

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080321\
 Data File : VD069975.D
 Acq On : 03 Aug 2021 19:30
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 01:34:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

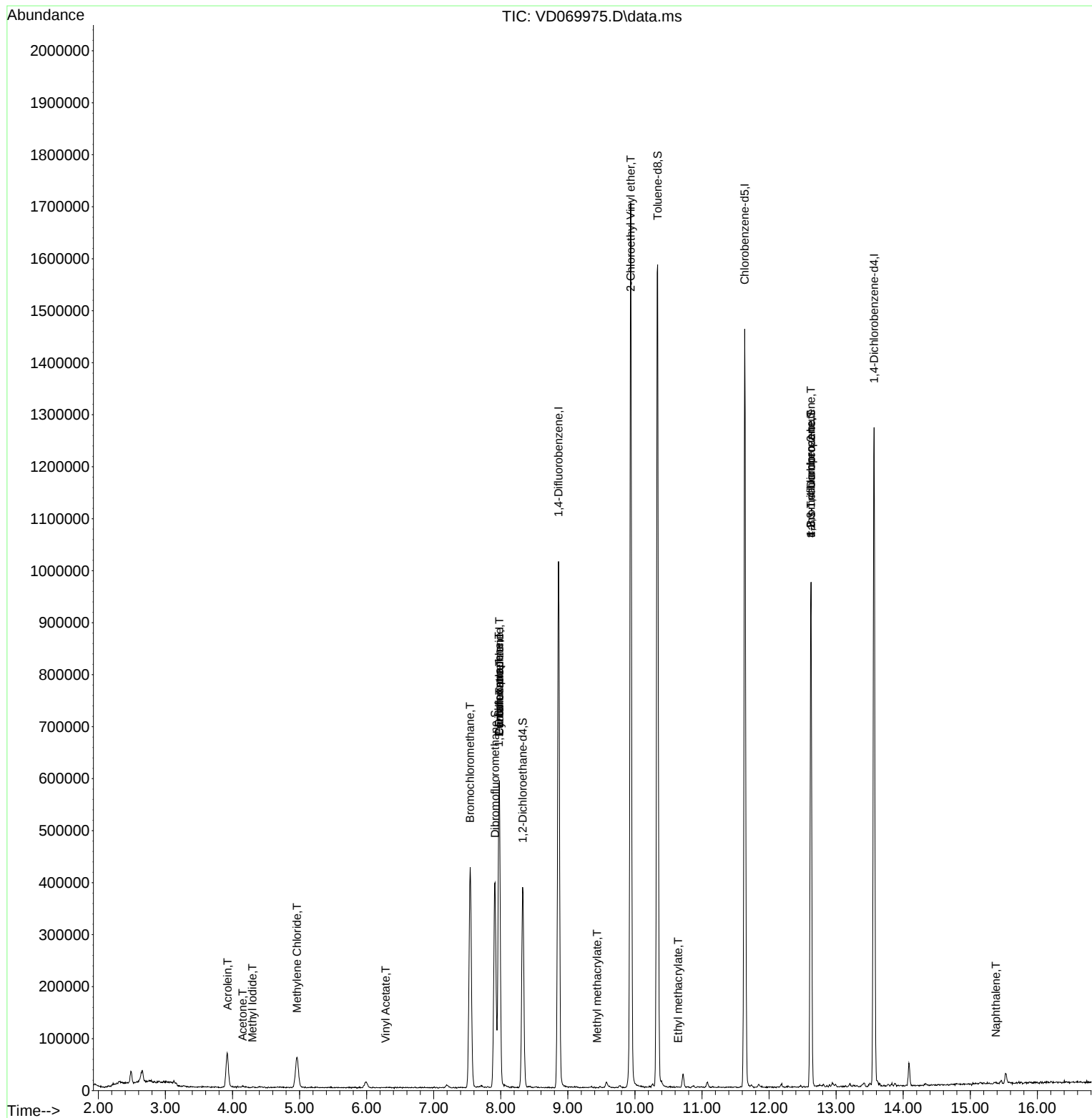
Internal Standards						
1) Pentafluorobenzene	7.979	168	427210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	863504	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	834185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	336492	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	301861	61.438	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.880%			
35) Dibromofluoromethane	7.914	113	296381	54.447	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.900%			
50) Toluene-d8	10.338	98	1111266	52.943	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.880%			
62) 4-Bromofluorobenzene	12.626	95	324497	46.258	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.520%			
Target Compounds						
5) Bromomethane	2.768	94	2996	Below Cal		85
10) Methyl Iodide	4.297	142	1030	3.643 ug/l #		80
13) Acrolein	3.926	56	79706	223.963 ug/l		98
16) Acetone	4.150	43	1831	2.063 ug/l		89
20) Methylene Chloride	4.962	84	47295	1.188 ug/l		97
23) Vinyl Acetate	6.285	43	121	20.362 ug/l #		71
28) Bromochloromethane	7.544	49	260730	63.847 ug/l		99
31) Cyclohexane	7.979	56	9886	1.030 ug/l #		8
36) 1,1-Dichloropropene	7.973	75	40601	4.357 ug/l #		49
38) Carbon Tetrachloride	7.979	117	47289	5.556 ug/l #		15
48) Methyl methacrylate	9.438	41	118	2.781 ug/l #		29
56) Ethyl methacrylate	10.644	69	63	3.905 ug/l #		1
58) 2-Chloroethyl Vinyl ether	9.938	63	756286	279.763 ug/l		99
76) 1,2,3-Trichloropropane	12.626	75	159786	44.675 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	159786	135.531 ug/l #		16
95) Naphthalene	15.384	128	1756	5.142 ug/l #		69

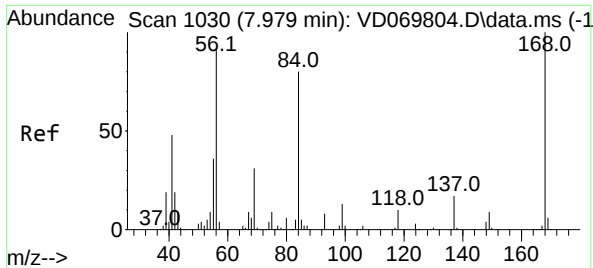
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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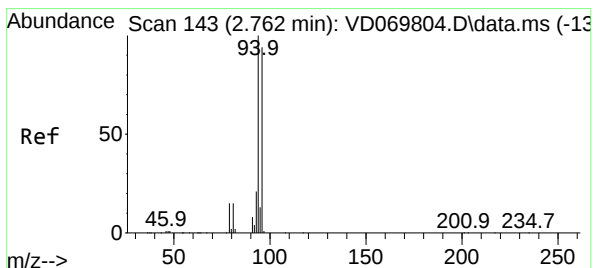
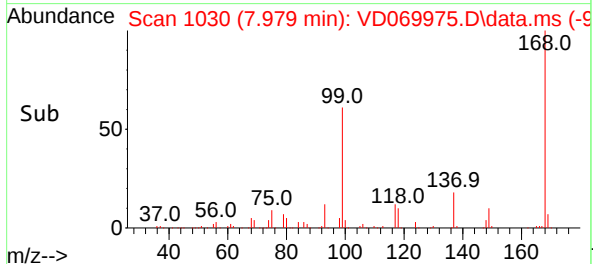
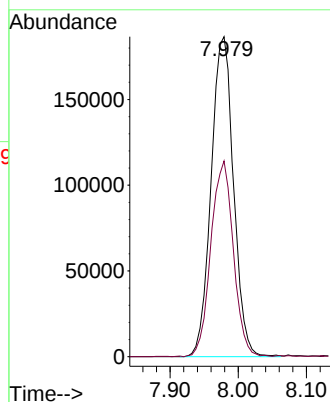
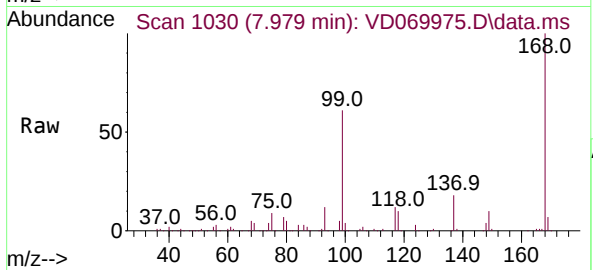




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069975.D
Acq: 03 Aug 2021 19:30

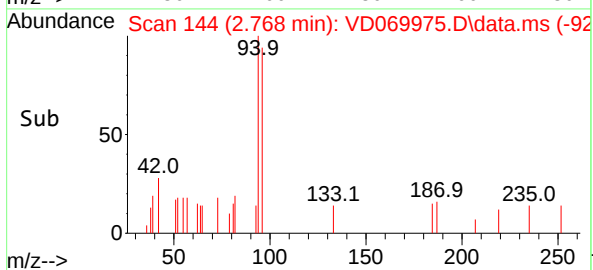
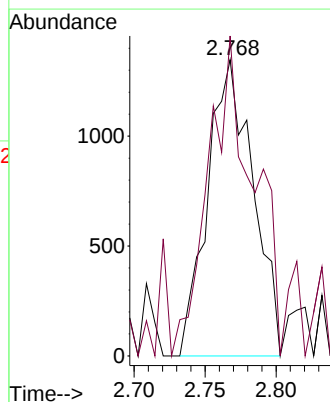
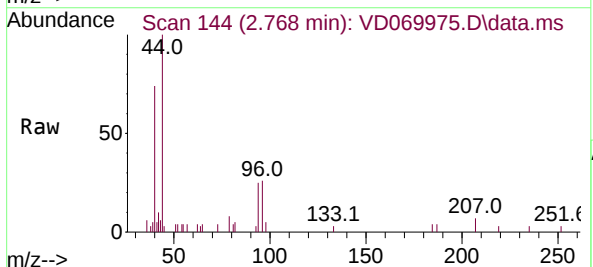
Instrument :
MSVOA_D
ClientSampleId :

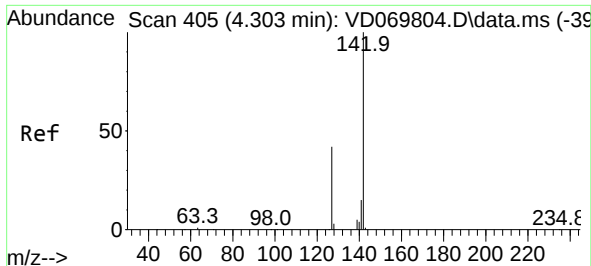
Tgt Ion:168 Resp: 427210
Ion Ratio Lower Upper
168 100
99 61.0 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. 0.006 min
Lab File: VD069975.D
Acq: 03 Aug 2021 19:30

Tgt Ion: 94 Resp: 2996
Ion Ratio Lower Upper
94 100
96 108.0 74.8 112.2

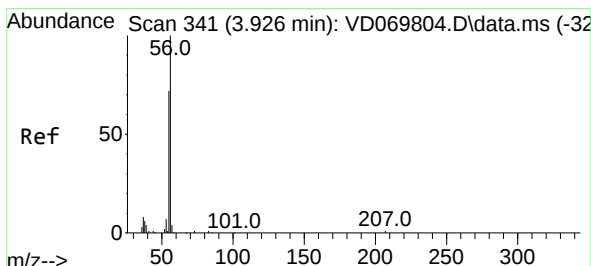
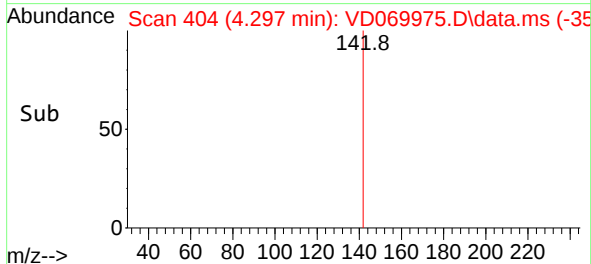
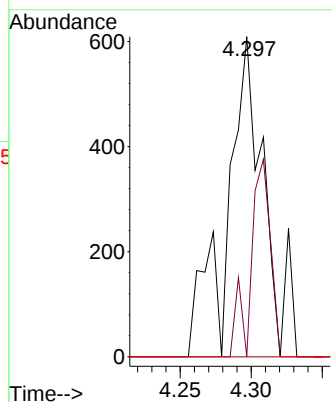
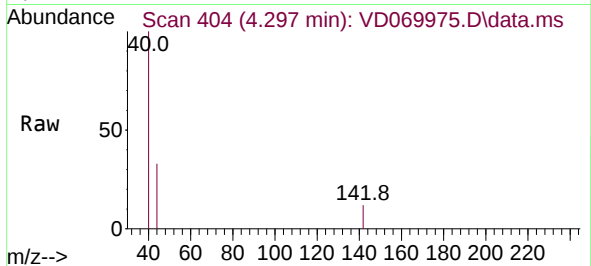




#10
Methyl Iodide
Concen: 3.643 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069975.D
Acq: 03 Aug 2021 19:30

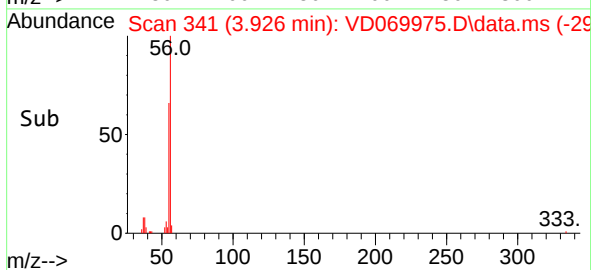
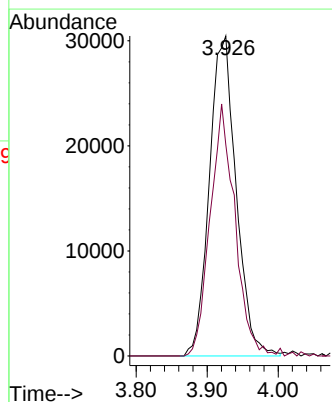
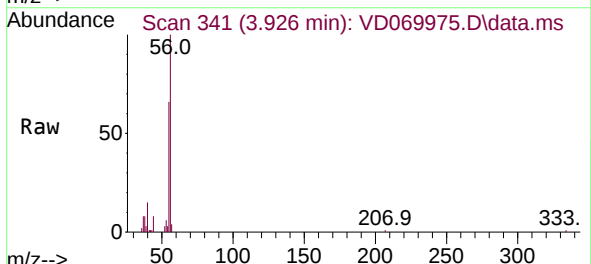
Instrument :
MSVOA_D
ClientSampleId :

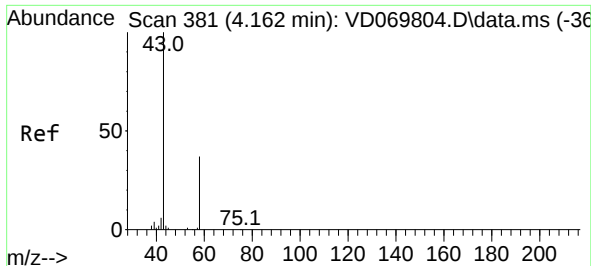
Tgt Ion:142 Resp: 1030
Ion Ratio Lower Upper
142 100
127 35.4 35.7 53.5#
141 0.0 12.0 18.0#



#13
Acrolein
Concen: 223.963 ug/l
RT: 3.926 min Scan# 341
Delta R.T. -0.000 min
Lab File: VD069975.D
Acq: 03 Aug 2021 19:30

Tgt Ion: 56 Resp: 79706
Ion Ratio Lower Upper
56 100
55 72.9 57.2 85.8

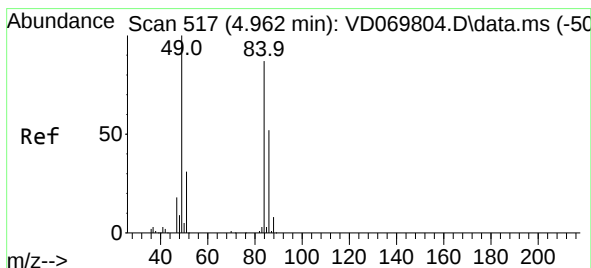
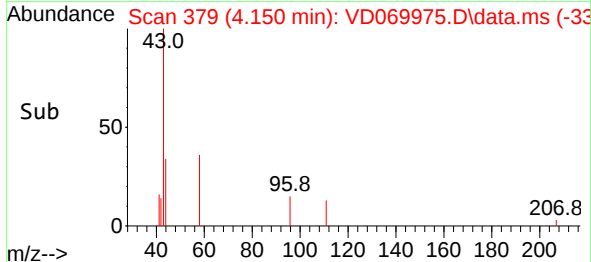
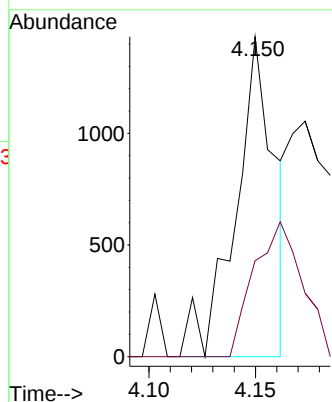
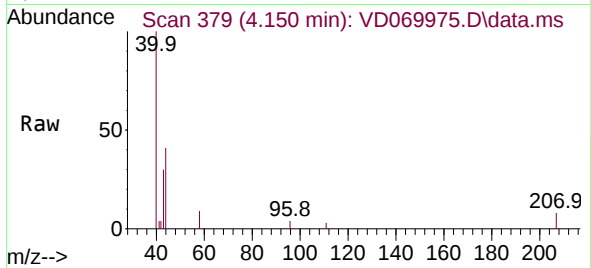




#16
Acetone
Concen: 2.063 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.012 min
Lab File: VD069975.D
Acq: 03 Aug 2021 19:30

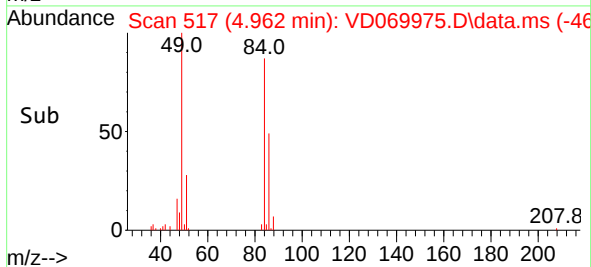
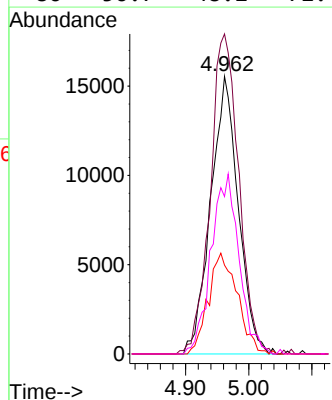
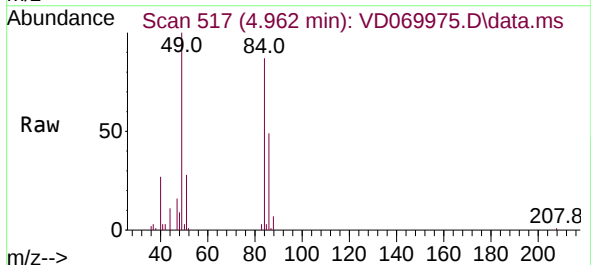
Instrument :
MSVOA_D
ClientSampled :

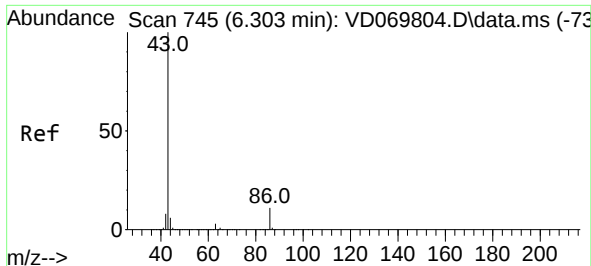
Tgt Ion: 43 Resp: 1831
Ion Ratio Lower Upper
43 100
58 30.0 29.4 44.0



#20
Methylene Chloride
Concen: 1.188 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069975.D
Acq: 03 Aug 2021 19:30

Tgt Ion: 84 Resp: 47295
Ion Ratio Lower Upper
84 100
49 115.3 92.4 138.6
51 32.0 28.5 42.7
86 56.7 48.2 72.4

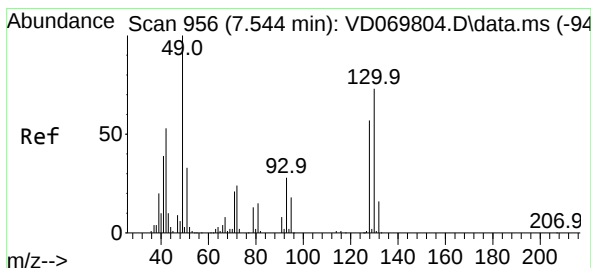
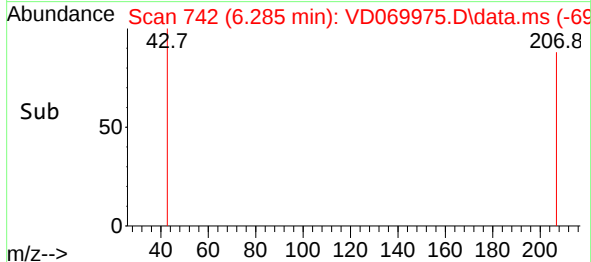
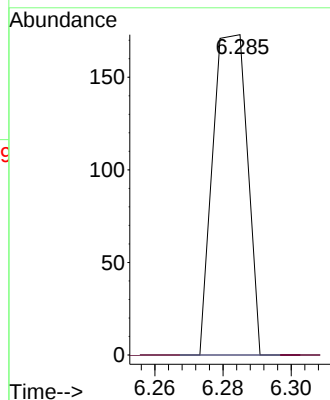
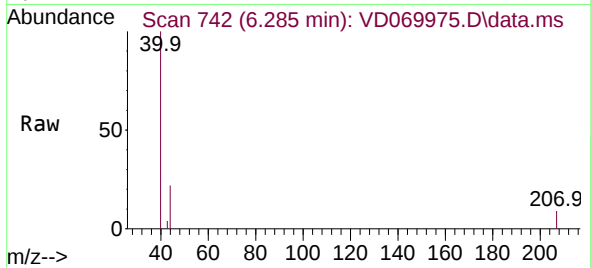




#23
 Vinyl Acetate
 Concen: 20.362 ug/l
 RT: 6.285 min Scan# 742
 Delta R.T. -0.018 min
 Lab File: VD069975.D
 Acq: 03 Aug 2021 19:30

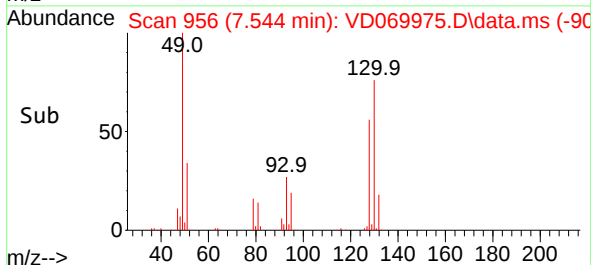
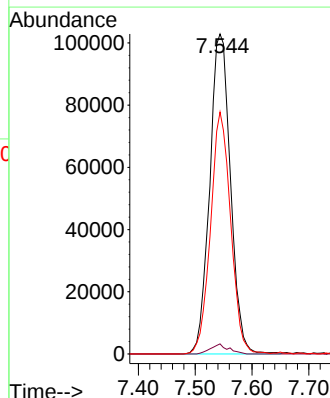
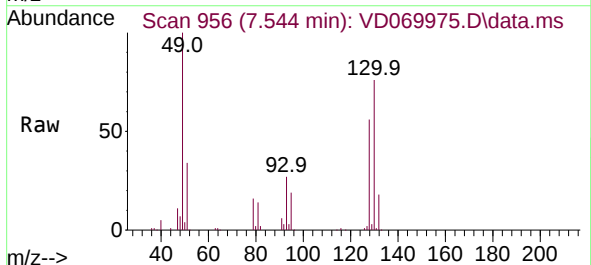
Instrument :
 MSVOA_D
 ClientSampleId :

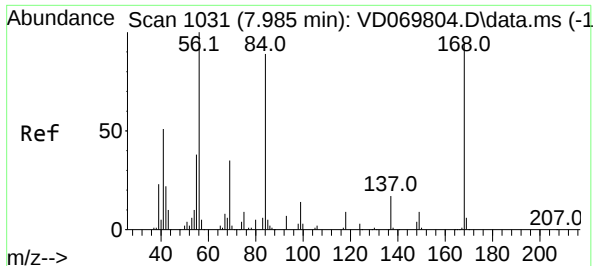
Tgt Ion: 43 Resp: 121
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#28
 Bromochloromethane
 Concen: 63.847 ug/l
 RT: 7.544 min Scan# 956
 Delta R.T. -0.000 min
 Lab File: VD069975.D
 Acq: 03 Aug 2021 19:30

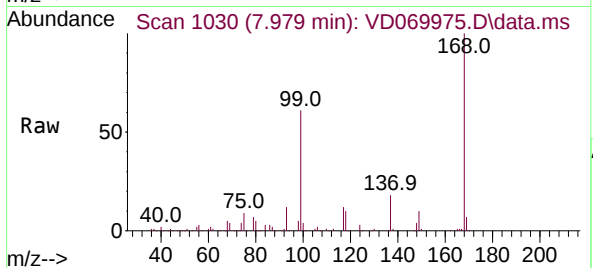
Tgt Ion: 49 Resp: 260730
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 4.2
 130 73.3 59.6 89.4



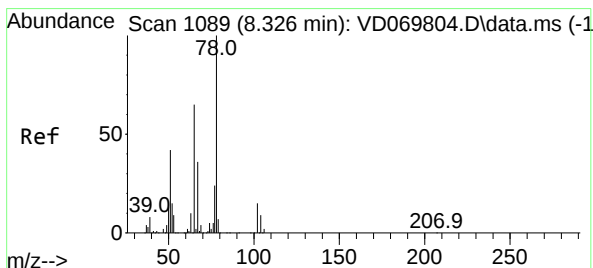
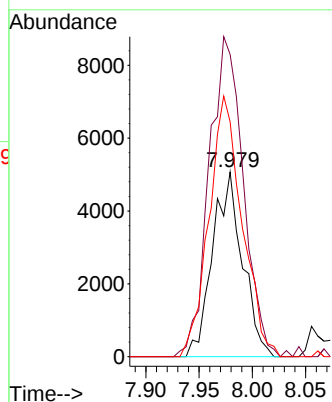
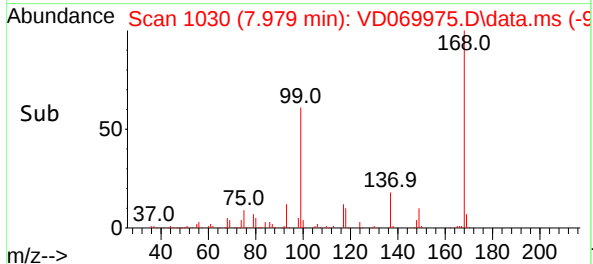


#31
Cyclohexane
Concen: 1.030 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069975.D
Acq: 03 Aug 2021 19:30

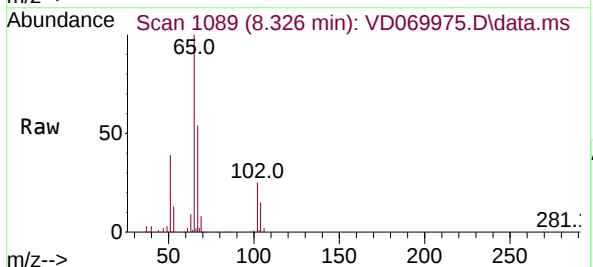
Instrument :
MSVOA_D
ClientSampleId :



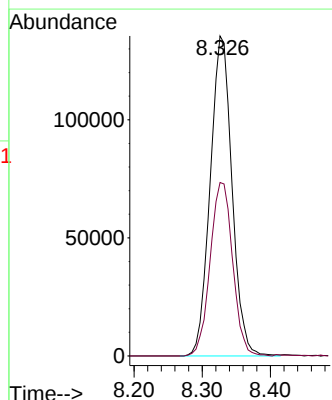
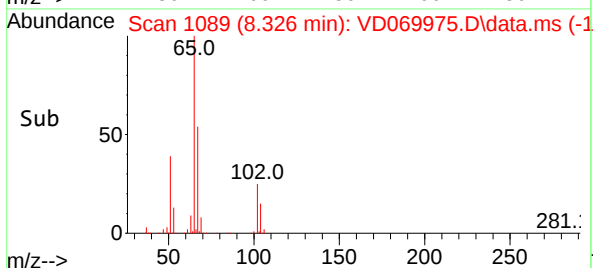
Tgt Ion: 56 Resp: 9886
Ion Ratio Lower Upper
56 100
69 163.7 27.9 41.9#
84 127.2 71.4 107.2#

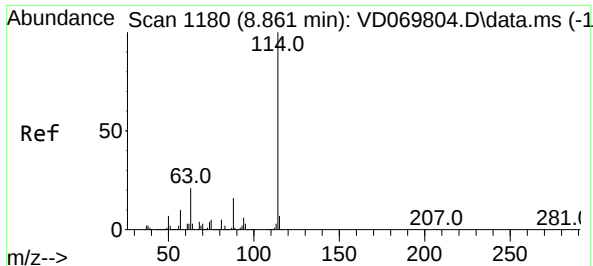


#33
1,2-Dichloroethane-d4
Concen: 61.438 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069975.D
Acq: 03 Aug 2021 19:30



Tgt Ion: 65 Resp: 301861
Ion Ratio Lower Upper
65 100
67 55.8 0.0 111.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD069975.D

Acq: 03 Aug 2021 19:30

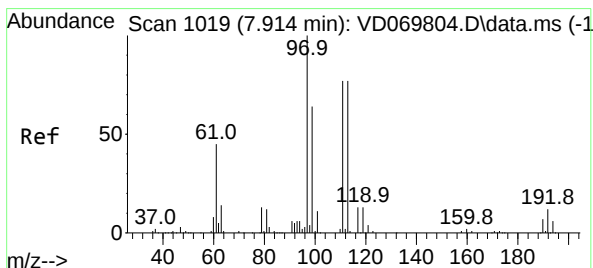
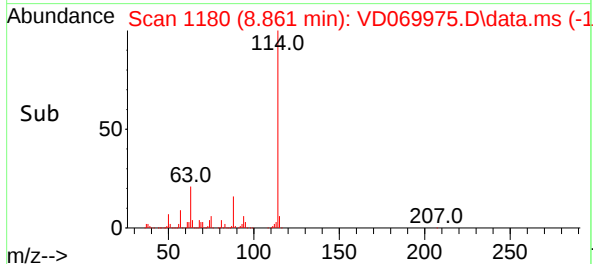
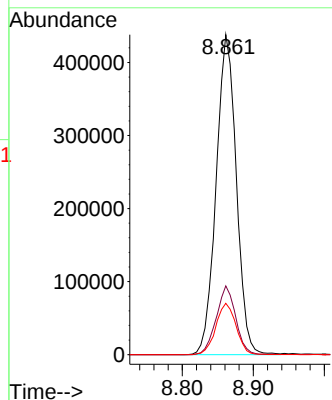
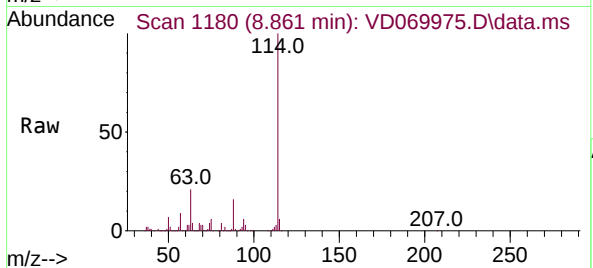
Tgt Ion:114 Resp: 863504

Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.6

88 16.1 0.0 31.4



#35

Dibromofluoromethane

Concen: 54.447 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069975.D

Acq: 03 Aug 2021 19:30

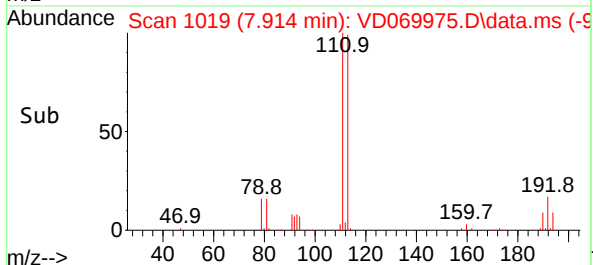
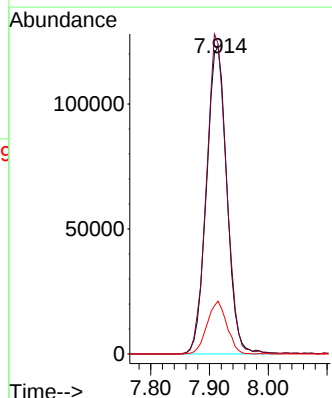
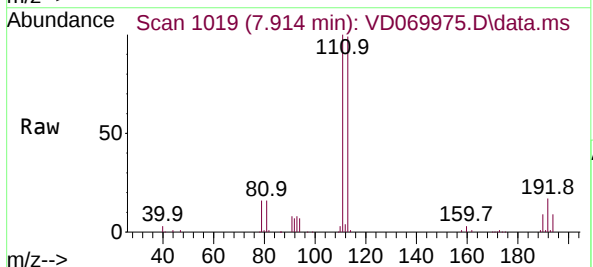
Tgt Ion:113 Resp: 296381

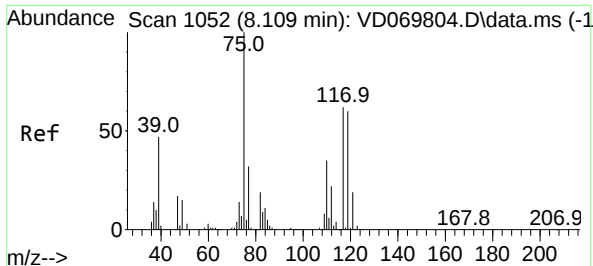
Ion Ratio Lower Upper

113 100

111 102.0 80.5 120.7

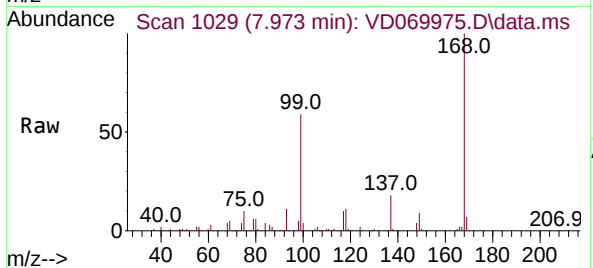
192 16.6 12.6 19.0



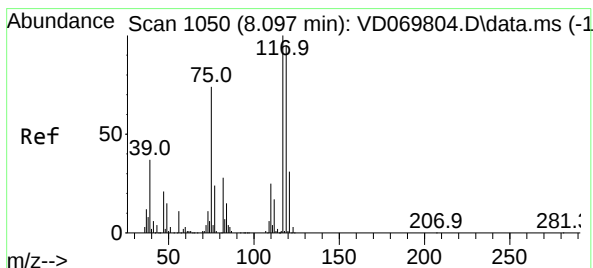
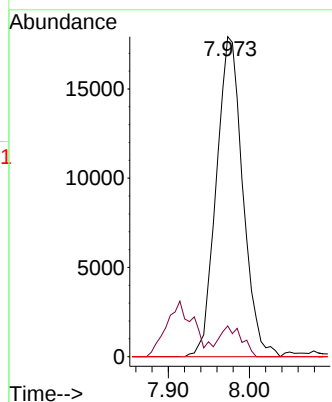
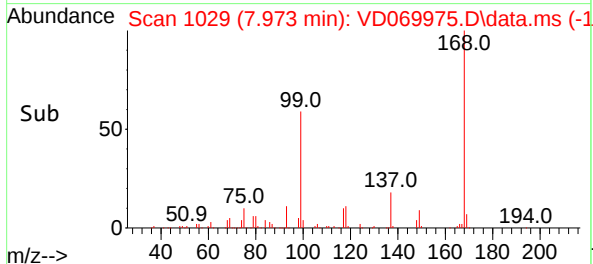


#36
1,1-Dichloropropene
Concen: 4.357 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069975.D
Acq: 03 Aug 2021 19:30

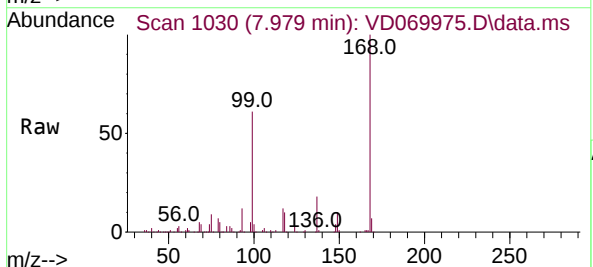
Instrument :
MSVOA_D
ClientSampleId :



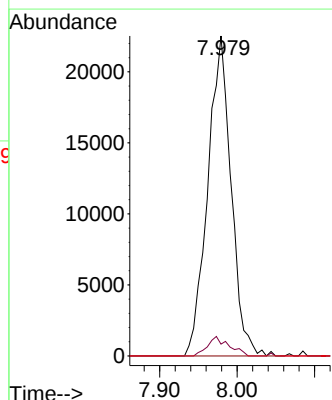
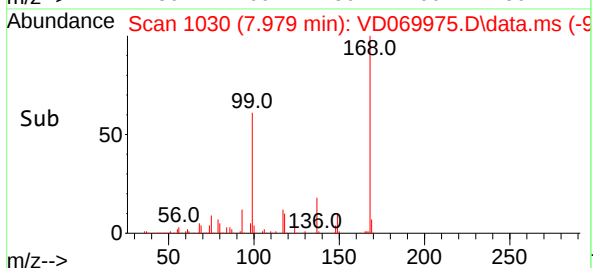
Tgt Ion: 75 Resp: 40601
Ion Ratio Lower Upper
75 100
110 7.8 16.9 50.7#
77 0.0 24.9 37.3#

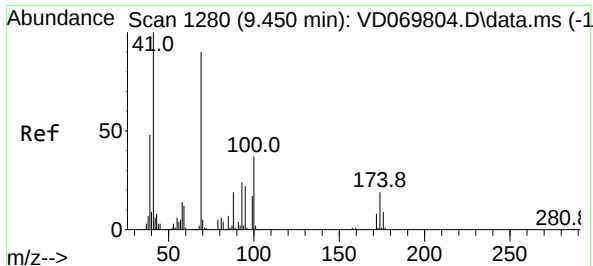


#38
Carbon Tetrachloride
Concen: 5.556 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069975.D
Acq: 03 Aug 2021 19:30



Tgt Ion: 117 Resp: 47289
Ion Ratio Lower Upper
117 100
119 3.7 76.2 114.2#
121 0.0 24.5 36.7#

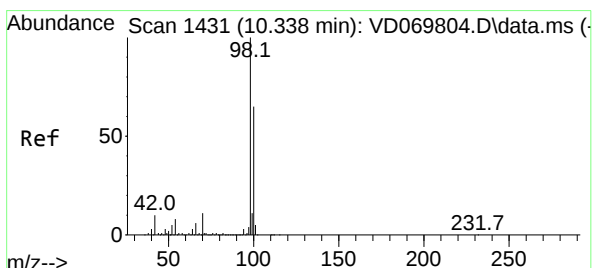
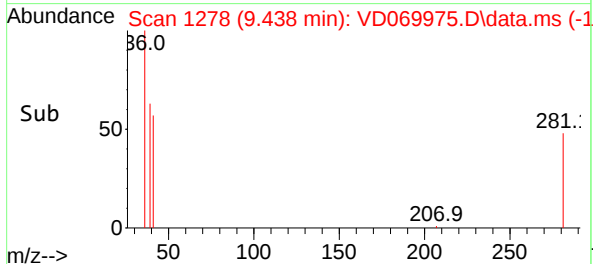
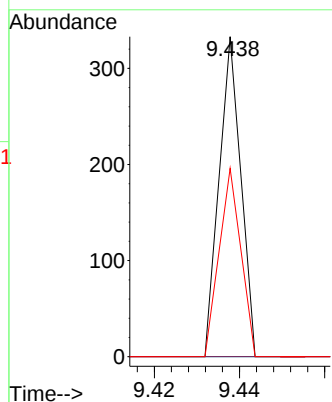
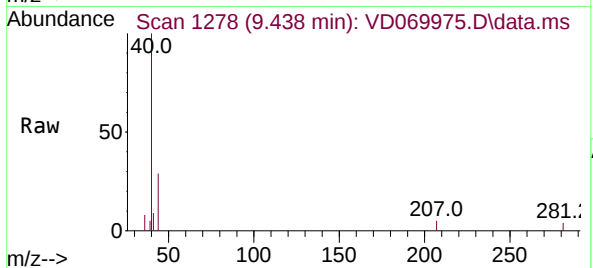




#48
Methyl methacrylate
Concen: 2.781 ug/l
RT: 9.438 min Scan# 1278
Delta R.T. -0.012 min
Lab File: VD069975.D
Acq: 03 Aug 2021 19:30

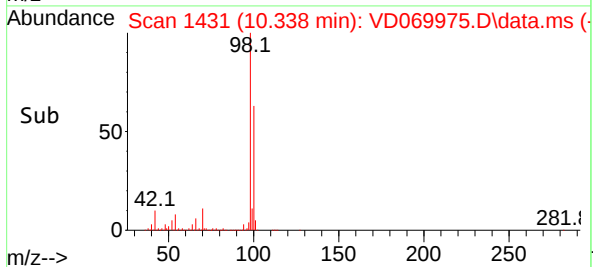
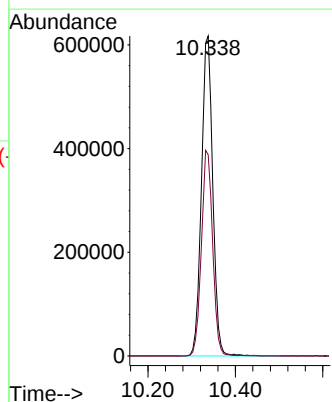
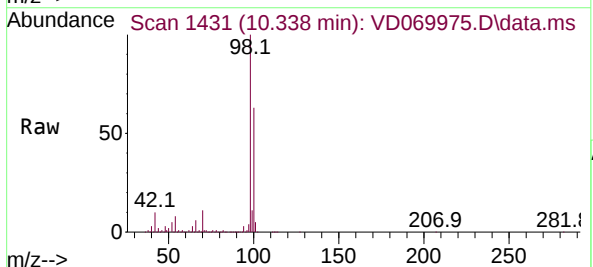
Instrument :
MSVOA_D
ClientSampleId :

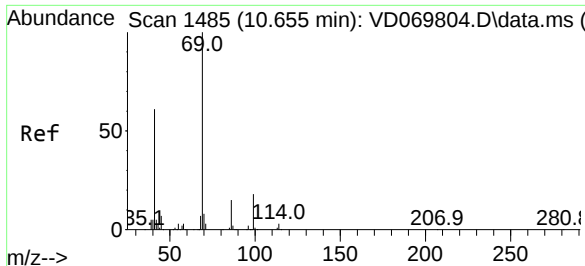
Tgt Ion: 41 Resp: 118
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 58.5 36.6 55.0#



#50
Toluene-d8
Concen: 52.943 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069975.D
Acq: 03 Aug 2021 19:30

Tgt Ion: 98 Resp: 1111266
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9

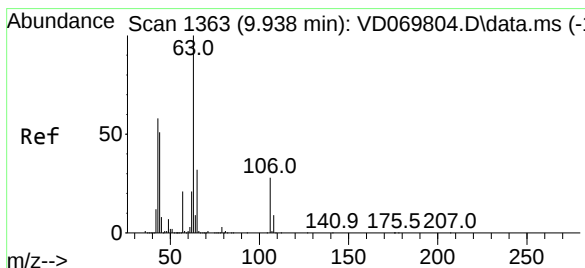
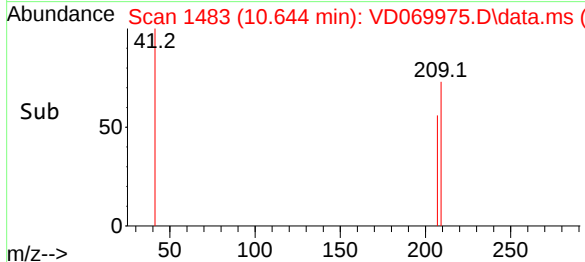
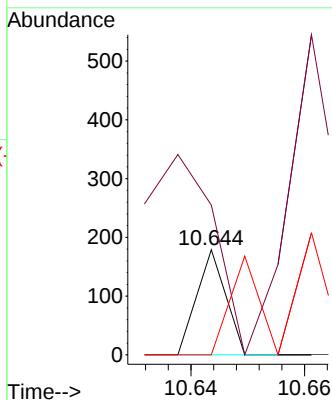
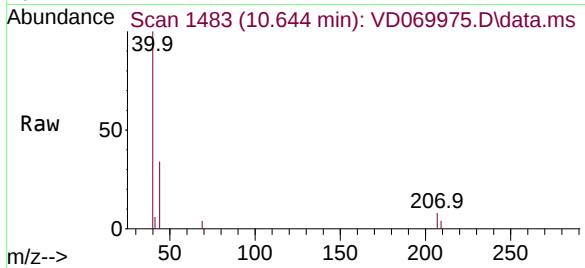




#56
Ethyl methacrylate
Concen: 3.905 ug/l
RT: 10.644 min Scan# 1483
Delta R.T. -0.011 min
Lab File: VD069975.D
Acq: 03 Aug 2021 19:30

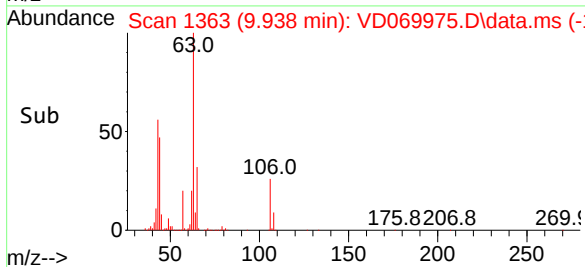
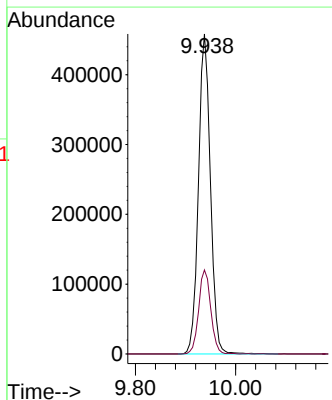
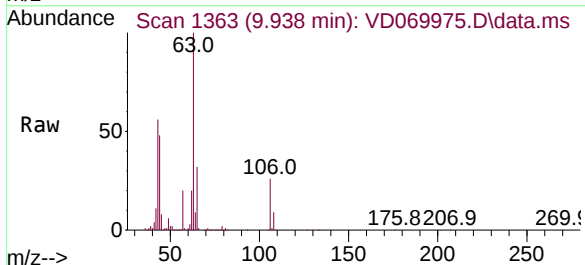
Instrument :
MSVOA_D
ClientSampled :

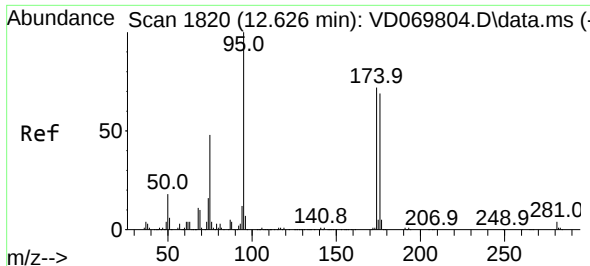
Tgt Ion:	69	Resp:	63
Ion	Ratio	Lower	Upper
69	100		
41	477.8	50.2	75.2#
39	93.7	22.0	33.0#



#58
2-Chloroethyl Vinyl ether
Concen: 279.763 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD069975.D
Acq: 03 Aug 2021 19:30

Tgt Ion:	63	Resp:	756286
Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.8	32.6

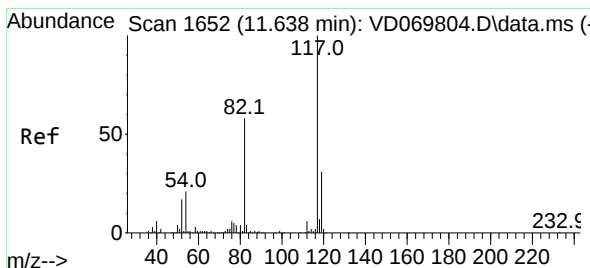
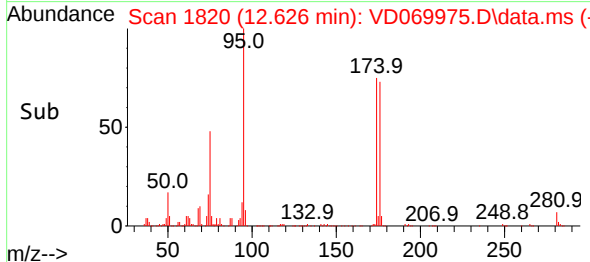
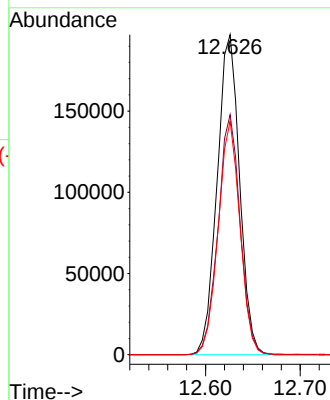
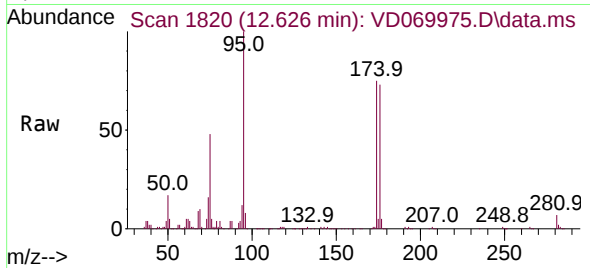




#62
4-Bromofluorobenzene
Concen: 46.258 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069975.D
Acq: 03 Aug 2021 19:30

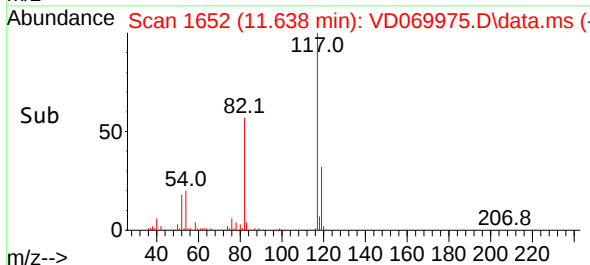
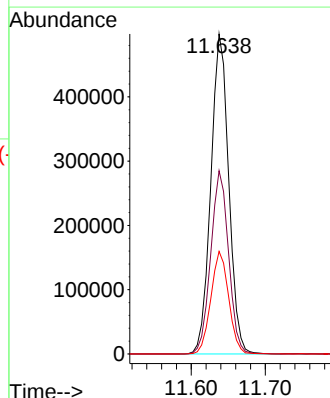
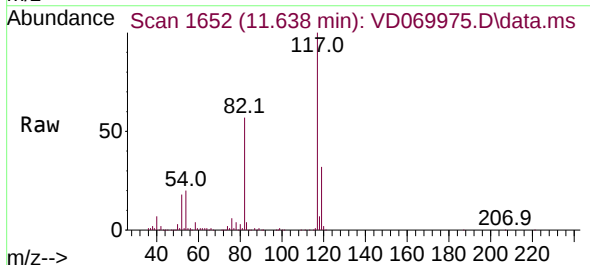
Instrument :
MSVOA_D
ClientSampleId :

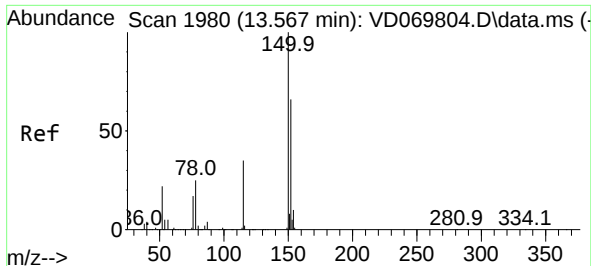
Tgt Ion:	95	Resp:	324497
Ion Ratio	Lower	Upper	
95	100		
174	73.9	0.0	142.6
176	70.8	0.0	134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069975.D
Acq: 03 Aug 2021 19:30

Tgt Ion:	117	Resp:	834185
Ion Ratio	Lower	Upper	
117	100		
82	57.2	46.3	69.5
119	32.0	24.7	37.1

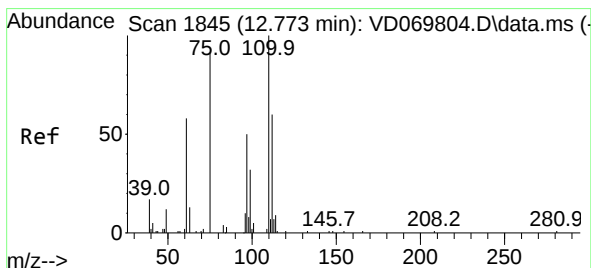
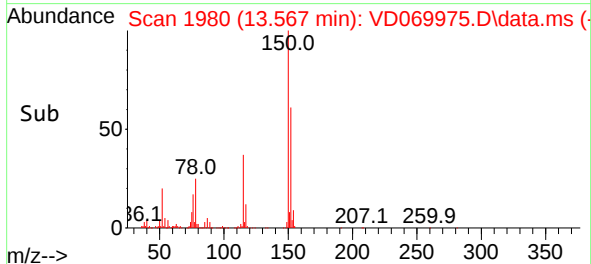
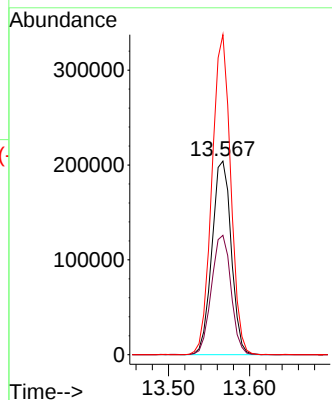
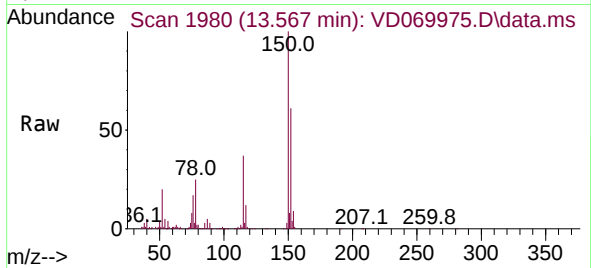




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069975.D
 Acq: 03 Aug 2021 19:30

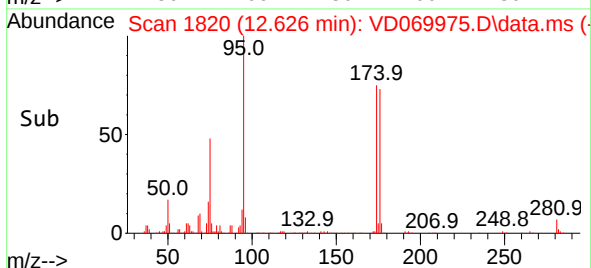
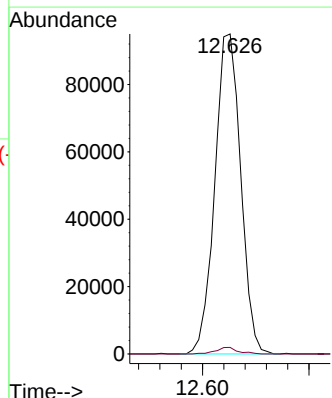
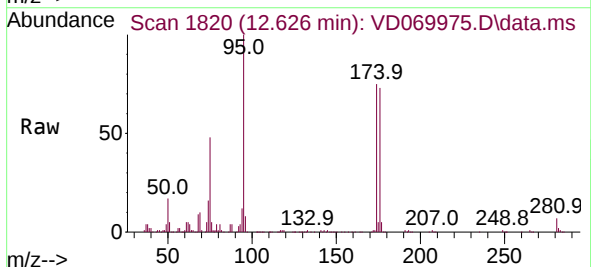
Instrument :
 MSVOA_D
 ClientSampleId :

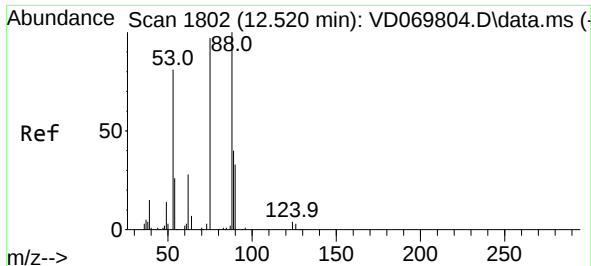
Tgt Ion:152 Resp: 336492
 Ion Ratio Lower Upper
 152 100
 115 62.6 31.1 93.3
 150 160.6 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 44.675 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069975.D
 Acq: 03 Aug 2021 19:30

Tgt Ion: 75 Resp: 159786
 Ion Ratio Lower Upper
 75 100
 77 1.7 181.5 544.5#

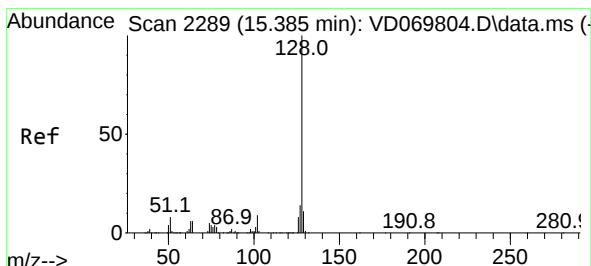
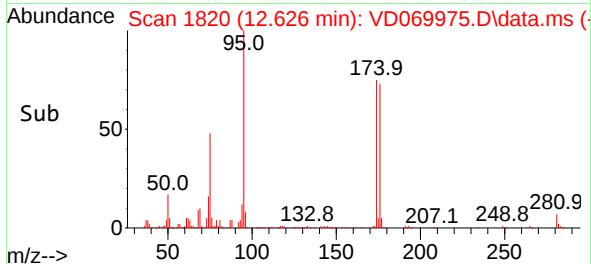
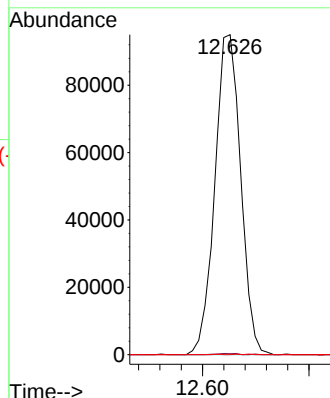
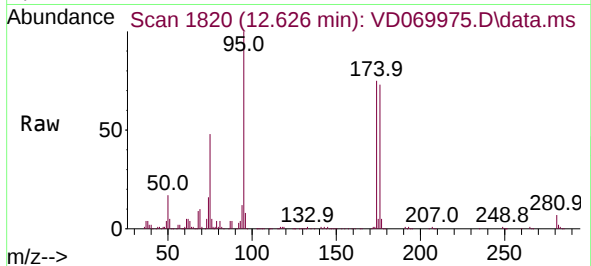




#81
trans-1,4-Dichloro-2-butene
Concen: 135.531 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069975.D
Acq: 03 Aug 2021 19:30

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 159786
Ion Ratio Lower Upper
75 100
53 0.3 67.2 100.8#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 5.142 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD069975.D
Acq: 03 Aug 2021 19:30

Tgt Ion: 128 Resp: 1756
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

