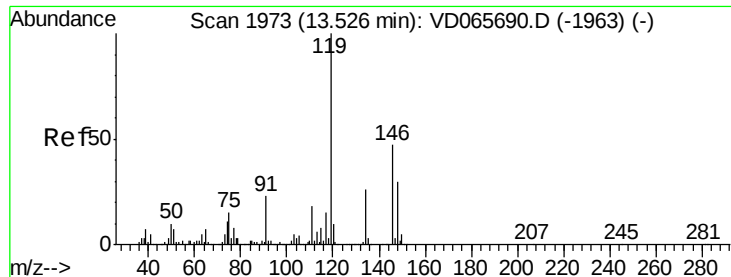


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 98.796 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

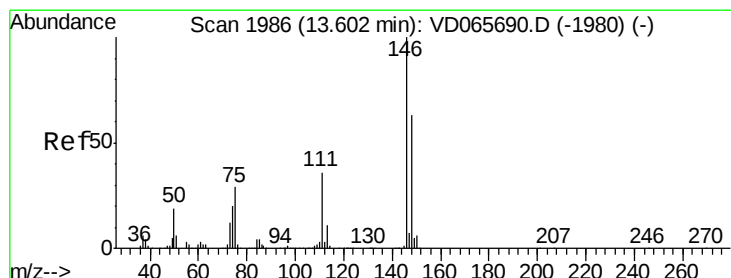
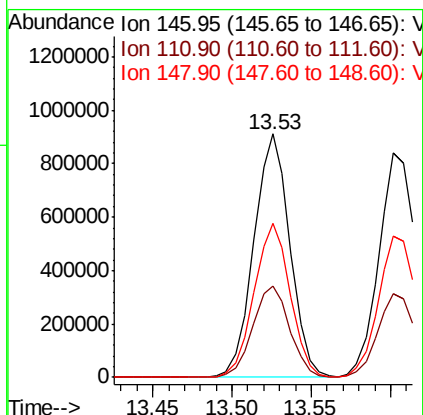
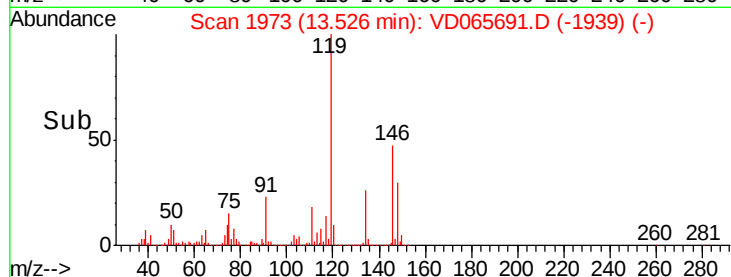
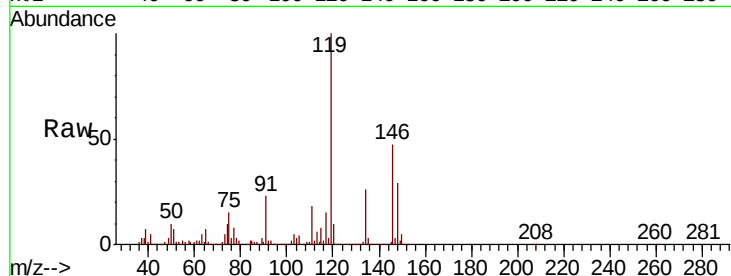
Tot Ion:146 Resp: 1438733

Ion Ratio Lower Upper

146 100

111 37.7 19.4 58.2

148 63.2 31.4 94.0



#88

1,4-Dichlorobenzene

Concen: 100.263 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

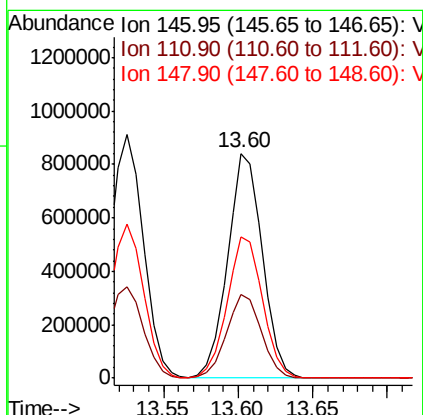
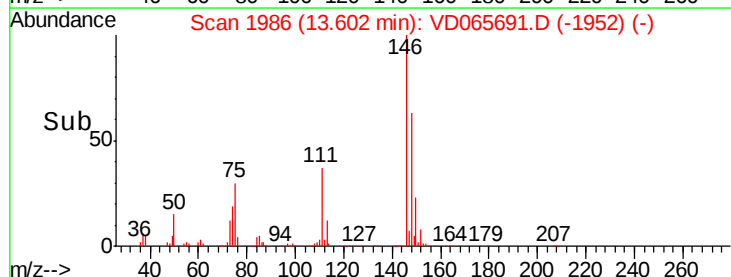
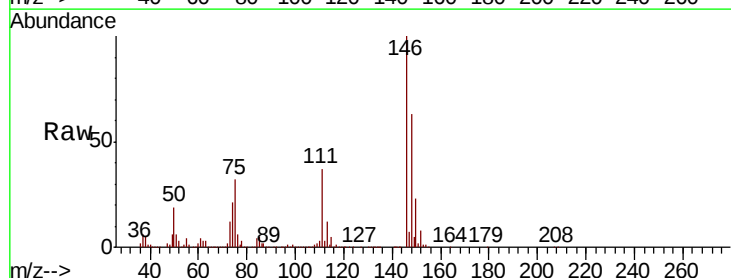
Tgt Ion:146 Resp: 1366728

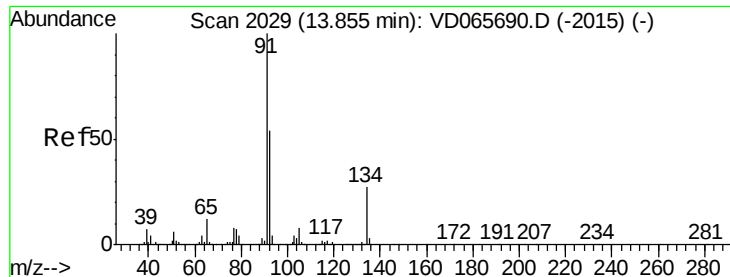
Ion Ratio Lower Upper

146 100

111 37.3 18.3 54.9

148 62.5 31.6 94.8





#89

n-Butylbenzene

Concen: 108.798 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampled :

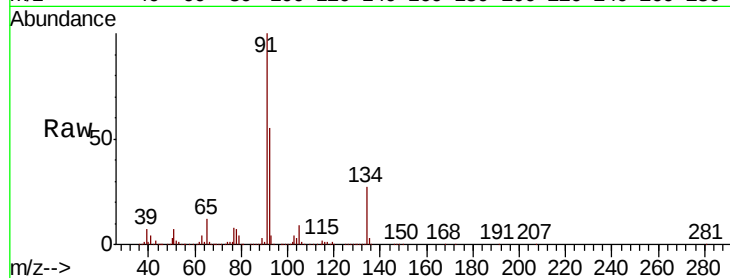
Tot Ion: 91 Resp: 2567101

Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.0	81.0
134	26.6	13.5	40.5

91 100

92 54.6 27.0 81.0

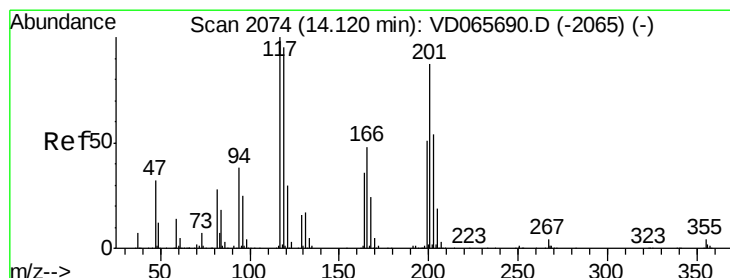
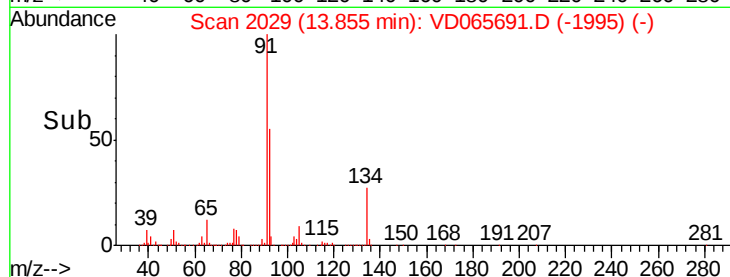
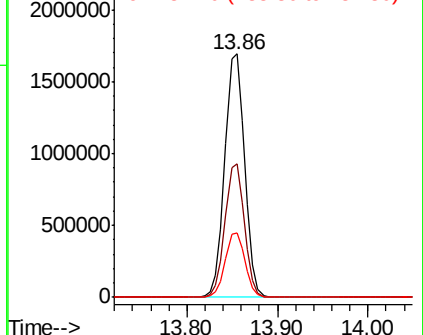
134 26.6 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 79.878 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD065691.D

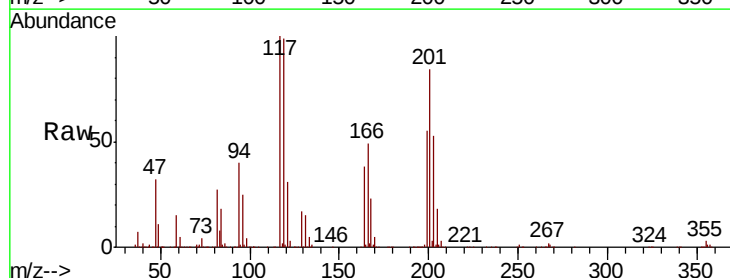
Acq: 01 May 2020 19:41

Tgt Ion: 117 Resp: 537294

Ion	Ratio	Lower	Upper
117	100		
201	84.3	43.7	131.1

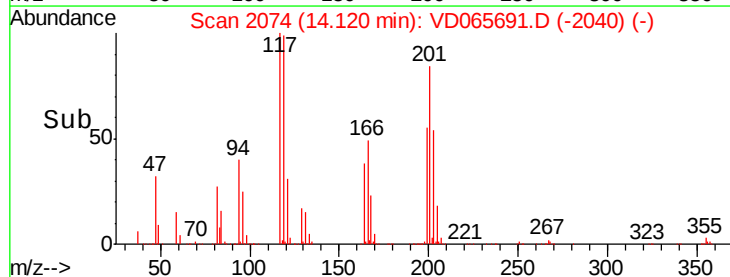
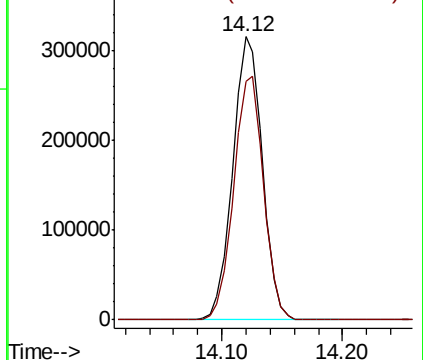
117 100

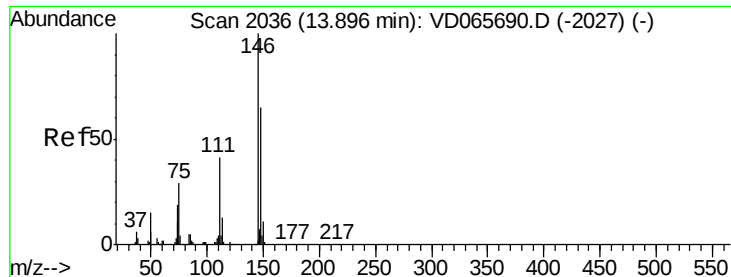
201 84.3 43.7 131.1



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 98.309 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

Instrument :

MSVOA_D

ClientSampled :

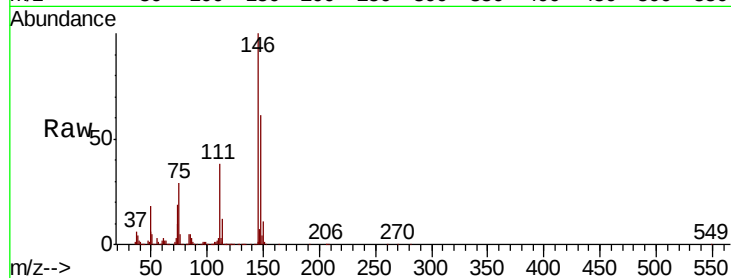
Tot Ion:146 Resp: 1192273

Ion Ratio Lower Upper

146 100

111 37.9 20.3 60.8

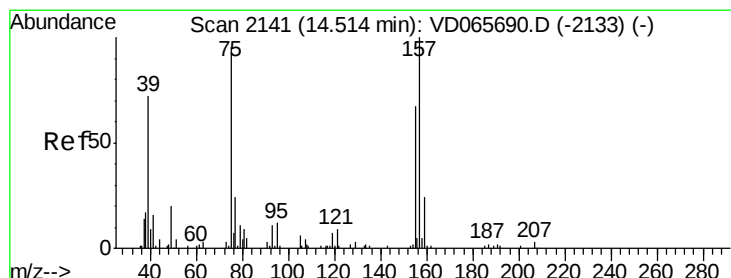
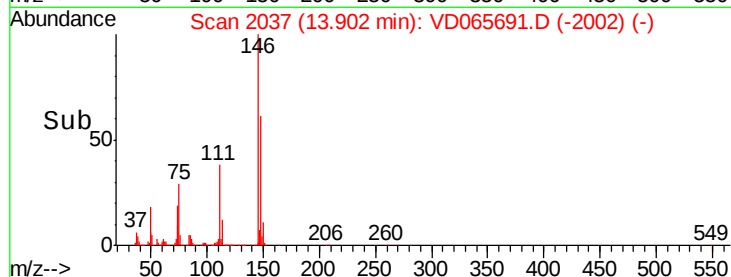
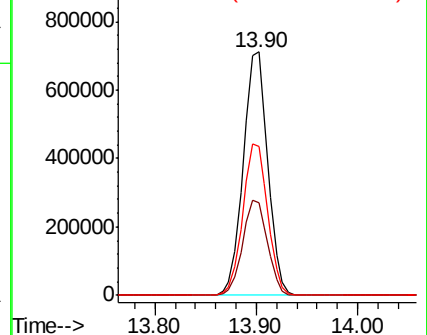
148 61.4 32.5 97.4



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: 106.752 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.01 min

Lab File: VD065691.D

Acq: 01 May 2020 19:41

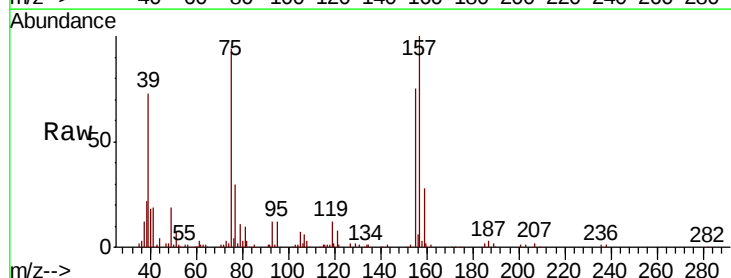
Tgt Ion: 75 Resp: 82618

Ion Ratio Lower Upper

75 100

155 79.3 35.4 106.3

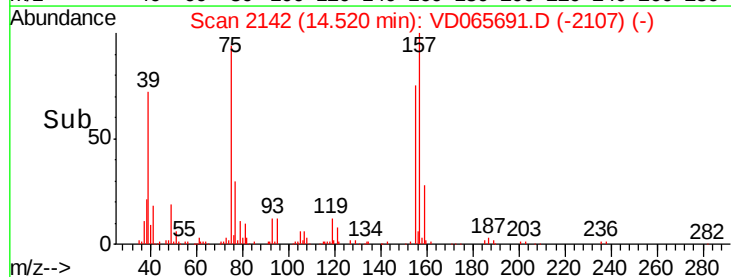
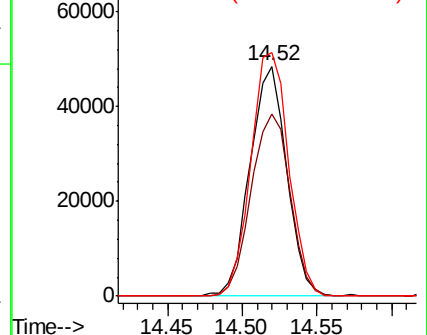
157 105.9 52.6 157.8

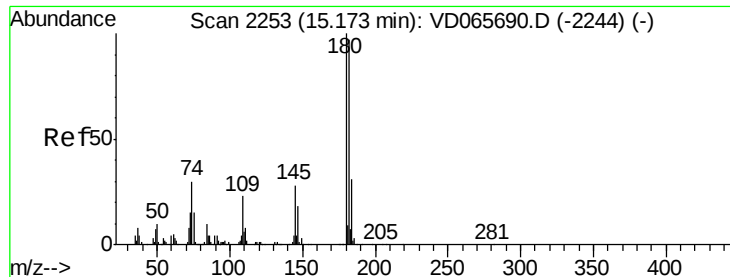


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

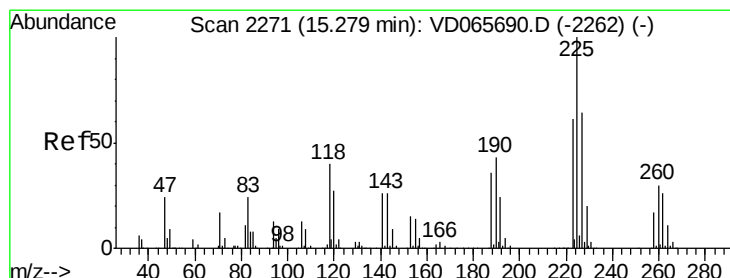
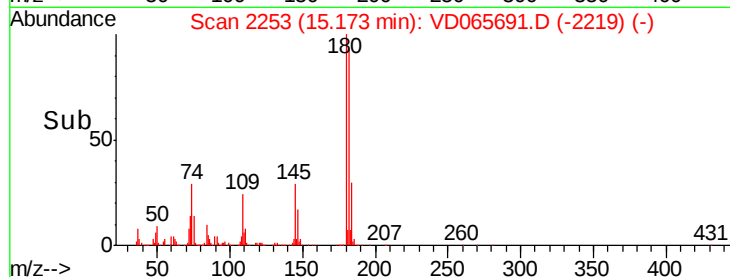
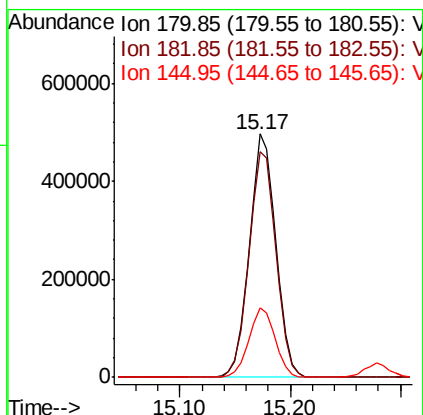
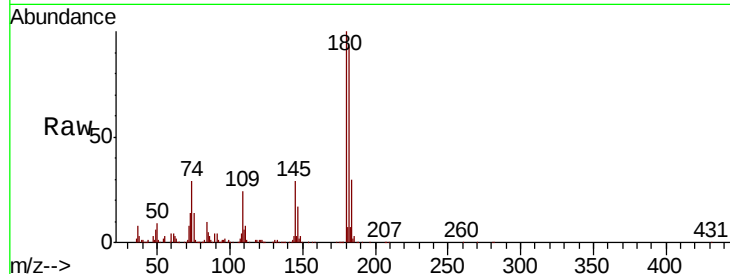




#93
 1,2,4-Trichlorobenzene
 Concen: 124.717 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065691.D
 Acq: 01 May 2020 19:41

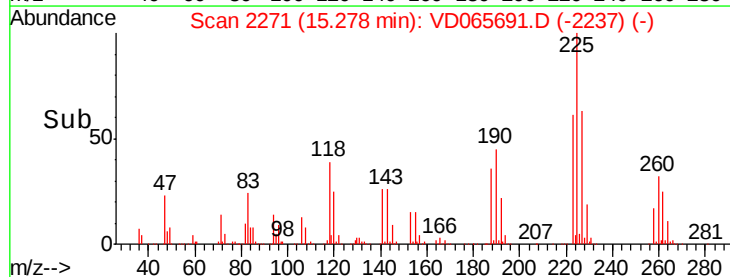
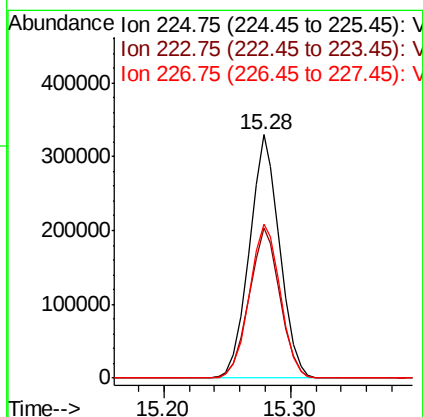
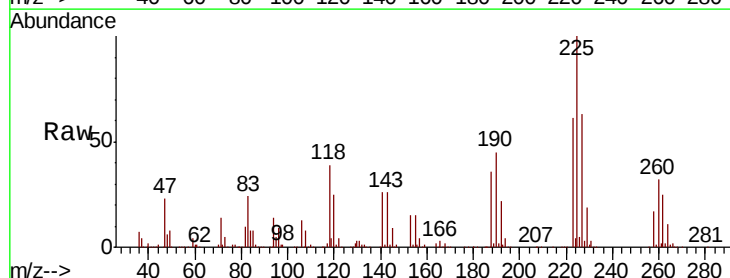
Instrument :
 MSVOA_D
 ClientSampleId :

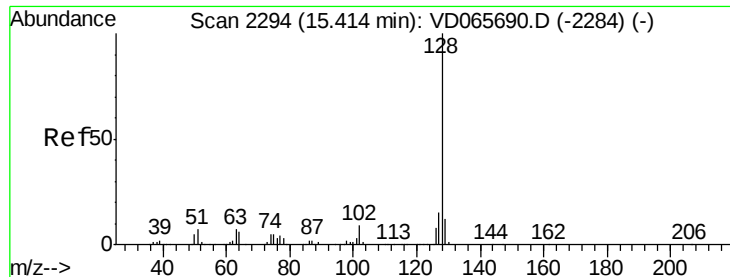
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	48.5	145.5
145	28.7	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 112.065 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065691.D
 Acq: 01 May 2020 19:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	30.4	91.3
227	63.4	32.0	96.0

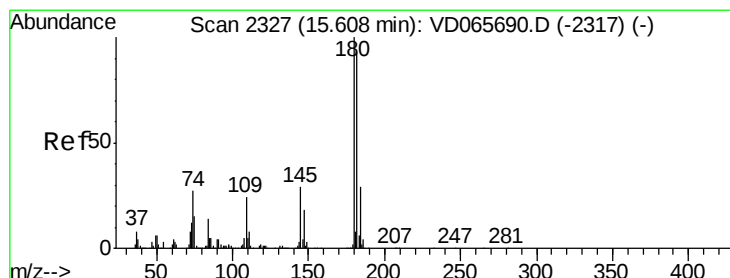
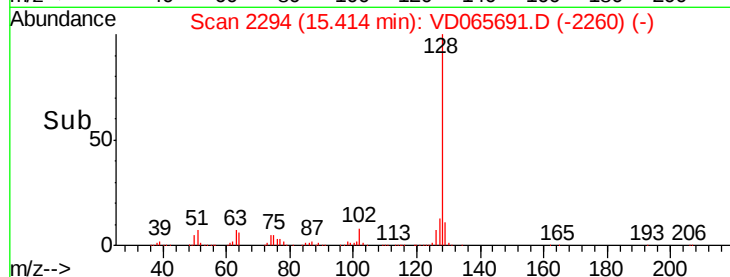
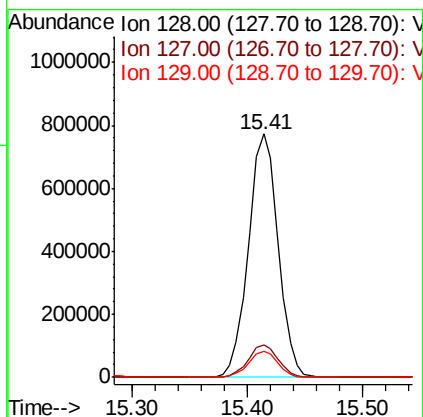
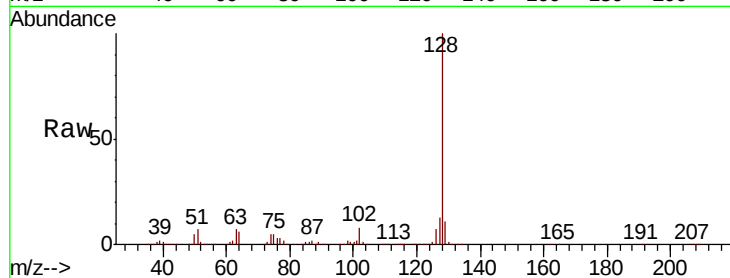




#95
Naphthalene
Concen: 127.740 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 1384373
Ion Ratio Lower Upper
128 100
127 13.4 11.8 17.6
129 10.8 9.6 14.4



#96
1,2,3-Trichlorobenzene
Concen: 175.128 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065691.D
Acq: 01 May 2020 19:41

Tgt Ion:180 Resp: 734748
Ion Ratio Lower Upper
180 100
182 92.4 46.6 139.7
145 29.9 14.5 43.6

