

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071621\
 Data File : VD069733.D
 Acq On : 16 Jul 2021 18:59
 Operator : VA/SY
 Sample : M3013-01
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 17 00:56:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

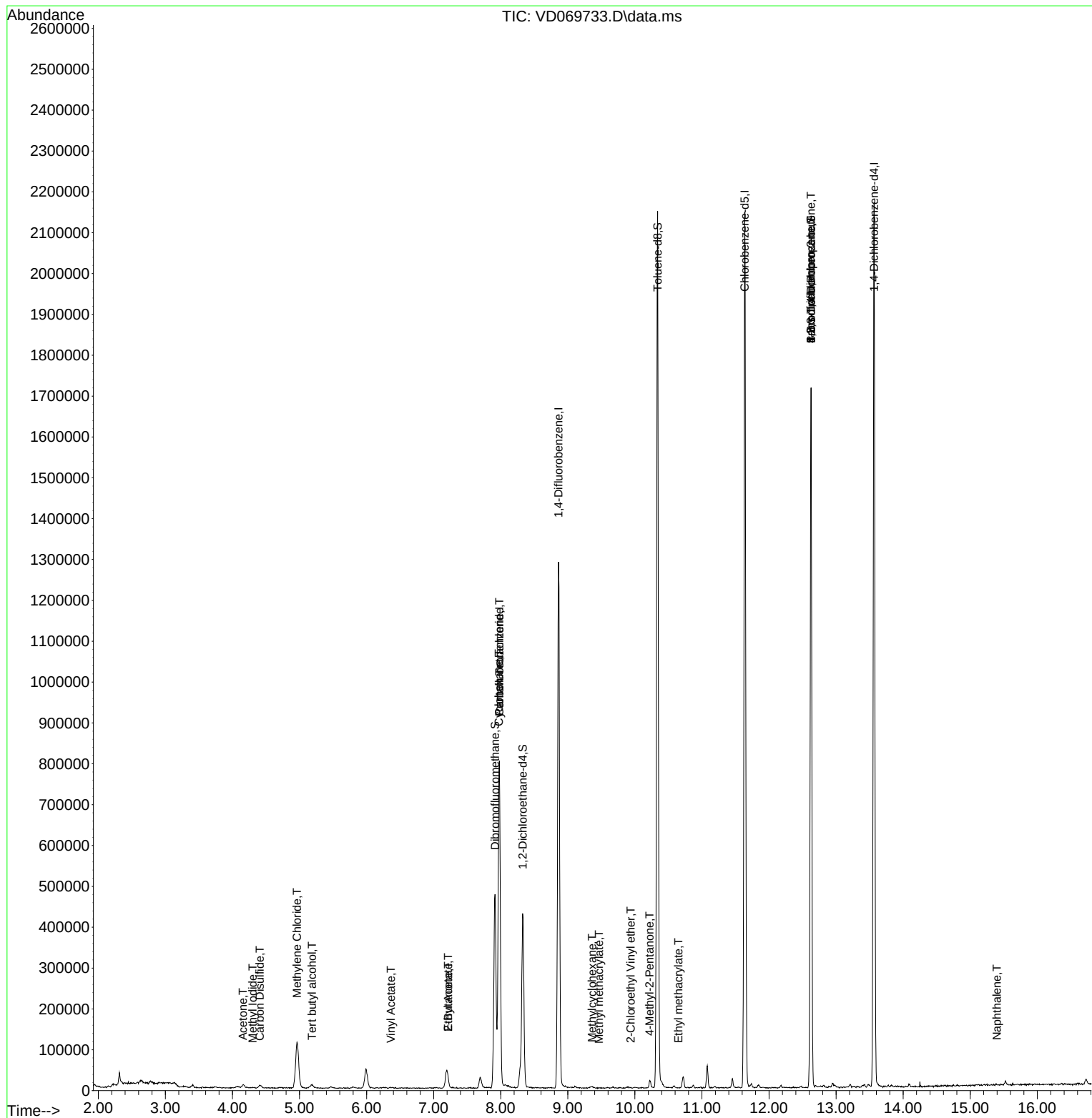
Internal Standards						
1) Pentafluorobenzene	7.979	168	572007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1103835	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1243930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	568565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	329040	46.070	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.140%		
35) Dibromofluoromethane	7.914	113	347519	46.928	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.860%		
50) Toluene-d8	10.338	98	1458824	50.706	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.420%		
62) 4-Bromofluorobenzene	12.626	95	581559	60.610	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	121.220%		
Target Compounds			Qvalue			
5) Bromomethane	2.779	94	4309	Below Cal		89
10) Methyl Iodide	4.303	142	2250	2.769 ug/l #		85
11) Tert butyl alcohol	5.185	59	7454	7.811 ug/l #		79
16) Acetone	4.156	43	15104	22.209 ug/l #		78
17) Carbon Disulfide	4.409	76	14137	1.072 ug/l		98
18) Methyl Acetate	4.709	43	169	Below Cal #		78
20) Methylene Chloride	4.962	84	92395	4.700 ug/l		96
23) Vinyl Acetate	6.362	43	692	15.482 ug/l #		72
25) 2-Butanone	7.214	43	8572	5.078 ug/l #		75
31) Cyclohexane	7.973	56	14699	1.604 ug/l #		1
37) Ethyl Acetate	7.214	43	8572	1.990 ug/l #		41
38) Carbon Tetrachloride	7.979	117	61578	5.905 ug/l #		19
39) Methylcyclohexane	9.361	83	1757	2.083 ug/l #		78
48) Methyl methacrylate	9.467	41	126	1.133 ug/l #		28
51) 4-Methyl-2-Pentanone	10.220	43	13626	3.336 ug/l		96
56) Ethyl methacrylate	10.650	69	75	1.674 ug/l #		1
58) 2-Chloroethyl Vinyl ether	9.938	63	78	9.383 ug/l #		49
71) Bromoform	12.626	173	4797	1.115 ug/l #		1
76) 1,2,3-Trichloropropane	12.626	75	290242	52.547 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.626	75	290242	141.218 ug/l #		14
95) Naphthalene	15.396	128	696	2.242 ug/l #		78

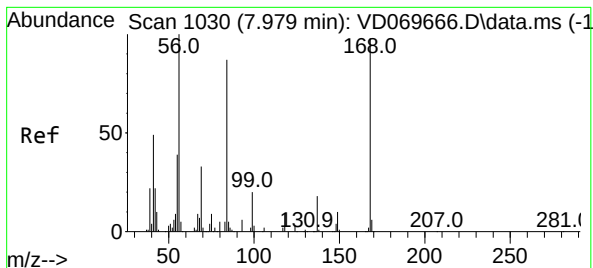
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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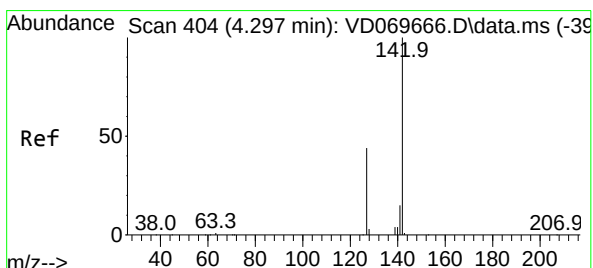
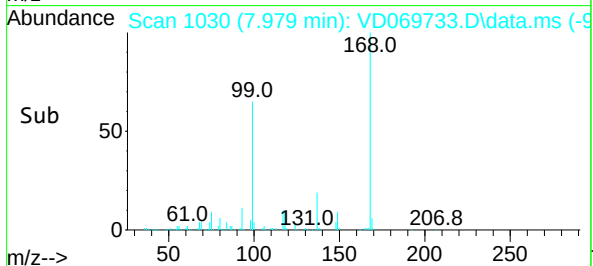
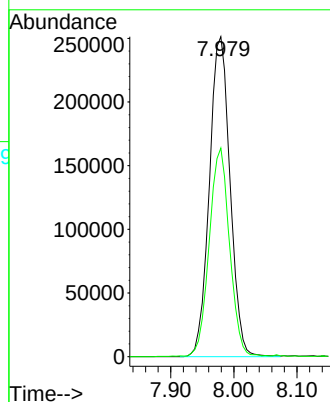
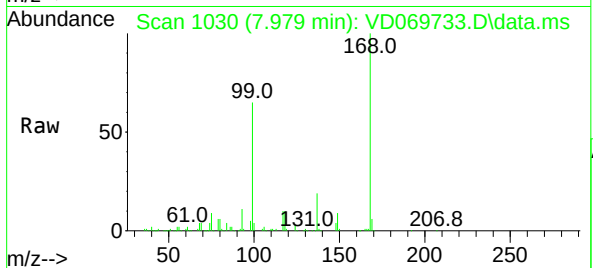




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069733.D
Acq: 16 Jul 2021 18:59

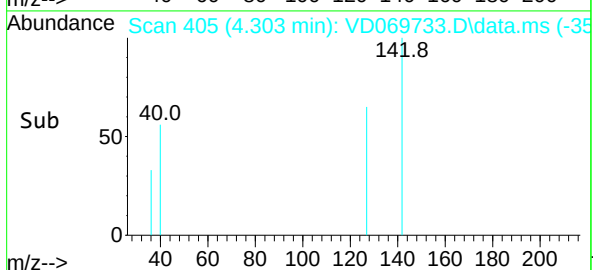
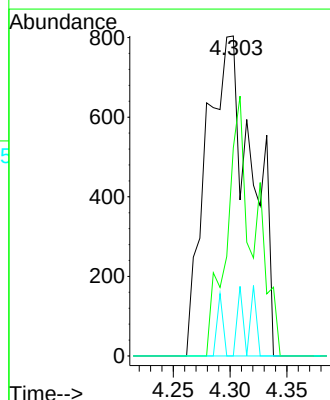
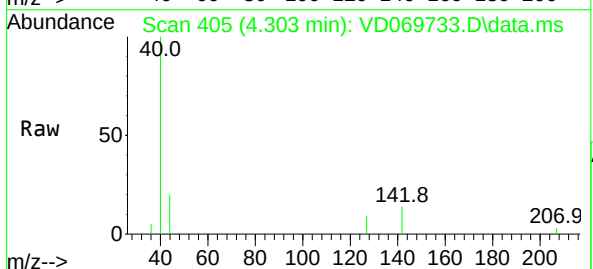
Instrument :
MSVOA_D
ClientSampled :

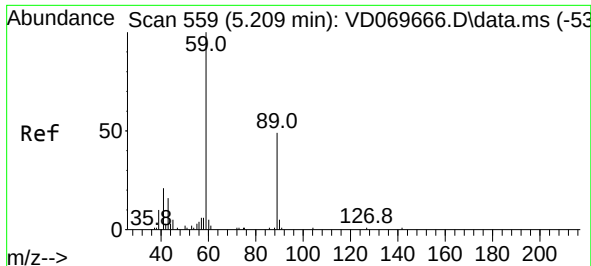
Tgt Ion:168 Resp: 572007
Ion Ratio Lower Upper
168 100
99 64.9 51.8 77.6



#10
Methyl Iodide
Concen: 2.769 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069733.D
Acq: 16 Jul 2021 18:59

Tgt Ion:142 Resp: 2250
Ion Ratio Lower Upper
142 100
127 36.7 36.1 54.1
141 5.5 11.6 17.4#

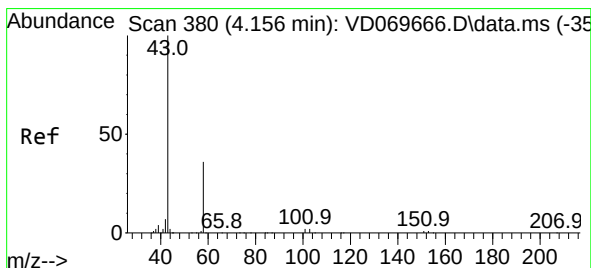
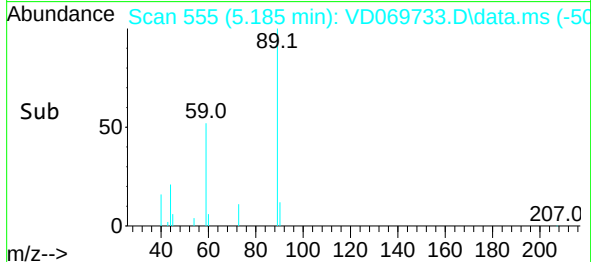
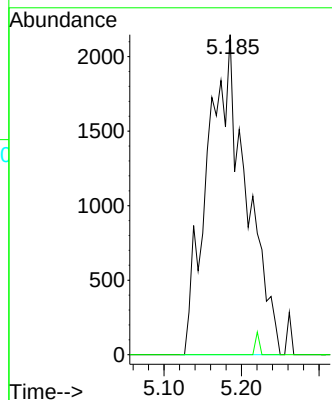
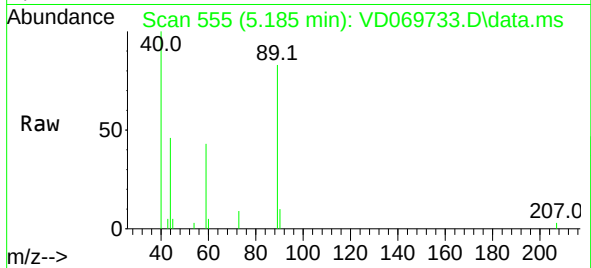




#11
Tert butyl alcohol
Concen: 7.811 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.024 min
Lab File: VD069733.D
Acq: 16 Jul 2021 18:59

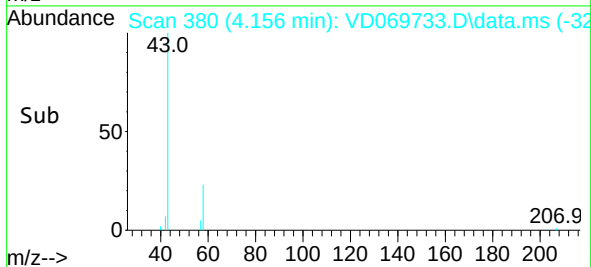
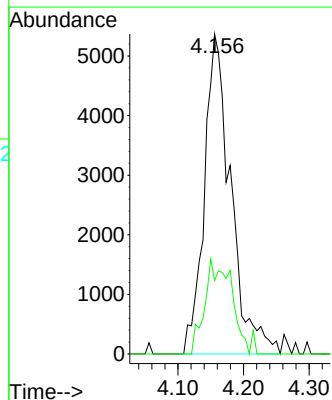
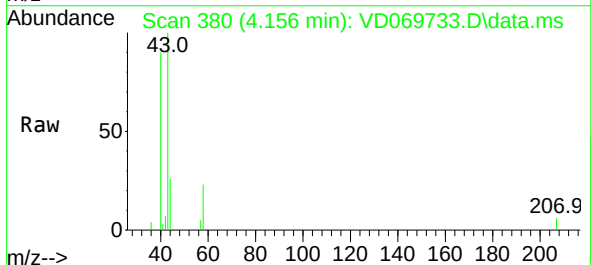
Instrument :
MSVOA_D
ClientSampled :

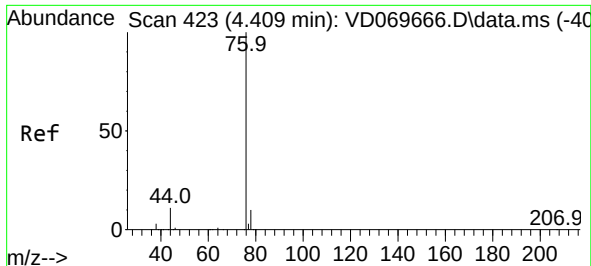
Tgt Ion: 59 Resp: 7454
Ion Ratio Lower Upper
59 100
57 0.0 5.7 8.5#



#16
Acetone
Concen: 22.209 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069733.D
Acq: 16 Jul 2021 18:59

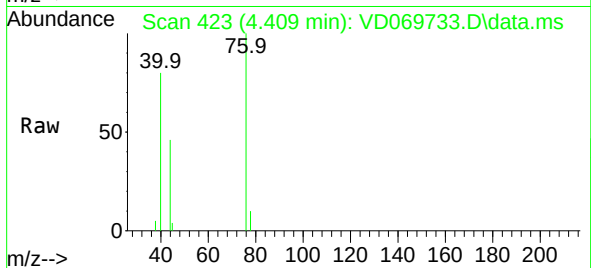
Tgt Ion: 43 Resp: 15104
Ion Ratio Lower Upper
43 100
58 23.0 28.6 42.8#



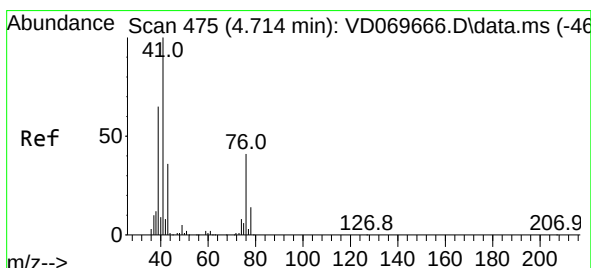
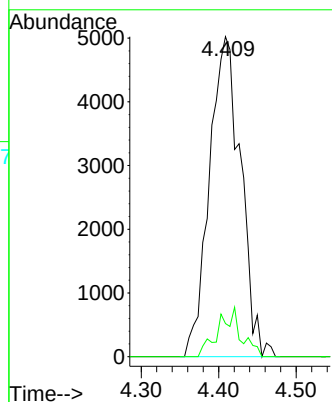
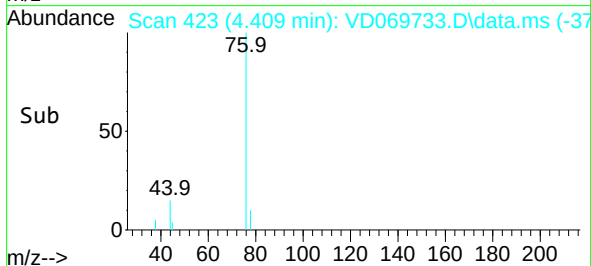


#17
Carbon Disulfide
Concen: 1.072 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069733.D
Acq: 16 Jul 2021 18:59

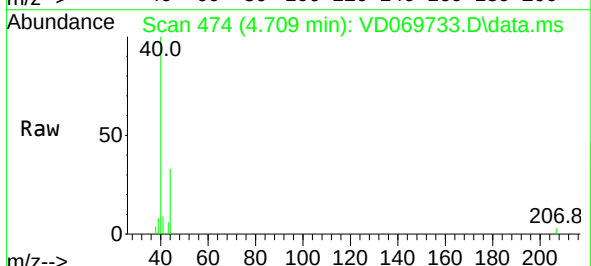
Instrument :
MSVOA_D
ClientSampled :



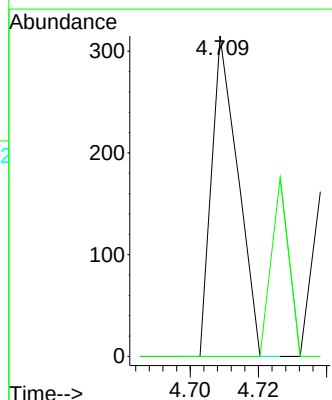
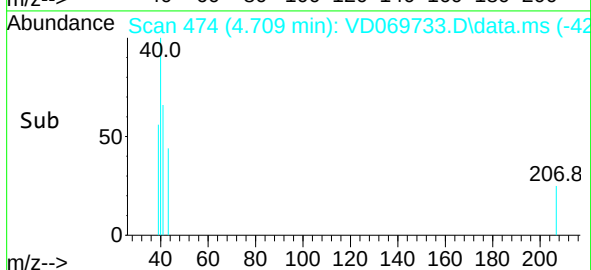
Tgt Ion: 76 Resp: 14137
Ion Ratio Lower Upper
76 100
78 10.4 7.6 11.4

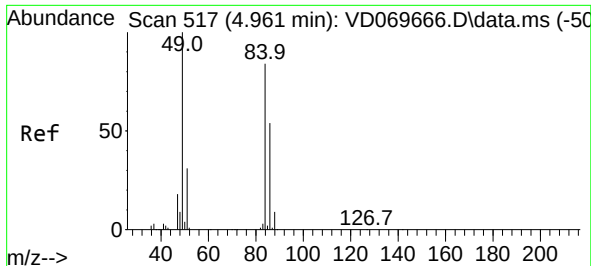


#18
Methyl Acetate
Concen: Below Cal
RT: 4.709 min Scan# 474
Delta R.T. -0.005 min
Lab File: VD069733.D
Acq: 16 Jul 2021 18:59



Tgt Ion: 43 Resp: 169
Ion Ratio Lower Upper
43 100
74 36.7 20.6 30.8#

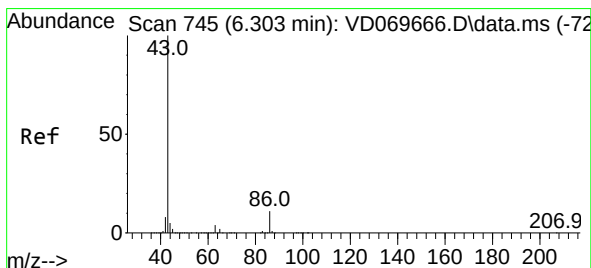
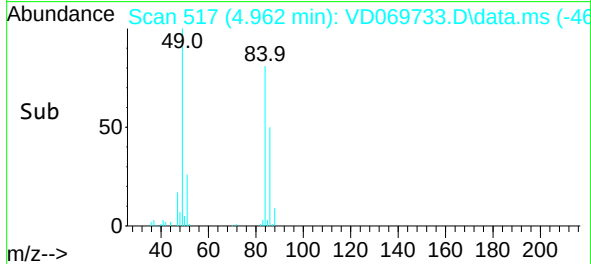
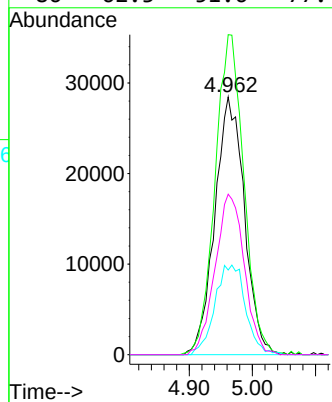
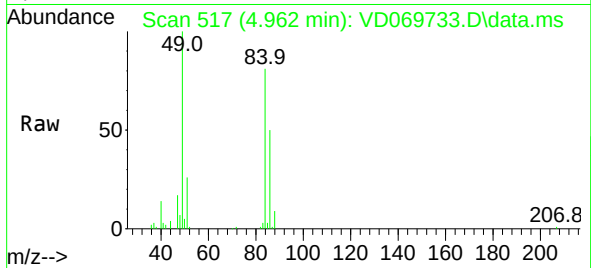




#20
Methylene Chloride
Concen: 4.700 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.001 min
Lab File: VD069733.D
Acq: 16 Jul 2021 18:59

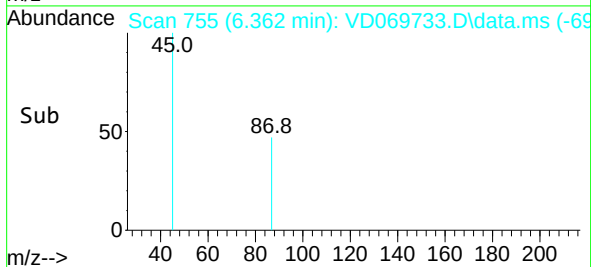
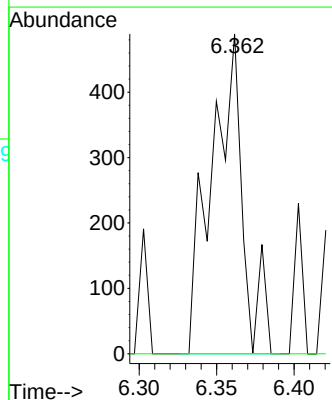
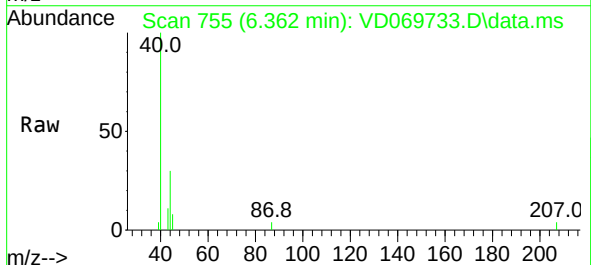
Instrument :
MSVOA_D
ClientSampled :

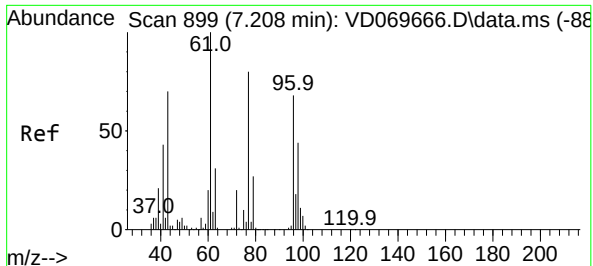
Tgt Ion:	84	Resp:	92395
Ion	Ratio	Lower	Upper
84	100		
49	124.1	95.5	143.3
51	32.8	29.7	44.5
86	62.3	51.6	77.4



#23
Vinyl Acetate
Concen: 15.482 ug/l
RT: 6.362 min Scan# 755
Delta R.T. 0.059 min
Lab File: VD069733.D
Acq: 16 Jul 2021 18:59

Tgt Ion:	43	Resp:	692
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	12.8#

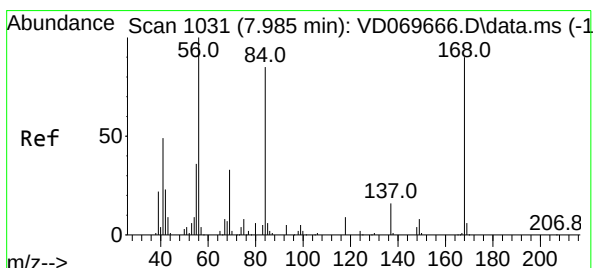
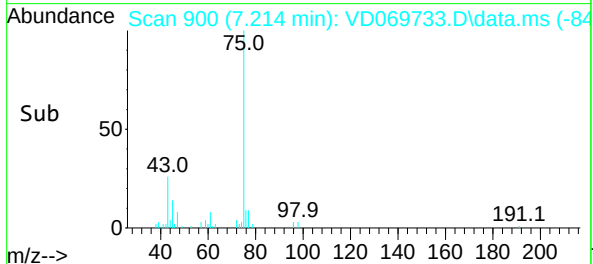
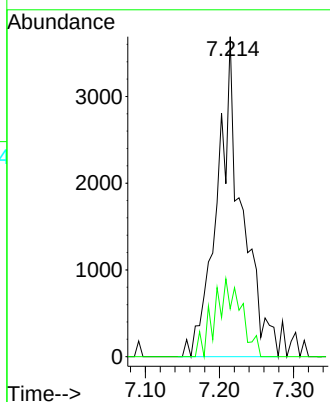
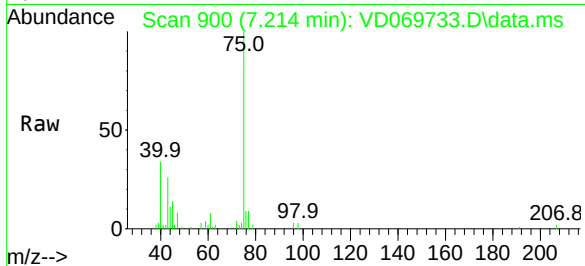




#25
2-Butanone
Concen: 5.078 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD069733.D
Acq: 16 Jul 2021 18:59

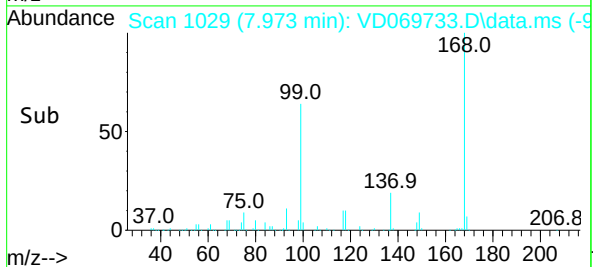
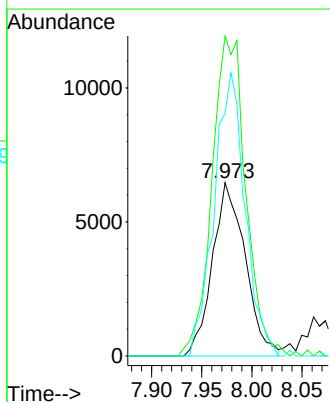
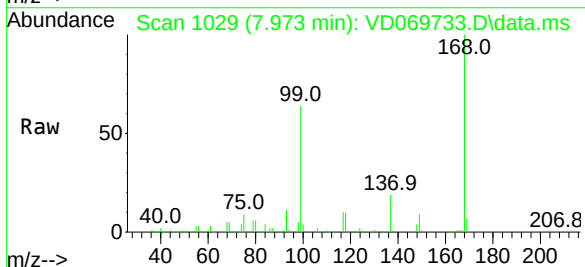
Instrument :
MSVOA_D
ClientSampled :

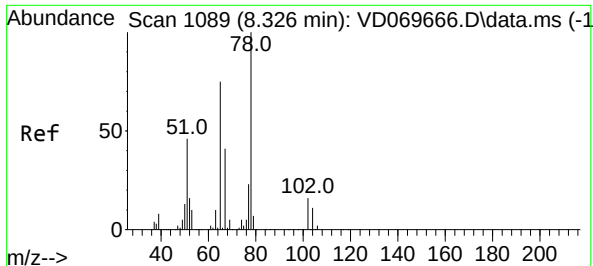
Tgt Ion: 43 Resp: 8572
Ion Ratio Lower Upper
43 100
72 15.0 22.6 33.8#



#31
Cyclohexane
Concen: 1.604 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069733.D
Acq: 16 Jul 2021 18:59

Tgt Ion: 56 Resp: 14699
Ion Ratio Lower Upper
56 100
69 184.6 26.6 39.8#
84 140.1 68.2 102.2#





#33

1,2-Dichloroethane-d4

Concen: 46.070 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD069733.D

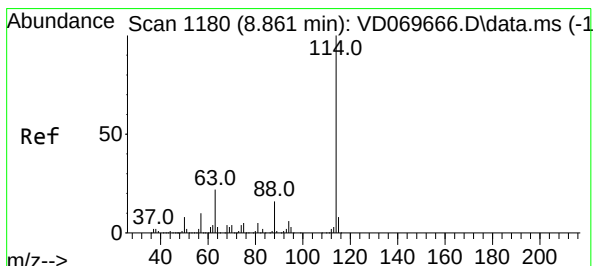
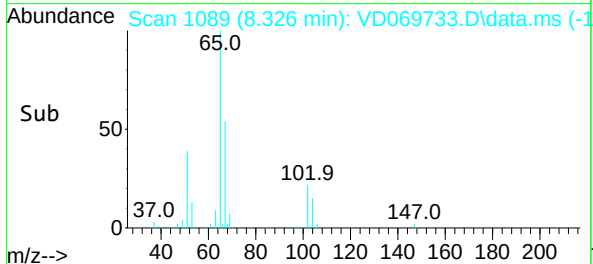
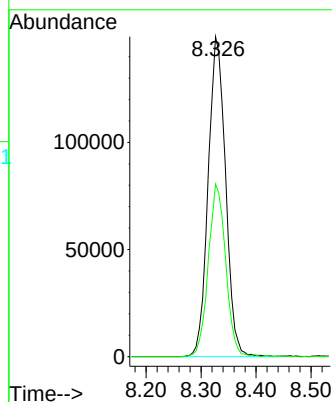
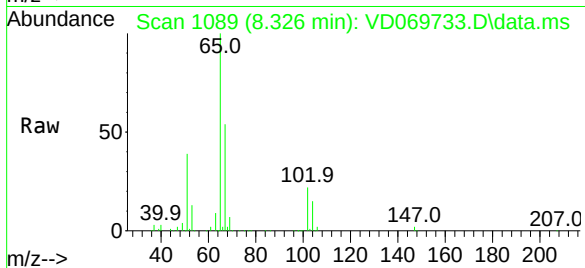
Acq: 16 Jul 2021 18:59

Tgt Ion: 65 Resp: 329040

Ion Ratio Lower Upper

65 100

67 53.8 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD069733.D

Acq: 16 Jul 2021 18:59

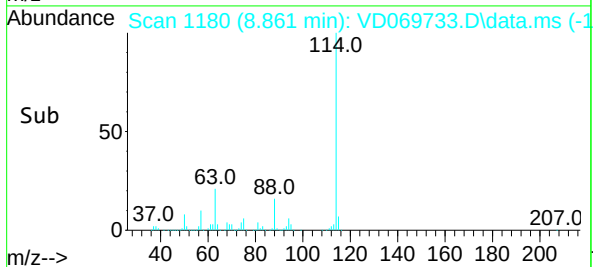
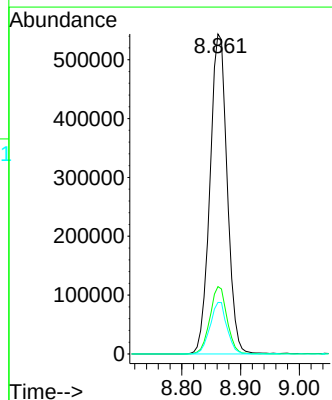
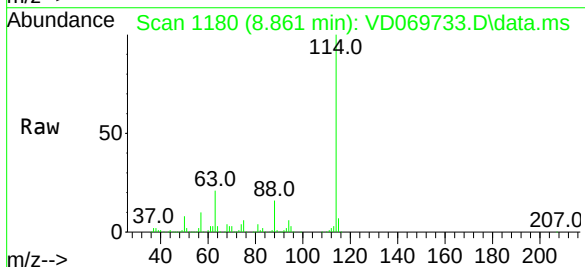
Tgt Ion: 114 Resp: 1103835

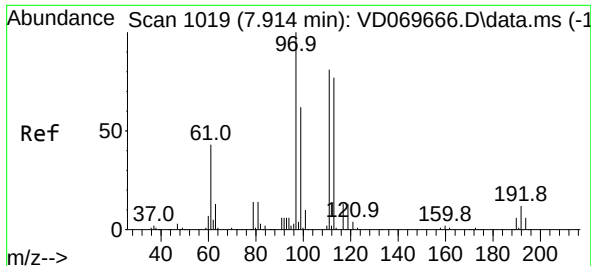
Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.4

88 16.1 0.0 32.0





#35

Dibromofluoromethane

Concen: 46.928 ug/l

RT: 7.914 min Scan# 1019

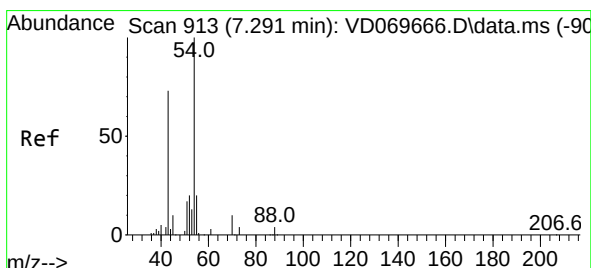
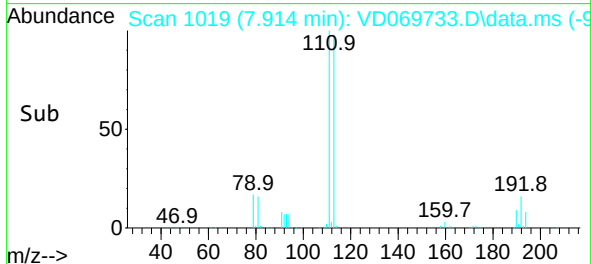
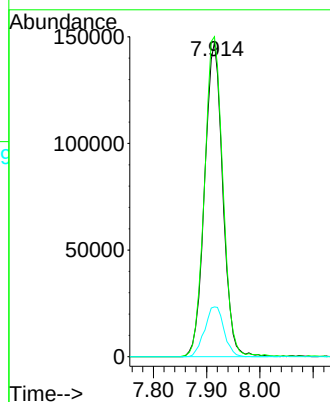
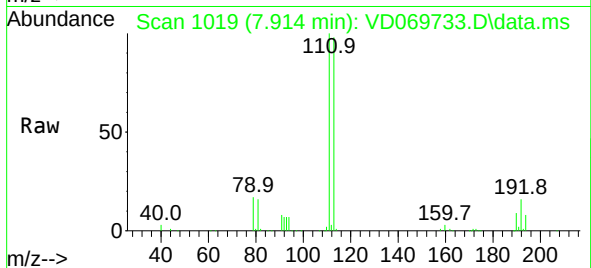
Delta R.T. 0.000 min

Lab File: VD069733.D

Acq: 16 Jul 2021 18:59

Tgt Ion:	113	Resp:	347519
Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.6	123.8
192	17.0	12.7	19.1

Instrument :
MSVOA_D
ClientSampleId :



#37

Ethyl Acetate

Concen: 1.990 ug/l

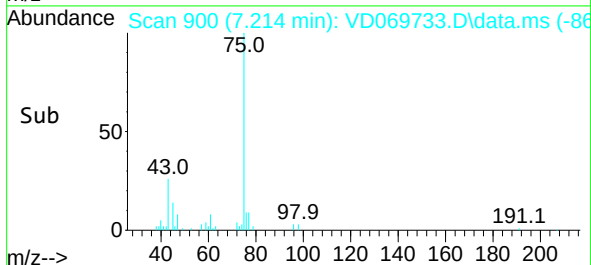
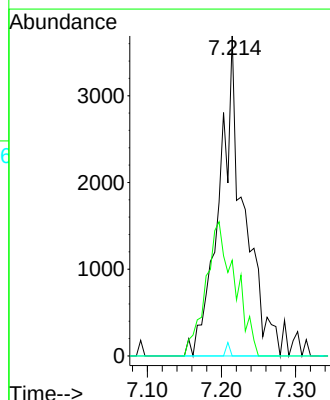
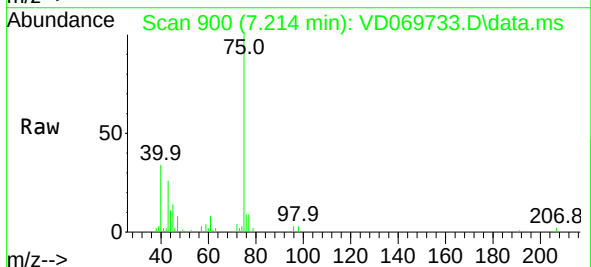
RT: 7.214 min Scan# 900

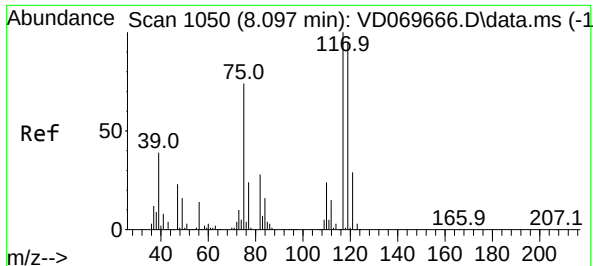
Delta R.T. -0.077 min

Lab File: VD069733.D

Acq: 16 Jul 2021 18:59

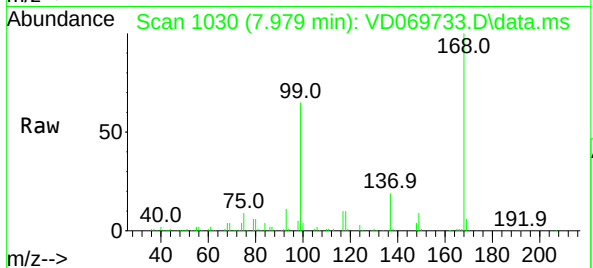
Tgt Ion:	43	Resp:	8572
Ion	Ratio	Lower	Upper
43	100		
61	49.1	12.1	18.1#
70	0.6	8.4	12.6#



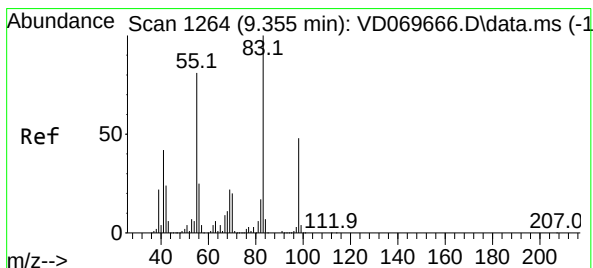
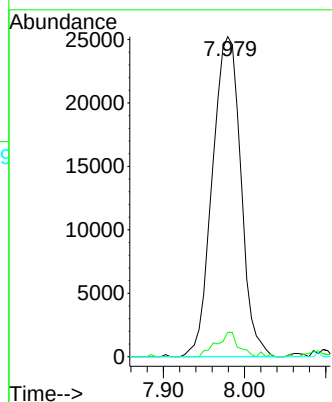
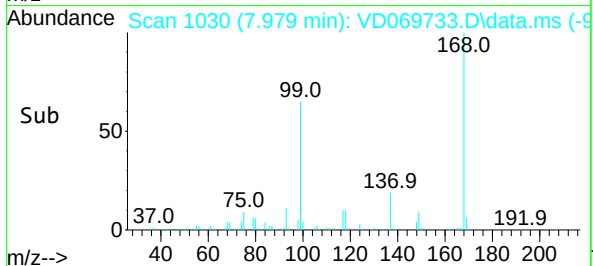


#38
Carbon Tetrachloride
Concen: 5.905 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069733.D
Acq: 16 Jul 2021 18:59

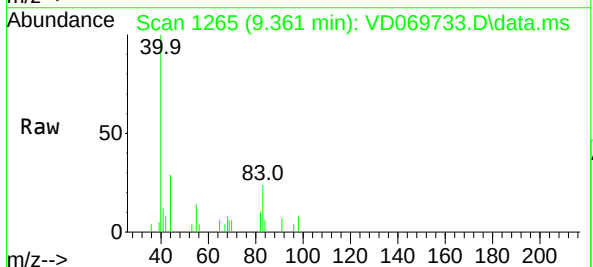
Instrument :
MSVOA_D
ClientSampleId :



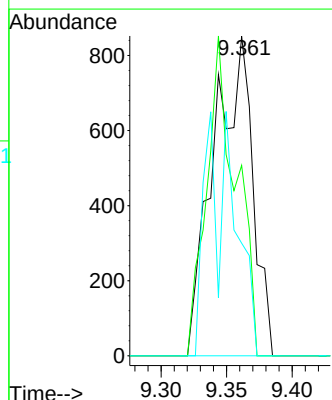
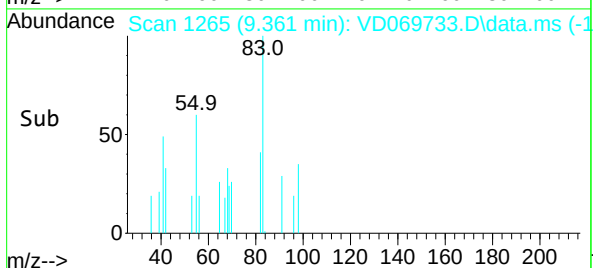
Tgt Ion:117 Resp: 61578
Ion Ratio Lower Upper
117 100
119 7.6 75.7 113.5#
121 0.0 23.0 34.6#

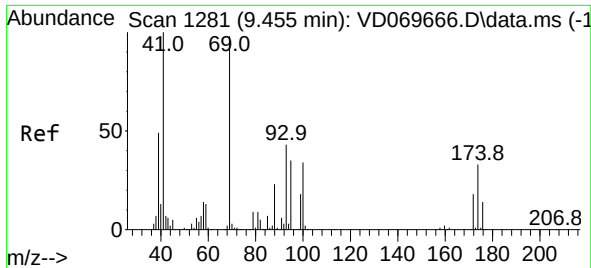


#39
Methylcyclohexane
Concen: 2.083 ug/l
RT: 9.361 min Scan# 1265
Delta R.T. 0.006 min
Lab File: VD069733.D
Acq: 16 Jul 2021 18:59



Tgt Ion: 83 Resp: 1757
Ion Ratio Lower Upper
83 100
55 59.6 64.6 97.0#
98 35.3 38.4 57.6#

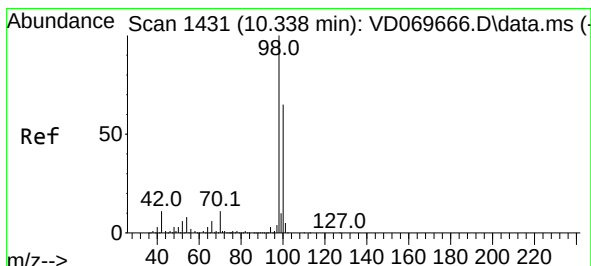
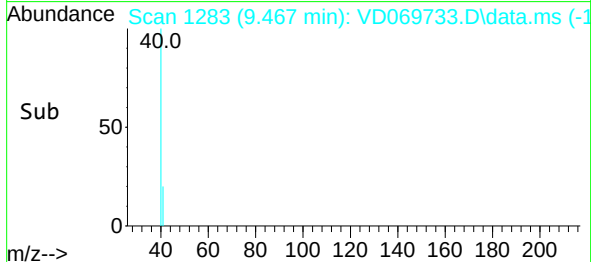
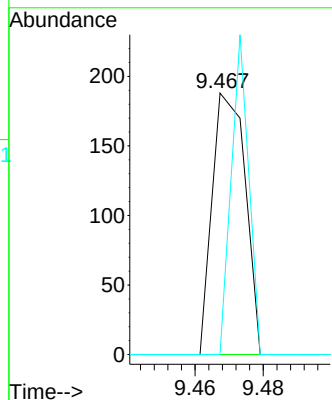
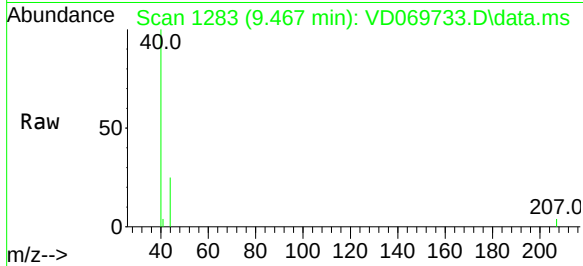




#48
Methyl methacrylate
Concen: 1.133 ug/l
RT: 9.467 min Scan# 1283
Delta R.T. 0.012 min
Lab File: VD069733.D
Acq: 16 Jul 2021 18:59

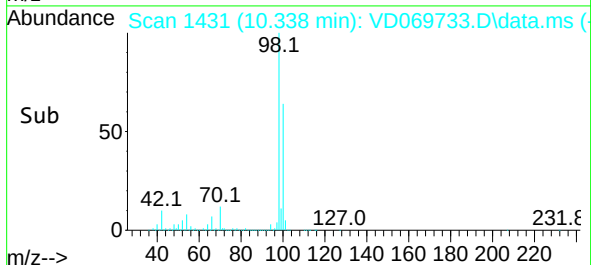
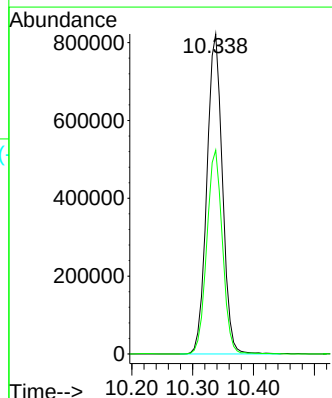
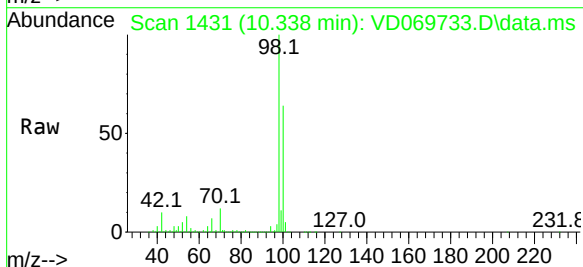
Instrument :
MSVOA_D
ClientSampled :

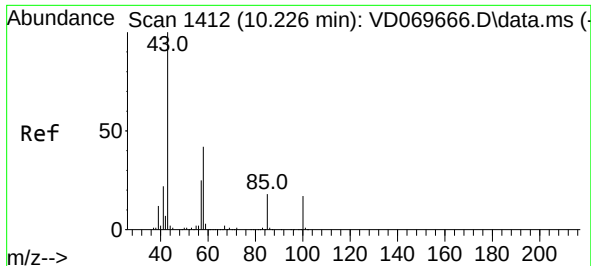
Tgt Ion: 41 Resp: 126
Ion Ratio Lower Upper
41 100
69 0.0 71.6 107.4#
39 64.3 36.7 55.1#



#50
Toluene-d8
Concen: 50.706 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069733.D
Acq: 16 Jul 2021 18:59

Tgt Ion: 98 Resp: 1458824
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.2

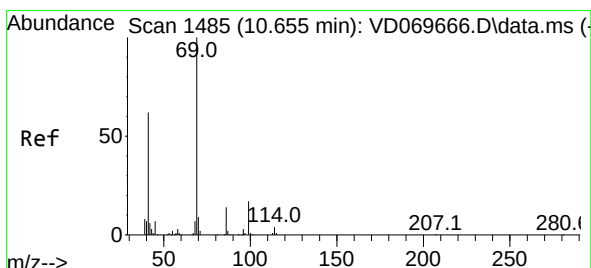
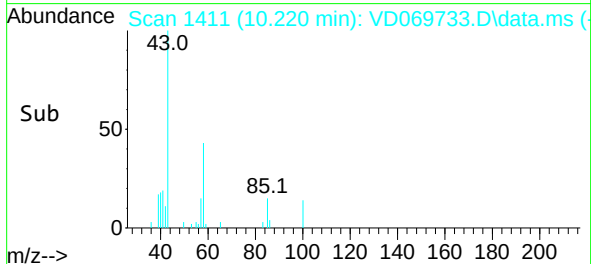
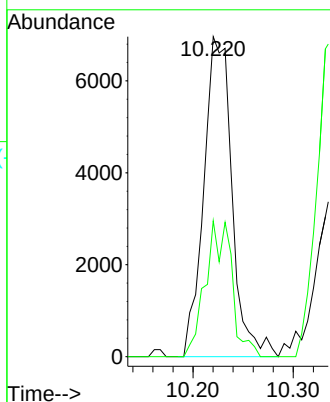
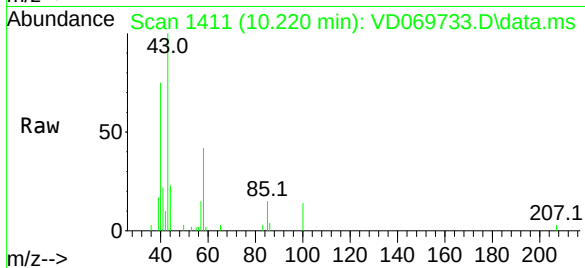




#51
4-Methyl-2-Pentanone
Concen: 3.336 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD069733.D
Acq: 16 Jul 2021 18:59

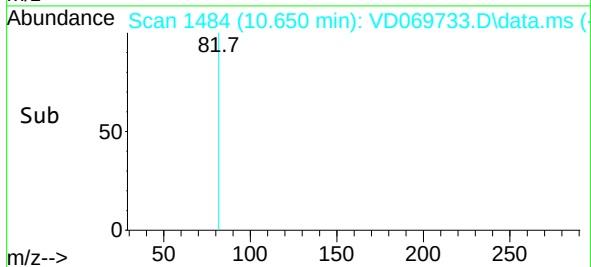
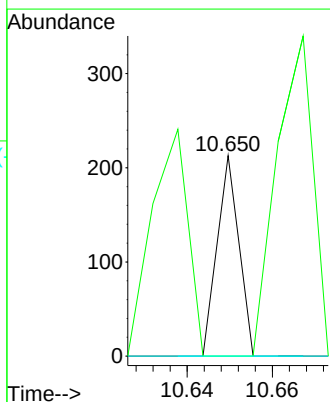
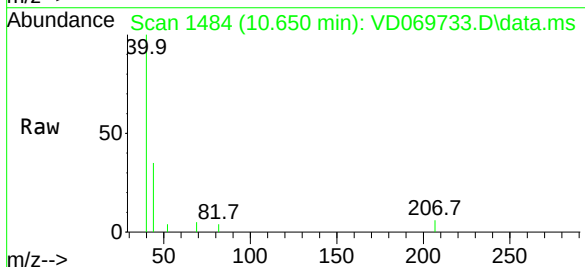
Instrument :
MSVOA_D
ClientSampled :

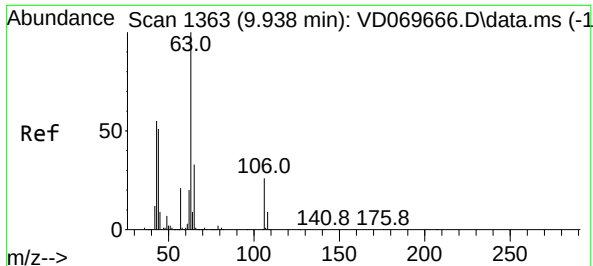
Tgt Ion: 43 Resp: 13626
Ion Ratio Lower Upper
43 100
58 39.7 33.5 50.3



#56
Ethyl methacrylate
Concen: 1.674 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.005 min
Lab File: VD069733.D
Acq: 16 Jul 2021 18:59

Tgt Ion: 69 Resp: 75
Ion Ratio Lower Upper
69 100
41 189.3 49.5 74.3#
39 0.0 22.5 33.7#

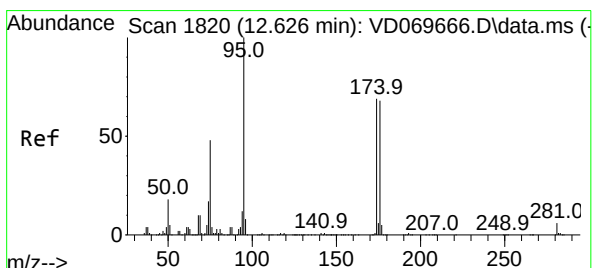
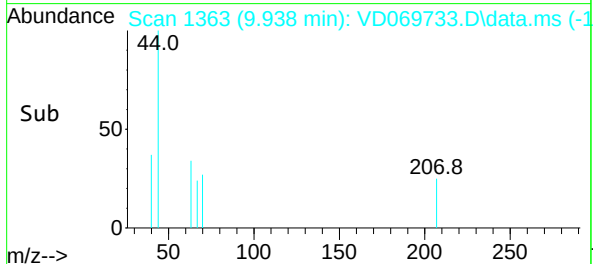
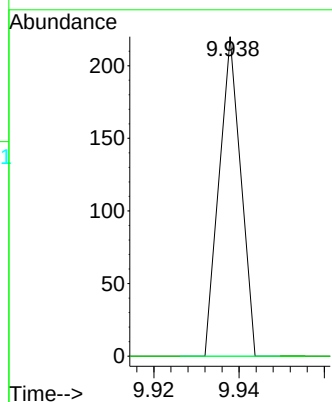
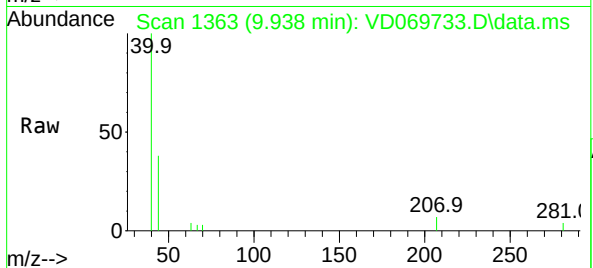




#58
2-Chloroethyl Vinyl ether
Concen: 9.383 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD069733.D
Acq: 16 Jul 2021 18:59

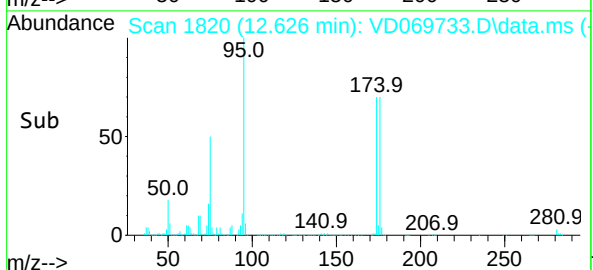
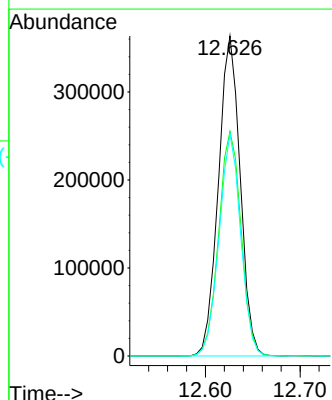
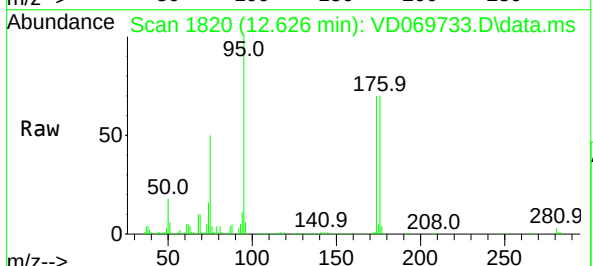
Instrument :
MSVOA_D
ClientSampled :

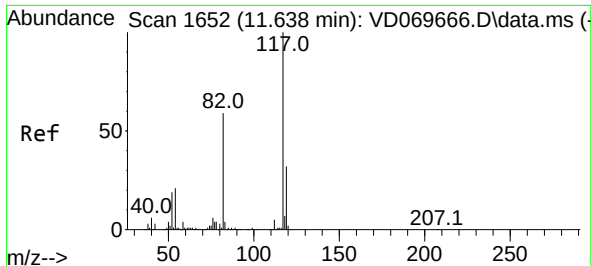
Tgt Ion: 63 Resp: 78
Ion Ratio Lower Upper
63 100
106 0.0 21.1 31.7#



#62
4-Bromofluorobenzene
Concen: 60.610 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069733.D
Acq: 16 Jul 2021 18:59

Tgt Ion: 95 Resp: 581559
Ion Ratio Lower Upper
95 100
174 72.3 0.0 140.0
176 68.8 0.0 136.2

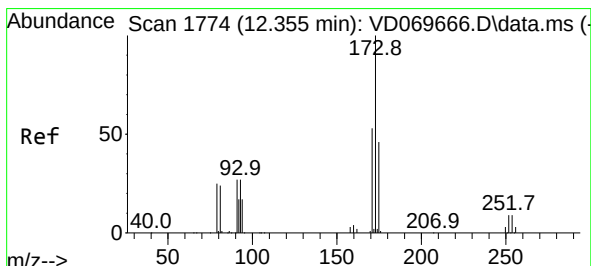
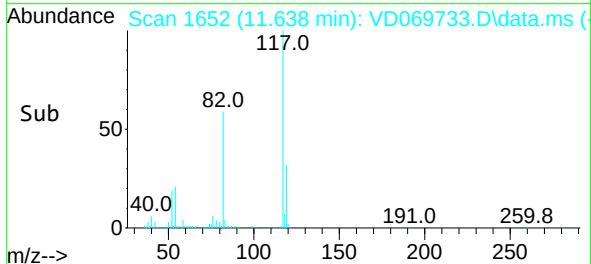
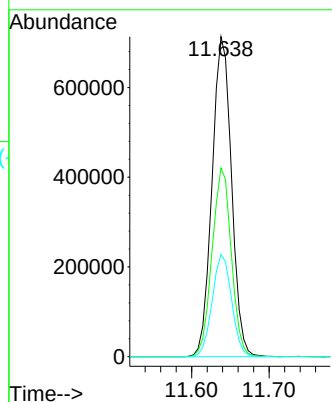
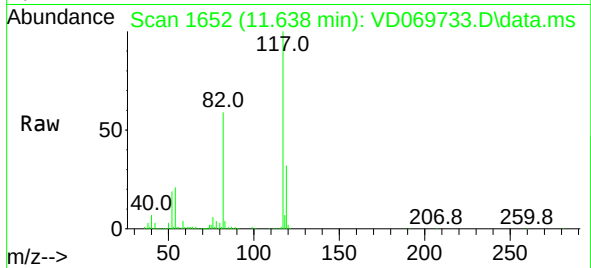




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069733.D
Acq: 16 Jul 2021 18:59

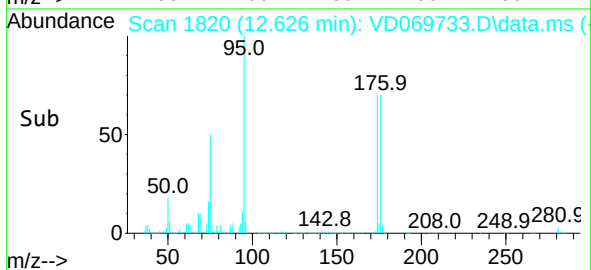
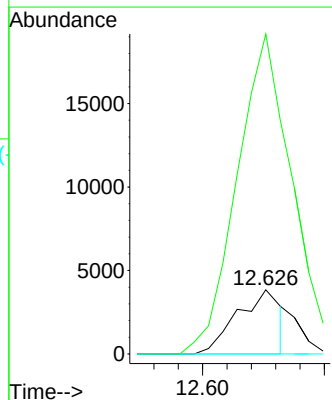
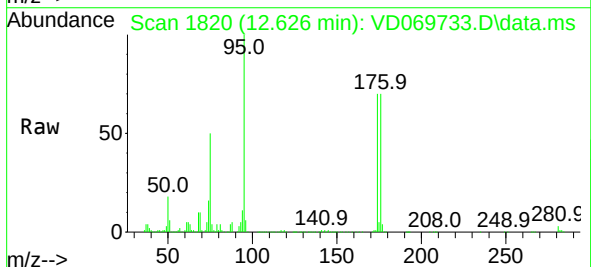
Instrument :
MSVOA_D
ClientSampleId :

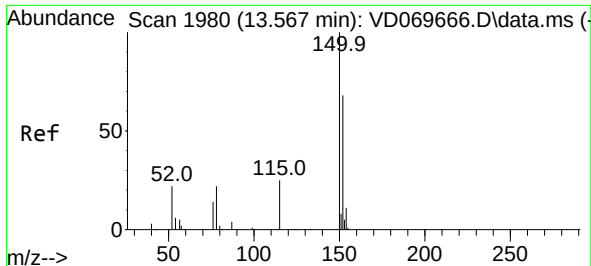
Tgt Ion:117 Resp: 1243930
Ion Ratio Lower Upper
117 100
82 59.0 47.4 71.2
119 31.9 25.5 38.3



#71
Bromoform
Concen: 1.115 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069733.D
Acq: 16 Jul 2021 18:59

Tgt Ion:173 Resp: 4797
Ion Ratio Lower Upper
173 100
175 496.4 24.2 72.6#
254 0.0 0.1 0.1#

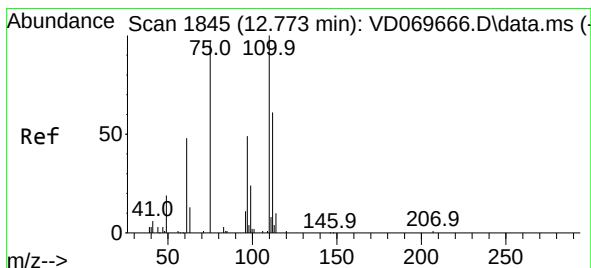
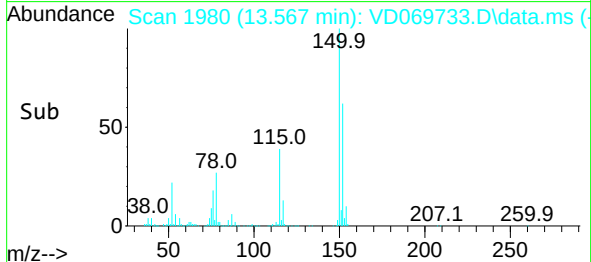
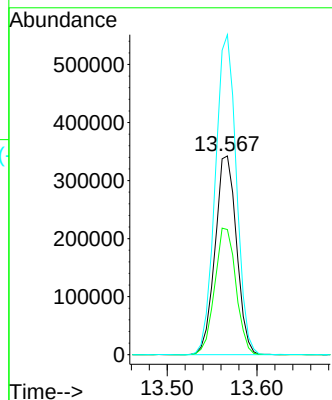
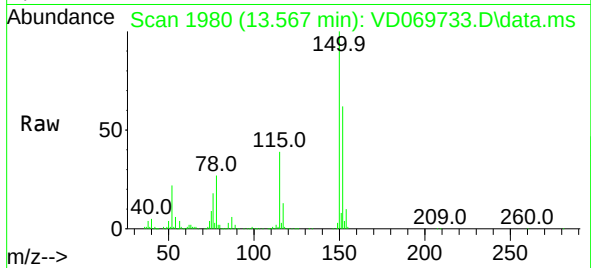




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069733.D
Acq: 16 Jul 2021 18:59

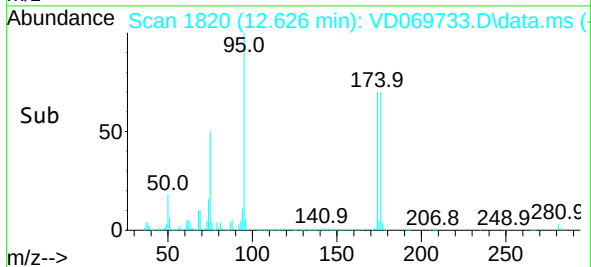
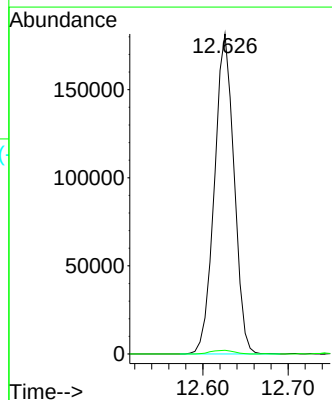
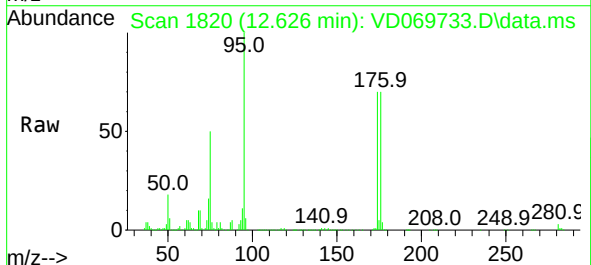
Instrument :
MSVOA_D
ClientSampleId :

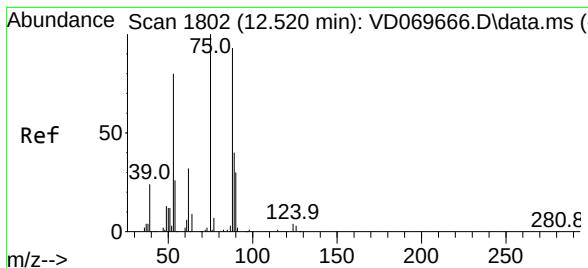
Tgt Ion:152 Resp: 568565
Ion Ratio Lower Upper
152 100
115 63.1 31.7 95.1
150 158.3 0.0 350.4



#76
1,2,3-Trichloropropane
Concen: 52.547 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069733.D
Acq: 16 Jul 2021 18:59

Tgt Ion: 75 Resp: 290242
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

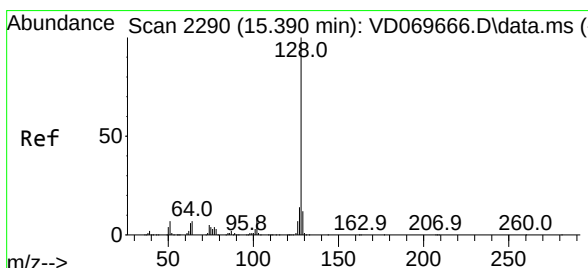
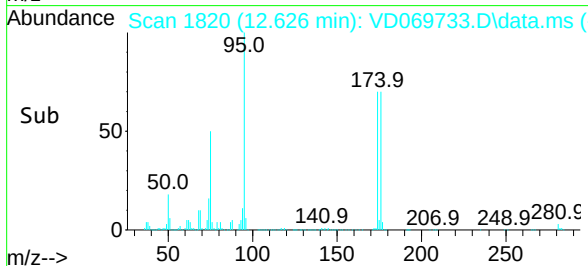
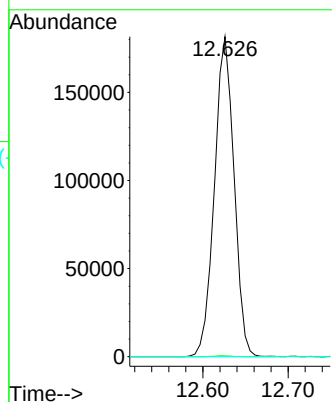
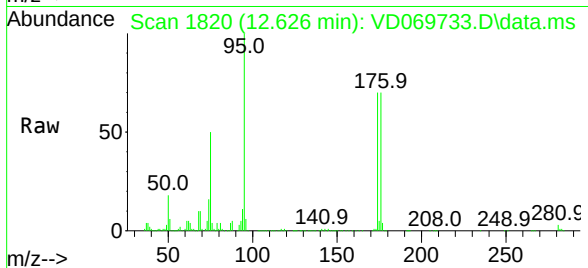




#81
trans-1,4-Dichloro-2-butene
Concen: 141.218 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069733.D
Acq: 16 Jul 2021 18:59

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 290242
Ion Ratio Lower Upper
75 100
53 0.2 70.6 106.0#
89 0.0 35.1 52.7#



#95
Naphthalene
Concen: 2.242 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.006 min
Lab File: VD069733.D
Acq: 16 Jul 2021 18:59

Tgt Ion:128 Resp: 696
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 8.0 8.8 13.2#

