

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061220\
 Data File : VD065796.D
 Acq On : 12 Jun 2020 15:42
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 13 01:40:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	226500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	358914	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	332313	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	169679	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	115827	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
35) Dibromofluoromethane	7.91	113	112038	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
50) Toluene-d8	10.34	98	448524	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	
62) 4-Bromofluorobenzene	12.64	95	149431	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	62003	39.905	ug/l	96
3) Chloromethane	2.21	50	116319	45.307	ug/l	95
4) Vinyl Chloride	2.35	62	141758	42.421	ug/l	99
5) Bromomethane	2.77	94	102980	44.065	ug/l	100
6) Chloroethane	2.93	64	98186	43.454	ug/l	95
7) Trichlorofluoromethane	3.28	101	165693	43.764	ug/l	95
8) Diethyl Ether	3.71	74	42716	42.913	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	98049	43.431	ug/l	97
10) Methyl Iodide	4.30	142	98532	44.820	ug/l	98
11) Tert butyl alcohol	5.21	59	28665	224.926	ug/l	98
12) 1,1-Dichloroethene	4.06	96	91014	44.232	ug/l	98
13) Acrolein	3.91	56	24693	196.426	ug/l	97
14) Allyl chloride	4.71	41	154492	45.428	ug/l	98
15) Acrylonitrile	5.42	53	101586	224.697	ug/l	99
16) Acetone	4.16	43	107226	253.980	ug/l	100
17) Carbon Disulfide	4.41	76	290317	42.038	ug/l	99
18) Methyl Acetate	4.71	43	44005	45.914	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	219540	47.105	ug/l	91
20) Methylene Chloride	4.97	84	107423	47.708	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	107076	44.435	ug/l	97
22) Diisopropyl ether	6.36	45	331955	48.309	ug/l	97
23) Vinyl Acetate	6.30	43	953518	245.735	ug/l	99
24) 1,1-Dichloroethane	6.26	63	189680	45.304	ug/l	98
25) 2-Butanone	7.21	43	137027	235.014	ug/l	96
26) 2,2-Dichloropropane	7.20	77	170202	45.847	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	118592	45.751	ug/l	99
28) Bromochloromethane	7.54	49	79254	49.011	ug/l	95
29) Tetrahydrofuran	7.56	42	84047	228.076	ug/l	99
30) Chloroform	7.71	83	199736	46.025	ug/l	100
31) Cyclohexane	7.98	56	175996	43.848	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	184377	46.205	ug/l	99
36) 1,1-Dichloropropene	8.11	75	157384	45.776	ug/l	99
37) Ethyl Acetate	7.29	43	61527	45.433	ug/l	98
38) Carbon Tetrachloride	8.10	117	168386	46.537	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	189224	46.485	ug/l	98
40) Benzene	8.35	78	427542	45.487	ug/l	98
41) Methacrylonitrile	7.52	41	34427	42.694	ug/l #	81
42) 1,2-Dichloroethane	8.42	62	128218	45.211	ug/l	99
43) Isopropyl Acetate	8.45	43	123382	45.817	ug/l	99
44) Trichloroethene	9.11	130	118992	45.491	ug/l	95
45) 1,2-Dichloropropane	9.39	63	107562	45.544	ug/l	96
46) Dibromomethane	9.47	93	58177	45.420	ug/l	97
47) Bromodichloromethane	9.66	83	156132	45.488	ug/l	99
48) Methyl methacrylate	9.46	41	64331	49.352	ug/l	98
49) 1,4-Dioxane	9.46	88	12734	934.033	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	314837	238.591	ug/l	98
52) Toluene	10.40	92	285563	46.758	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	147862	47.573	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	173516	47.269	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	79657	46.544	ug/l	96
56) Ethyl methacrylate	10.66	69	97443	48.406	ug/l	97
57) 1,3-Dichloropropane	10.95	76	139462	47.035	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	263343	281.383	ug/l	99
59) 2-Hexanone	10.98	43	217027	243.950	ug/l	99
60) Dibromochloromethane	11.14	129	109702	47.449	ug/l	99
61) 1,2-Dibromoethane	11.25	107	78587	46.724	ug/l	98
64) Tetrachloroethene	10.88	164	101903	45.348	ug/l	98
65) Chlorobenzene	11.67	112	296268	45.667	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	114170	47.212	ug/l	98
67) Ethyl Benzene	11.74	91	547438	47.236	ug/l	99
68) m/p-Xylenes	11.86	106	429234	96.153	ug/l	99
69) o-Xylene	12.18	106	195083	48.468	ug/l	100
70) Styrene	12.20	104	344301	49.413	ug/l	99
71) Bromoform	12.36	173	63038	47.338	ug/l #	98
73) Isopropylbenzene	12.48	105	535707	47.089	ug/l	100
74) N-amyl acetate	12.29	43	116893	46.185	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	87651	45.621	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	112658	85.372	ug/l #	100
77) Bromobenzene	12.77	156	122520	45.518	ug/l	98
78) n-propylbenzene	12.83	91	645608	47.146	ug/l	99
79) 2-Chlorotoluene	12.91	91	355079	47.267	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	455674	48.133	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	28793	47.143	ug/l	97
82) 4-Chlorotoluene	13.01	91	382817	47.476	ug/l	100
83) tert-Butylbenzene	13.23	119	393750	47.934	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	454229	47.936	ug/l	100
85) sec-Butylbenzene	13.41	105	544512	47.631	ug/l	99
86) p-Isopropyltoluene	13.52	119	507413	48.427	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	245865	46.326	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	242918	46.013	ug/l	99
89) n-Butylbenzene	13.85	91	481093	48.142	ug/l	98
90) Hexachloroethane	14.12	117	100957	48.137	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	211491	46.303	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14051	43.944	ug/l	96

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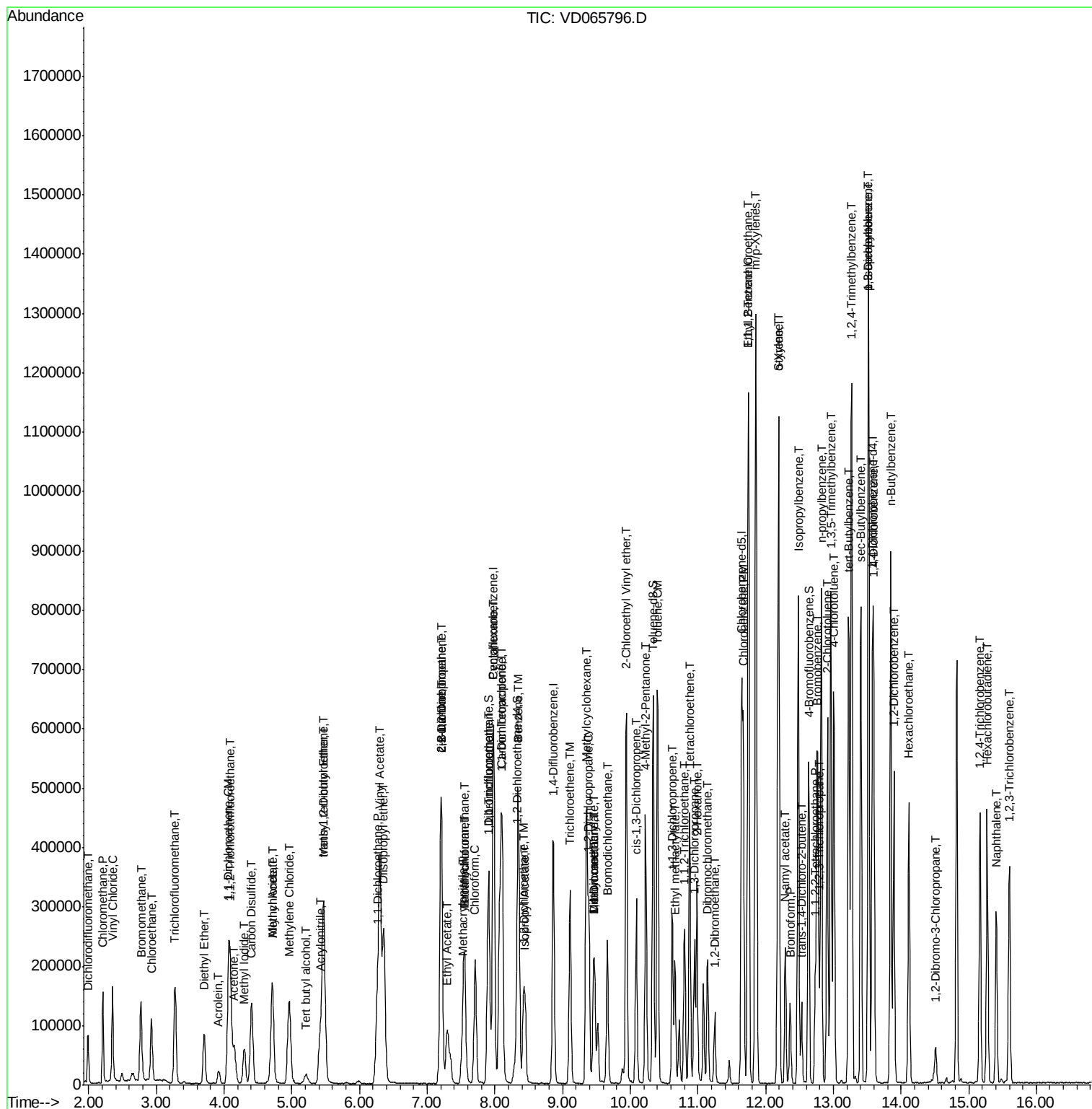
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	151278	48.712	ug/l	97
94) Hexachlorobutadiene	15.28	225	86002	45.810	ug/l	98
95) Naphthalene	15.41	128	248195	47.181	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	124535	46.560	ug/l	99

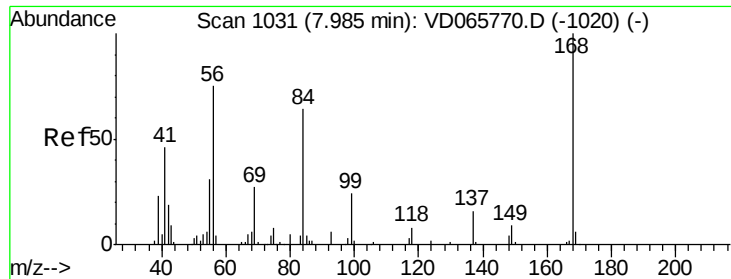
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

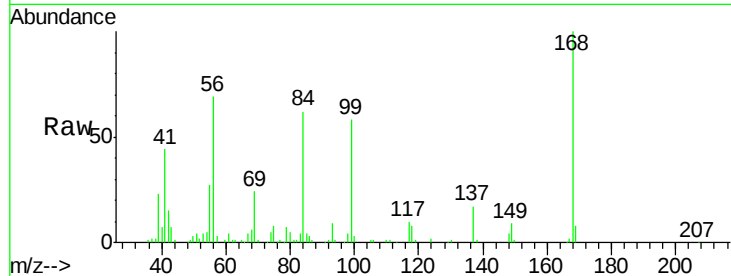
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 226500

Ion Ratio Lower Upper

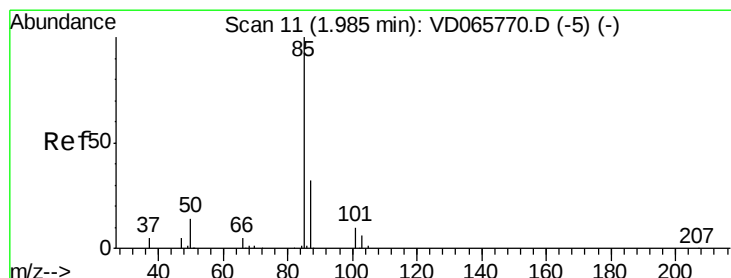
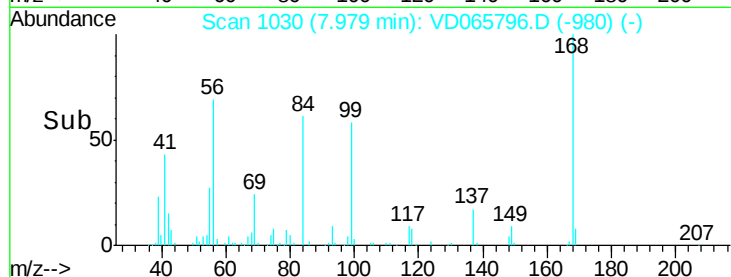
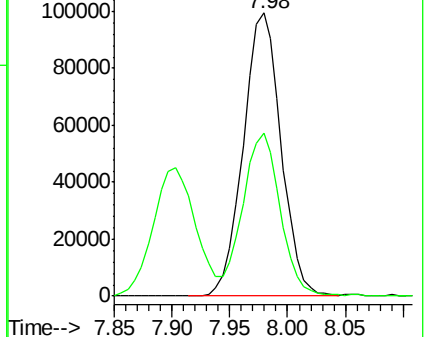
168 100

99 57.1 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 39.905 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD065796.D

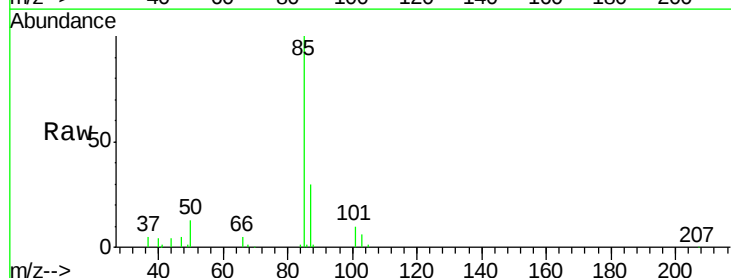
Acq: 12 Jun 2020 15:42

Tgt Ion: 85 Resp: 62003

Ion Ratio Lower Upper

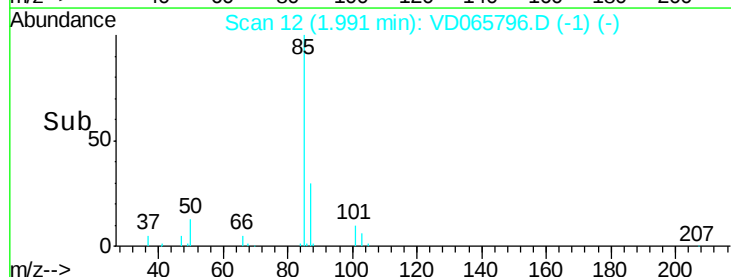
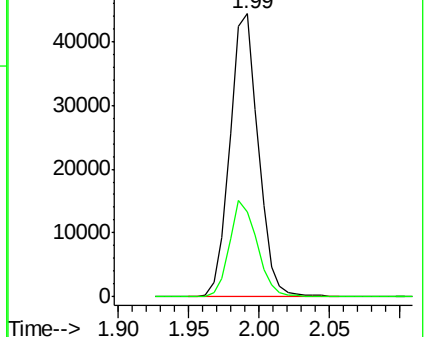
85 100

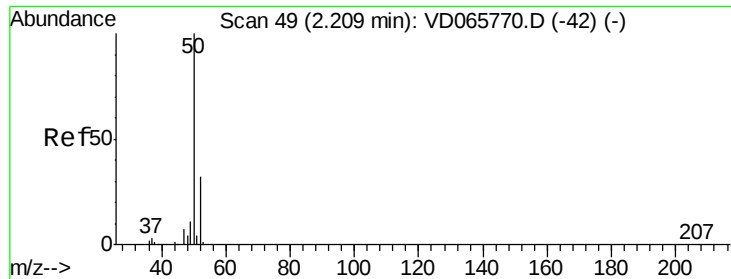
87 29.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.307 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

Instrument :

MSVOA_D

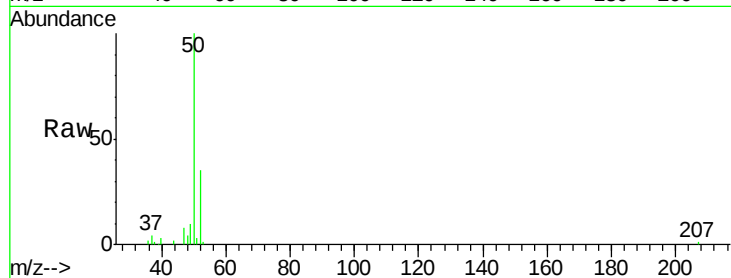
ClientSampleId :

Tot Ion: 50 Resp: 116319

Ion Ratio Lower Upper

50 100

52 34.5 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

100000

80000

60000

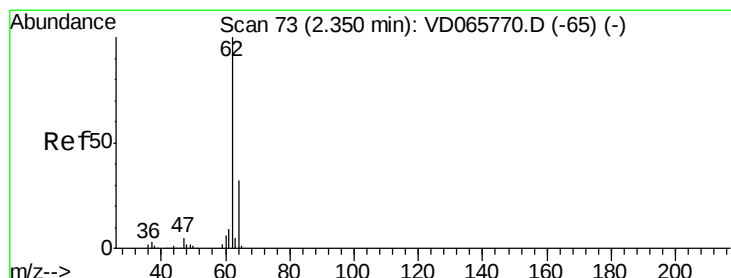
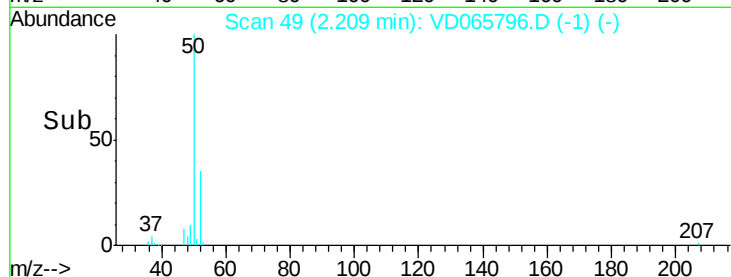
40000

20000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 42.421 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065796.D

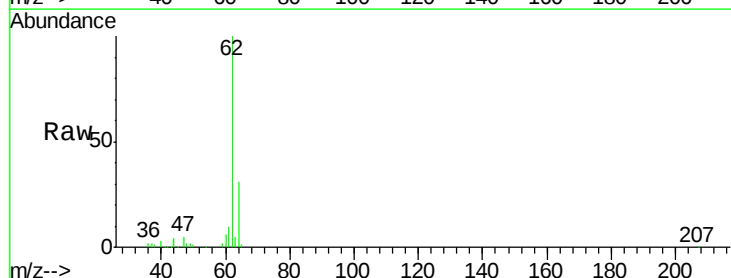
Acq: 12 Jun 2020 15:42

Tgt Ion: 62 Resp: 141758

Ion Ratio Lower Upper

62 100

64 31.2 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

100000

80000

60000

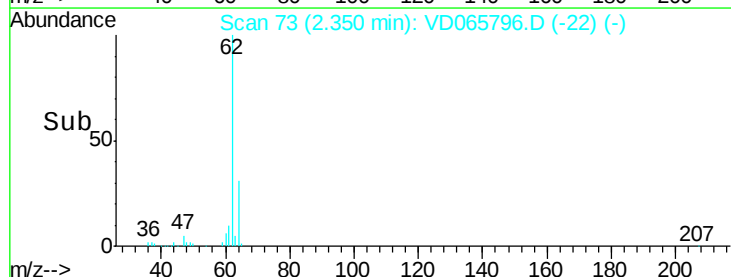
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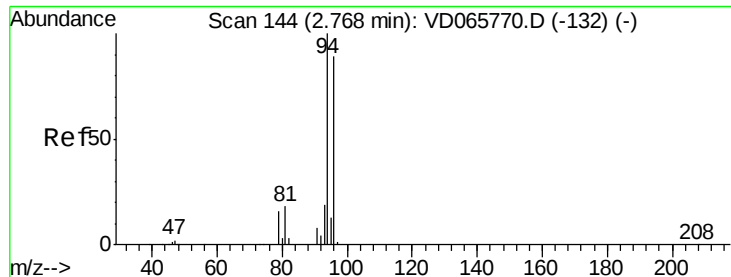
20000

0

Time-->

2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 44.065 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

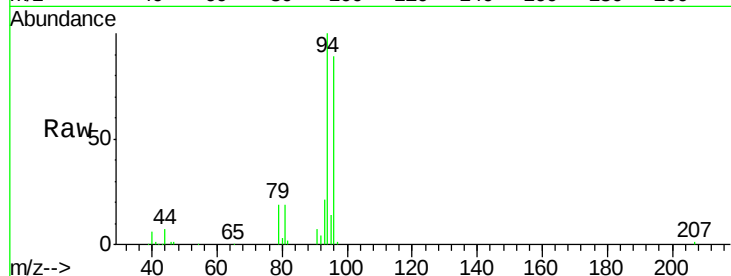
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 94 Resp: 102980

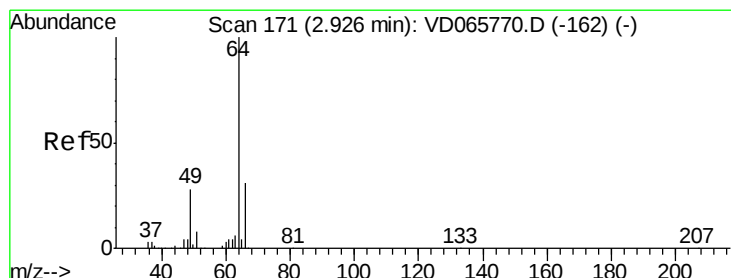
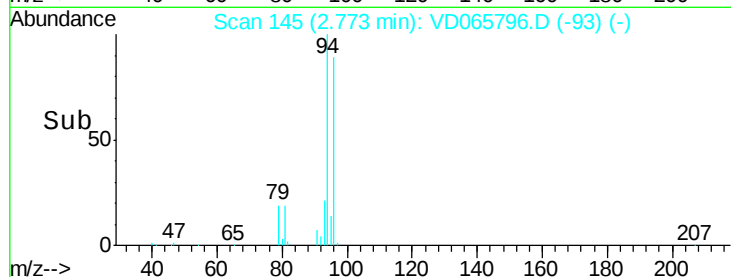
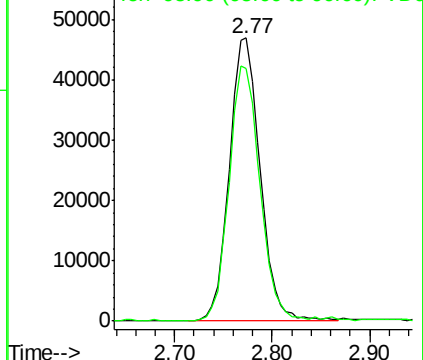
Ion Ratio Lower Upper

94 100

96 89.4 71.4 107.0



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 43.454 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065796.D

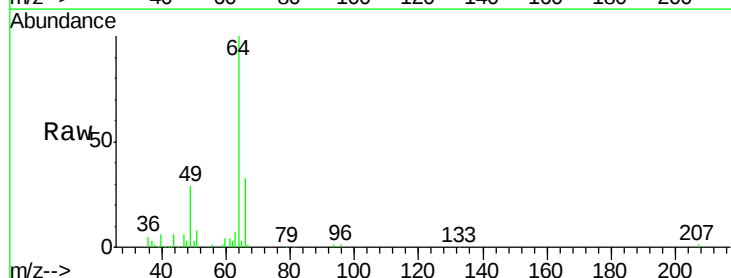
Acq: 12 Jun 2020 15:42

Tgt Ion: 64 Resp: 98186

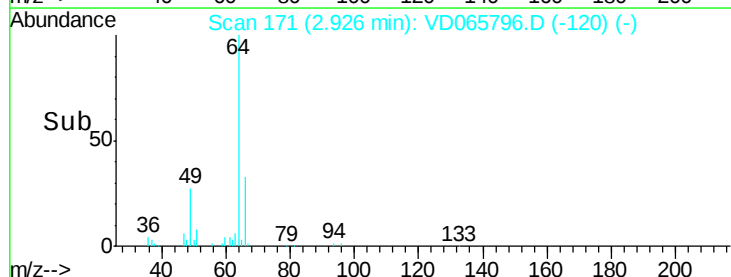
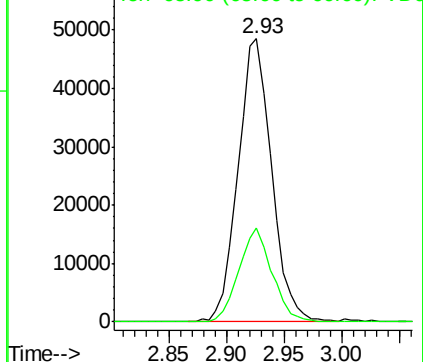
Ion Ratio Lower Upper

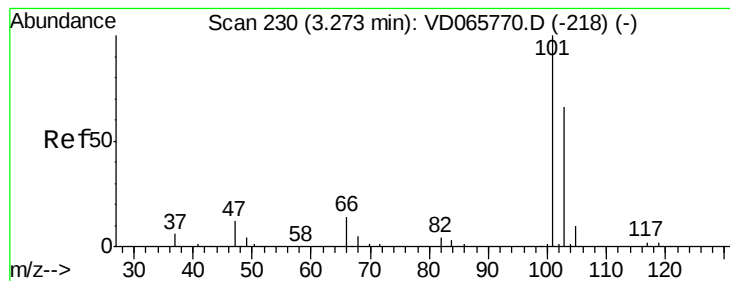
64 100

66 33.4 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



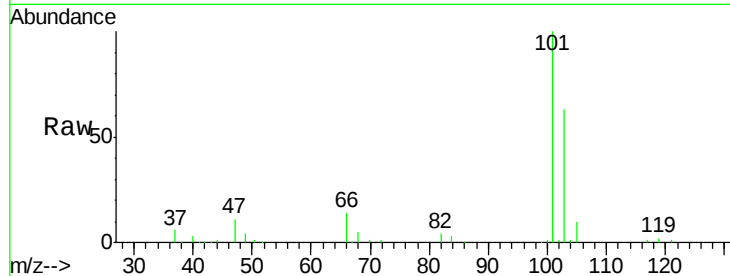


#7

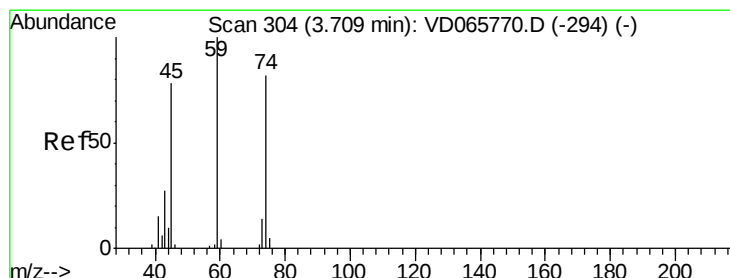
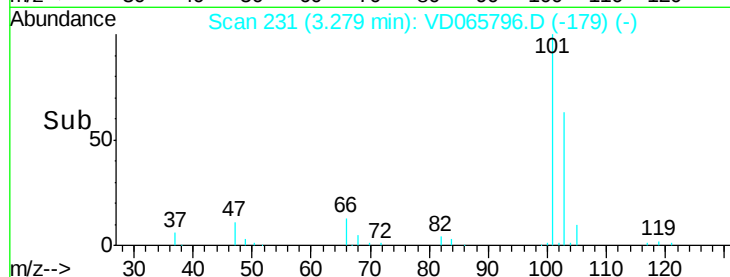
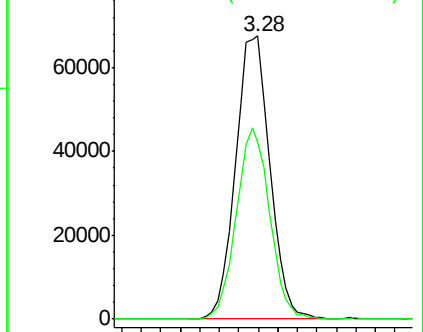
Trichlorofluoromethane
 Concen: 43.764 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD065796.D
 Acq: 12 Jun 2020 15:42

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 165693
 Ion Ratio Lower Upper
 101 100
 103 62.6 53.1 79.7



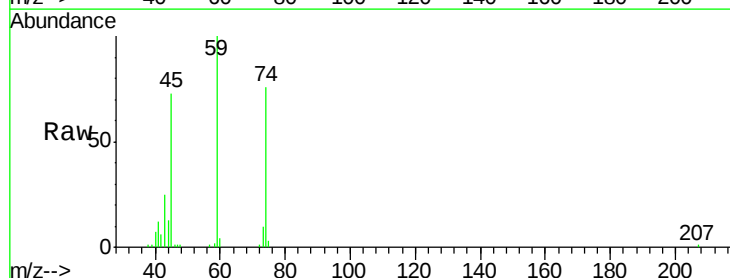
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



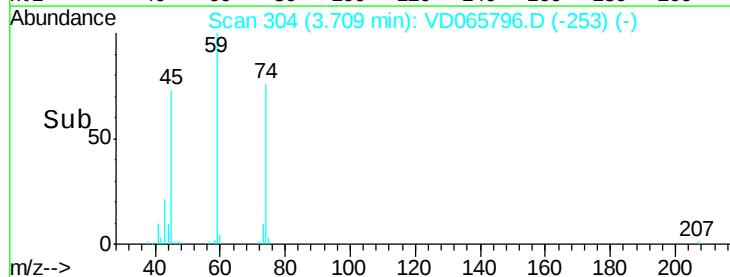
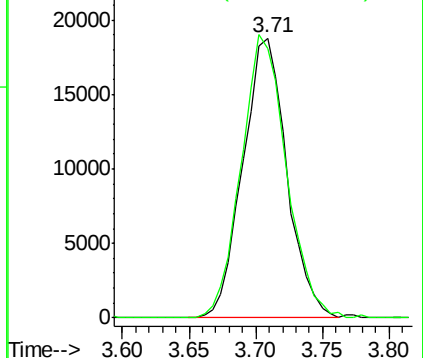
#8

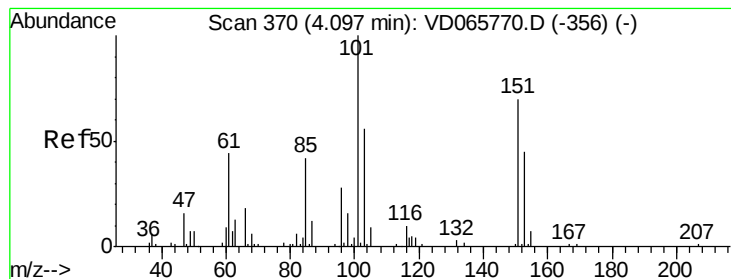
Diethyl Ether
 Concen: 42.913 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065796.D
 Acq: 12 Jun 2020 15:42

Tgt Ion: 74 Resp: 42716
 Ion Ratio Lower Upper
 74 100
 45 104.0 47.9 143.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.431 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

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ClientSampleId :

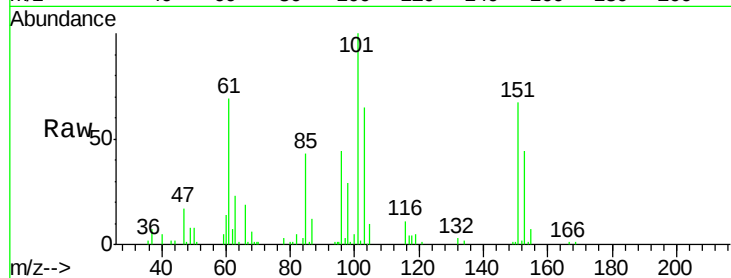
Tot Ion:101 Resp: 98049

Ion Ratio Lower Upper

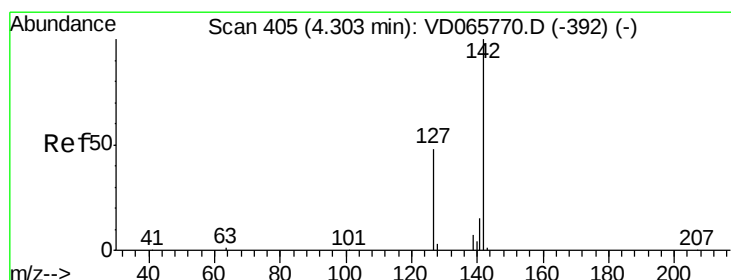
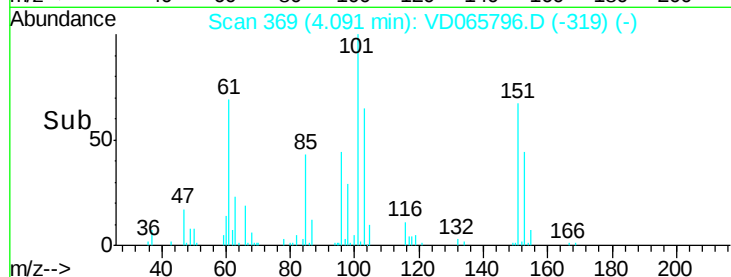
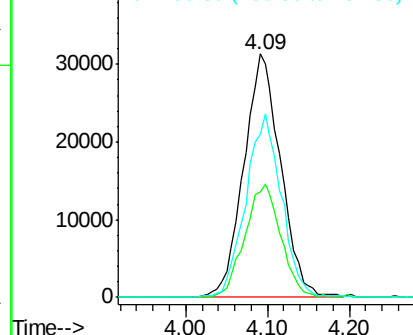
101 100

85 45.2 36.5 54.7

151 73.1 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.820 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

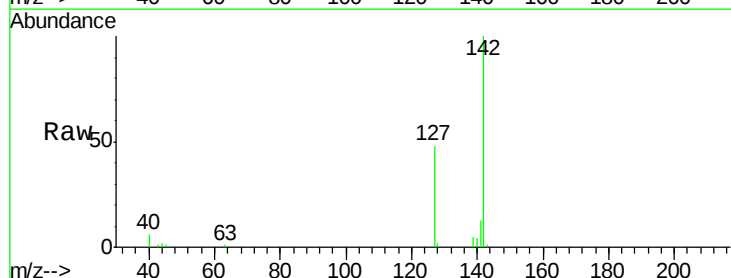
Tgt Ion:142 Resp: 98532

Ion Ratio Lower Upper

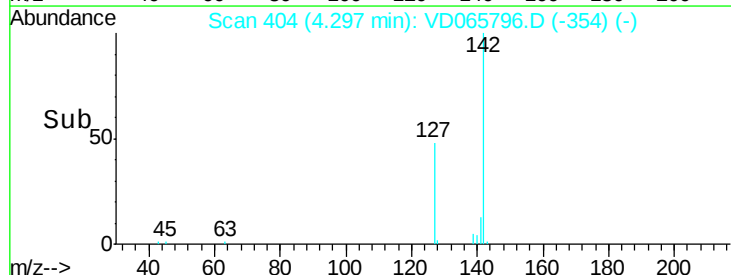
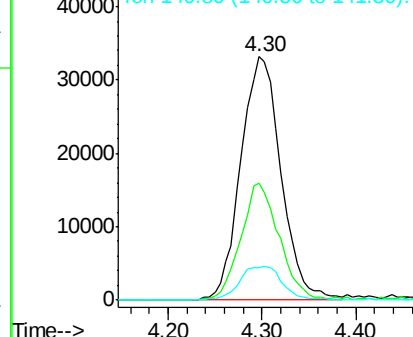
142 100

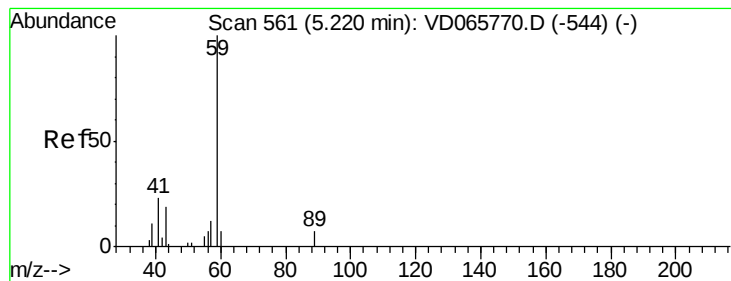
127 45.6 37.6 56.4

141 14.7 12.1 18.1



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 224.926 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

Instrument :

MSVOA_D

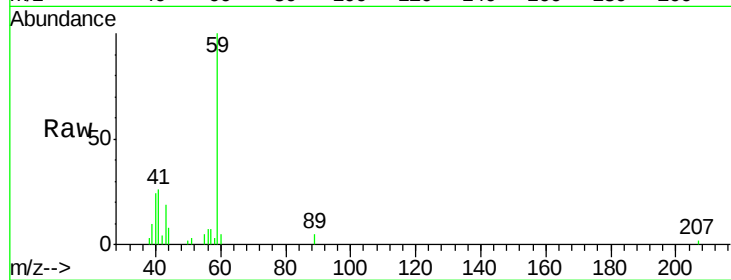
ClientSampleId :

Tot Ion: 59 Resp: 28665

Ion Ratio Lower Upper

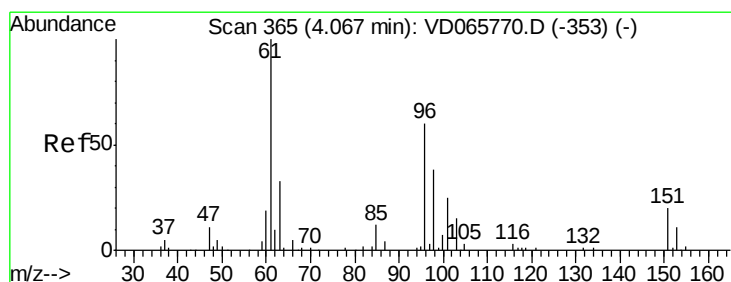
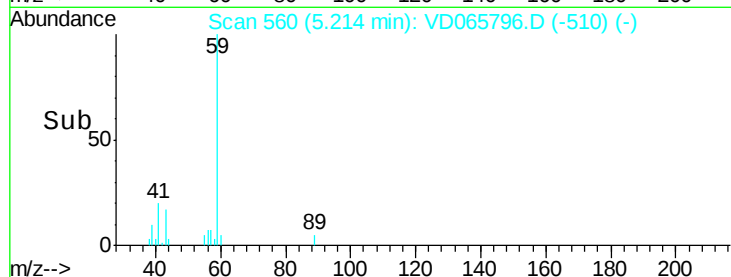
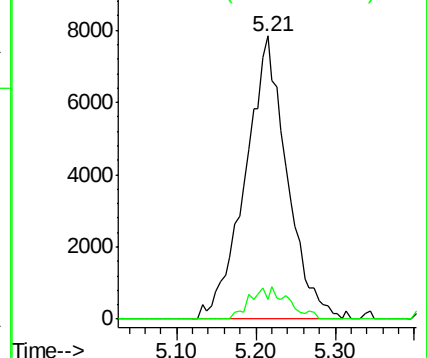
59 100

57 10.1 7.5 11.3



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 44.232 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

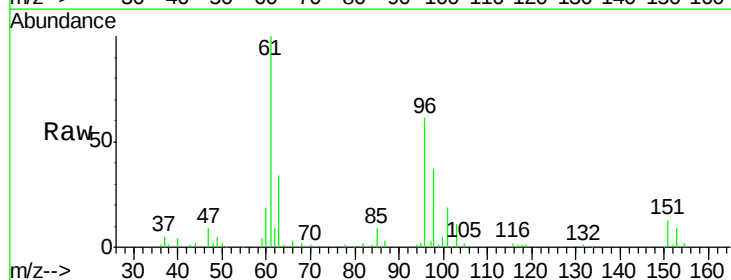
Tgt Ion: 96 Resp: 91014

Ion Ratio Lower Upper

96 100

61 163.7 132.3 198.5

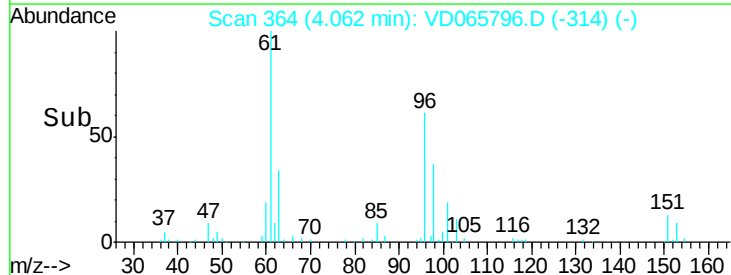
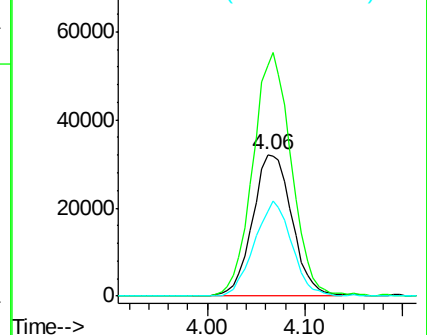
98 60.5 50.7 76.1

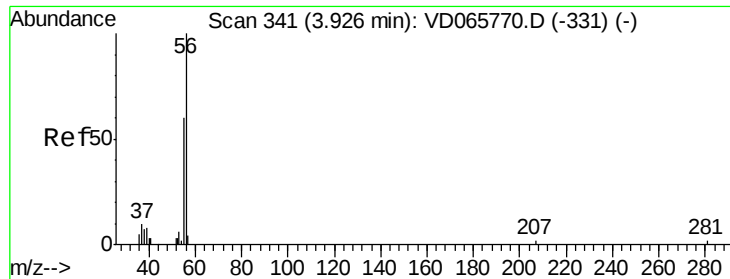


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 196.426 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

Instrument :

MSVOA_D

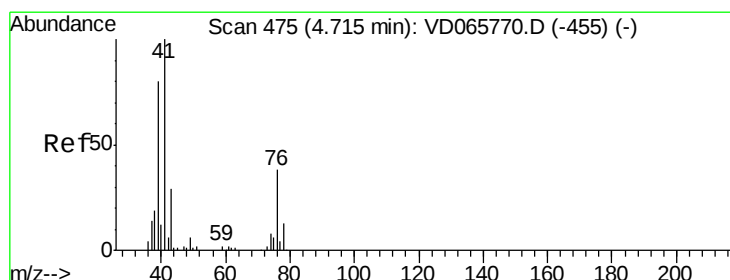
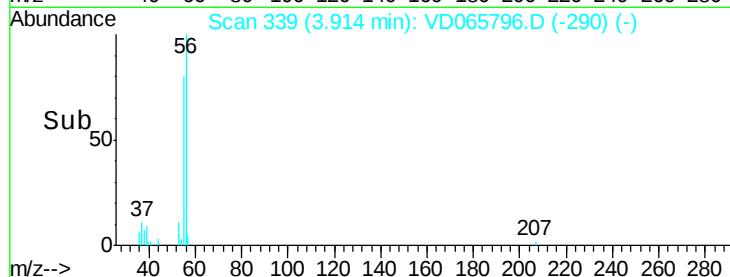
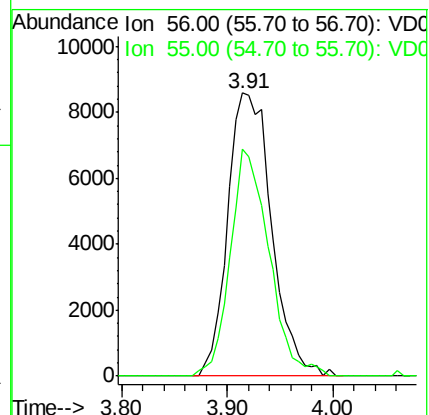
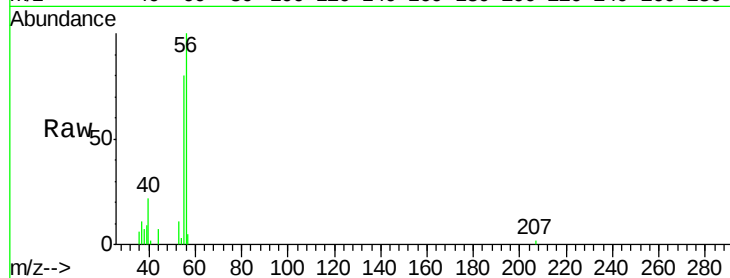
ClientSampleId :

Tot Ion: 56 Resp: 24693

Ion Ratio Lower Upper

56 100

55 71.0 54.8 82.2



#14

Allyl chloride

Concen: 45.428 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

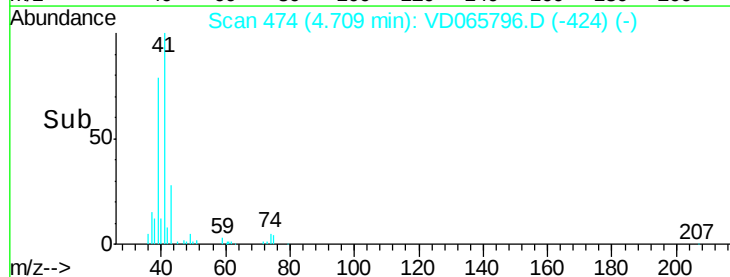
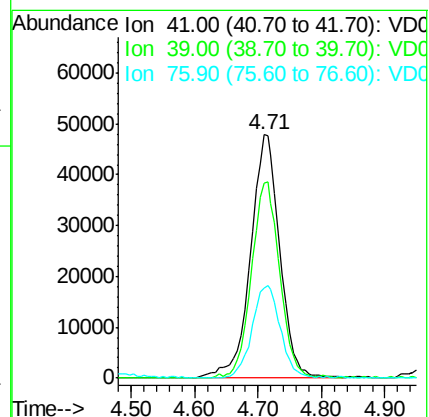
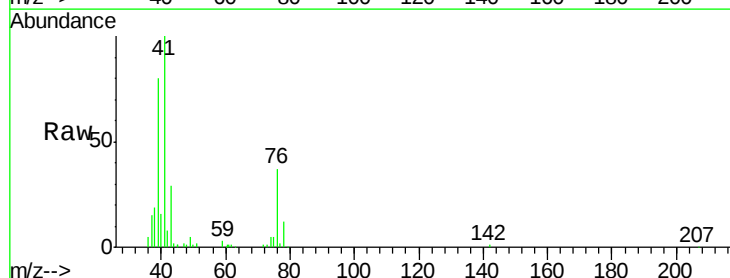
Tgt Ion: 41 Resp: 154492

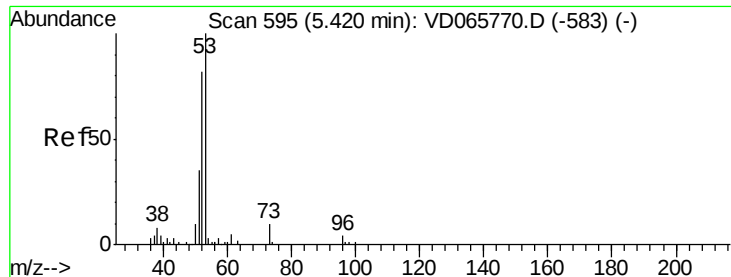
Ion Ratio Lower Upper

41 100

39 77.8 60.9 91.3

76 36.8 28.9 43.3





#15

Acrylonitrile

Concen: 224.697 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

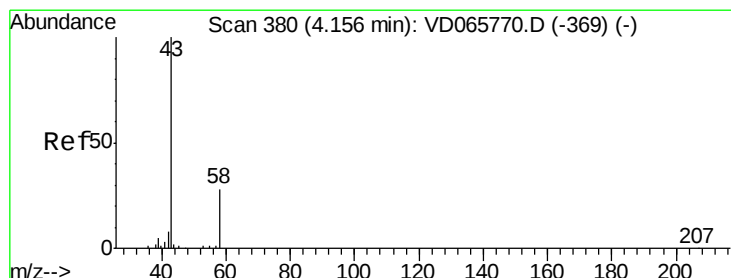
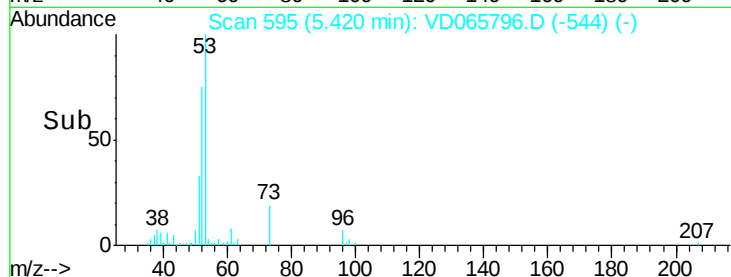
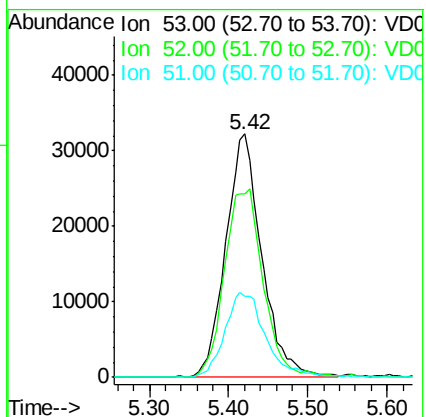
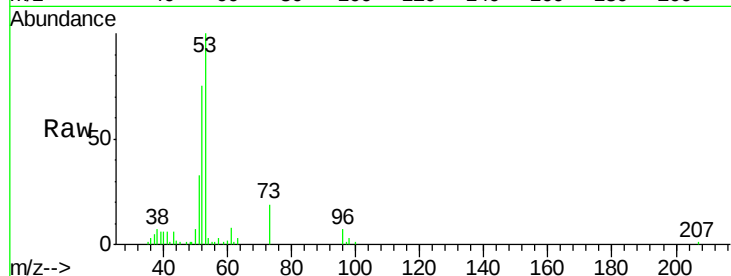
Tot Ion: 53 Resp: 101586

Ion Ratio Lower Upper

53 100

52 81.8 66.2 99.2

51 39.0 30.7 46.1



#16

Acetone

Concen: 253.980 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD065796.D

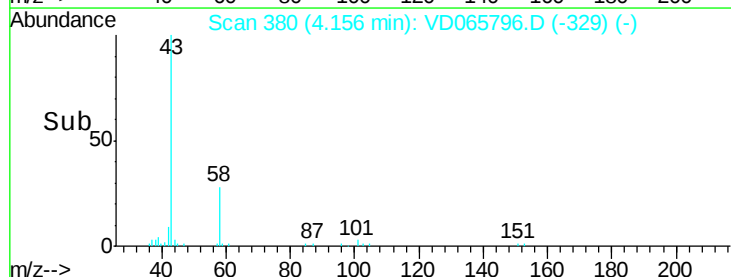
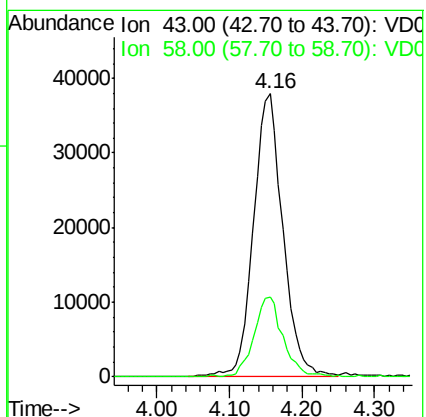
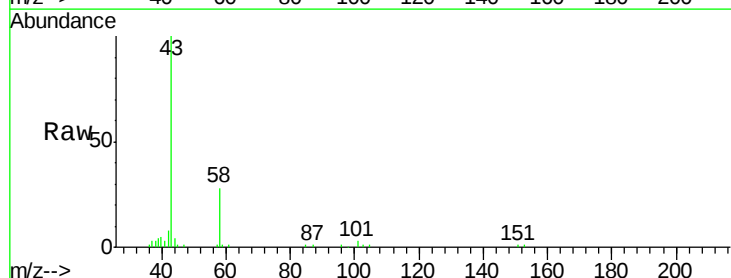
Acq: 12 Jun 2020 15:42

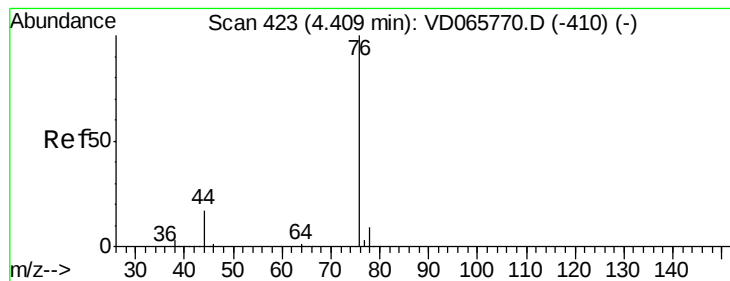
Tgt Ion: 43 Resp: 107226

Ion Ratio Lower Upper

43 100

58 28.1 22.3 33.5





#17

Carbon Disulfide

Concen: 42.038 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

Instrument :

MSVOA_D

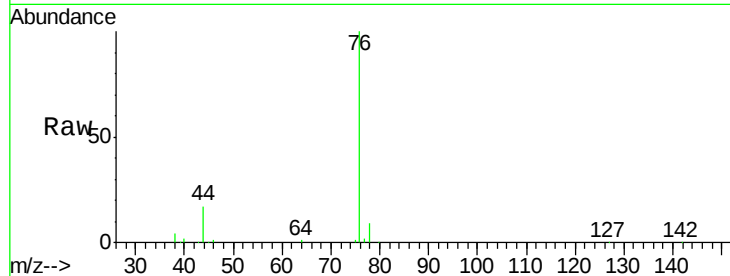
ClientSampled :

Tot Ion: 76 Resp: 290317

Ion Ratio Lower Upper

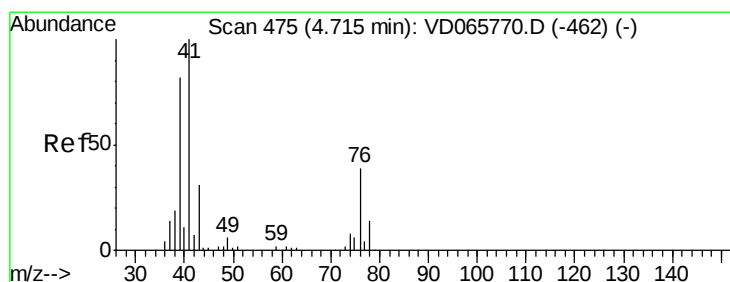
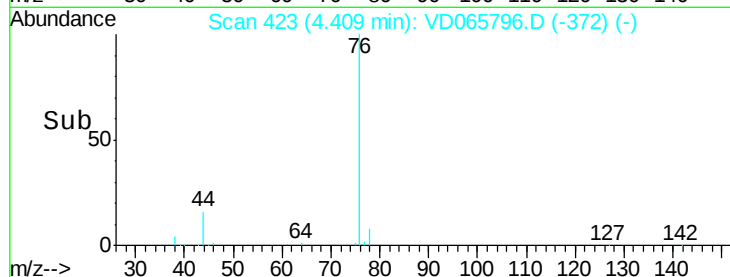
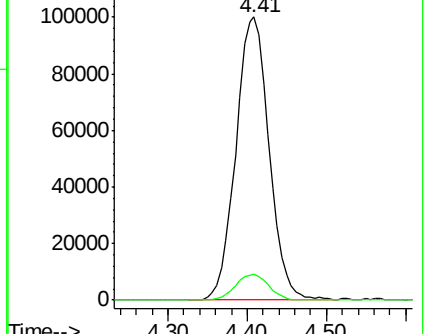
76 100

78 9.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 45.914 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065796.D

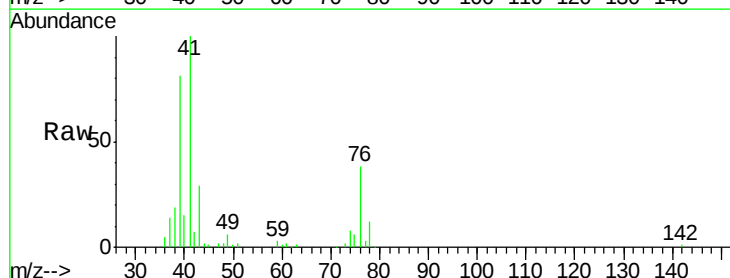
Acq: 12 Jun 2020 15:42

Tgt Ion: 43 Resp: 44005

Ion Ratio Lower Upper

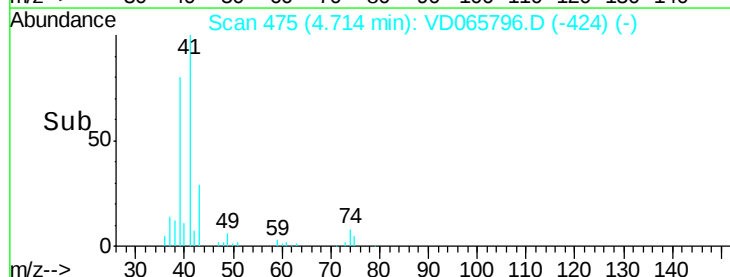
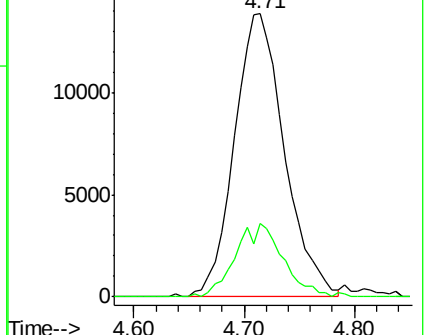
43 100

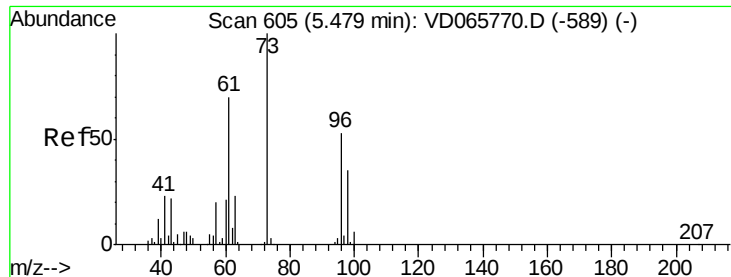
74 24.6 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

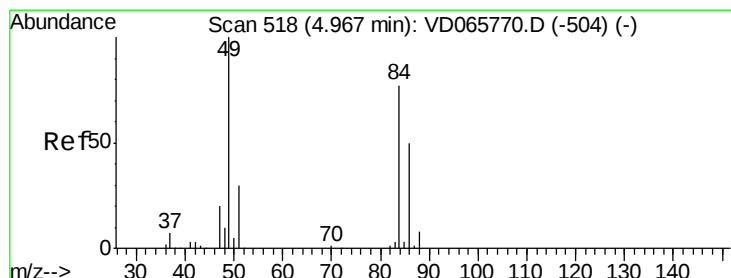
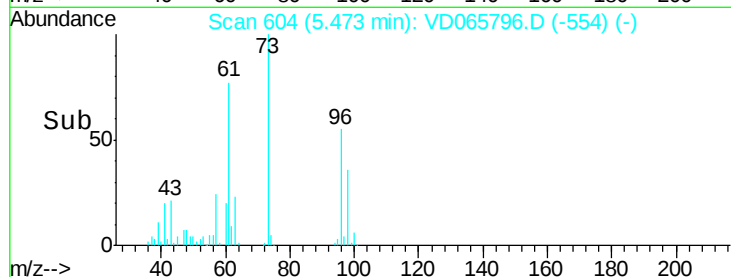
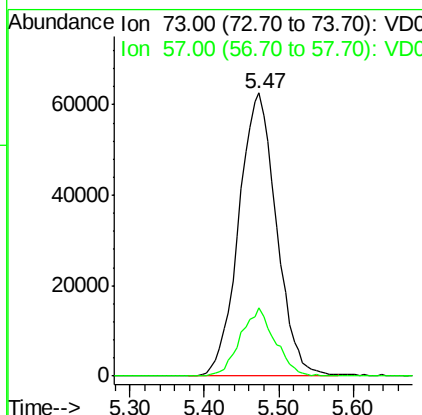
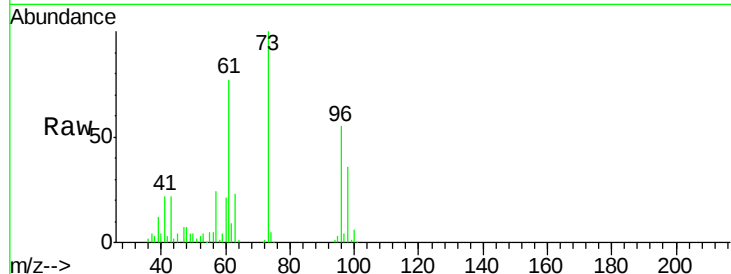




#19
Methyl tert-butyl Ether
Concen: 47.105 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD065796.D
Acq: 12 Jun 2020 15:42

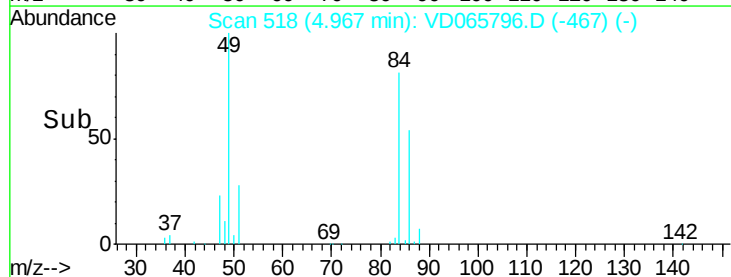
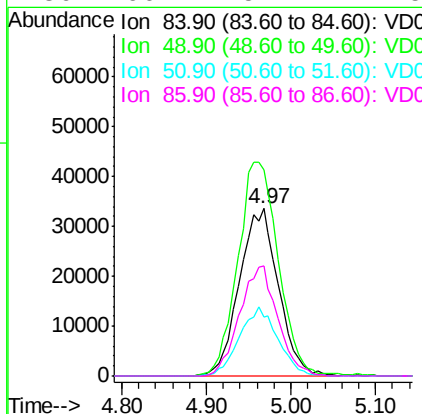
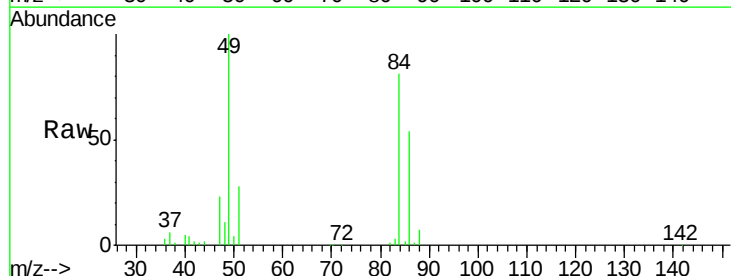
Instrument :
MSVOA_D
ClientSampleId :

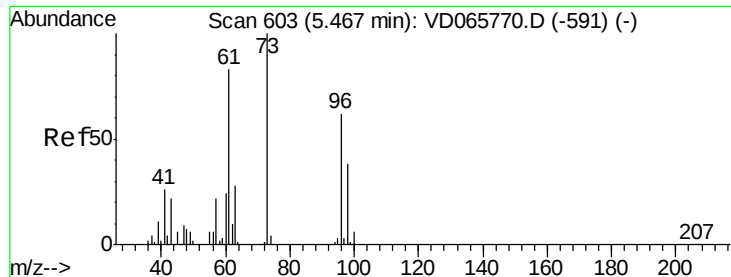
Tot Ion: 73 Resp: 219540
Ion Ratio Lower Upper
73 100
57 24.2 16.2 24.2



#20
Methylene Chloride
Concen: 47.708 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065796.D
Acq: 12 Jun 2020 15:42

Tgt Ion: 84 Resp: 107423
Ion Ratio Lower Upper
84 100
49 123.4 103.4 155.0
51 35.1 31.4 47.2
86 66.1 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 44.435 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

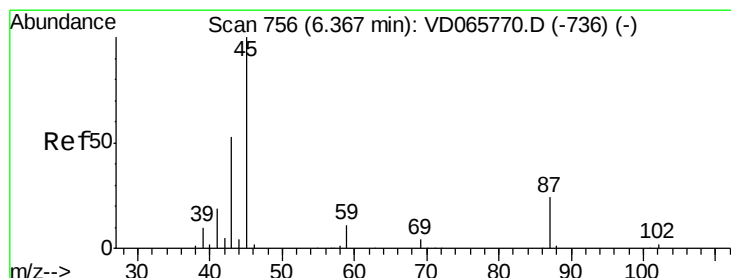
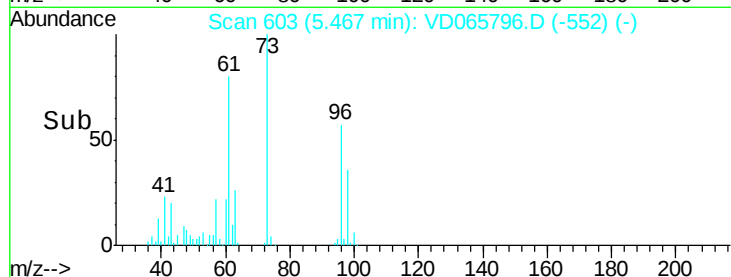
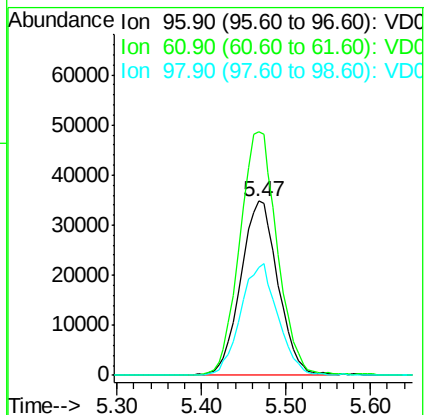
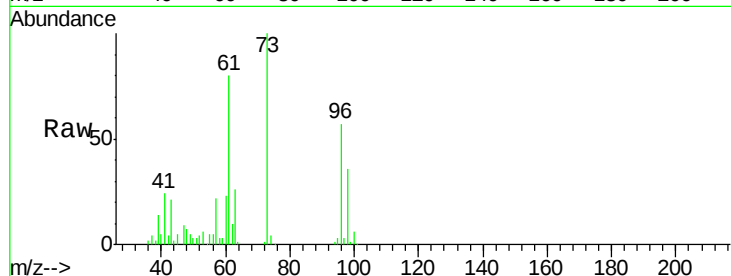
Tot Ion: 96 Resp: 107076

Ion Ratio Lower Upper

96 100

61 139.6 107.7 161.5

98 62.2 49.3 73.9



#22

Diisopropyl ether

Concen: 48.309 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

Tgt Ion: 45 Resp: 331955

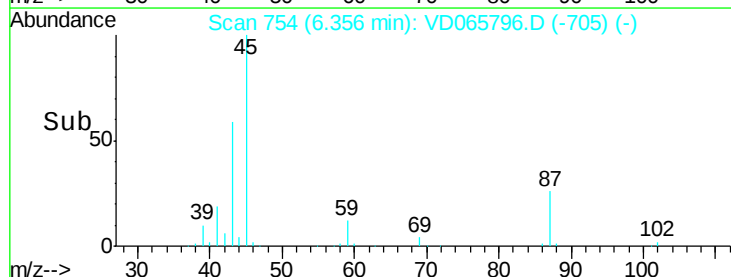
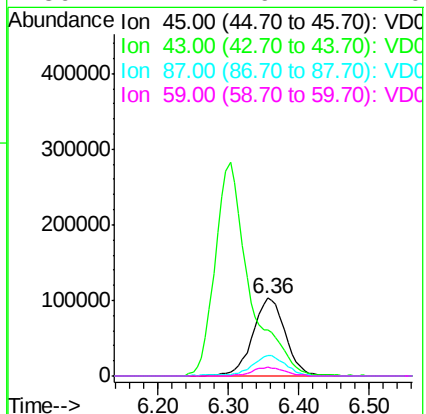
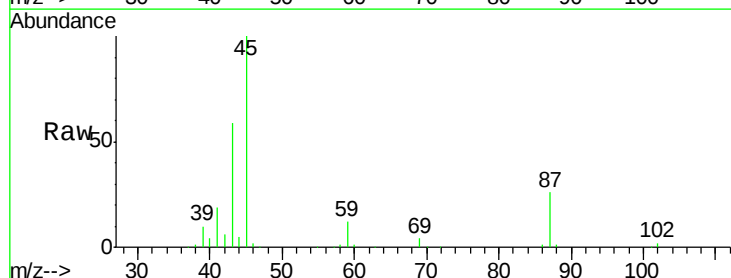
Ion Ratio Lower Upper

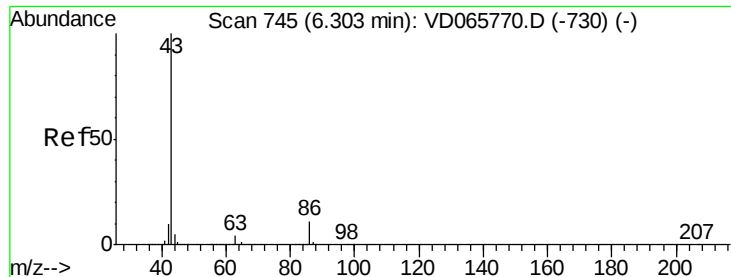
45 100

43 57.9 43.4 65.0

87 25.7 20.2 30.4

59 12.1 9.4 14.0





#23

Vinyl Acetate

Concen: 245.735 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

Instrument :

MSVOA_D

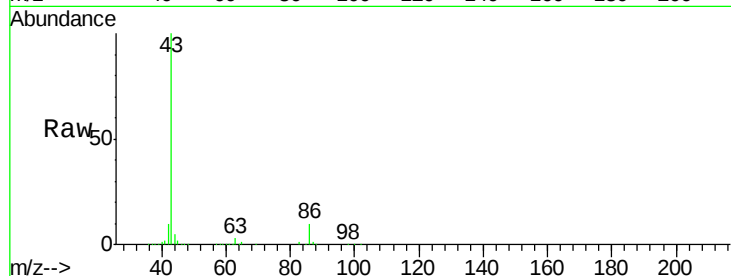
ClientSampled :

Tot Ion: 43 Resp: 953518

Ion Ratio Lower Upper

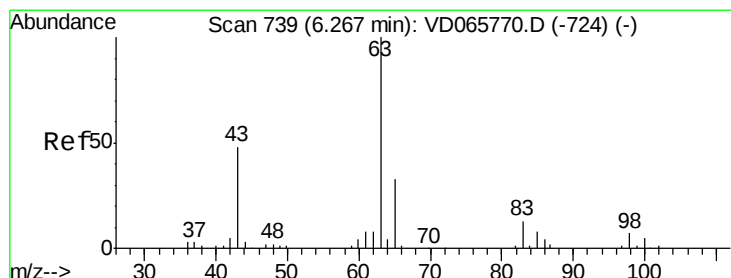
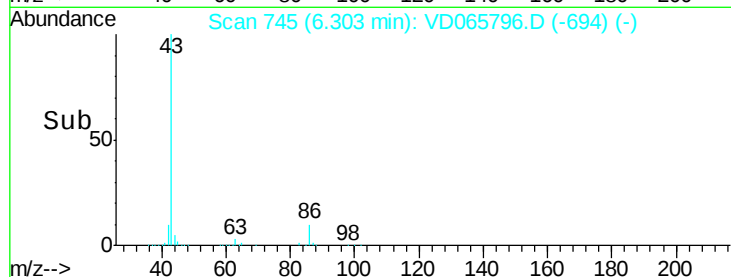
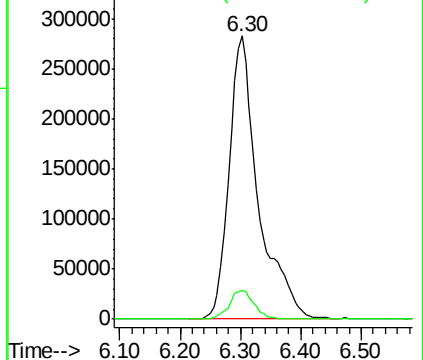
43 100

86 10.3 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 45.304 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

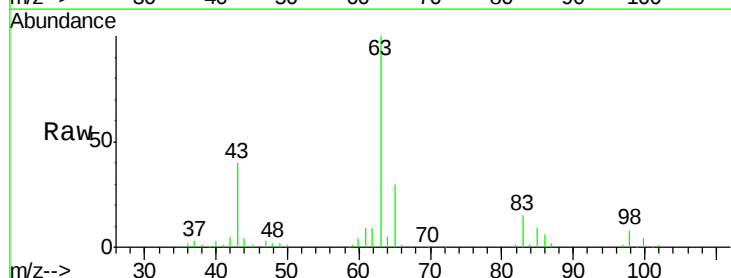
Tgt Ion: 63 Resp: 189680

Ion Ratio Lower Upper

63 100

98 7.8 3.5 10.5

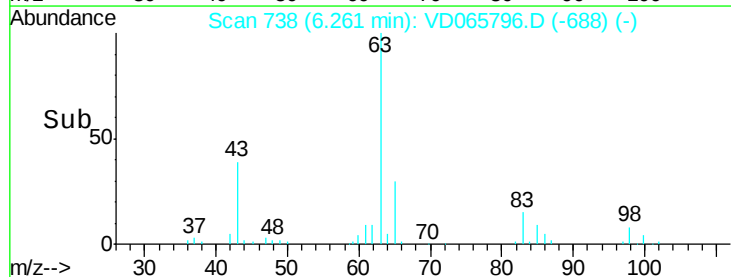
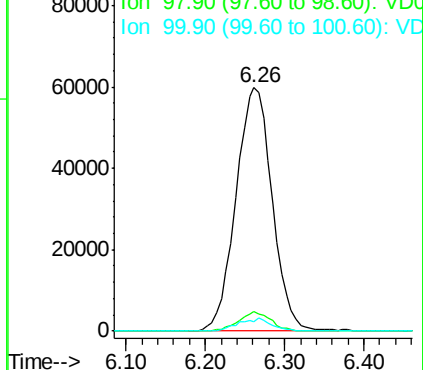
100 3.9 2.3 6.9

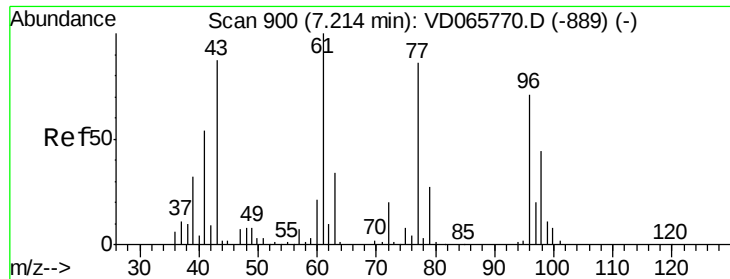


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 235.014 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

Instrument :

MSVOA_D

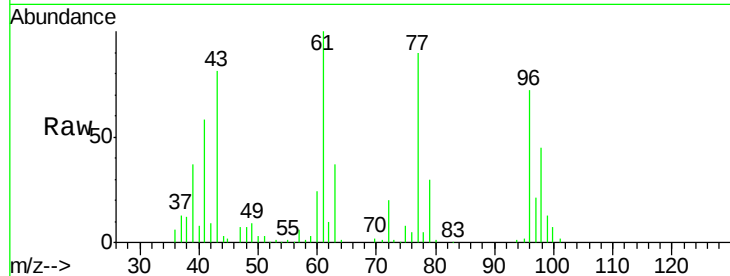
ClientSampled :

Tot Ion: 43 Resp: 137027

Ion Ratio Lower Upper

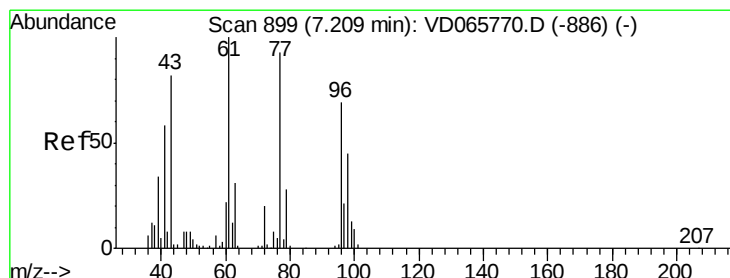
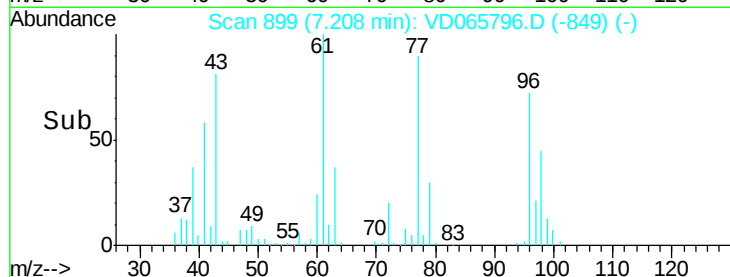
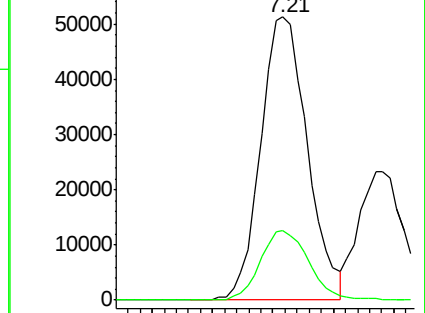
43 100

72 24.8 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 45.847 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD065796.D

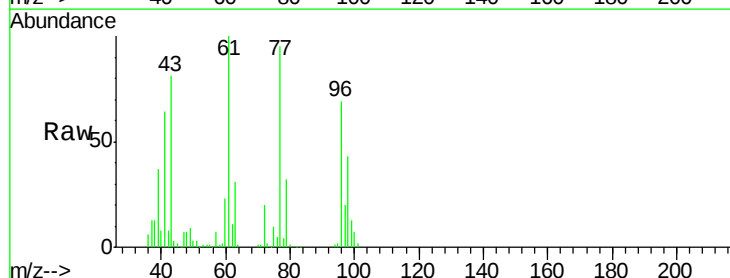
Acq: 12 Jun 2020 15:42

Tgt Ion: 77 Resp: 170202

Ion Ratio Lower Upper

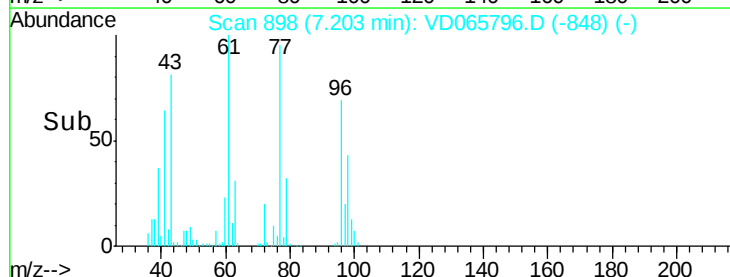
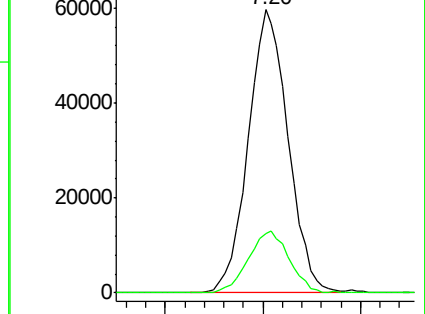
77 100

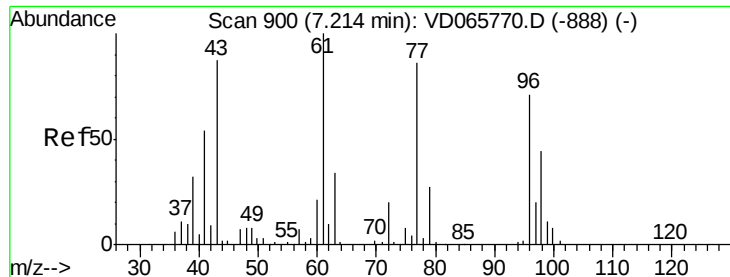
97 22.2 10.9 32.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



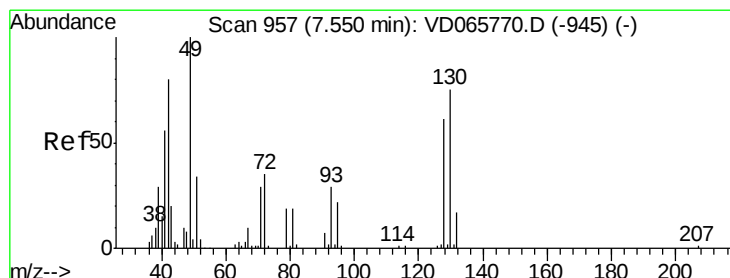
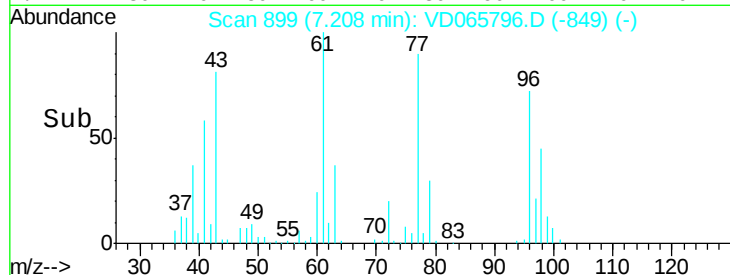
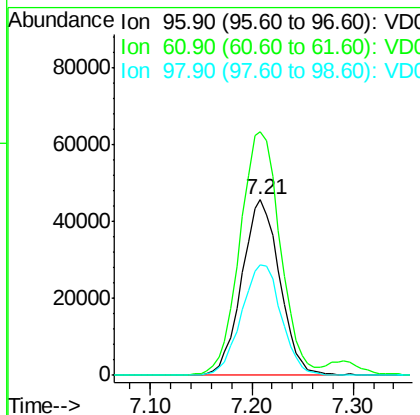
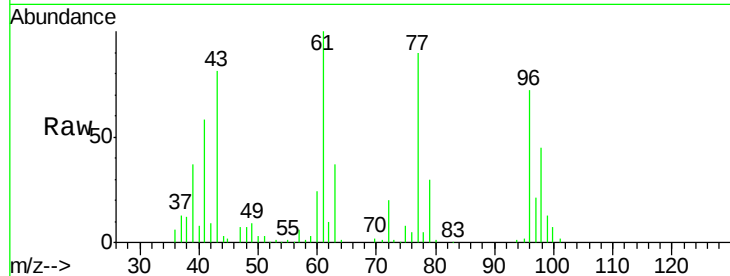


#27

cis-1,2-Dichloroethene
Concen: 45.751 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065796.D
Acq: 12 Jun 2020 15:42

Instrument :
MSVOA_D
ClientSampleId :

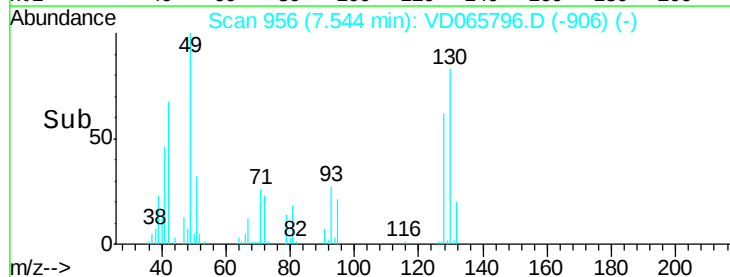
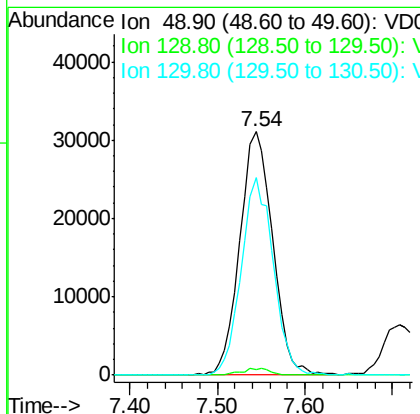
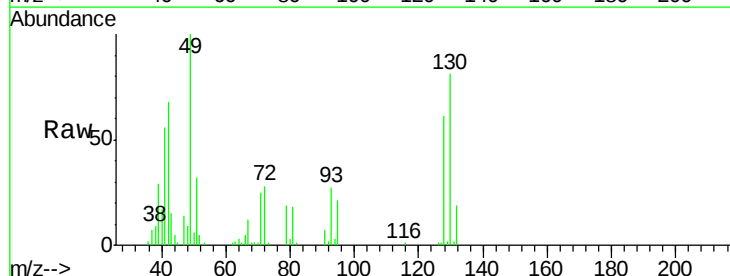
Tot Ion	96	Resp	118592
Ion	Ratio	Lower	Upper
96	100		
61	146.9	0.0	291.2
98	65.8	0.0	128.8

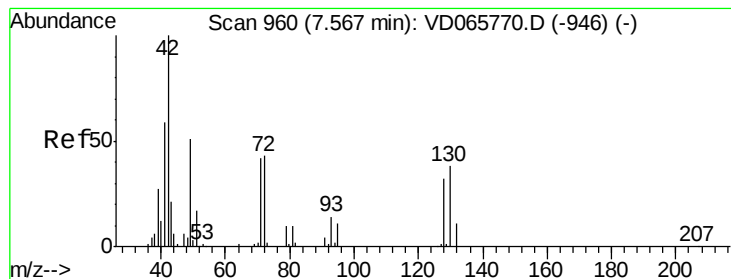


#28

Bromochloromethane
Concen: 49.011 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065796.D
Acq: 12 Jun 2020 15:42

Tgt Ion	49	Resp	79254
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	78.9	59.5	89.3





#29

Tetrahydrofuran

Concen: 228.076 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

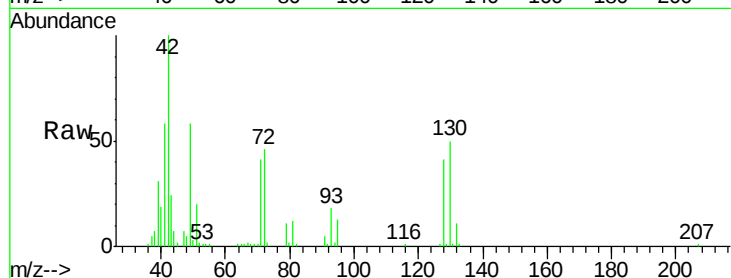
Tot Ion: 42 Resp: 84047

Ion Ratio Lower Upper

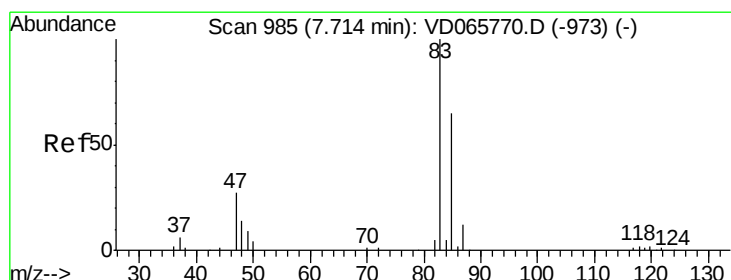
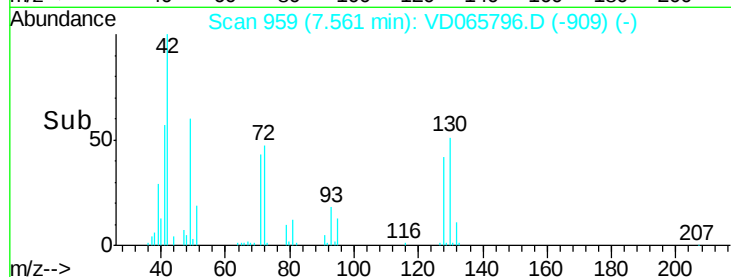
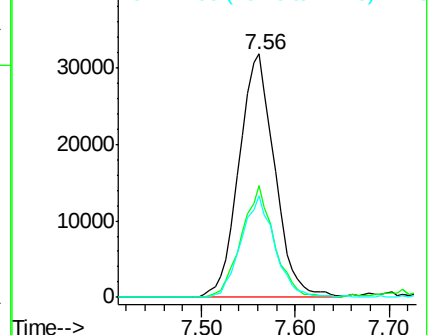
42 100

72 42.1 34.9 52.3

71 38.9 31.2 46.8



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: 46.025 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD065796.D

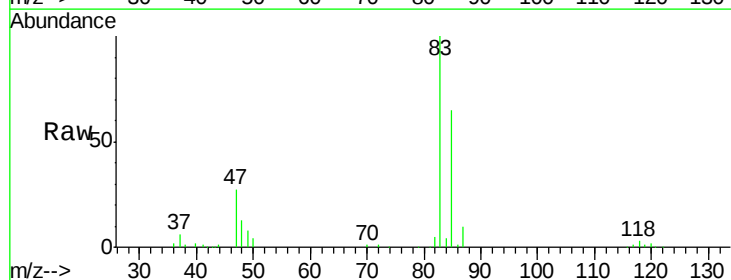
Acq: 12 Jun 2020 15:42

Tgt Ion: 83 Resp: 199736

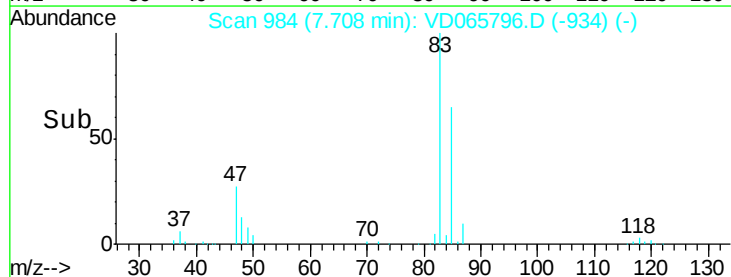
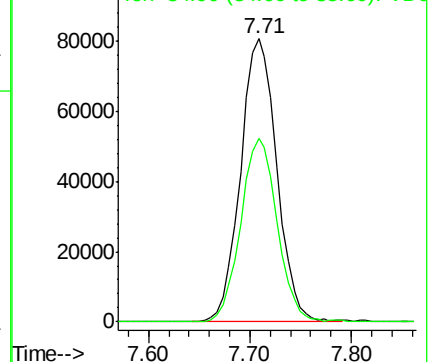
Ion Ratio Lower Upper

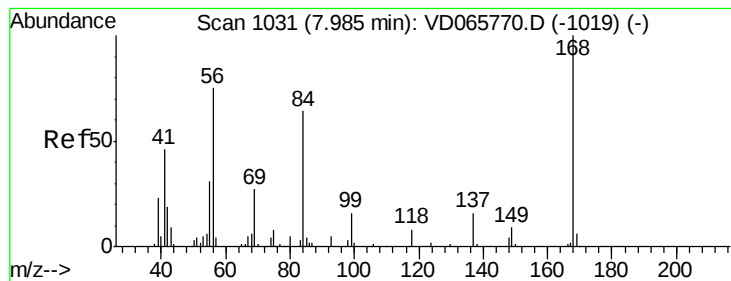
83 100

85 64.8 51.9 77.9



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





#31

Cyclohexane

Concen: 43.848 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

Instrument :
MSVOA_D
ClientSampled :

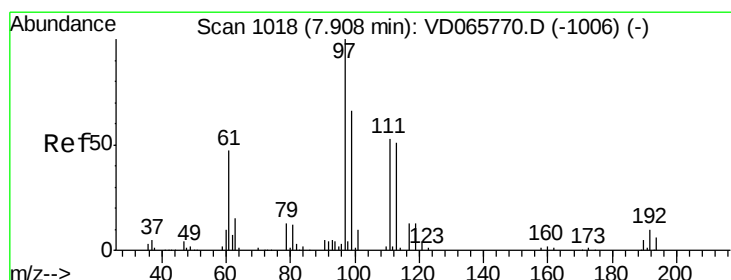
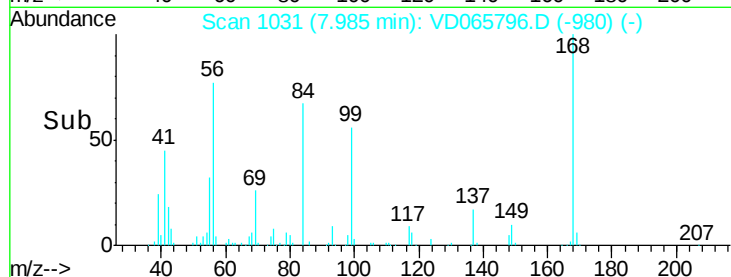
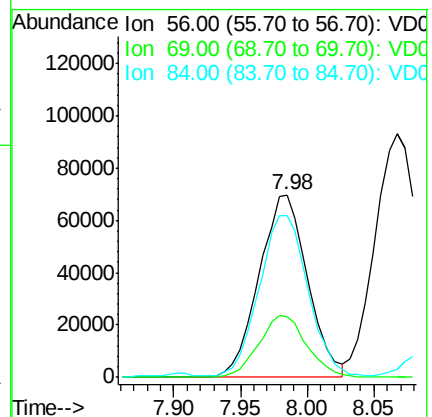
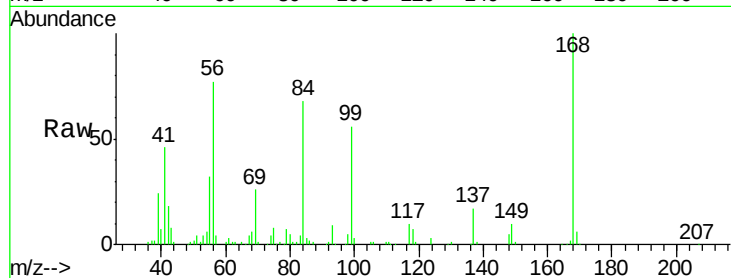
Tot Ion: 56 Resp: 175996

Ion Ratio Lower Upper

56 100

69 33.1 28.5 42.7

84 87.7 68.4 102.6



#32

1,1,1-Trichloroethane

Concen: 46.205 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

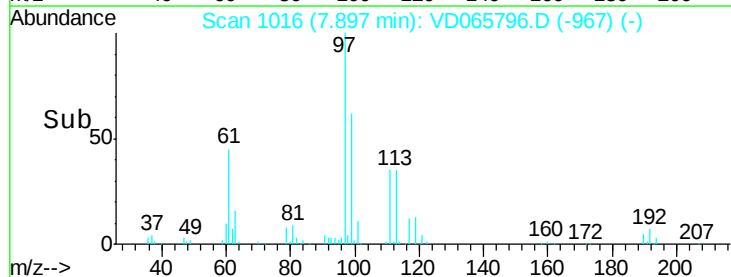
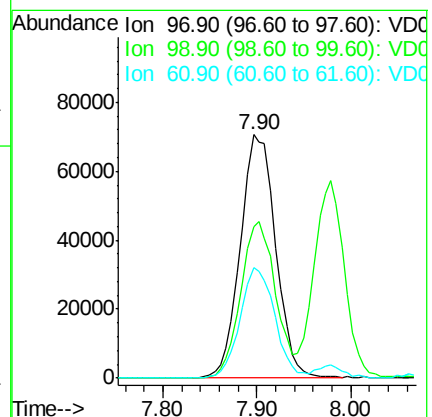
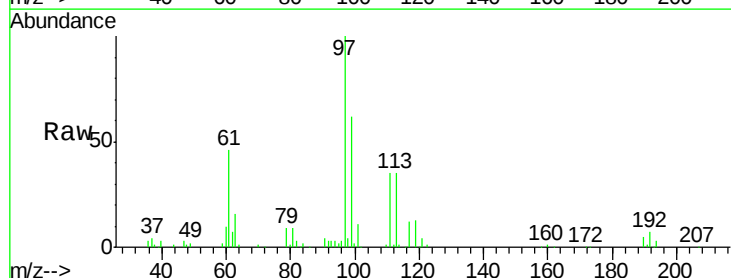
Tgt Ion: 97 Resp: 184377

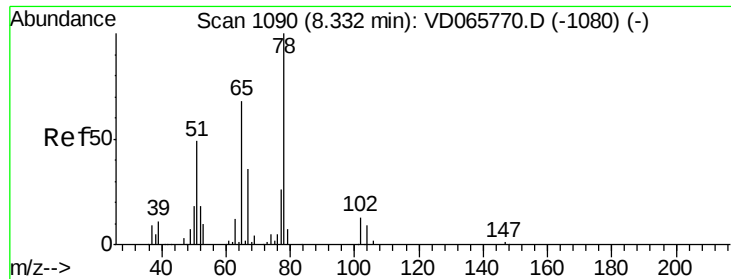
Ion Ratio Lower Upper

97 100

99 62.8 49.2 73.8

61 44.4 36.0 54.0





#33

1,2-Dichloroethane-d4

Concen: 51.752 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

Instrument :

MSVOA_D

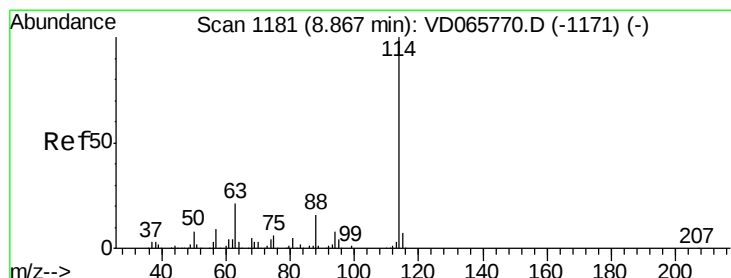
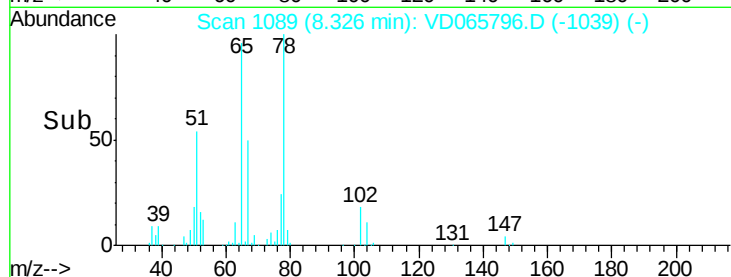
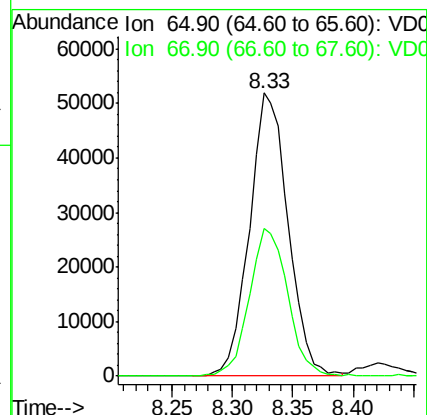
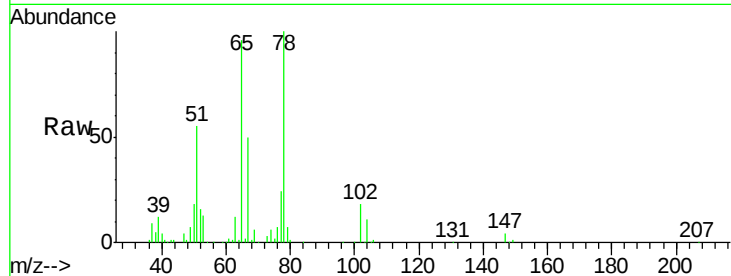
ClientSampleId :

Tot Ion: 65 Resp: 115827

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

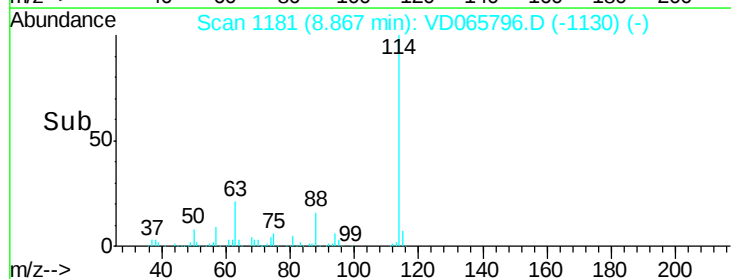
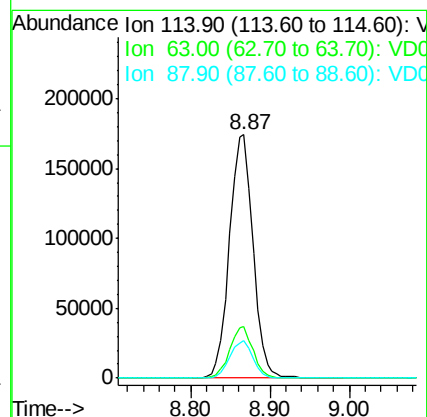
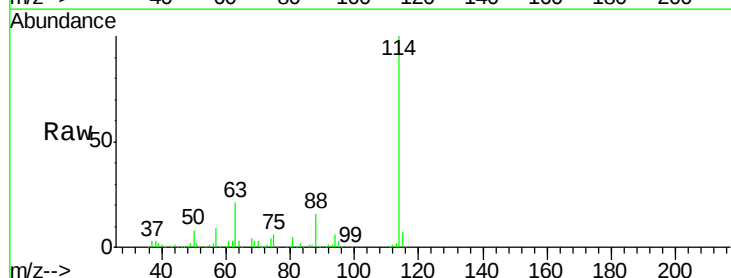
Tgt Ion: 114 Resp: 358914

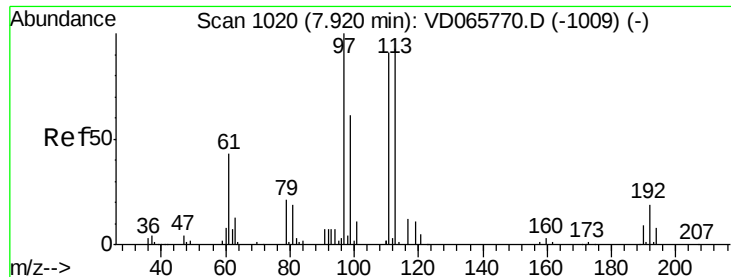
Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.8

88 15.6 0.0 32.0

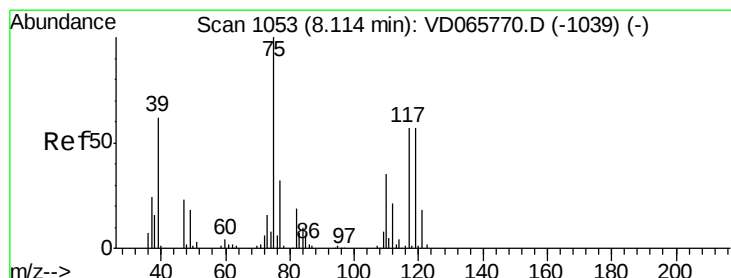
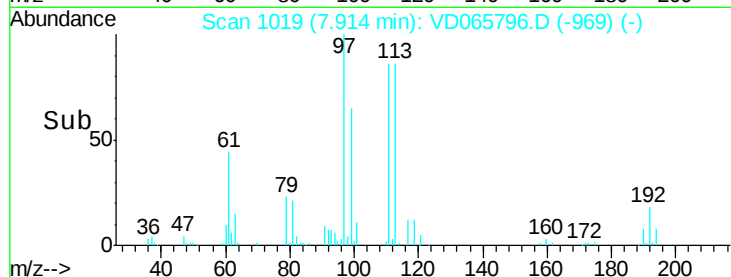
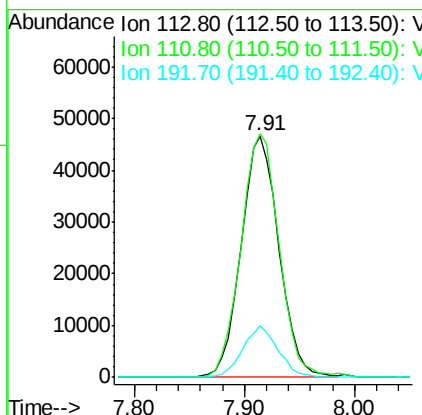
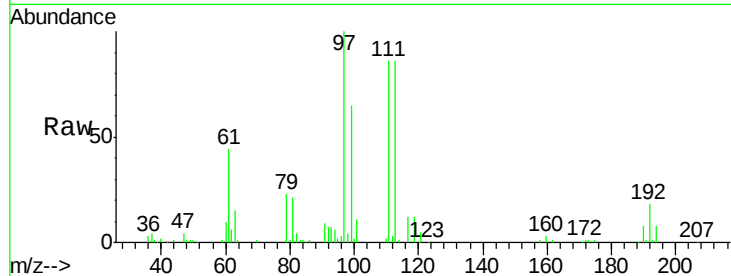




#35
 Dibromofluoromethane
 Concen: 49.419 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065796.D
 Acq: 12 Jun 2020 15:42

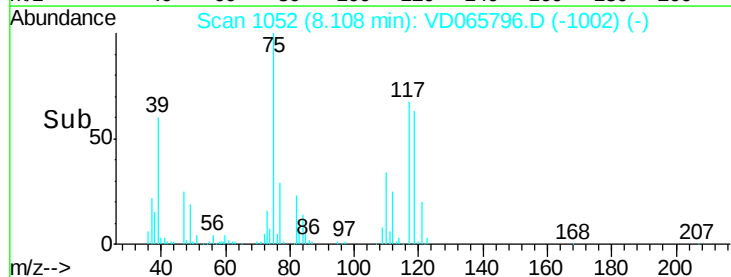
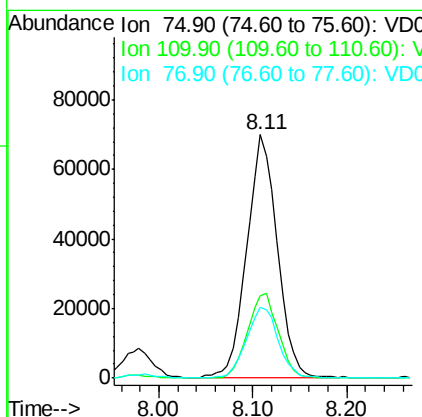
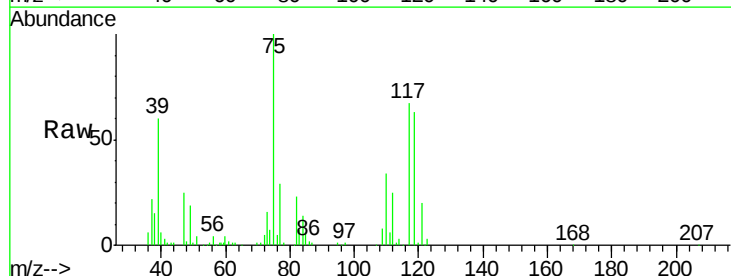
Instrument :
 MSVOA_D
 ClientSampleId :

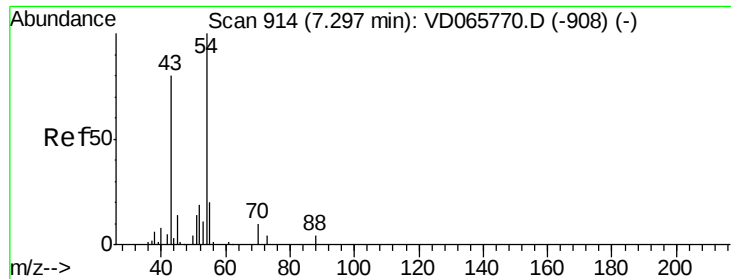
Tot Ion:113 Resp: 112038
 Ion Ratio Lower Upper
 113 100
 111 102.5 83.4 125.0
 192 20.0 15.7 23.5



#36
 1,1-Dichloropropene
 Concen: 45.776 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD065796.D
 Acq: 12 Jun 2020 15:42

Tgt Ion: 75 Resp: 157384
 Ion Ratio Lower Upper
 75 100
 110 34.9 17.6 52.8
 77 30.6 25.1 37.7

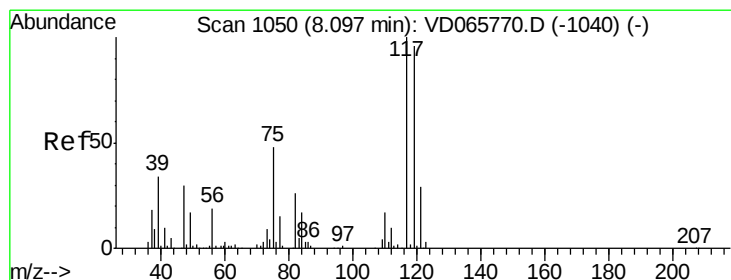
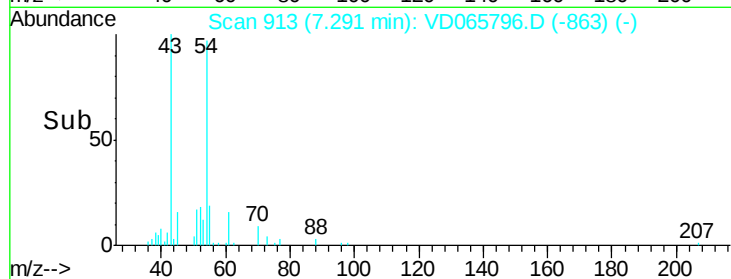
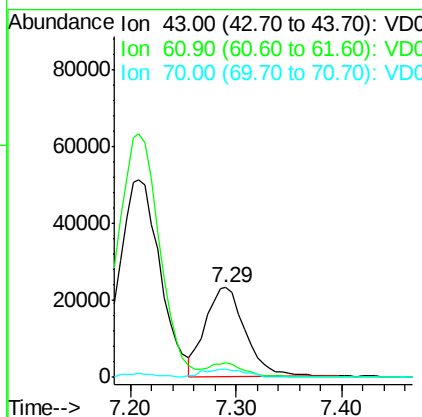
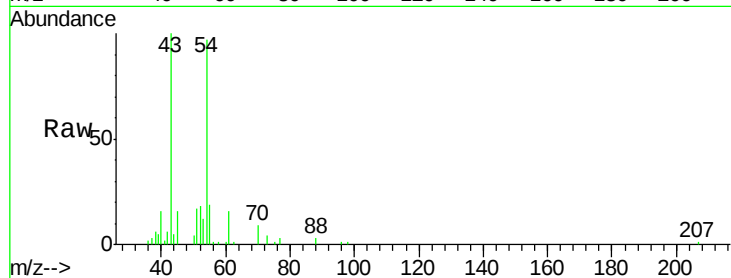




#37
Ethyl Acetate
Concen: 45.433 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD065796.D
Acq: 12 Jun 2020 15:42

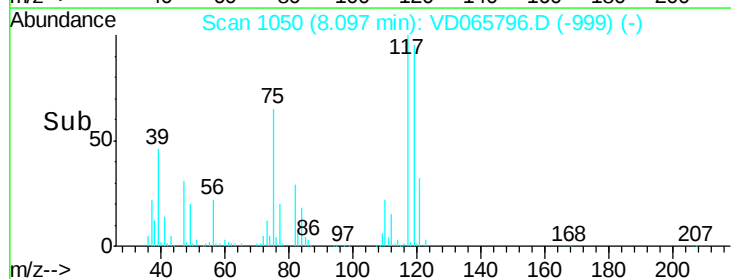
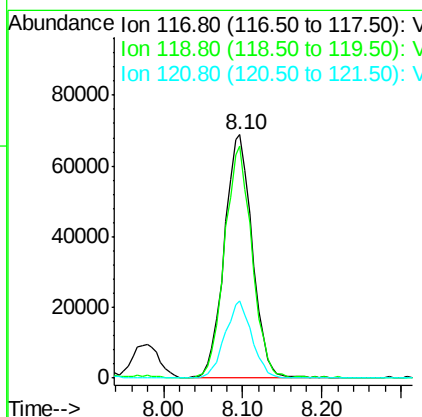
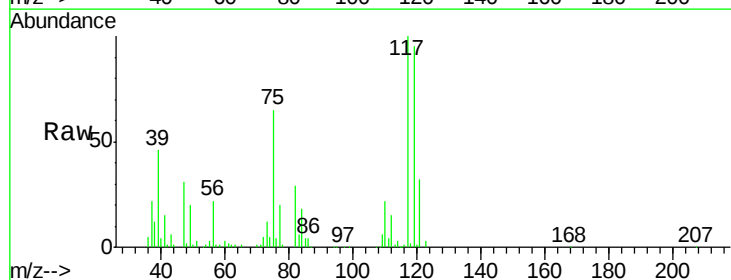
Instrument :
MSVOA_D
ClientSampleId :

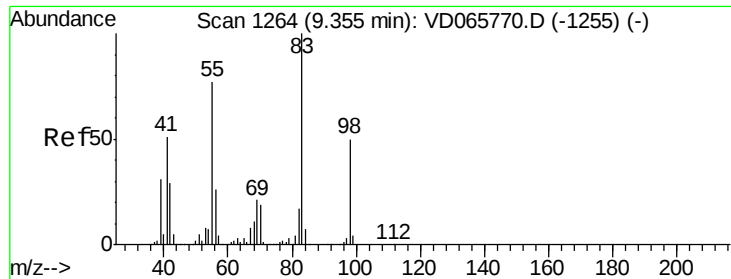
Tot Ion: 43 Resp: 61527
Ion Ratio Lower Upper
43 100
61 14.3 10.6 15.8
70 9.4 7.5 11.3



#38
Carbon Tetrachloride
Concen: 46.537 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065796.D
Acq: 12 Jun 2020 15:42

Tgt Ion: 117 Resp: 168386
Ion Ratio Lower Upper
117 100
119 95.5 76.8 115.2
121 31.8 23.4 35.2

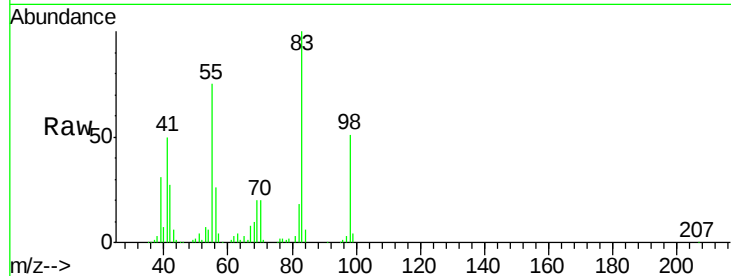




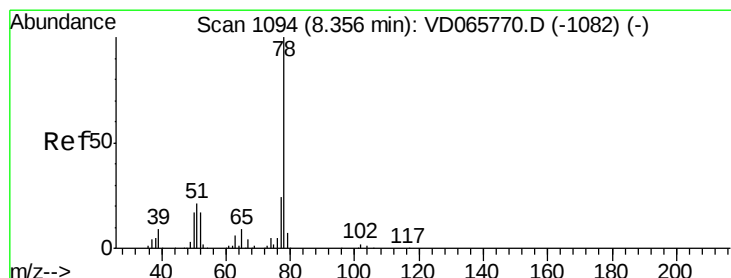
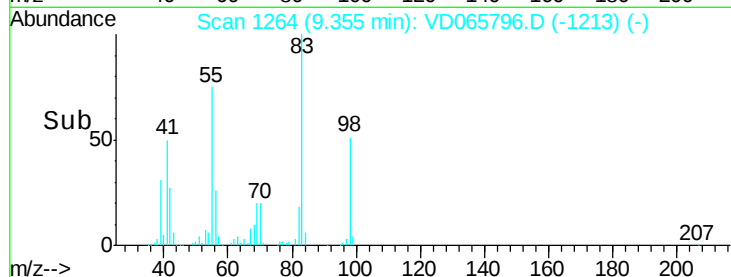
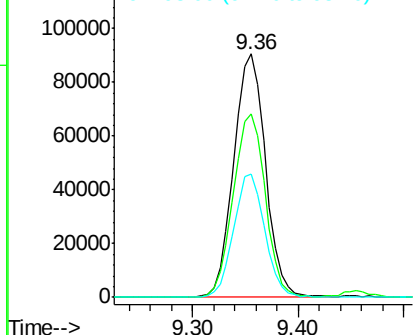
#39
Methvlcvclohexane
Concen: 46.485 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065796.D
Acq: 12 Jun 2020 15:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 189224
Ion Ratio Lower Upper
83 100
55 75.3 61.6 92.4
98 50.8 40.2 60.2

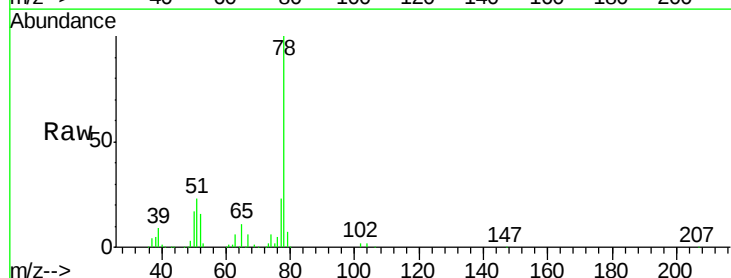


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

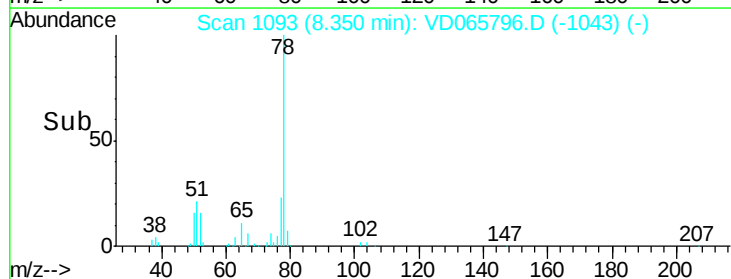
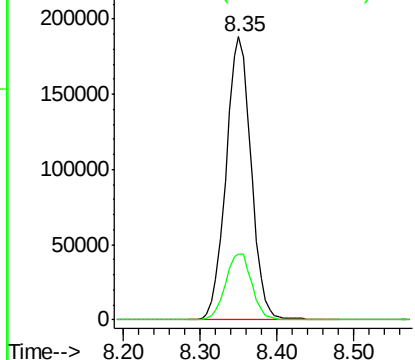


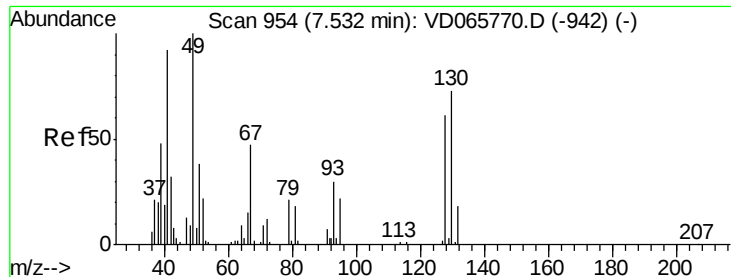
#40
Benzene
Concen: 45.487 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065796.D
Acq: 12 Jun 2020 15:42

Tgt Ion: 78 Resp: 427542
Ion Ratio Lower Upper
78 100
77 23.2 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 42.694 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 34427

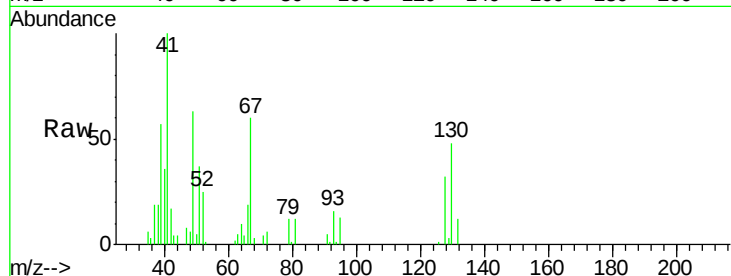
Ion Ratio Lower Upper

41 100

39 66.1 38.3 57.5#

67 75.7 49.8 74.6#

52 32.2 21.7 32.5

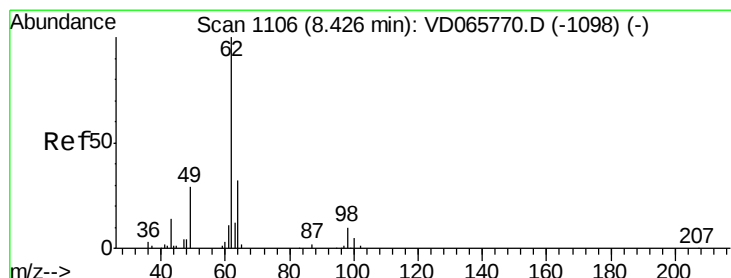
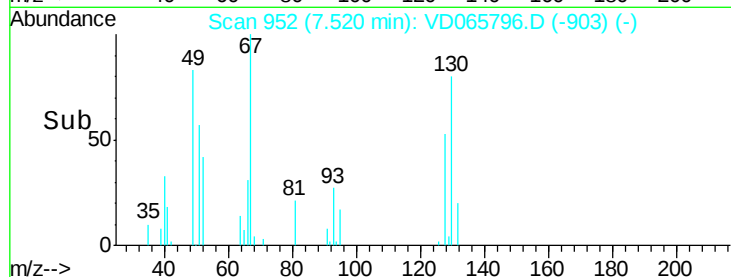
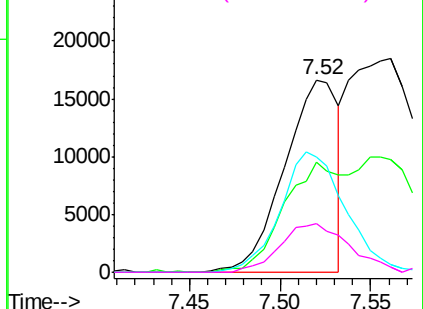


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 45.211 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VD065796.D

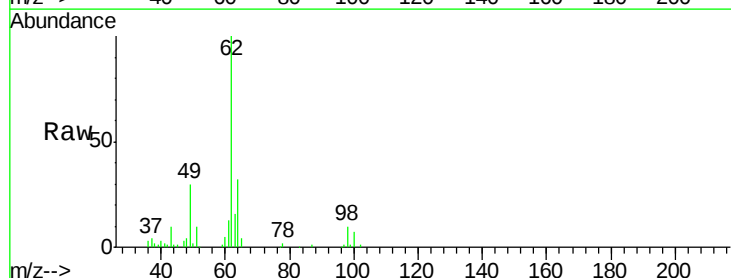
Acq: 12 Jun 2020 15:42

Tgt Ion: 62 Resp: 128218

Ion Ratio Lower Upper

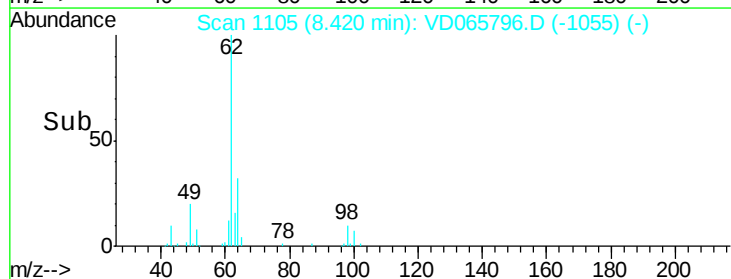
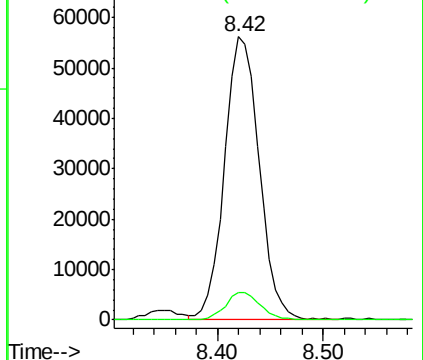
62 100

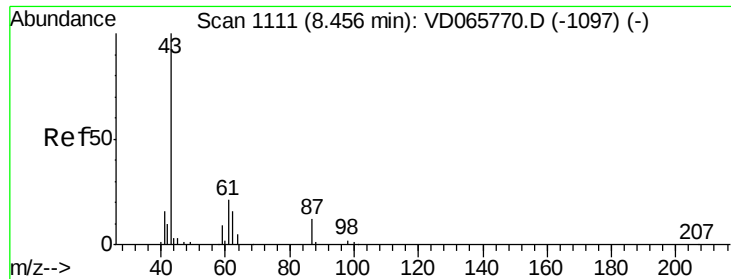
98 9.6 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 45.817 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

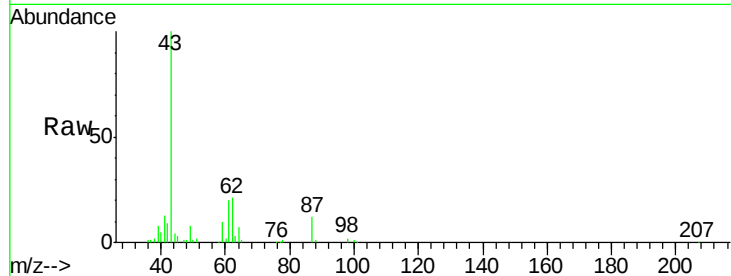
Tot Ion: 43 Resp: 123382

Ion Ratio Lower Upper

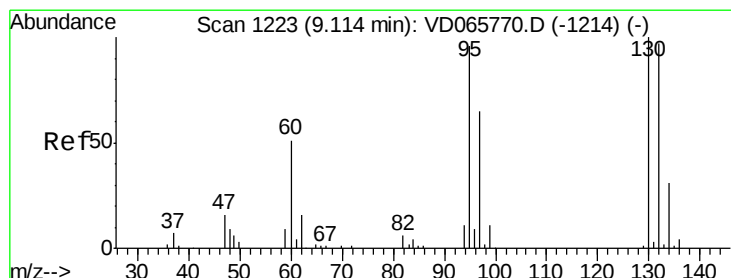
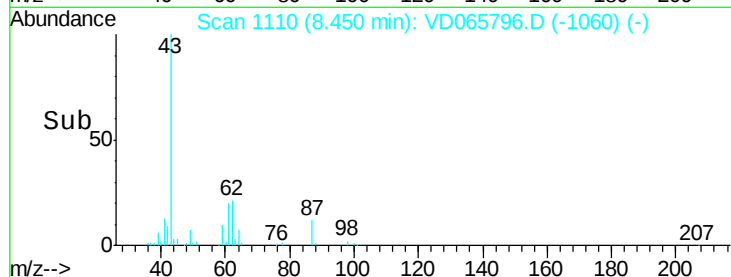
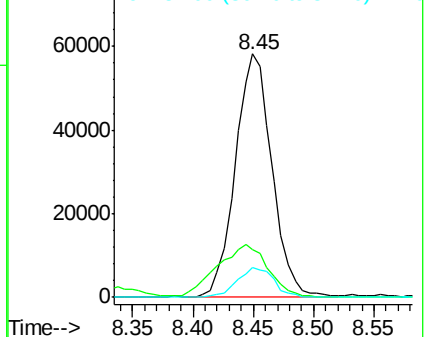
43 100

61 30.1 24.2 36.4

87 12.1 9.5 14.3



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



#44

Trichloroethene

Concen: 45.491 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD065796.D

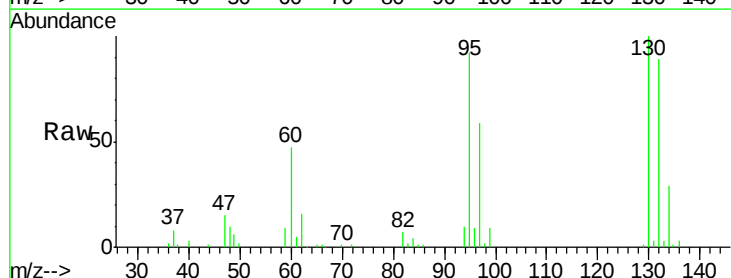
Acq: 12 Jun 2020 15:42

Tgt Ion:130 Resp: 118992

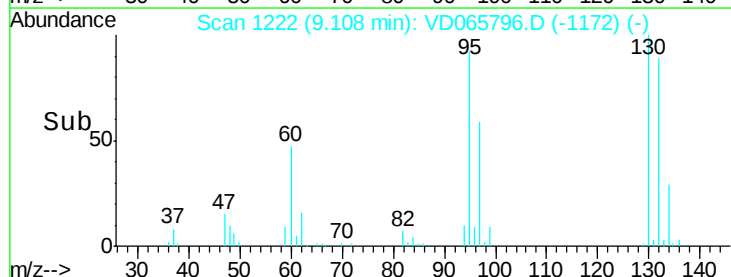
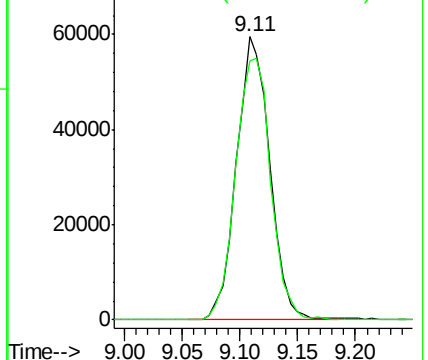
Ion Ratio Lower Upper

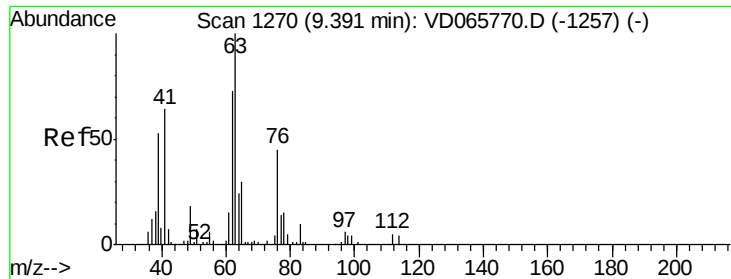
130 100

95 91.6 0.0 192.8



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

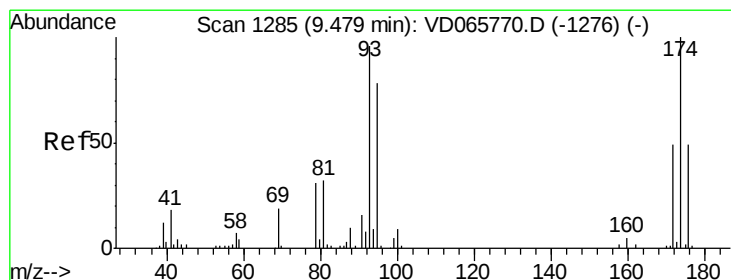
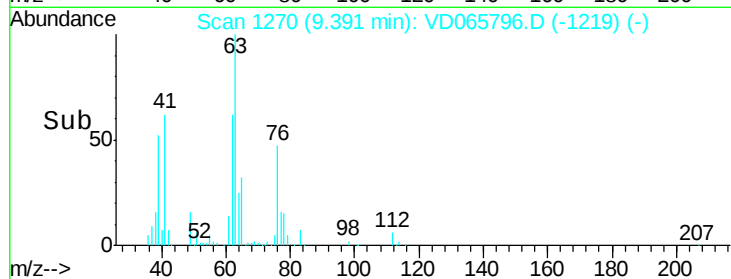
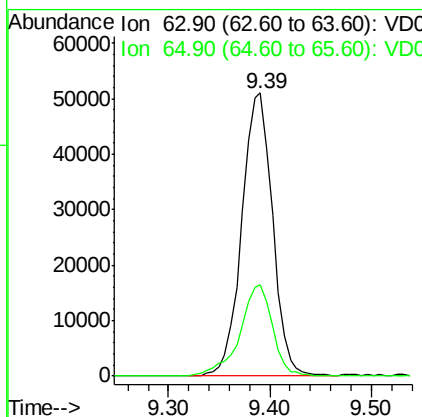
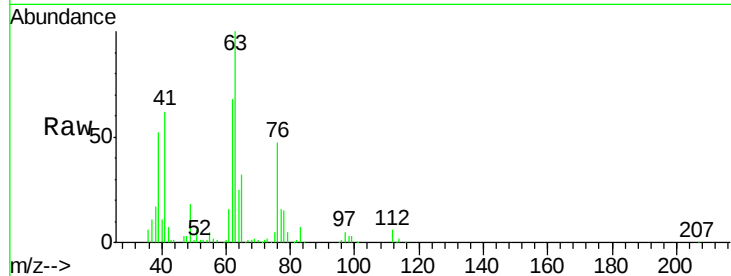




#45
 1,2-Dichloropropane
 Concen: 45.544 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065796.D
 Acq: 12 Jun 2020 15:42

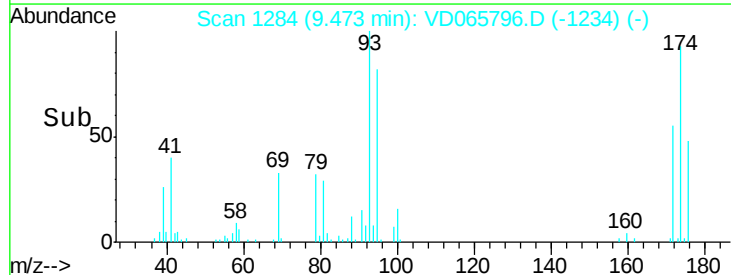
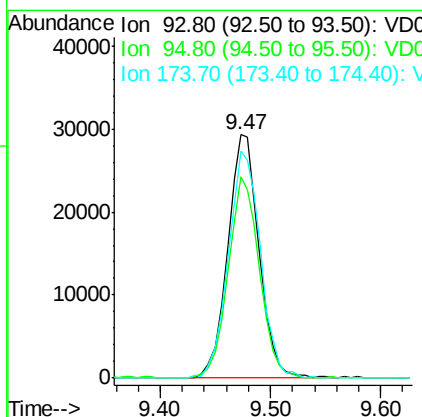
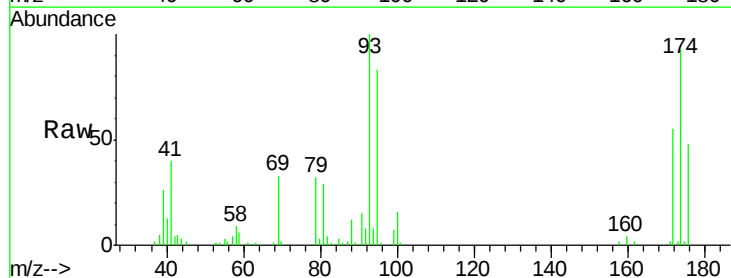
Instrument :
 MSVOA_D
 ClientSampled :

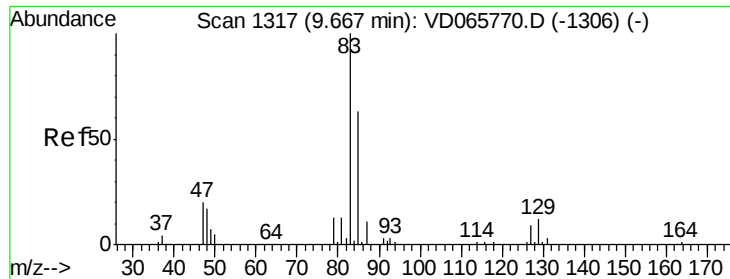
Tot Ion: 63 Resp: 107562
 Ion Ratio Lower Upper
 63 100
 65 32.4 24.2 36.2



#46
 Dibromomethane
 Concen: 45.420 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD065796.D
 Acq: 12 Jun 2020 15:42

Tgt Ion: 93 Resp: 58177
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.8 98.6
 174 95.9 80.9 121.3





#47

Bromodichloromethane

Concen: 45.488 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

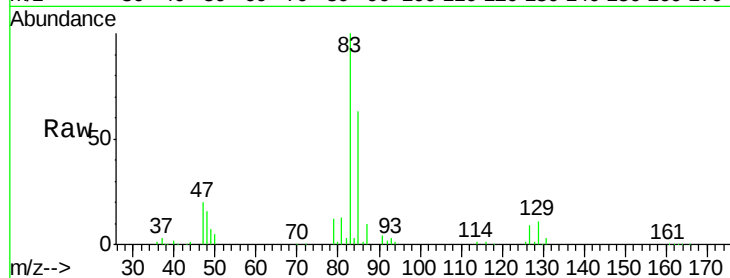
Tot Ion: 83 Resp: 156132

Ion Ratio Lower Upper

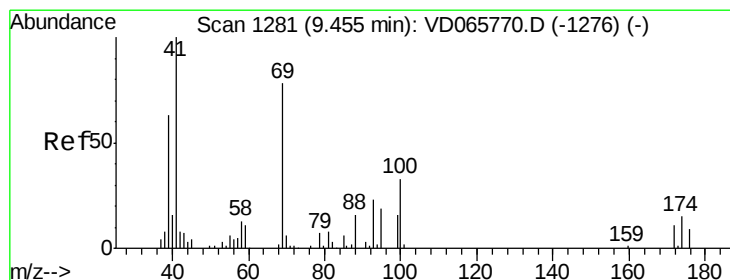
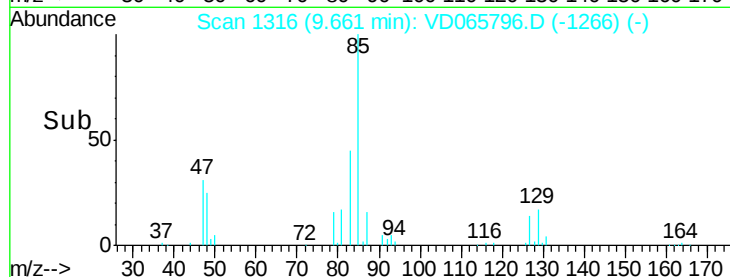
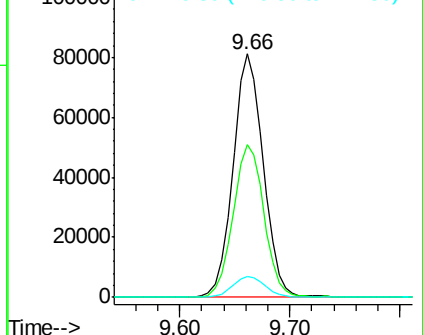
83 100

85 62.9 50.7 76.1

127 8.7 7.1 10.7



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



#48

Methyl methacrylate

Concen: 49.352 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

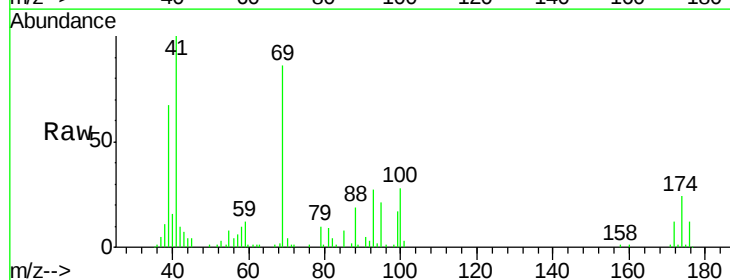
Tgt Ion: 41 Resp: 64331

Ion Ratio Lower Upper

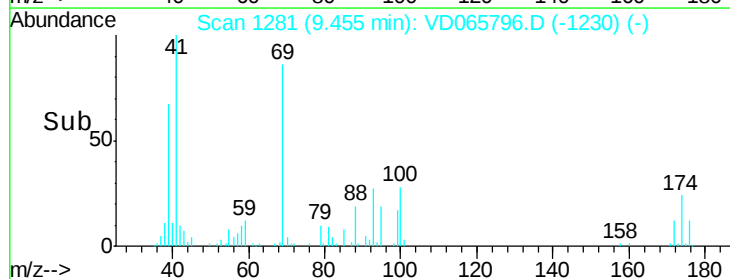
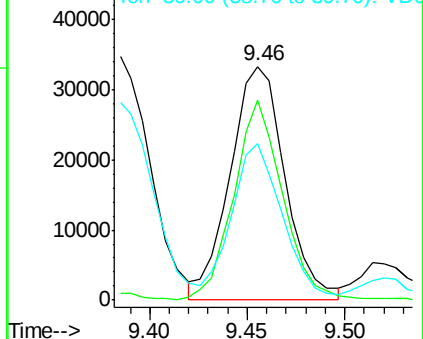
41 100

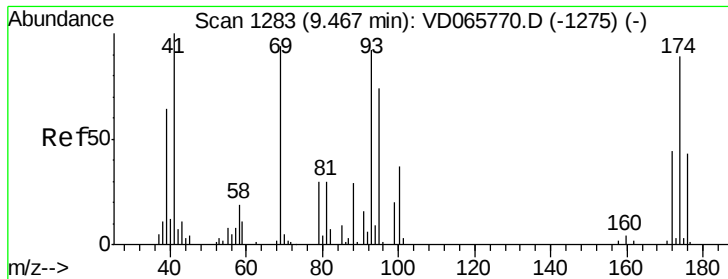
69 77.6 60.9 91.3

39 57.9 48.1 72.1



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

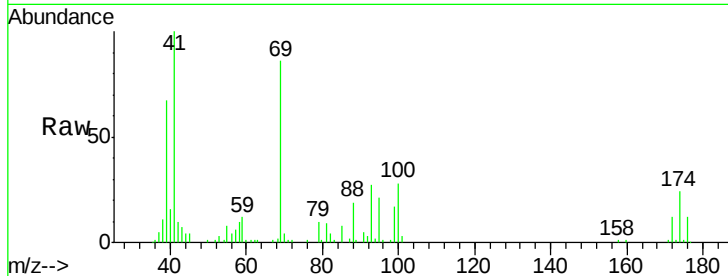




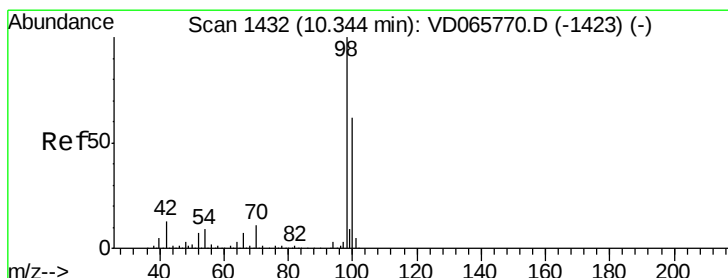
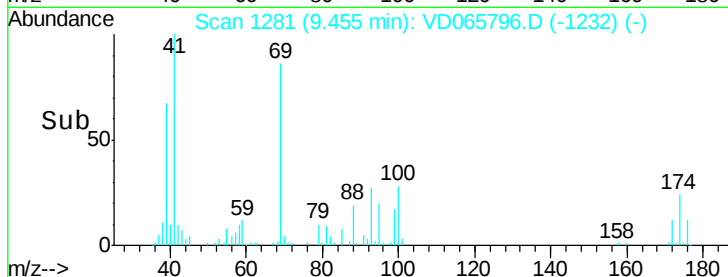
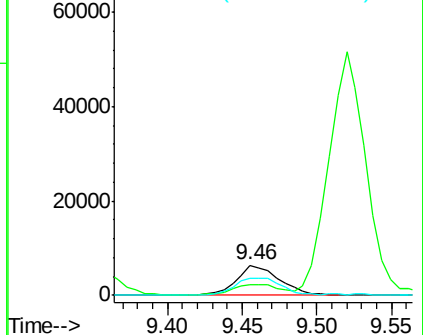
#49
1,4-Dioxane
Concen: 934.033 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD065796.D
Acq: 12 Jun 2020 15:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 12734
Ion Ratio Lower Upper
88 100
43 42.3 32.2 48.4
58 63.6 54.9 82.3

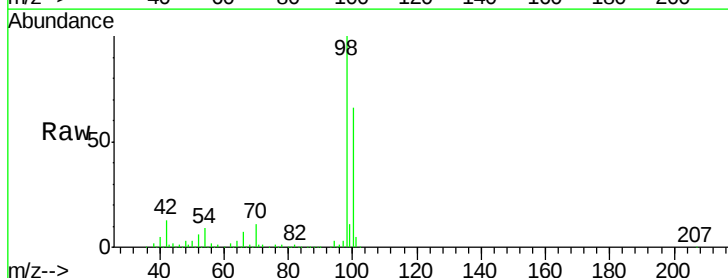


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

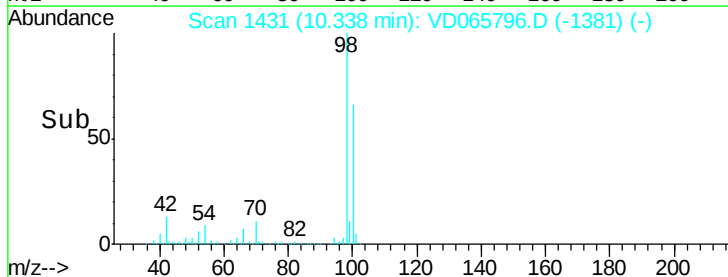
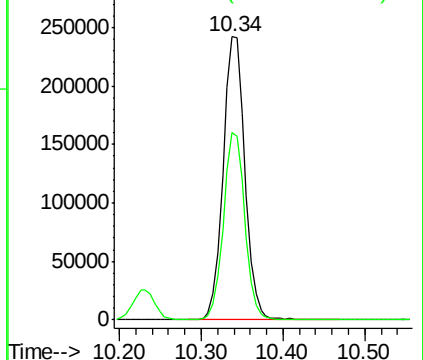


#50
Toluene-d8
Concen: 53.056 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD065796.D
Acq: 12 Jun 2020 15:42

Tgt Ion: 98 Resp: 448524
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.2



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

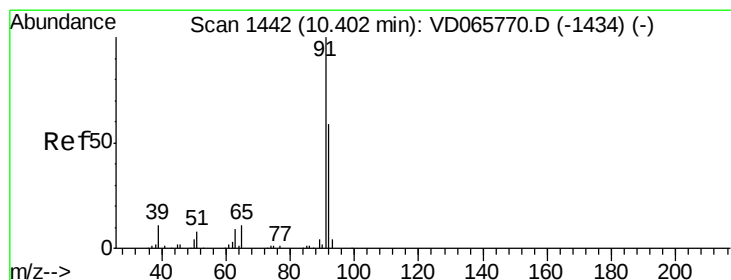
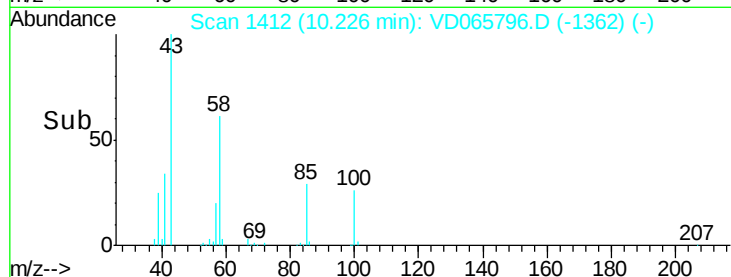
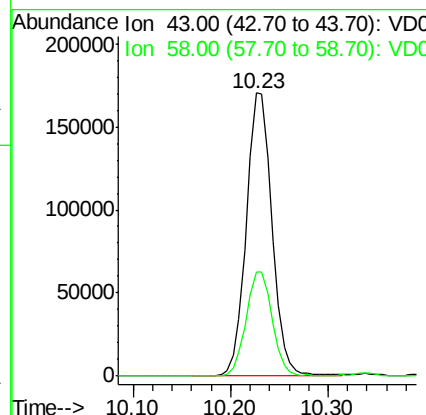
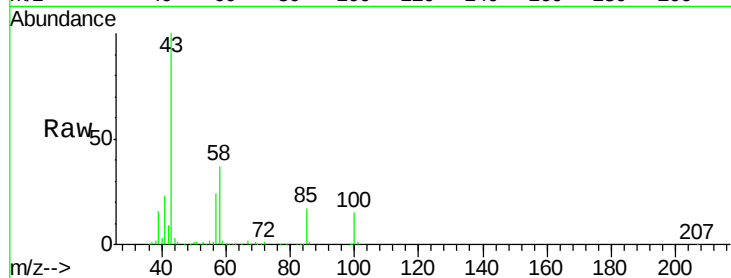




#51
 4-Methyl-2-Pentanone
 Concen: 238.591 ug/l
 RT: 10.23 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: VD065796.D
 Acq: 12 Jun 2020 15:42

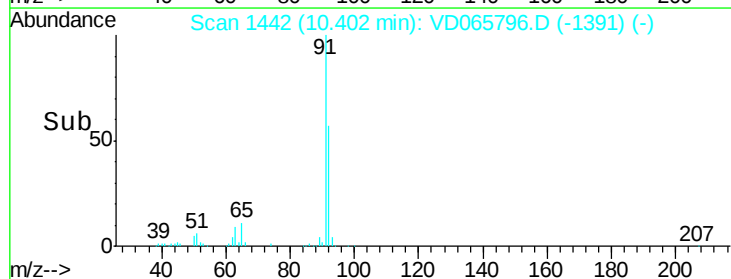
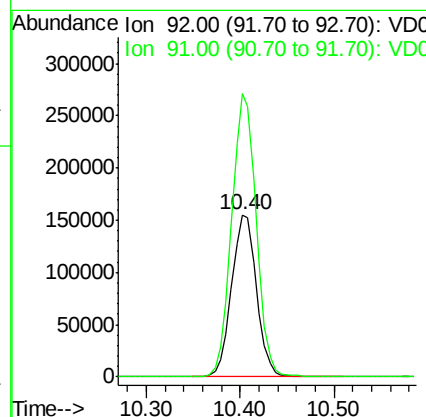
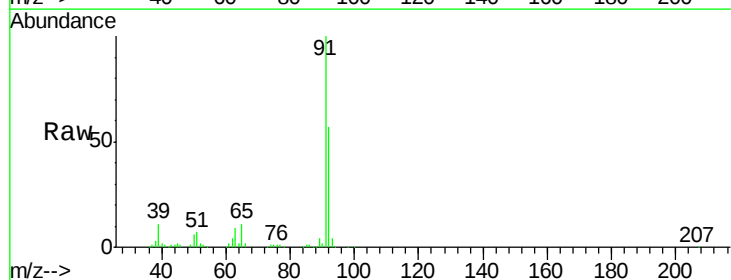
Instrument :
 MSVOA_D
 ClientSampleId :

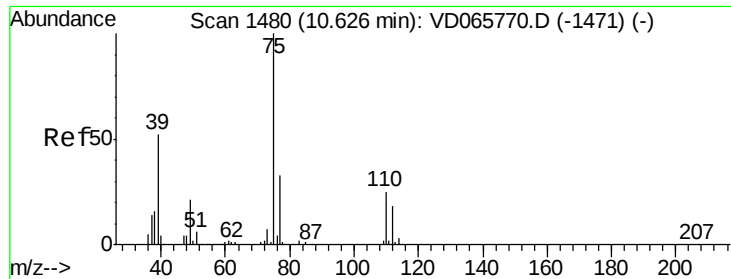
Tot Ion: 43 Resp: 314837
 Ion Ratio Lower Upper
 43 100
 58 37.5 30.7 46.1



#52
 Toluene
 Concen: 46.758 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VD065796.D
 Acq: 12 Jun 2020 15:42

Tgt Ion: 92 Resp: 285563
 Ion Ratio Lower Upper
 92 100
 91 172.3 137.8 206.8

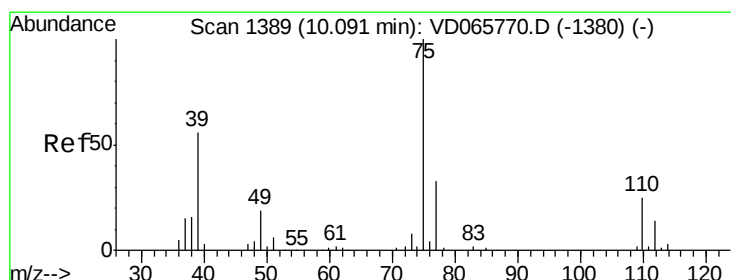
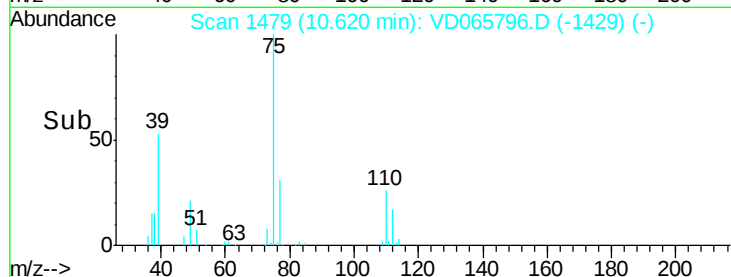
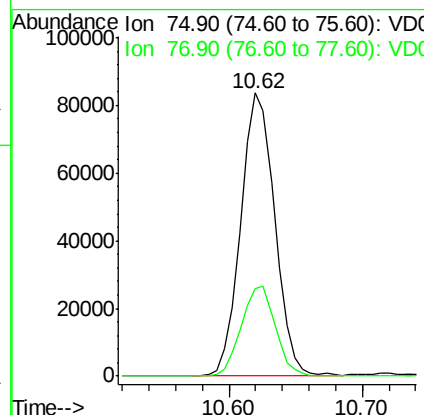
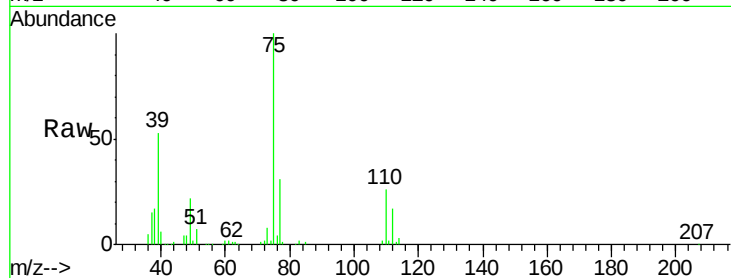




#53
t-1,3-Dichloropropene
Concen: 47.573 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD065796.D
Acq: 12 Jun 2020 15:42

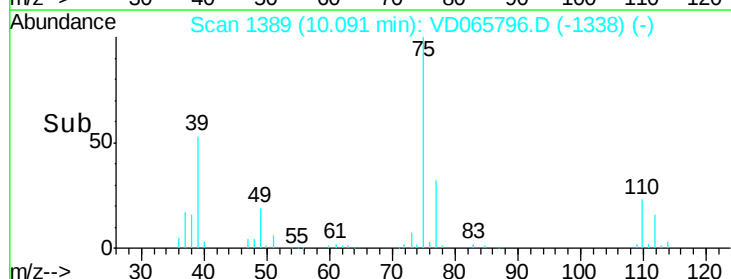
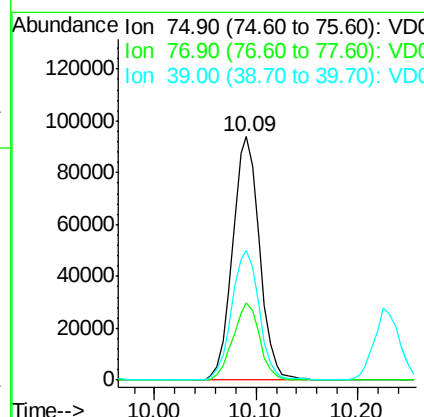
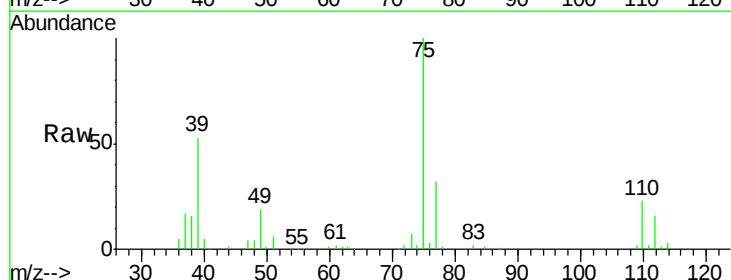
Instrument :
MSVOA_D
ClientSampleId :

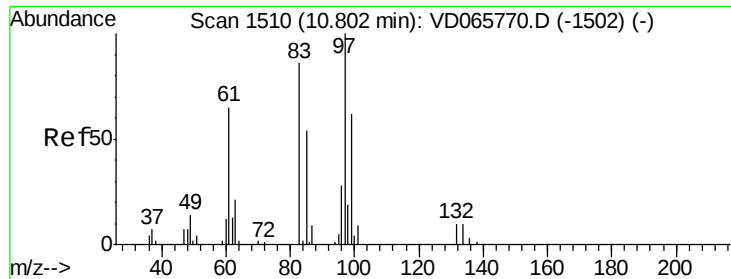
Tot Ion: 75 Resp: 147862
Ion Ratio Lower Upper
75 100
77 31.0 26.4 39.6



#54
cis-1,3-Dichloropropene
Concen: 47.269 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD065796.D
Acq: 12 Jun 2020 15:42

Tgt Ion: 75 Resp: 173516
Ion Ratio Lower Upper
75 100
77 31.9 26.0 39.0
39 53.5 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 46.544 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

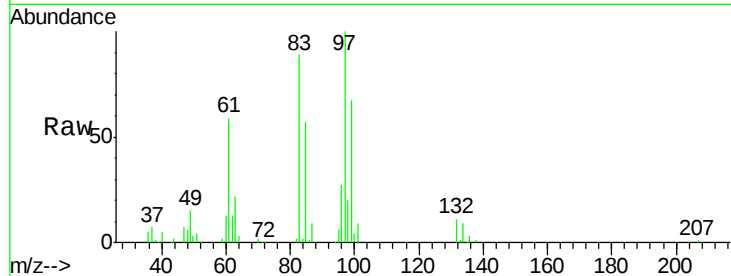
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 79657

Ion	Ratio	Lower	Upper
97	100		
83	88.4	68.7	103.1
85	56.8	43.0	64.6
99	66.5	49.8	74.6

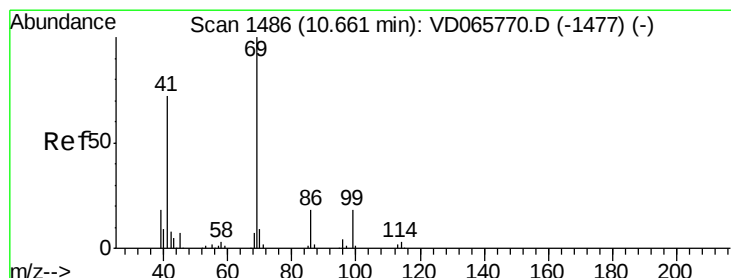
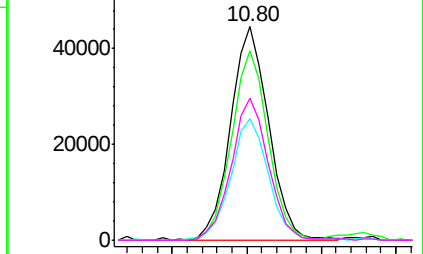
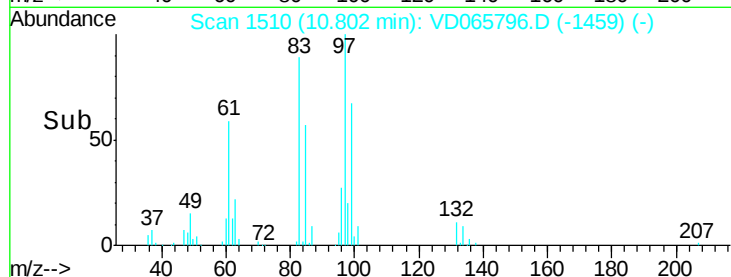


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 48.406 ug/l

RT: 10.66 min Scan# 1486

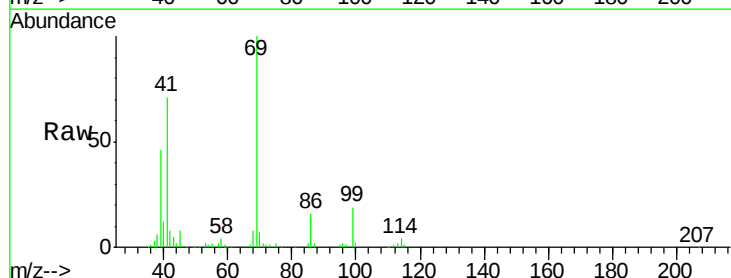
Delta R.T. -0.00 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

Tgt Ion: 69 Resp: 97443

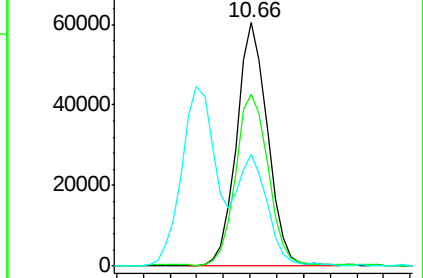
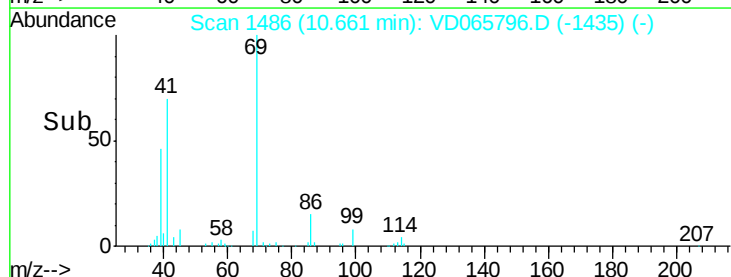
Ion	Ratio	Lower	Upper
69	100		
41	73.6	56.9	85.3
39	43.7	36.0	54.0

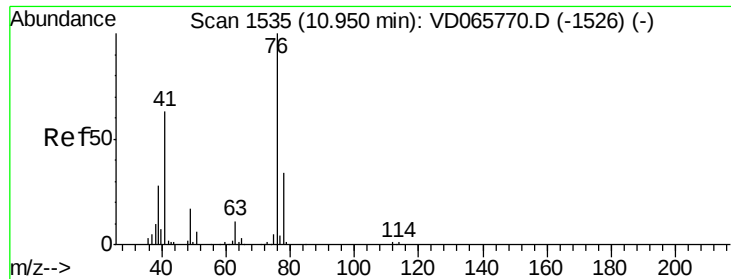


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 47.035 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

Instrument :

MSVOA_D

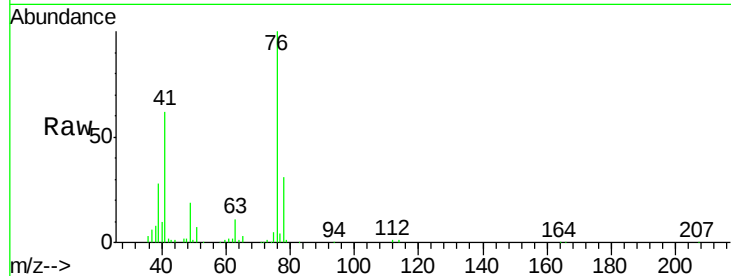
ClientSampleId :

Tot Ion: 76 Resp: 139462

Ion Ratio Lower Upper

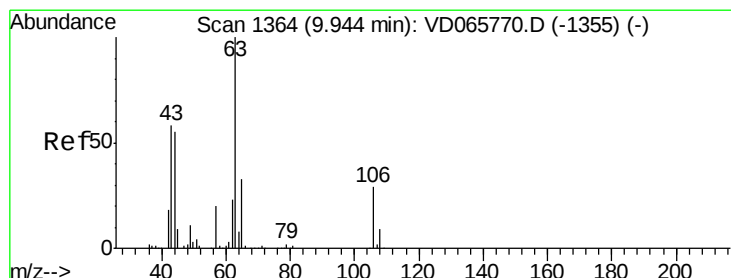
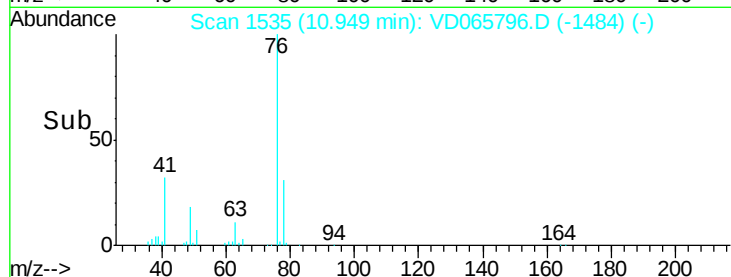
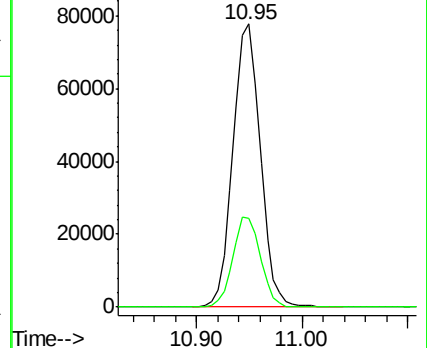
76 100

78 32.1 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 281.383 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD065796.D

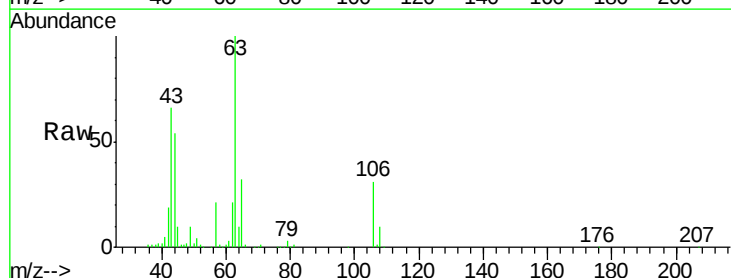
Acq: 12 Jun 2020 15:42

Tgt Ion: 63 Resp: 263343

Ion Ratio Lower Upper

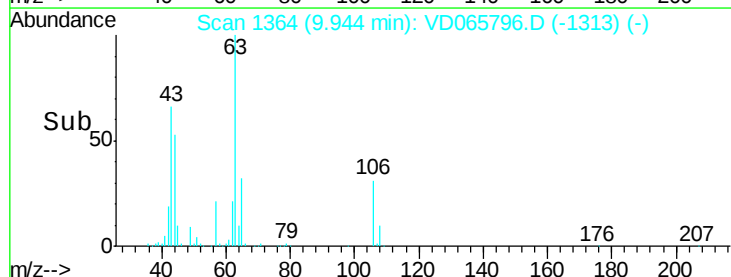
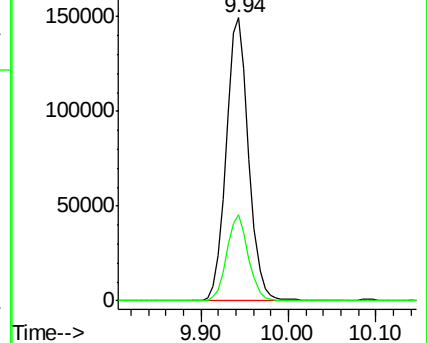
63 100

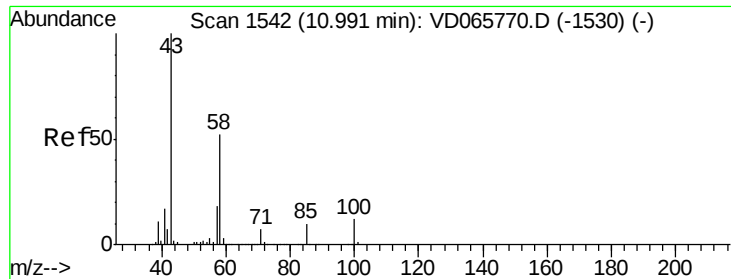
106 29.3 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

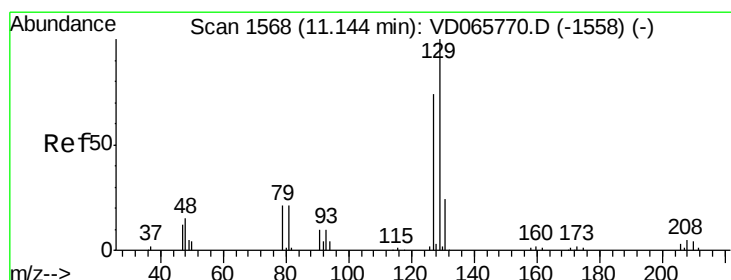
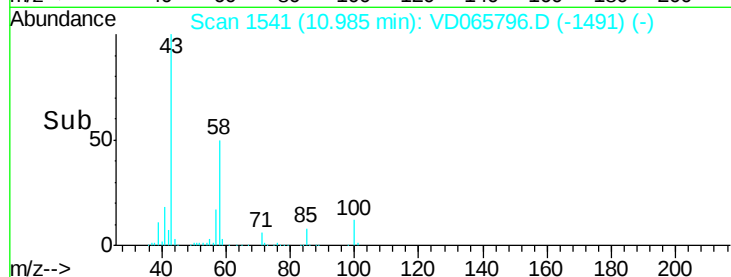
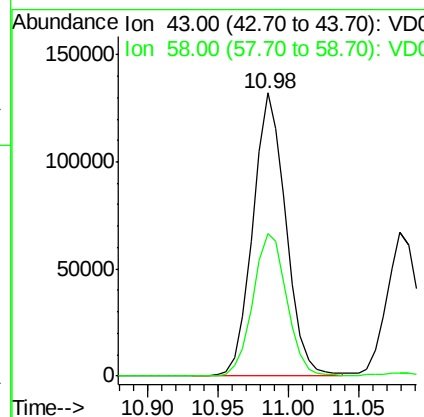
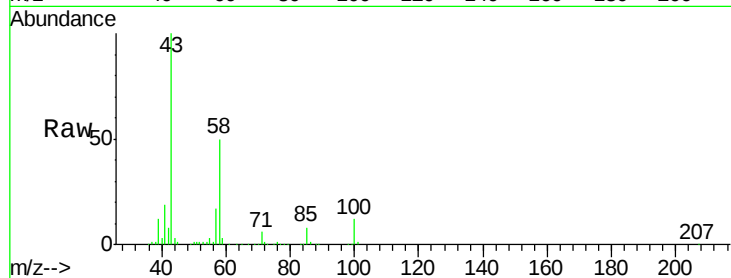




#59
2-Hexanone
Concen: 243.950 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065796.D
Acq: 12 Jun 2020 15:42

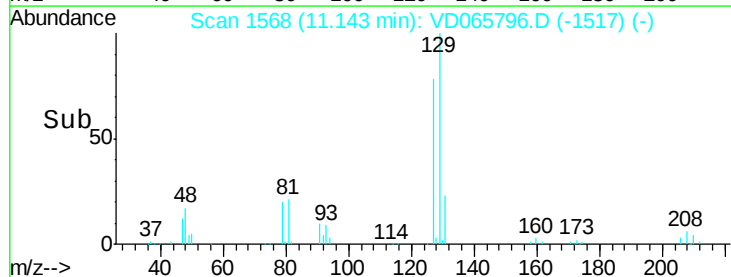
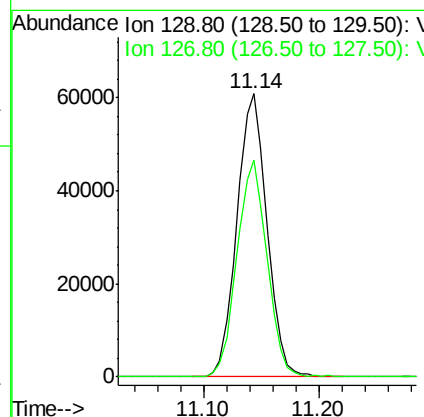
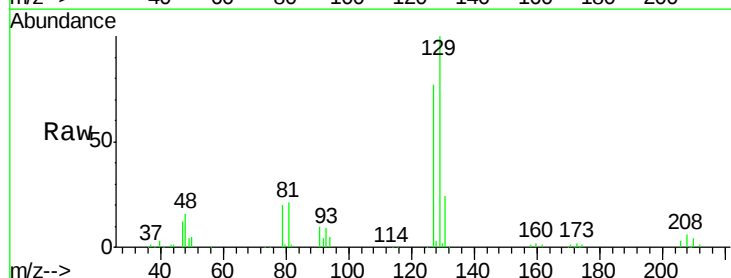
Instrument :
MSVOA_D
ClientSampled :

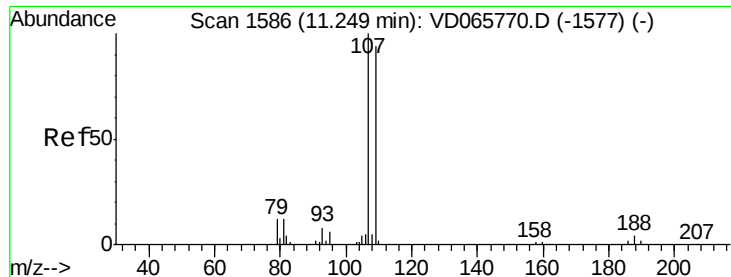
Tot Ion: 43 Resp: 217027
Ion Ratio Lower Upper
43 100
58 51.8 25.7 77.0



#60
Dibromochloromethane
Concen: 47.449 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065796.D
Acq: 12 Jun 2020 15:42

Tgt Ion: 129 Resp: 109702
Ion Ratio Lower Upper
129 100
127 76.5 38.0 113.9

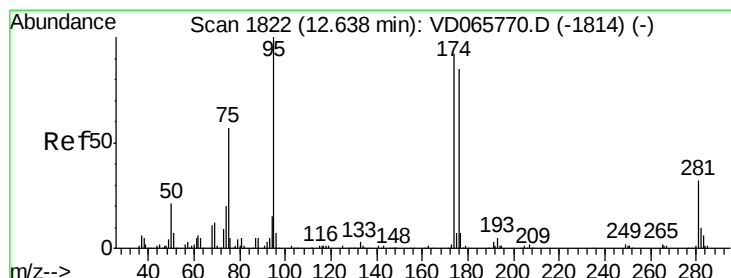
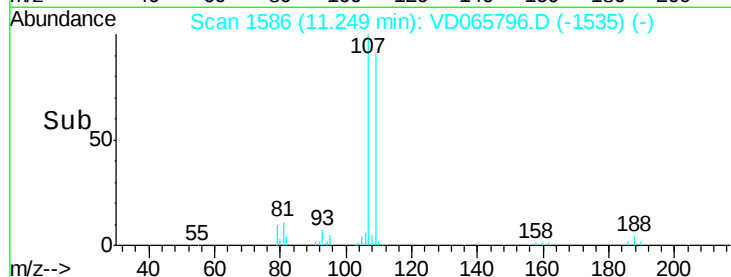
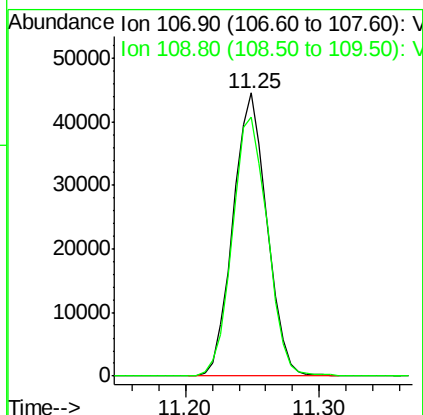
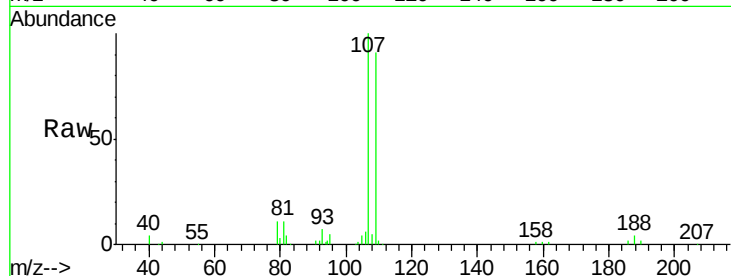




#61
 1,2-Dibromoethane
 Concen: 46.724 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065796.D
 Acq: 12 Jun 2020 15:42

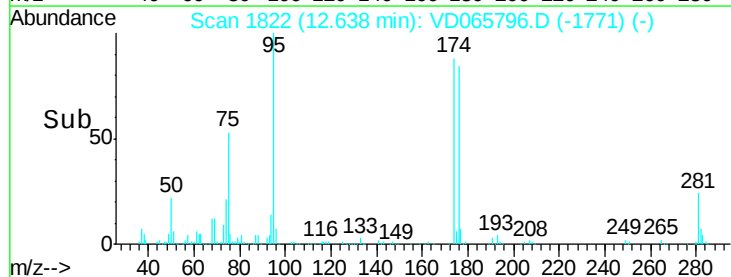
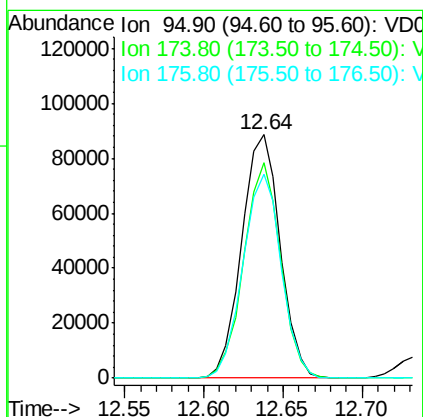
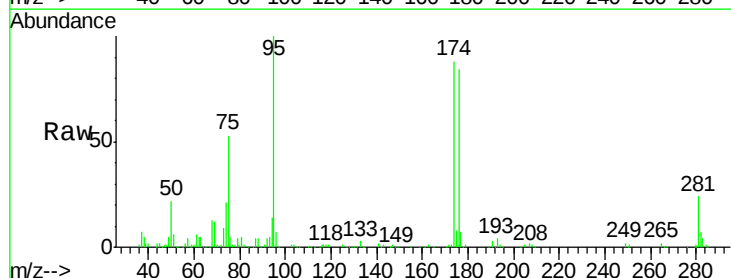
Instrument :
 MSVOA_D
 ClientSampleId :

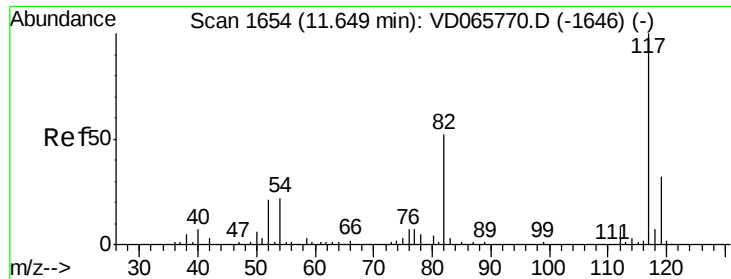
Tot Ion: 107 Resp: 78587
 Ion Ratio Lower Upper
 107 100
 109 94.7 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 52.121 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065796.D
 Acq: 12 Jun 2020 15:42

Tgt Ion: 95 Resp: 149431
 Ion Ratio Lower Upper
 95 100
 174 84.9 0.0 175.2
 176 83.3 0.0 163.0

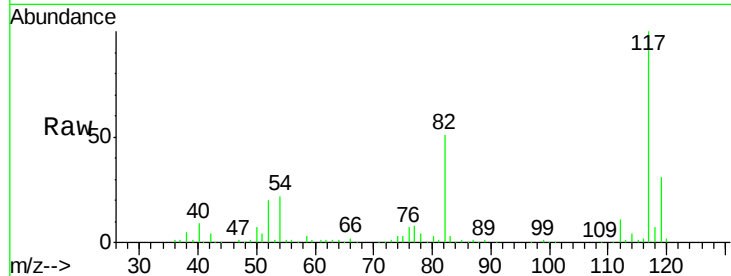




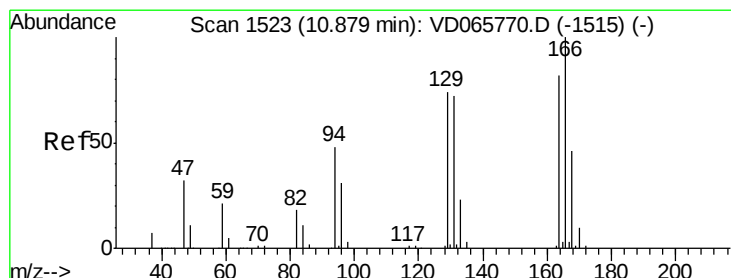
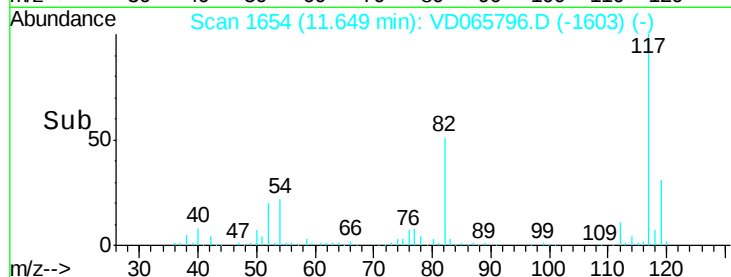
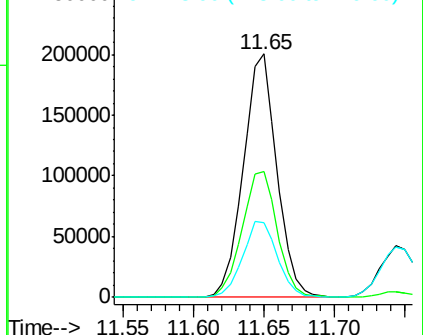
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065796.D
Acq: 12 Jun 2020 15:42

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 332313
Ion Ratio Lower Upper
117 100
82 51.4 41.9 62.9
119 30.7 25.3 37.9

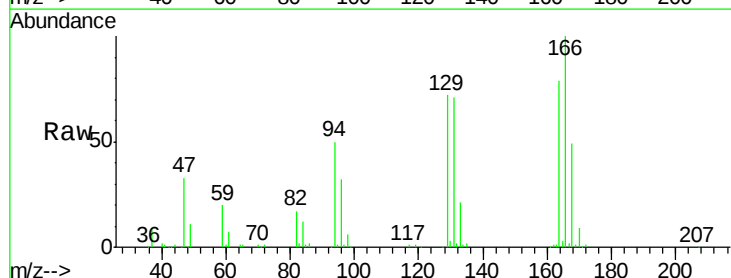


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

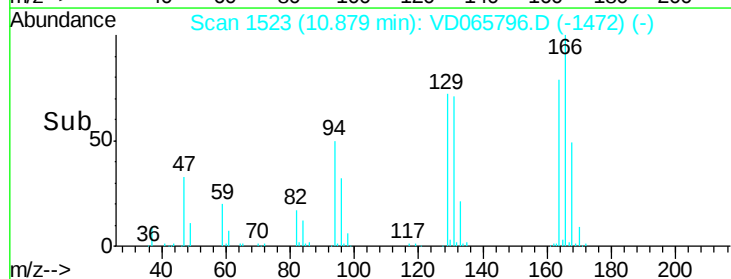
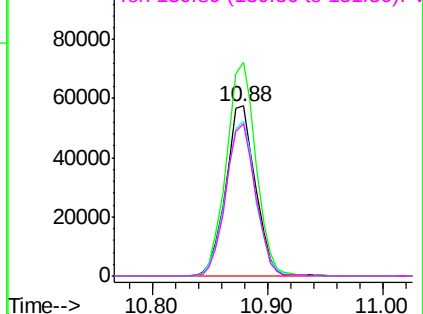


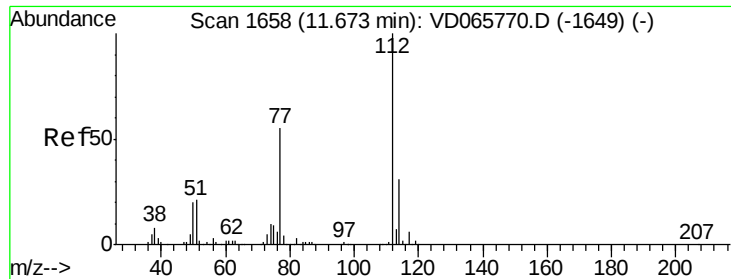
#64
Tetrachloroethene
Concen: 45.348 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065796.D
Acq: 12 Jun 2020 15:42

Tgt Ion:164 Resp: 101903
Ion Ratio Lower Upper
164 100
166 125.8 98.2 147.2
129 91.0 72.3 108.5
131 89.7 70.5 105.7



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

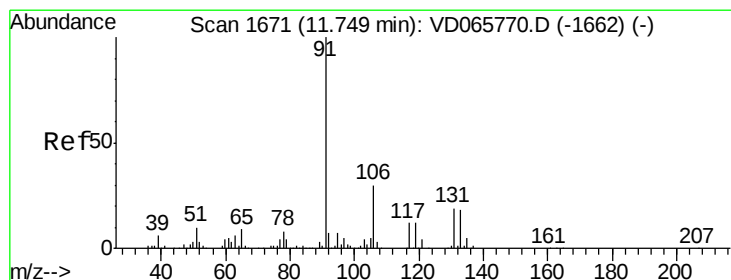
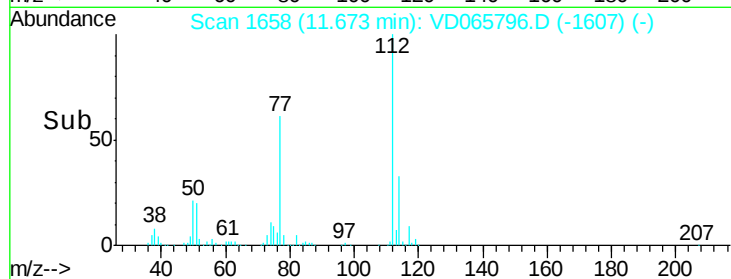
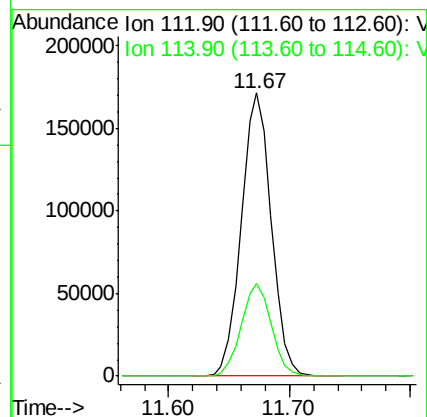
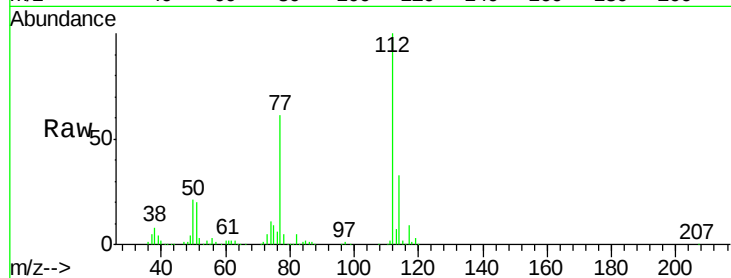




#65
Chlorobenzene
Concen: 45.667 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065796.D
Acq: 12 Jun 2020 15:42

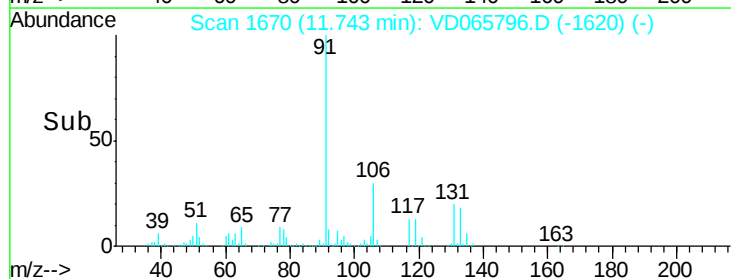
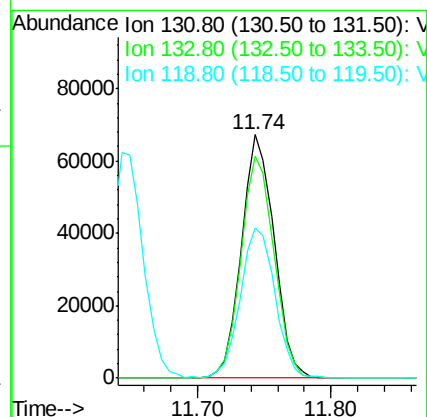
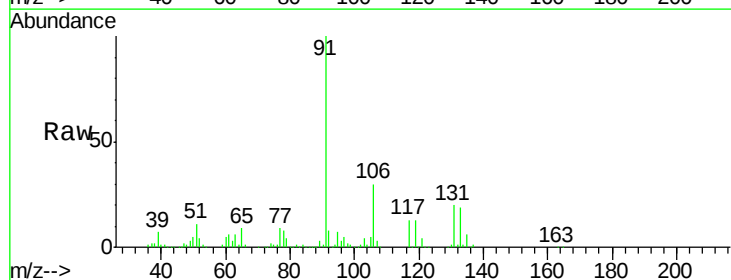
Instrument :
MSVOA_D
ClientSampleId :

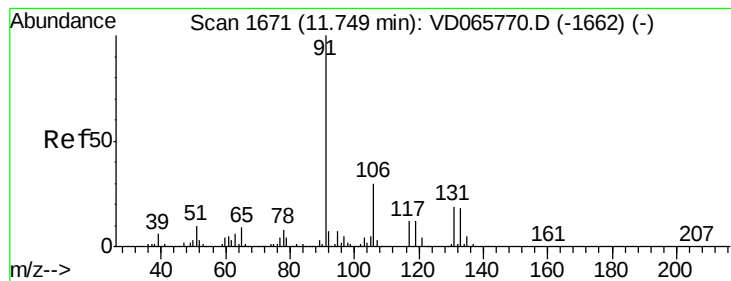
Tot Ion:112 Resp: 296268
Ion Ratio Lower Upper
112 100
114 32.9 24.7 37.1



#66
1,1,1,2-Tetrachloroethane
Concen: 47.212 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065796.D
Acq: 12 Jun 2020 15:42

Tgt Ion:131 Resp: 114170
Ion Ratio Lower Upper
131 100
133 92.8 47.3 141.9
119 65.2 31.6 94.8





#67

Ethyl Benzene

Concen: 47.236 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

Instrument :

MSVOA_D

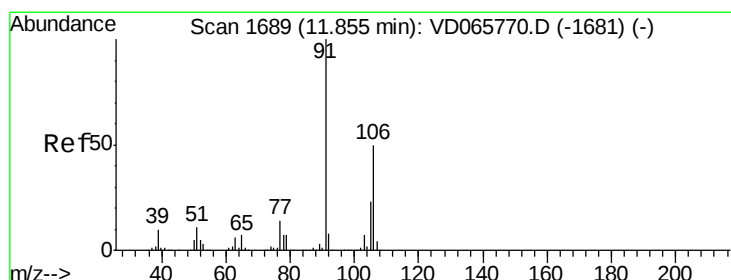
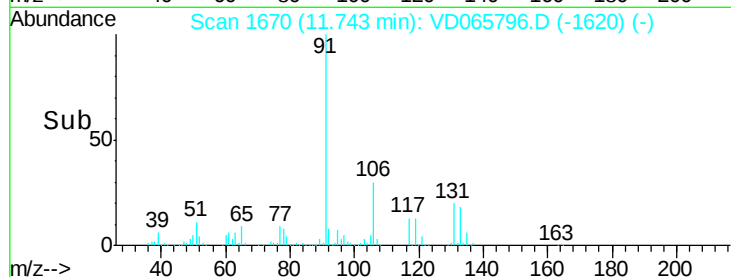
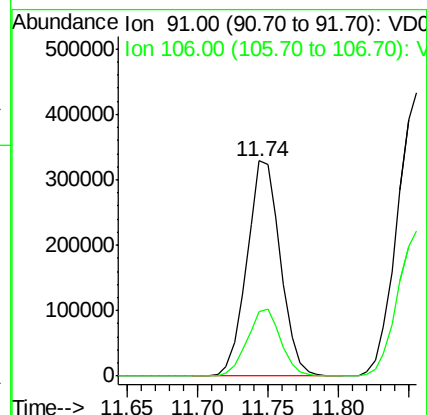
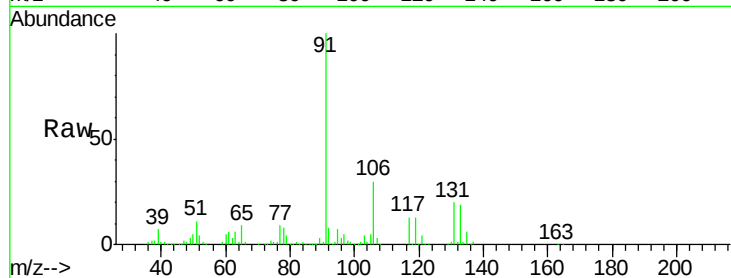
ClientSampleId :

Tot Ion: 91 Resp: 547438

Ion Ratio Lower Upper

91 100

106 29.7 24.1 36.1



#68

m/p-Xylenes

Concen: 96.153 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065796.D

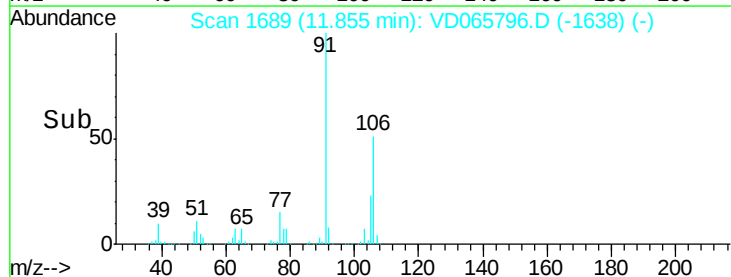
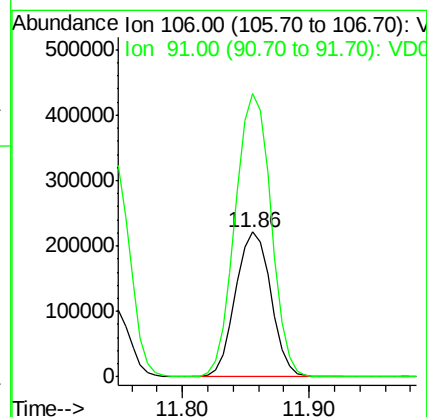
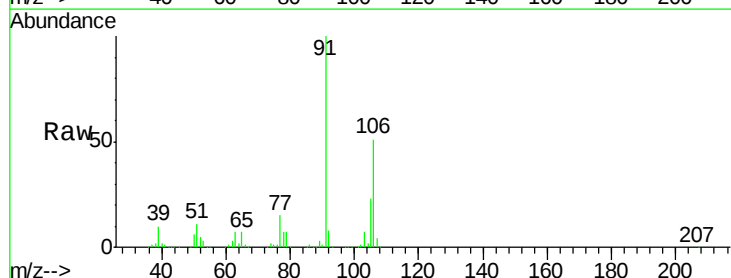
Acq: 12 Jun 2020 15:42

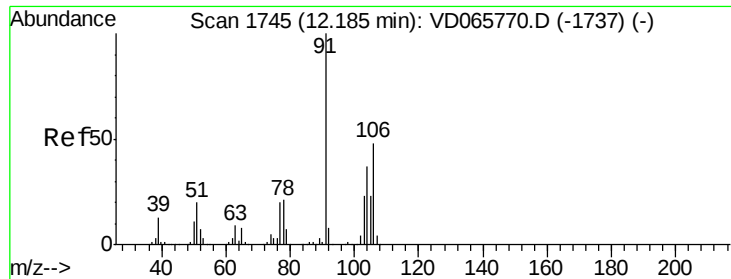
Tgt Ion: 106 Resp: 429234

Ion Ratio Lower Upper

106 100

91 198.0 159.4 239.2

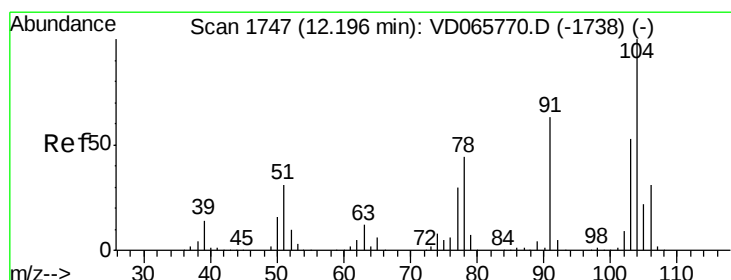
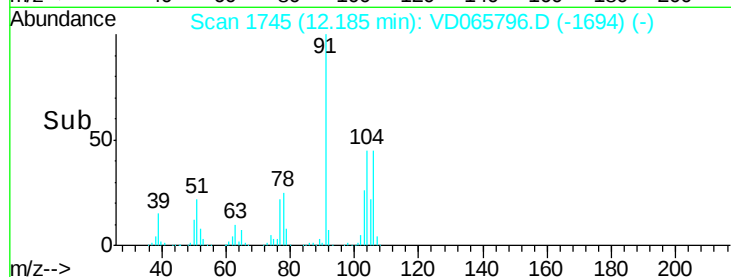
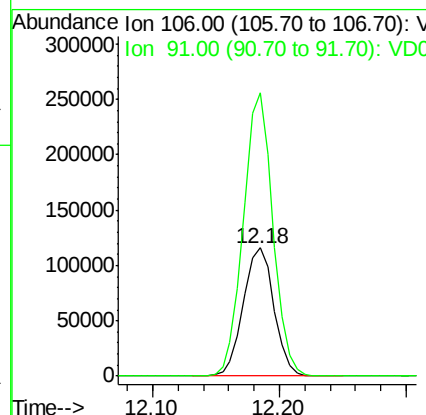
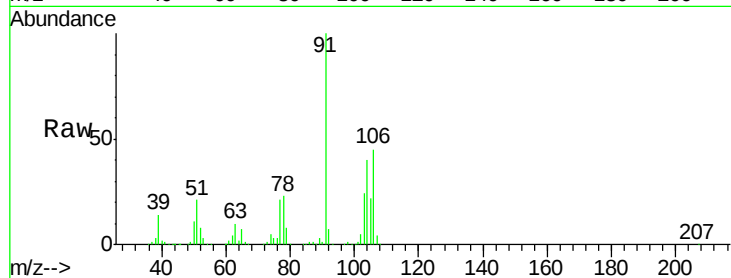




#69
o-Xylene
Concen: 48.468 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065796.D
Acq: 12 Jun 2020 15:42

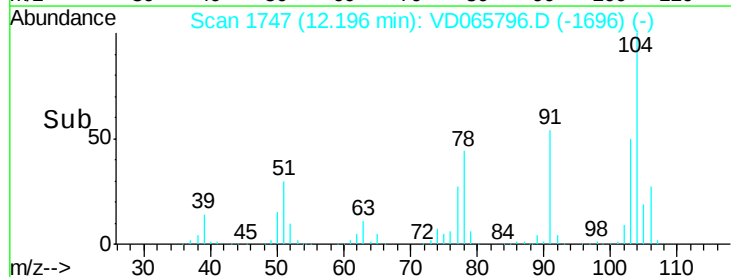
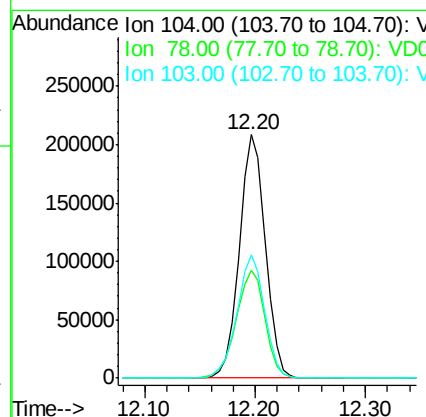
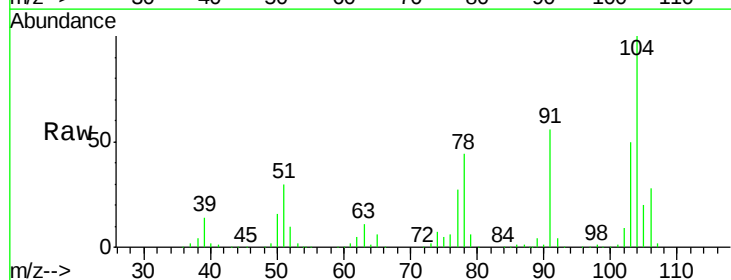
Instrument :
MSVOA_D
ClientSampleId :

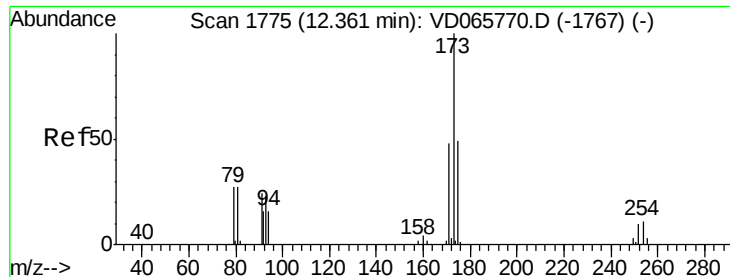
Tot Ion:106 Resp: 195083
Ion Ratio Lower Upper
106 100
91 211.2 105.3 315.8



#70
Styrene
Concen: 49.413 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065796.D
Acq: 12 Jun 2020 15:42

Tgt Ion:104 Resp: 344301
Ion Ratio Lower Upper
104 100
78 48.9 38.6 58.0
103 53.8 43.9 65.9





#71

Bromoform

Concen: 47.338 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

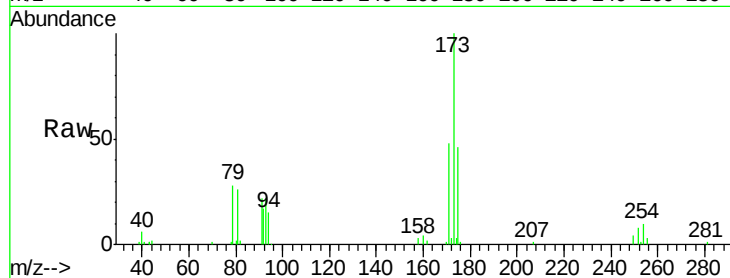
Tot Ion:173 Resp: 63038

Ion Ratio Lower Upper

173 100

175 48.3 24.8 74.4

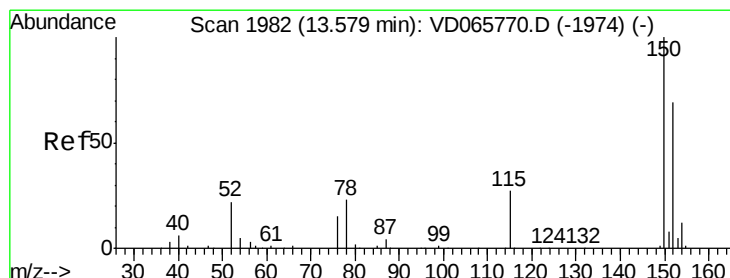
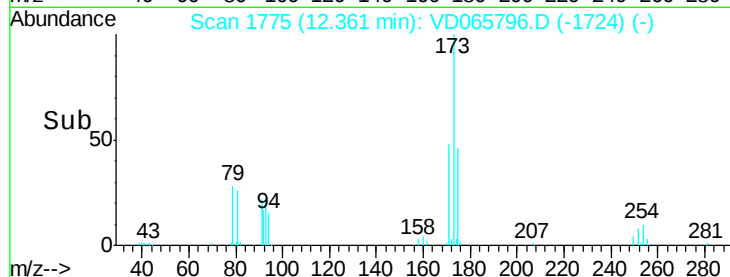
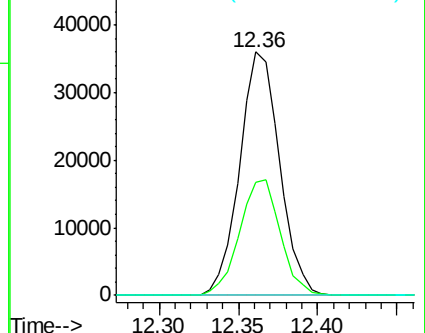
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

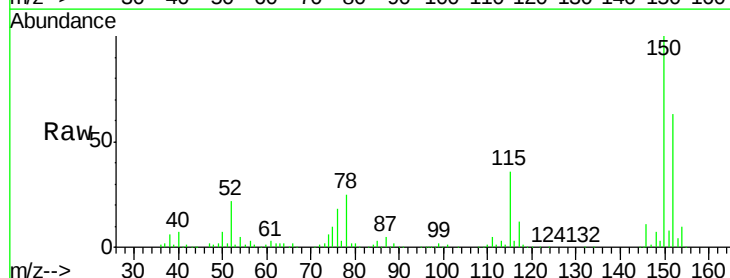
Tgt Ion:152 Resp: 169679

Ion Ratio Lower Upper

152 100

115 56.5 28.7 86.1

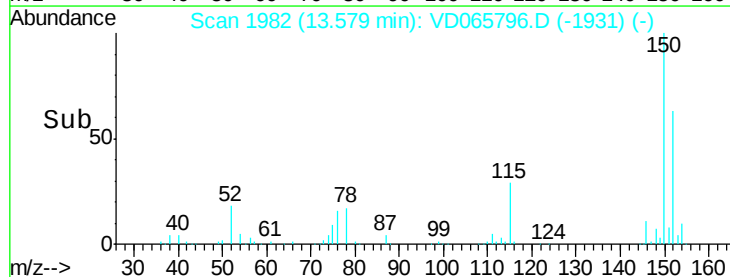
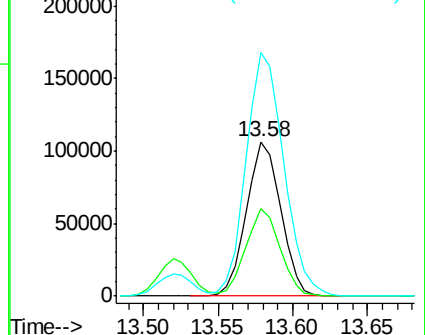
150 173.4 0.0 348.0

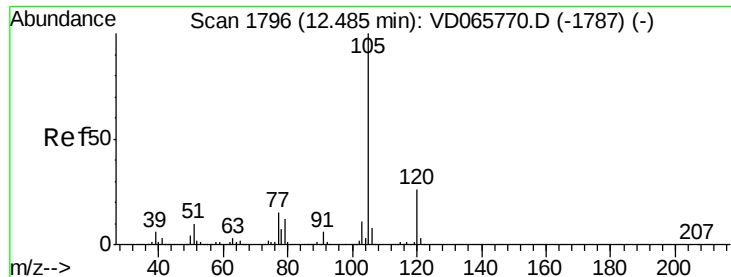


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

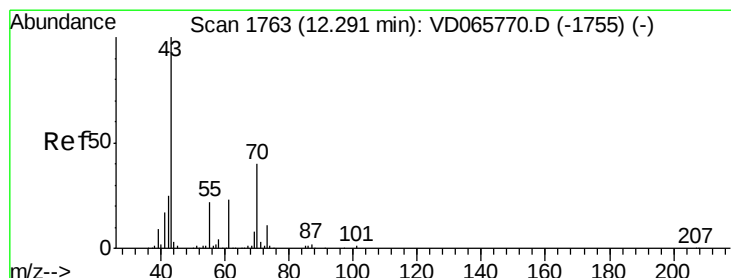
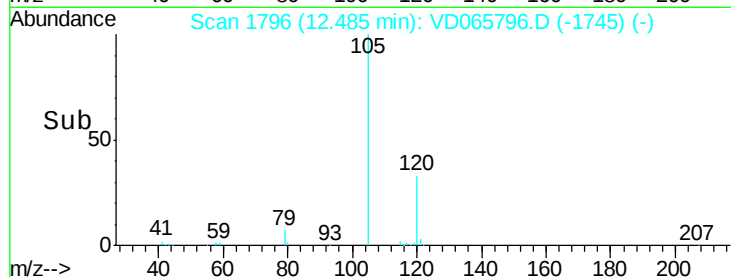
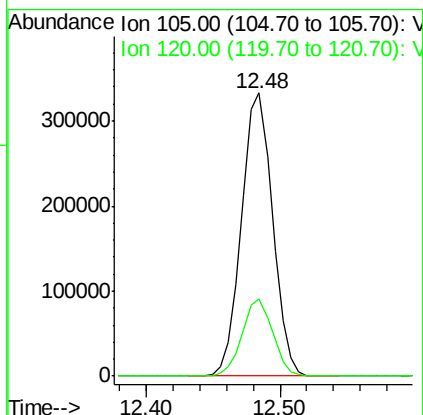
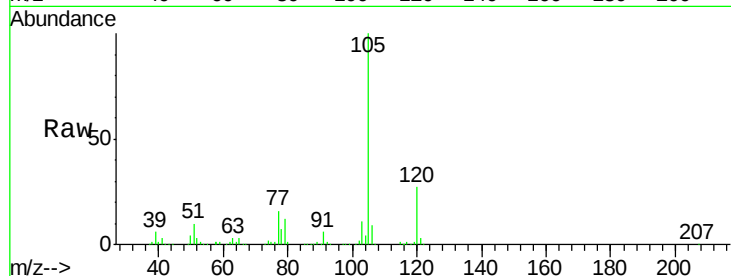




#73
Isopropylbenzene
Concen: 47.089 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065796.D
Acq: 12 Jun 2020 15:42

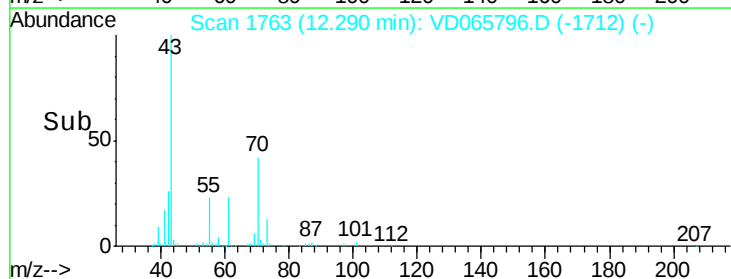
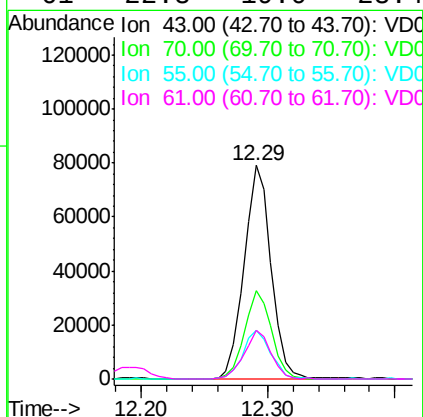
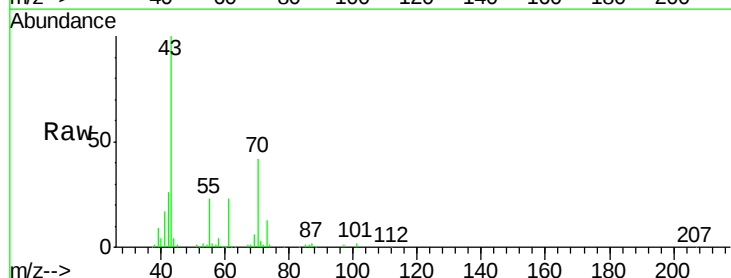
Instrument :
MSVOA_D
ClientSampleId :

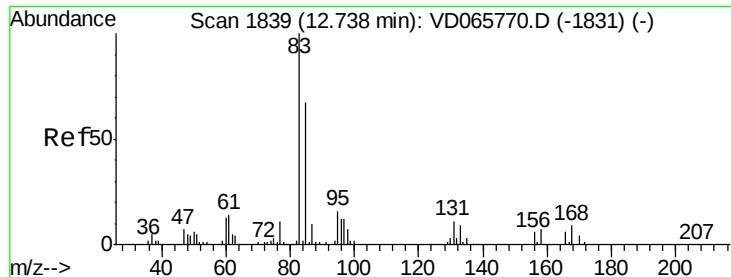
Tot Ion:105 Resp: 535707
Ion Ratio Lower Upper
105 100
120 26.7 13.5 40.5



#74
N-ethyl acetate
Concen: 46.185 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD065796.D
Acq: 12 Jun 2020 15:42

Tgt Ion: 43 Resp: 116893
Ion Ratio Lower Upper
43 100
70 41.4 32.3 48.5
55 23.6 19.0 28.4
61 22.8 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 45.621 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

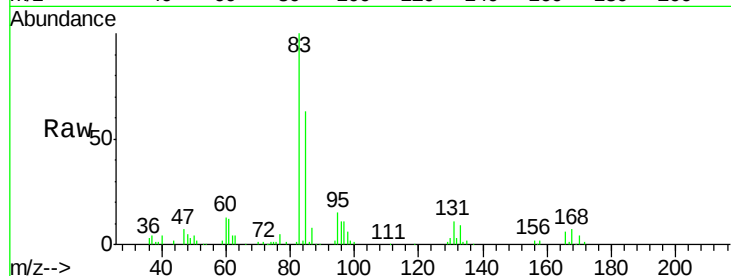
Tot Ion: 83 Resp: 87651

Ion Ratio Lower Upper

83 100

131 10.6 5.5 16.4

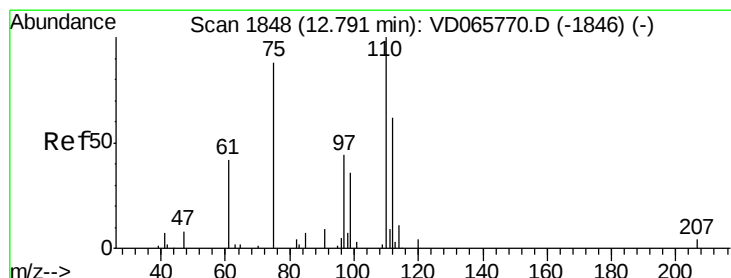
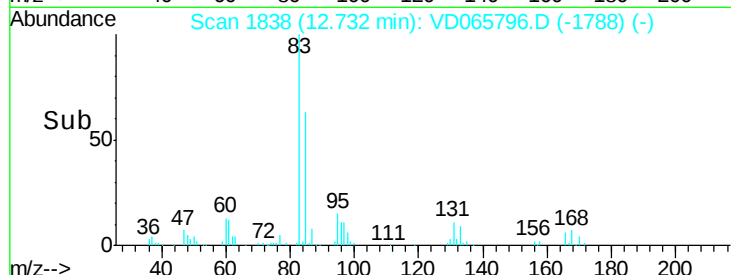
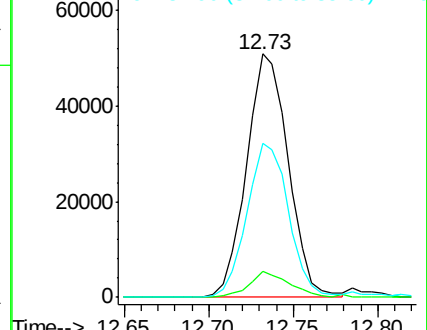
85 62.9 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 85.372 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065796.D

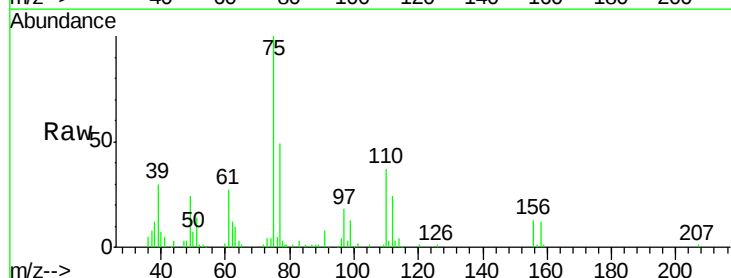
Acq: 12 Jun 2020 15:42

Tgt Ion: 75 Resp: 112658

Ion Ratio Lower Upper

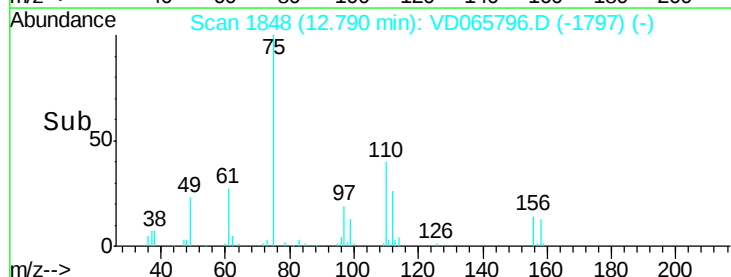
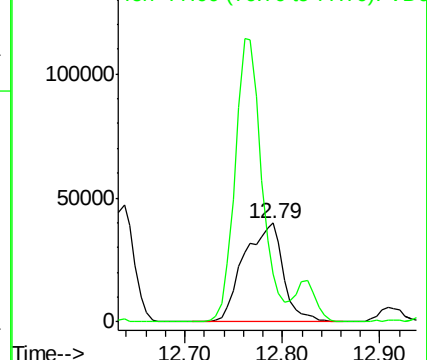
75 100

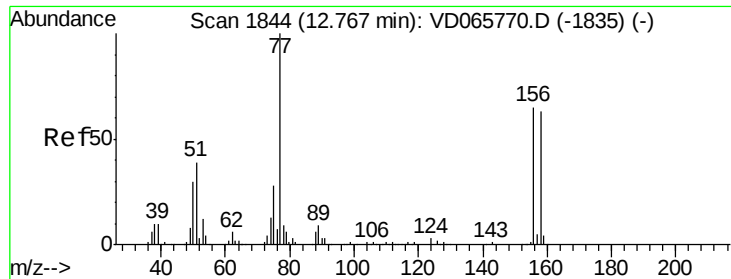
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 45.518 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

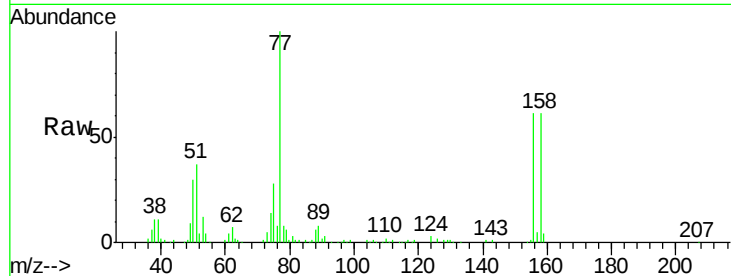
Tot Ion:156 Resp: 122520

Ion Ratio Lower Upper

156 100

77 177.8 87.3 261.8

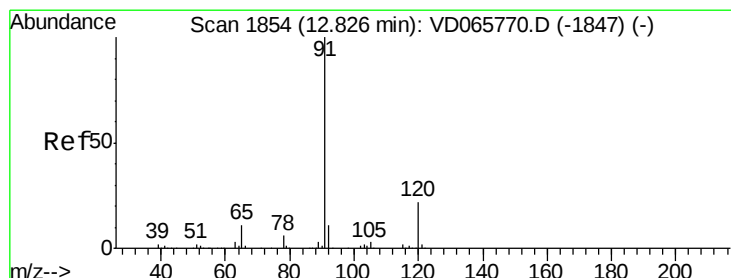
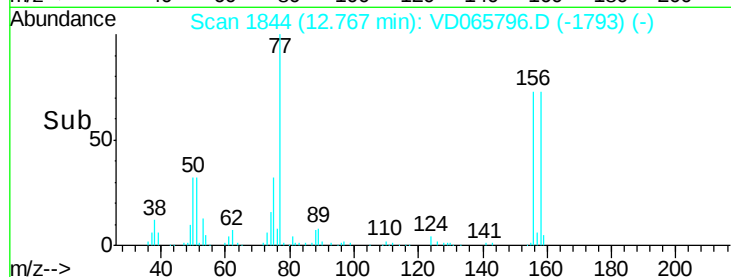
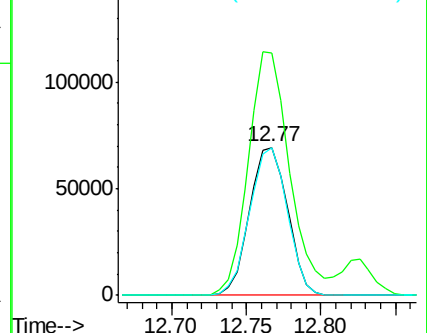
158 98.3 48.0 144.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.146 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065796.D

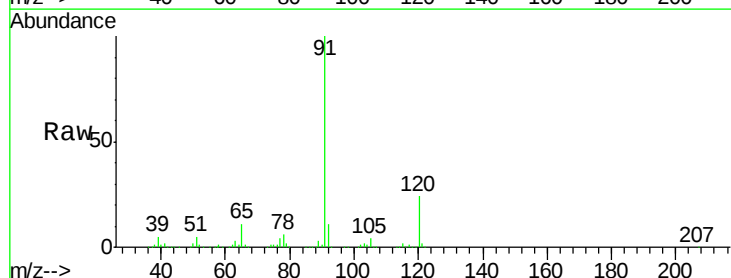
Acq: 12 Jun 2020 15:42

Tgt Ion: 91 Resp: 645608

Ion Ratio Lower Upper

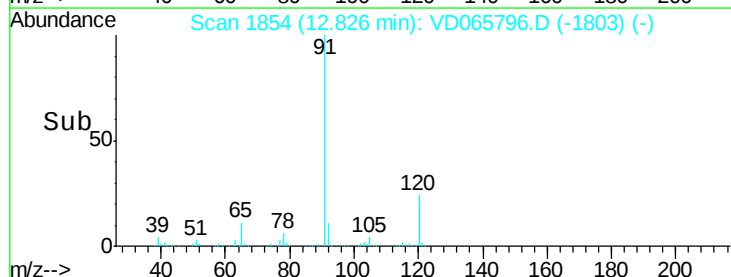
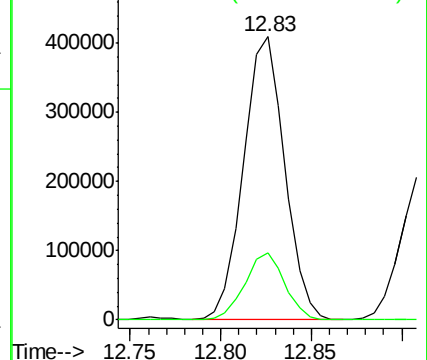
91 100

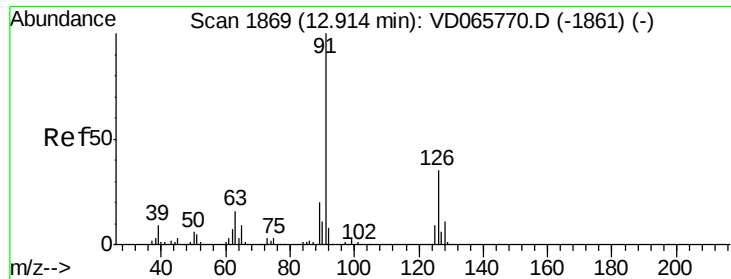
120 23.1 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.267 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

Instrument :

MSVOA_D

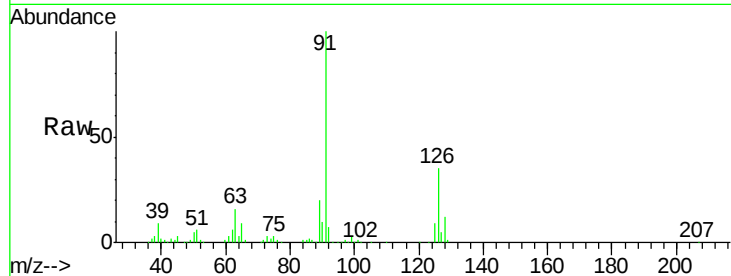
ClientSampleId :

Tot Ion: 91 Resp: 355079

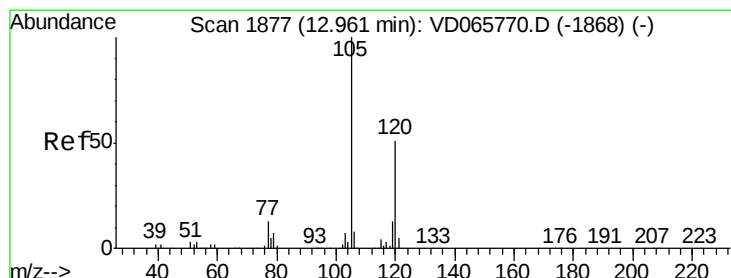
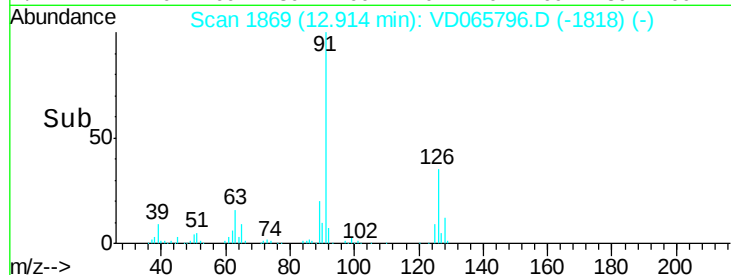
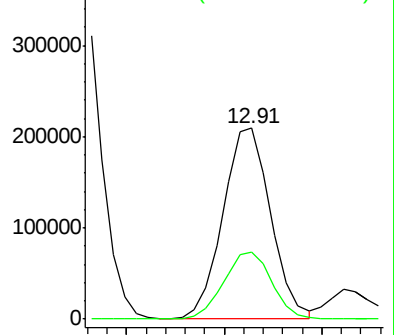
Ion Ratio Lower Upper

91 100

126 35.4 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VD065770.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.133 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD065796.D

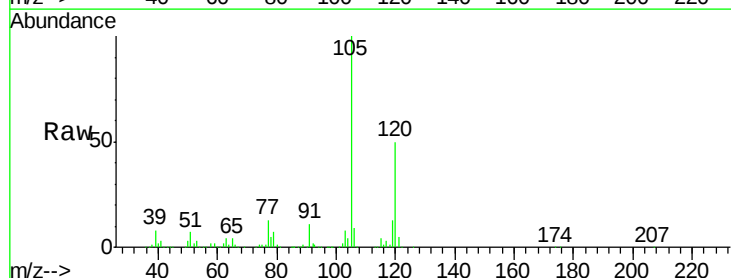
Acq: 12 Jun 2020 15:42

Tgt Ion:105 Resp: 455674

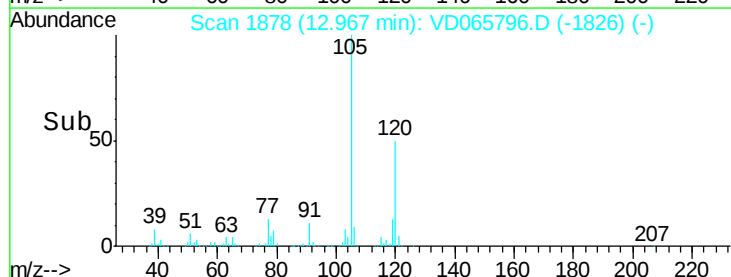
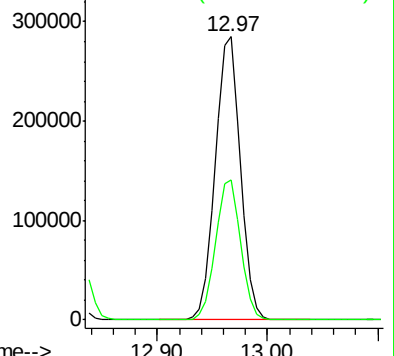
Ion Ratio Lower Upper

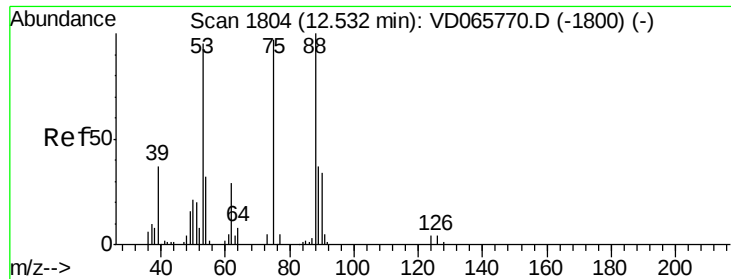
105 100

120 49.4 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065770.D (-1868) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 47.143 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

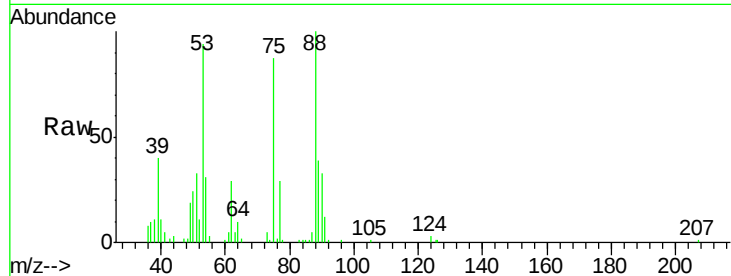
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 28793

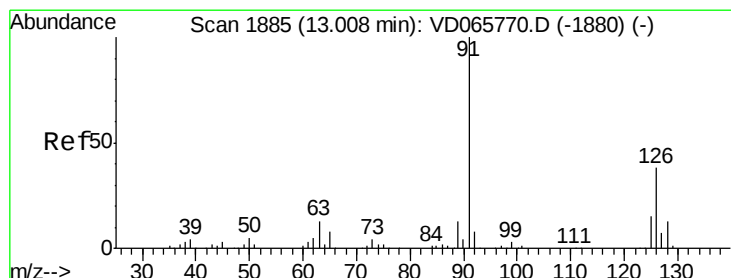
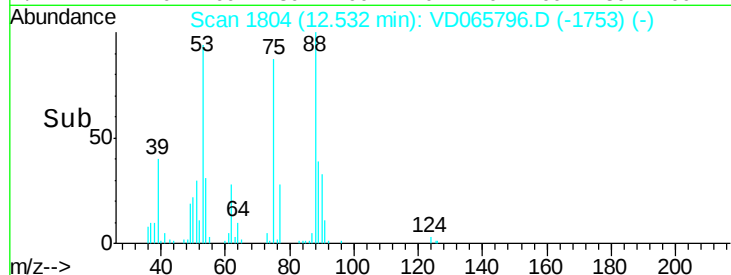
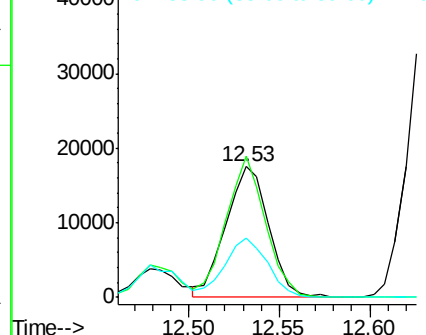
Ion	Ratio	Lower	Upper
75	100		
53	99.2	82.6	123.8
89	45.4	35.9	53.9



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 47.476 ug/l

RT: 13.01 min Scan# 1885

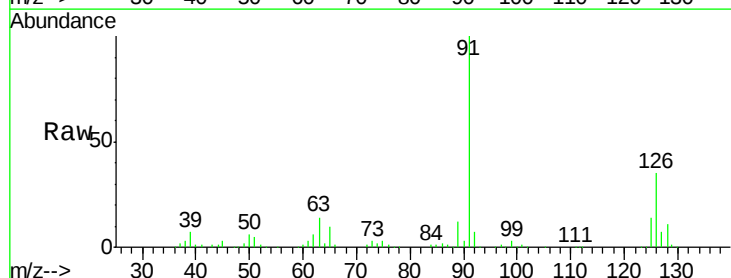
Delta R.T. -0.00 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

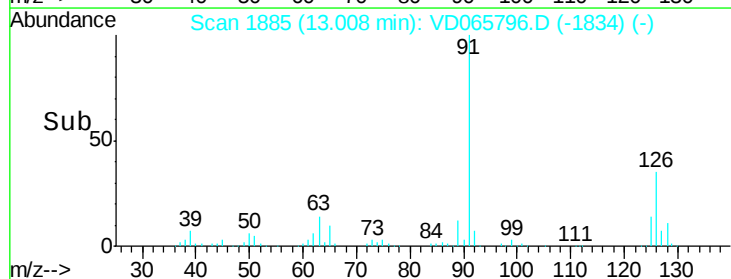
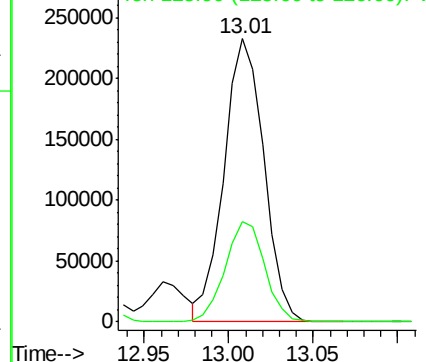
Tgt Ion: 91 Resp: 382817

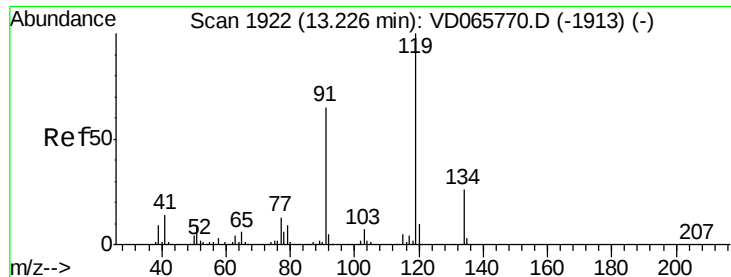
Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.6	52.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

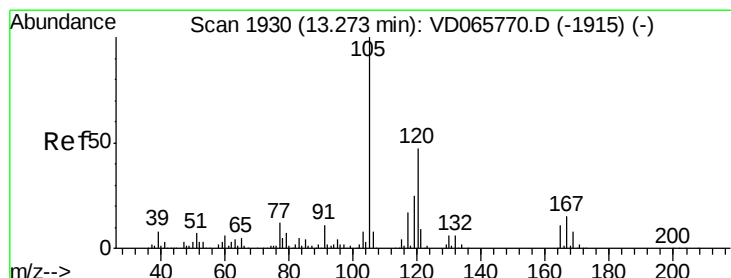
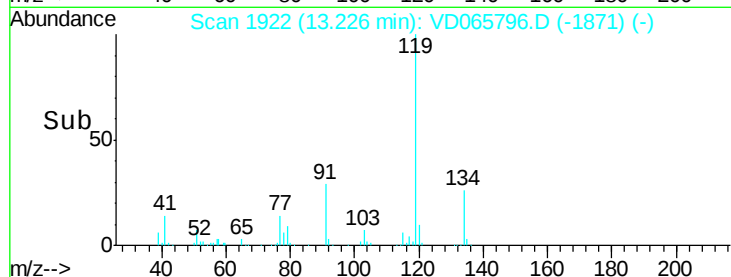
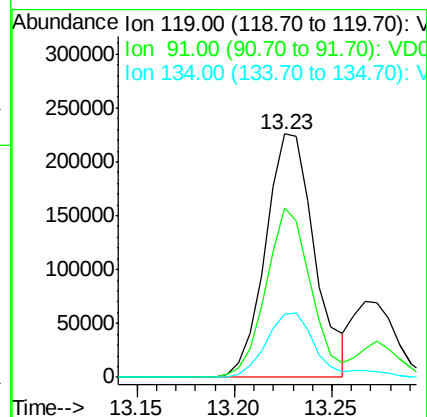
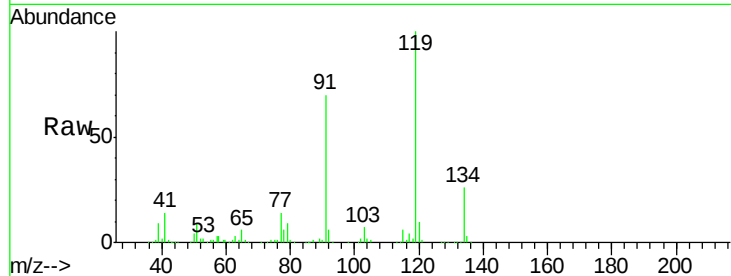




#83
tert-Butylbenzene
Concen: 47.934 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD065796.D
Acq: 12 Jun 2020 15:42

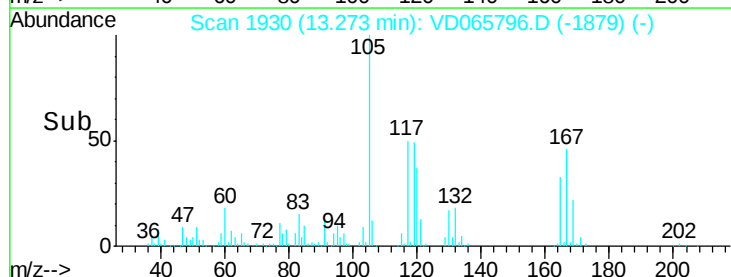
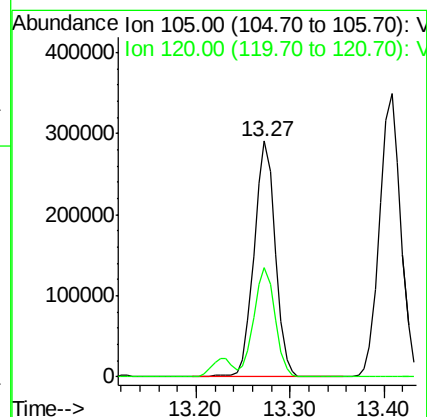
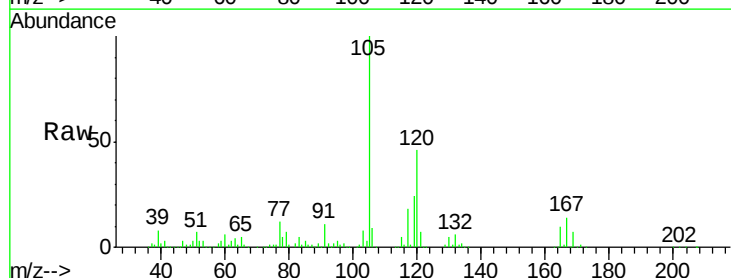
Instrument :
MSVOA_D
ClientSampled :

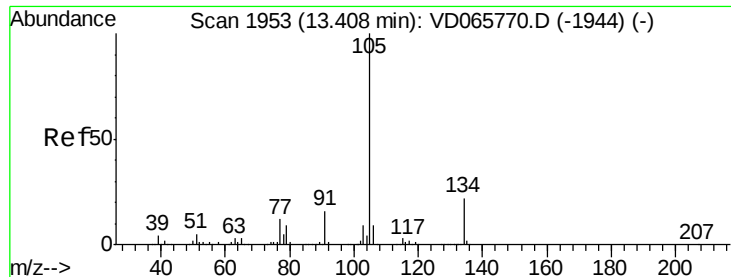
Tot Ion:119 Resp: 393750
Ion Ratio Lower Upper
119 100
91 63.6 32.0 96.0
134 27.4 13.8 41.4



#84
1,2,4-Trimethylbenzene
Concen: 47.936 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD065796.D
Acq: 12 Jun 2020 15:42

Tgt Ion:105 Resp: 454229
Ion Ratio Lower Upper
105 100
120 46.5 23.3 69.8





#85

sec-Butylbenzene

Concen: 47.631 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

Instrument :

MSVOA_D

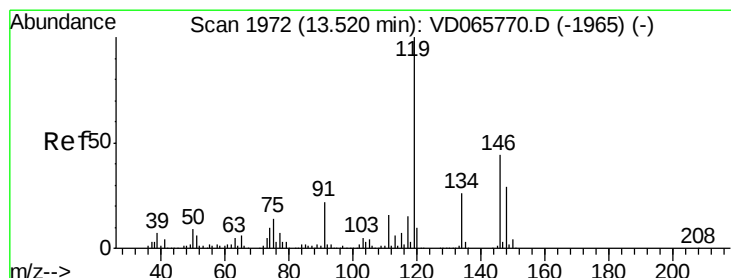
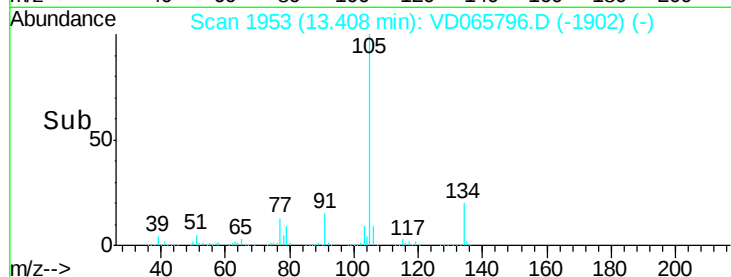
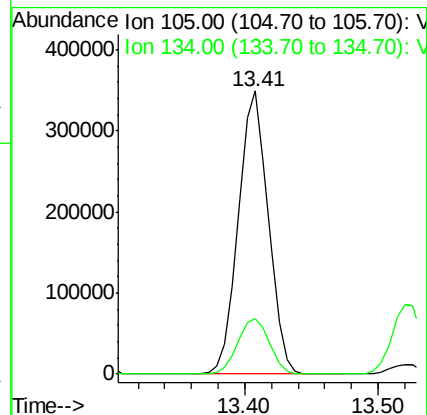
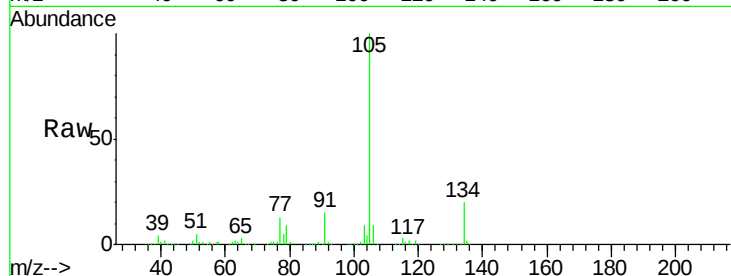
ClientSampleId :

Tot Ion:105 Resp: 544512

Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.4



#86

p-Isopropyltoluene

Concen: 48.427 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

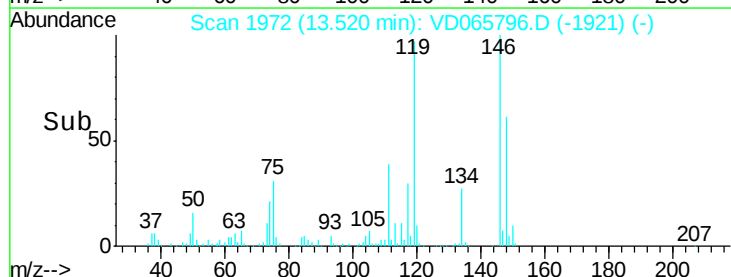
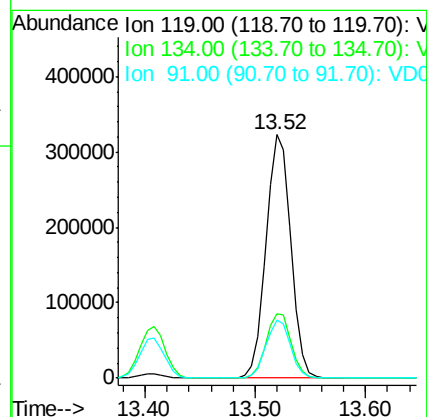
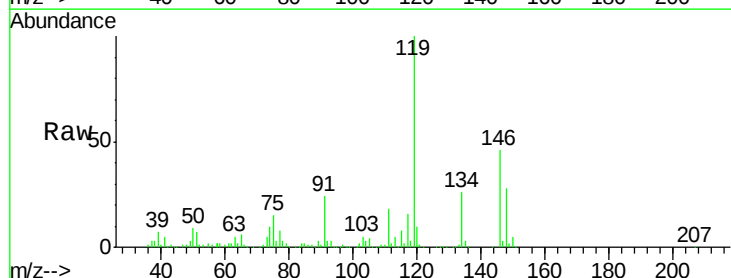
Tgt Ion:119 Resp: 507413

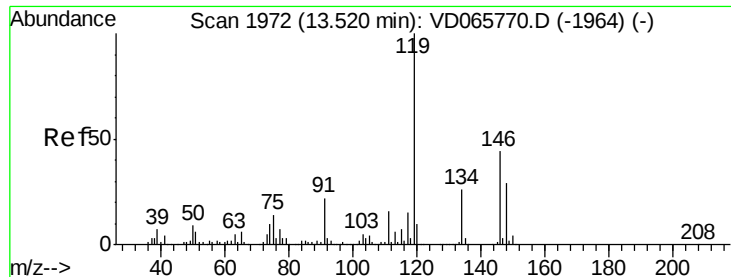
Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

91 23.7 11.8 35.4

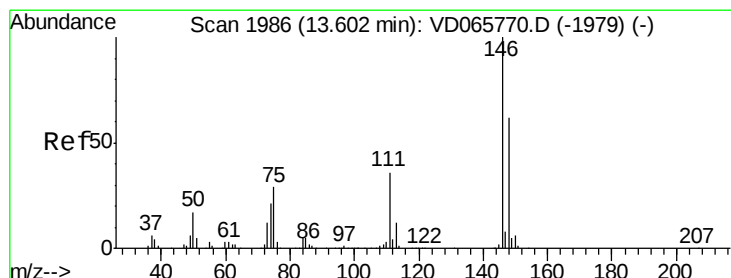
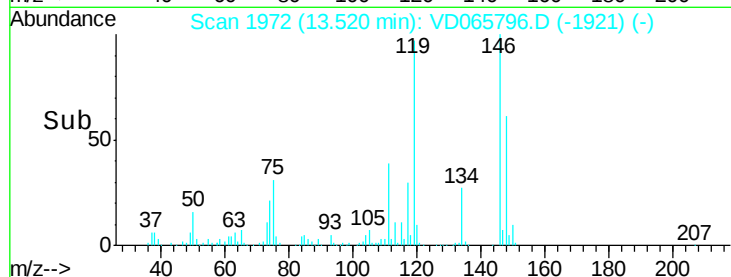
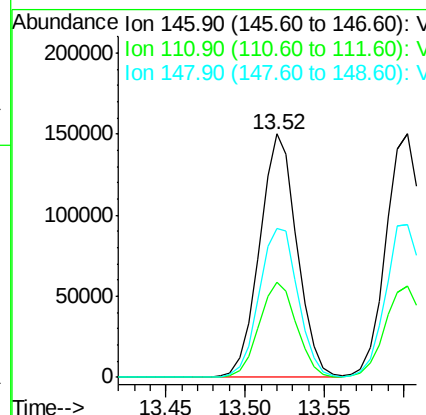
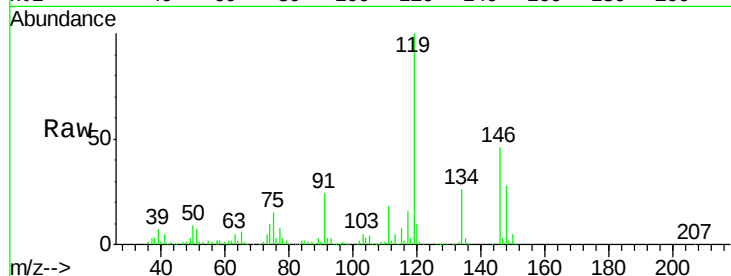




#87
 1,3-Dichlorobenzene
 Concen: 46.326 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD065796.D
 Acq: 12 Jun 2020 15:42

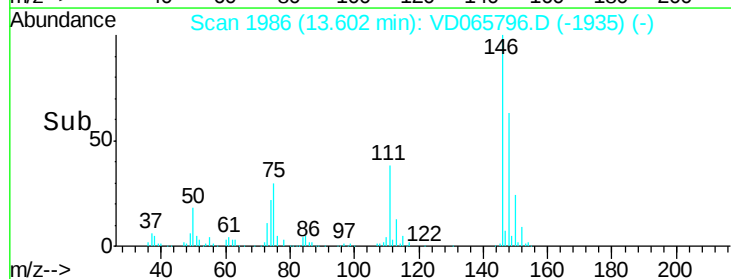
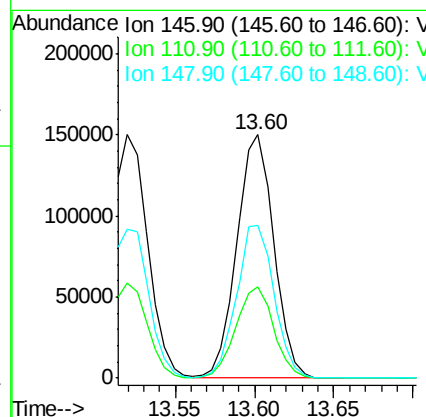
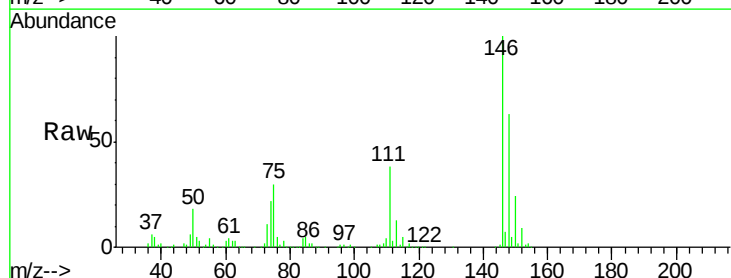
Instrument :
 MSVOA_D
 ClientSampleId :

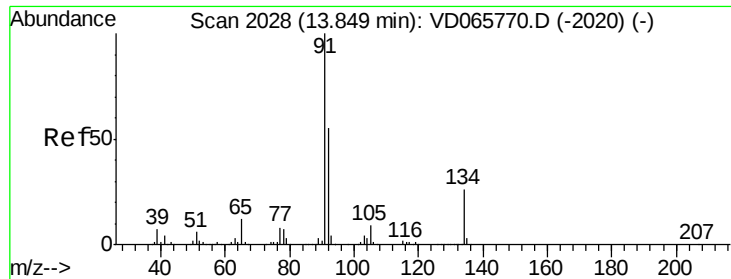
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.2	57.6
148	63.9	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 46.013 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065796.D
 Acq: 12 Jun 2020 15:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.9	56.7
148	63.7	31.6	94.7

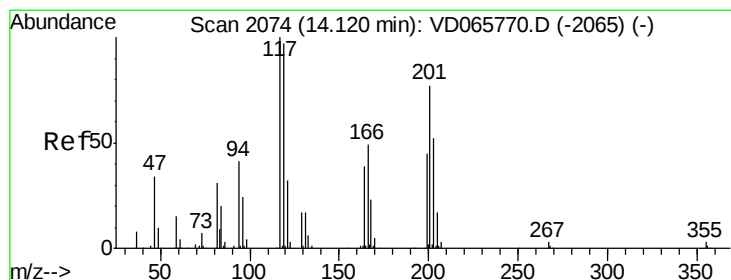
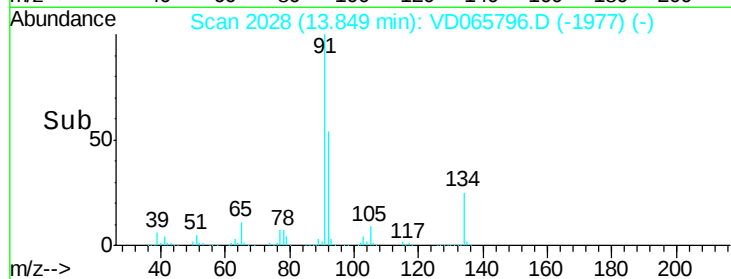
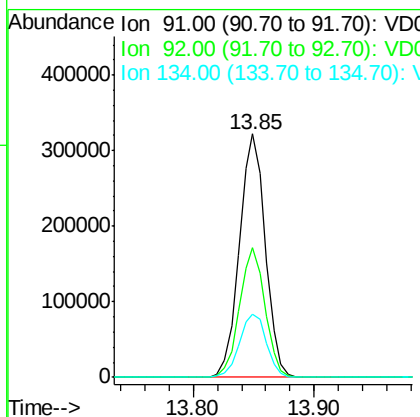
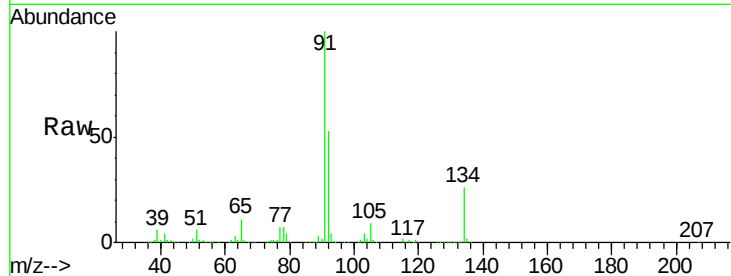




#89
n-Butylbenzene
Concen: 48.142 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065796.D
Acq: 12 Jun 2020 15:42

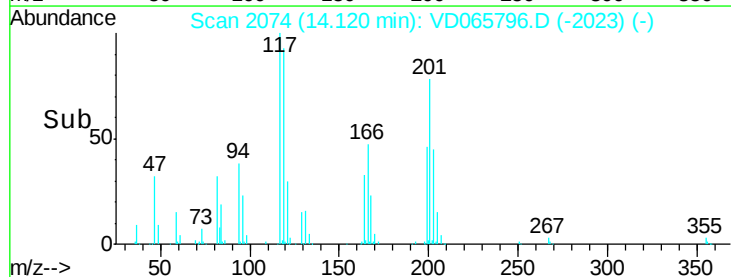
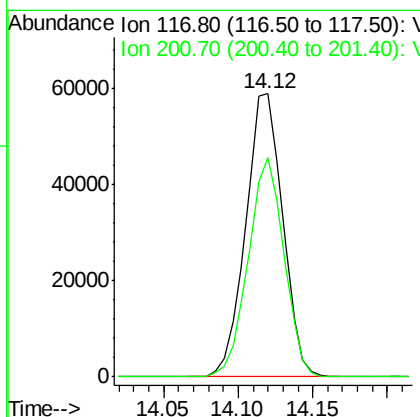
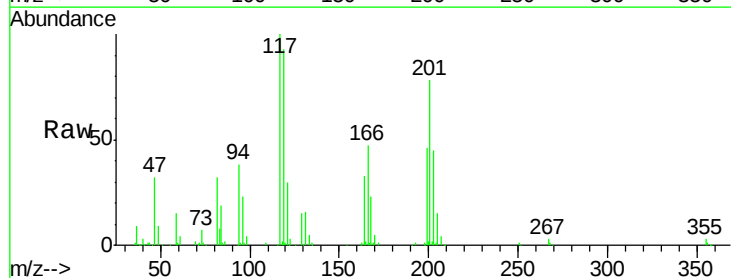
Instrument :
MSVOA_D
ClientSampleId :

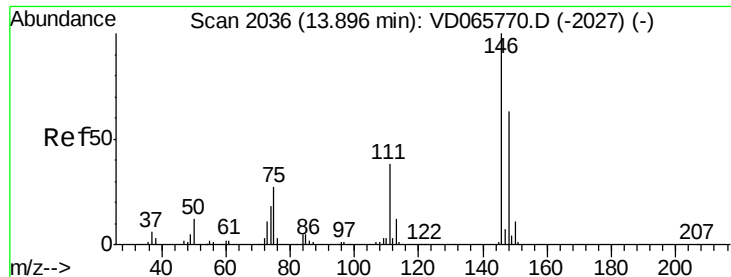
Tot Ion: 91 Resp: 481093
Ion Ratio Lower Upper
91 100
92 52.6 27.0 81.0
134 27.0 13.0 39.0



#90
Hexachloroethane
Concen: 48.137 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065796.D
Acq: 12 Jun 2020 15:42

Tgt Ion: 117 Resp: 100957
Ion Ratio Lower Upper
117 100
201 74.8 37.1 111.5





#91

1,2-Dichlorobenzene

Concen: 46.303 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

Instrument :

MSVOA_D

ClientSampleId :

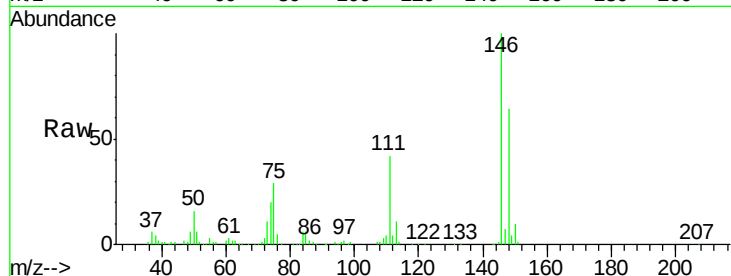
Tot Ion:146 Resp: 211491

Ion Ratio Lower Upper

146 100

111 41.0 19.8 59.4

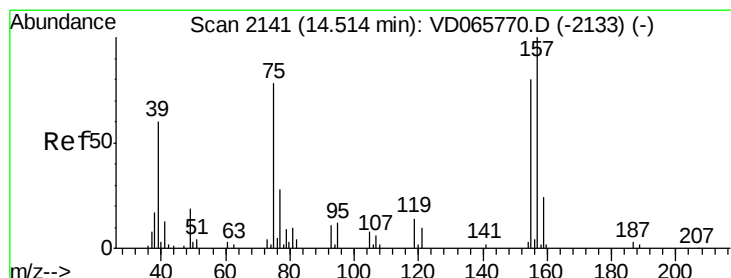
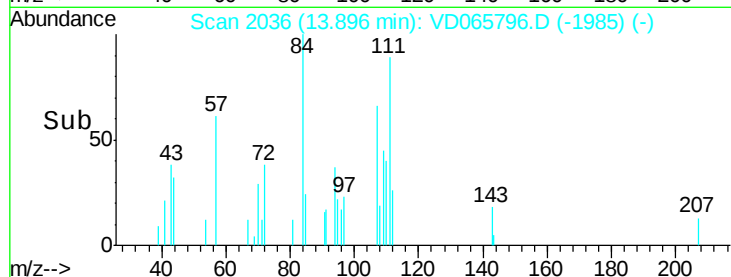
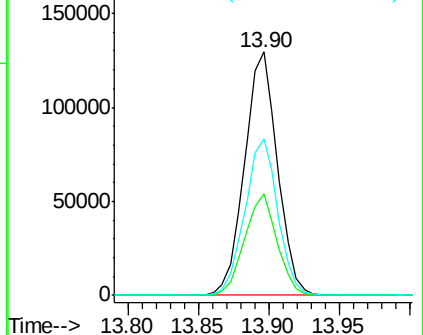
148 64.3 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 43.944 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.00 min

Lab File: VD065796.D

Acq: 12 Jun 2020 15:42

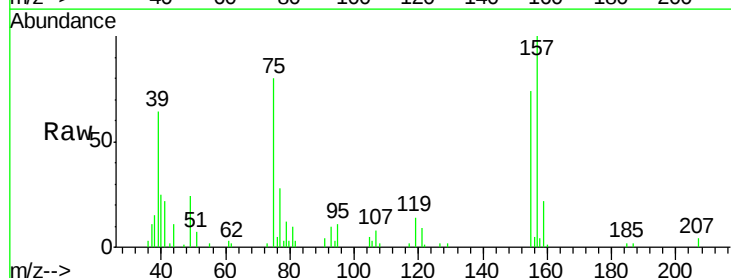
Tgt Ion: 75 Resp: 14051

Ion Ratio Lower Upper

75 100

155 86.5 46.3 138.9

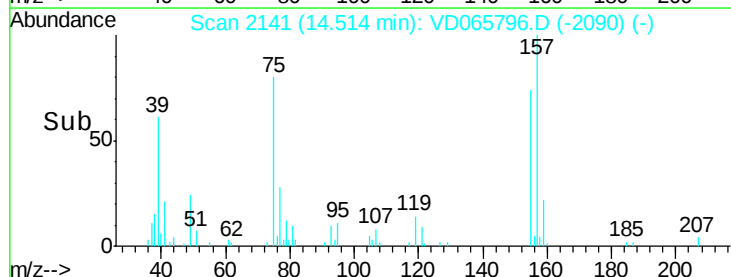
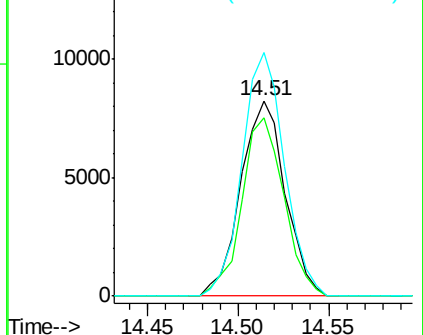
157 118.9 58.1 174.3

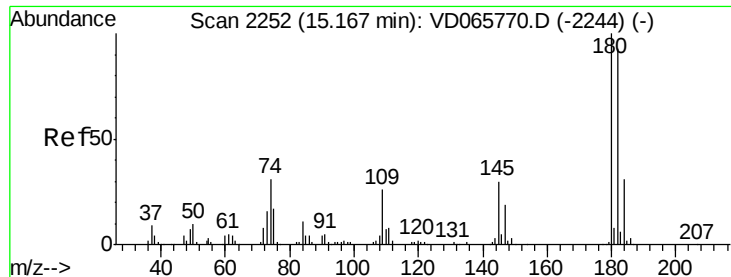


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

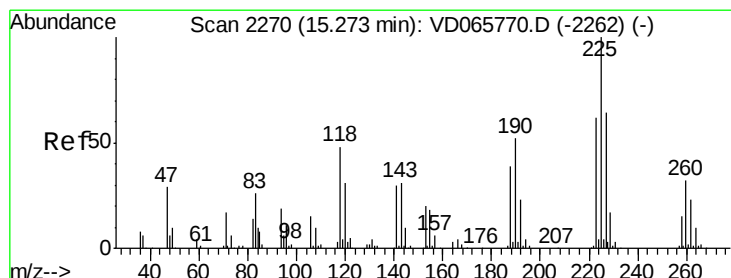
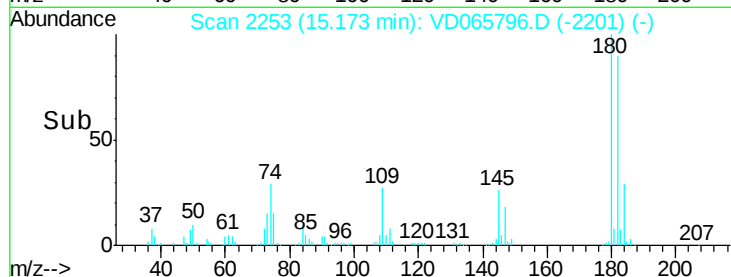
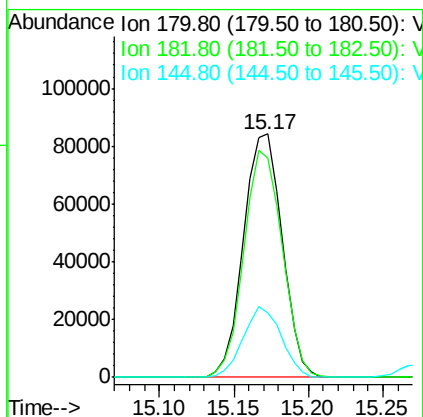
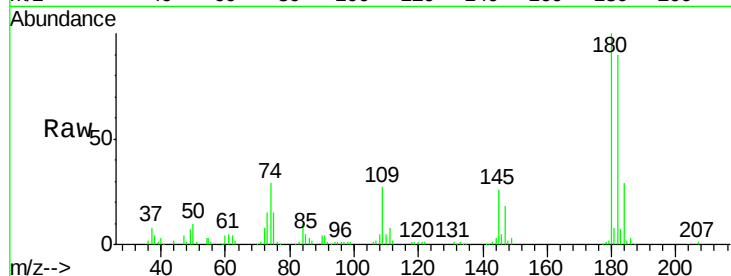




#93
 1,2,4-Trichlorobenzene
 Concen: 48.712 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD065796.D
 Acq: 12 Jun 2020 15:42

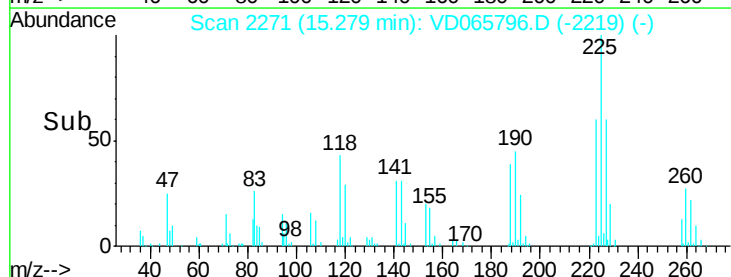
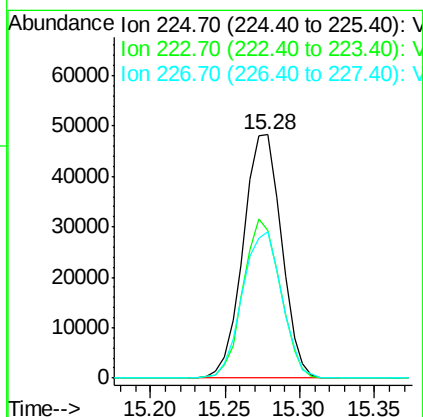
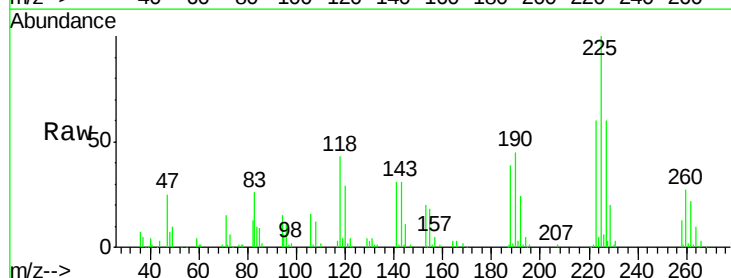
Instrument :
 MSVOA_D
 ClientSampleID :

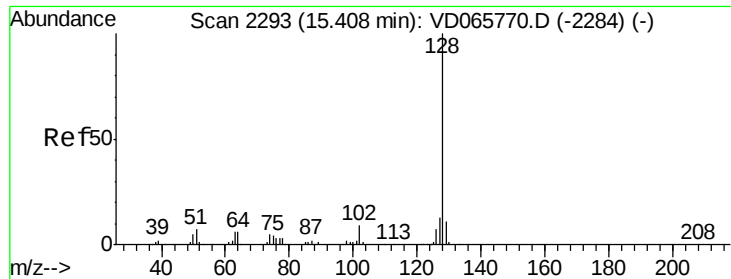
Tot Ion:180 Resp: 151278
 Ion Ratio Lower Upper
 180 100
 182 92.5 48.0 144.2
 145 28.4 14.9 44.9



#94
 Hexachlorobutadiene
 Concen: 45.810 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD065796.D
 Acq: 12 Jun 2020 15:42

Tgt Ion:225 Resp: 86002
 Ion Ratio Lower Upper
 225 100
 223 63.0 30.9 92.7
 227 61.8 31.9 95.7

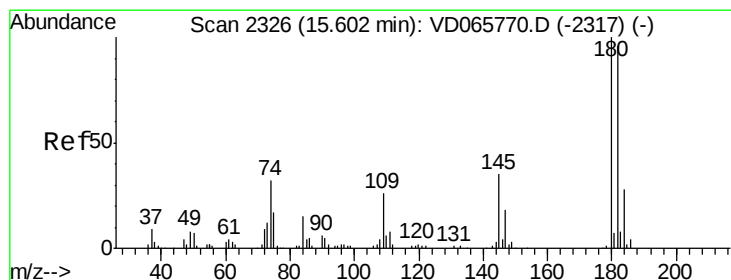
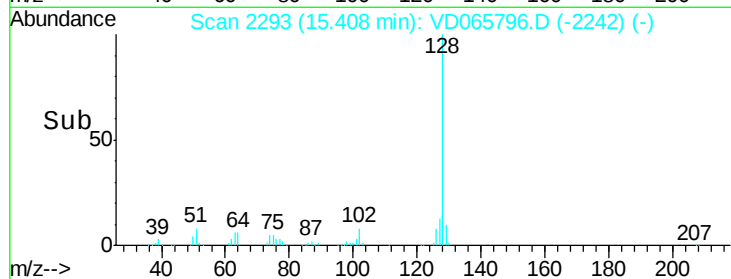
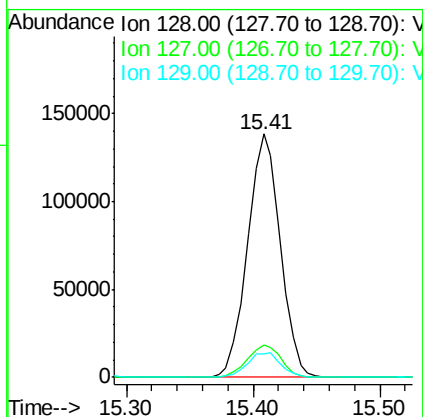
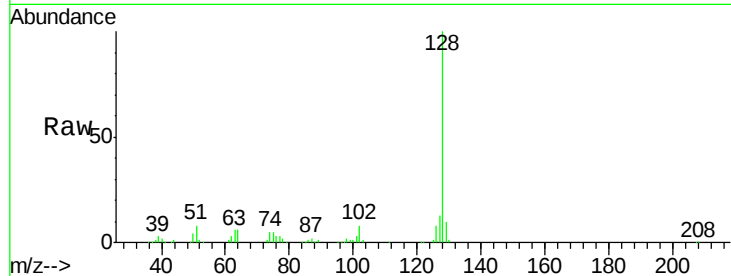




#95
Naphthalene
Concen: 47.181 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD065796.D
Acq: 12 Jun 2020 15:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 248195
Ion Ratio Lower Upper
128 100
127 13.7 10.7 16.1
129 10.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 46.560 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD065796.D
Acq: 12 Jun 2020 15:42

Tgt Ion:180 Resp: 124535
Ion Ratio Lower Upper
180 100
182 95.0 47.0 141.2
145 32.9 16.2 48.6

