

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071321\
 Data File : VD069677.D
 Acq On : 13 Jul 2021 18:30
 Operator : VA/SY
 Sample : M3001-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 14 06:08:11 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)

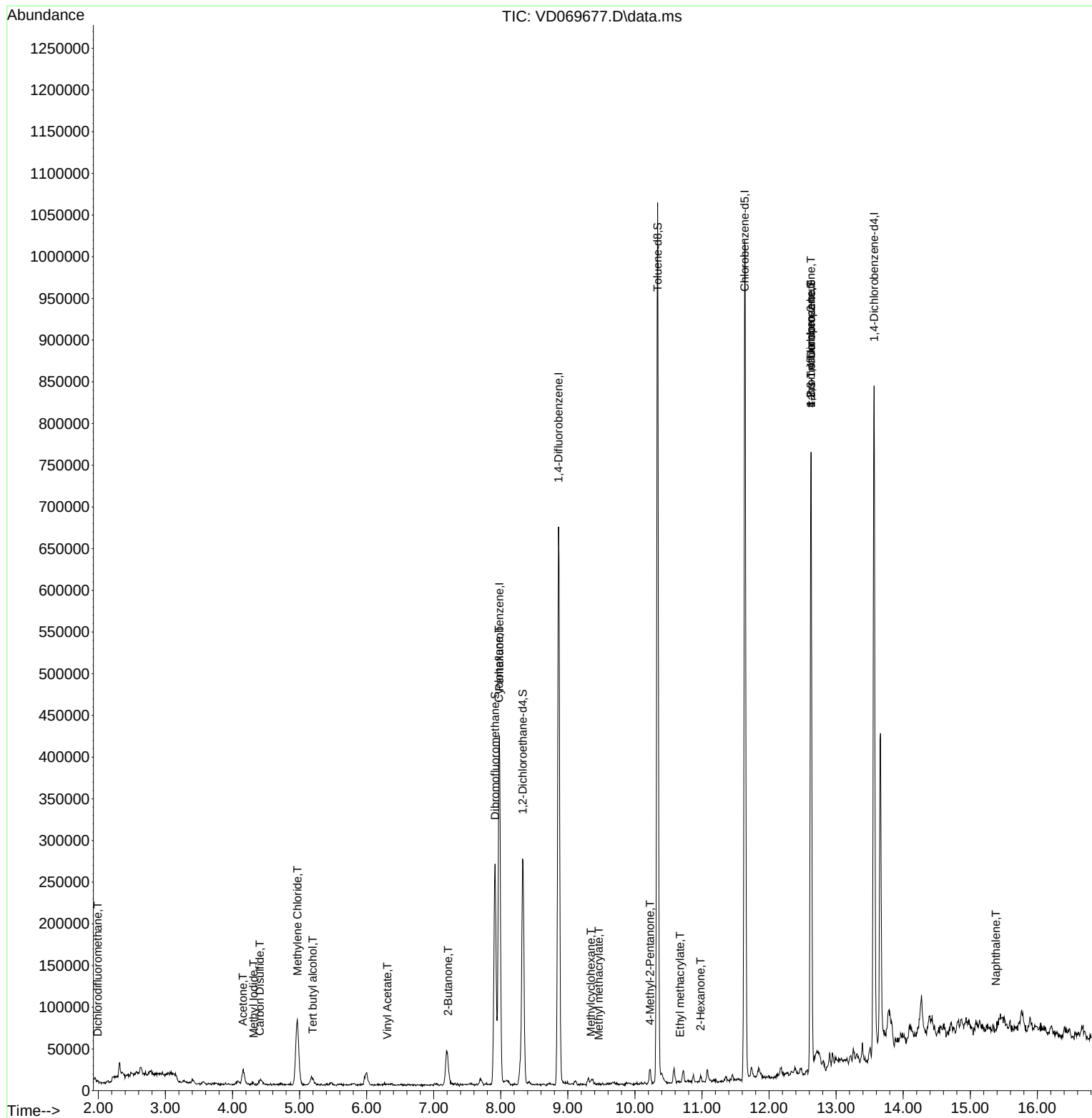
Internal Standards						
1) Pentafluorobenzene	7.979	168	295408	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	560998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	584130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	210947	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	219400	59.481	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.960%			
35) Dibromofluoromethane	7.914	113	192437	51.131	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.260%			
50) Toluene-d8	10.338	98	706472	48.317	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.640%			
62) 4-Bromofluorobenzene	12.626	95	254418	52.172	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.340%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	1414	1.073	ug/l	83
5) Bromomethane	2.785	94	3747	Below Cal		100
10) Methyl Iodide	4.314	142	2795	3.192	ug/l #	43
11) Tert butyl alcohol	5.197	59	4575	9.283	ug/l #	79
16) Acetone	4.156	43	31202	49.910	ug/l	97
17) Carbon Disulfide	4.409	76	8768	1.200	ug/l	96
18) Methyl Acetate	4.726	43	907	Below Cal	#	49
20) Methylene Chloride	4.967	84	63291	7.853	ug/l	98
23) Vinyl Acetate	6.309	43	427	15.494	ug/l #	72
25) 2-Butanone	7.214	43	10522	12.070	ug/l #	77
31) Cyclohexane	7.973	56	8851	1.803	ug/l #	1
39) Methylcyclohexane	9.344	83	1522	2.170	ug/l #	89
48) Methyl methacrylate	9.461	41	202	1.197	ug/l #	48
51) 4-Methyl-2-Pentanone	10.226	43	12483	6.013	ug/l	89
56) Ethyl methacrylate	10.673	69	902	1.893	ug/l #	87
59) 2-Hexanone	10.979	43	4702	3.398	ug/l	78
76) 1,2,3-Trichloropropane	12.626	75	125793	61.384	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	125793	164.966	ug/l #	14
95) Naphthalene	15.384	128	3495	2.706	ug/l #	27

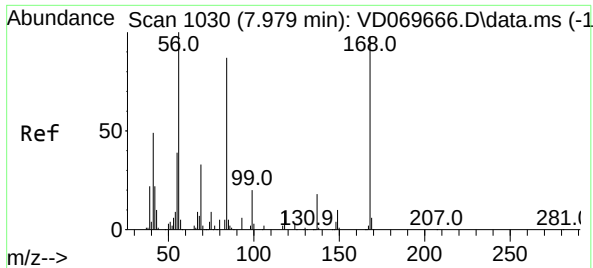
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 14 06:00:31 2021
Response via : Initial Calibration

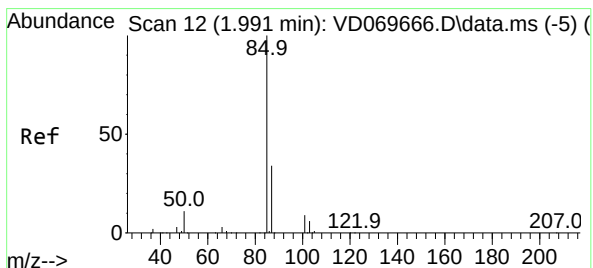
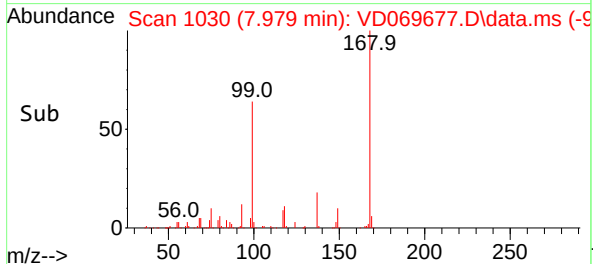
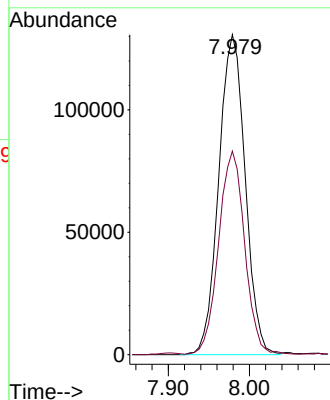
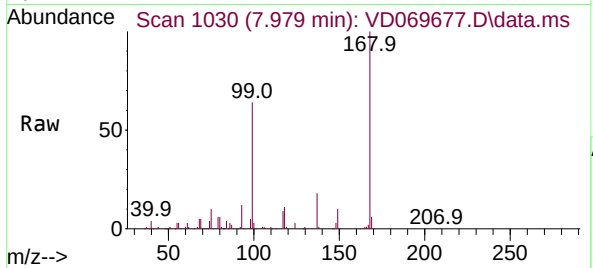




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069677.D
Acq: 13 Jul 2021 18:30

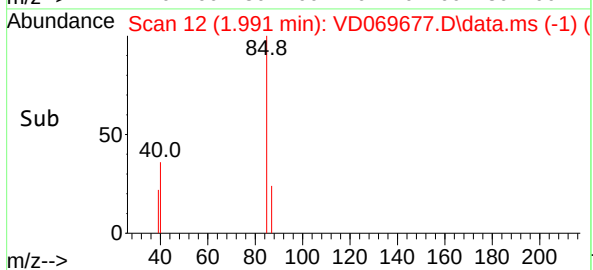
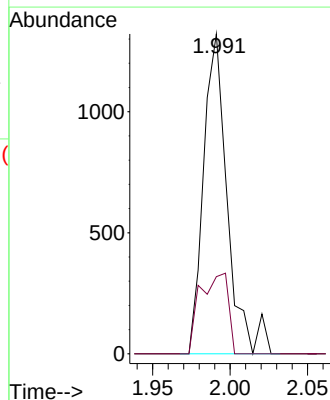
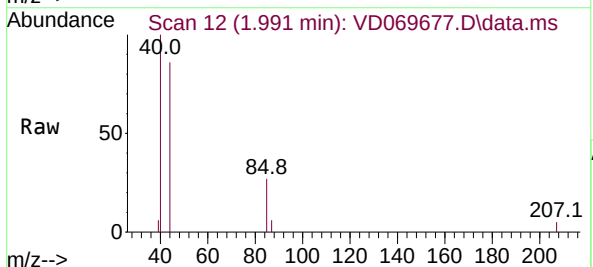
Instrument :
MSVOA_D
ClientSampleId :

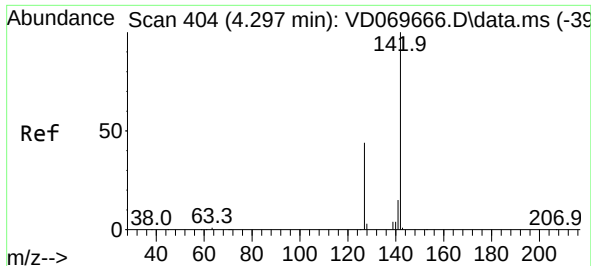
Tgt Ion:168 Resp: 295408
Ion Ratio Lower Upper
168 100
99 63.3 51.8 77.6



#2
Dichlorodifluoromethane
Concen: 1.073 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD069677.D
Acq: 13 Jul 2021 18:30

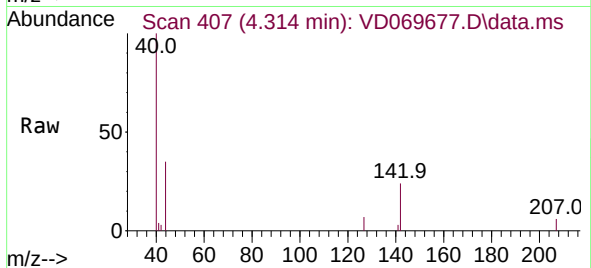
Tgt Ion: 85 Resp: 1414
Ion Ratio Lower Upper
85 100
87 24.1 17.0 51.0



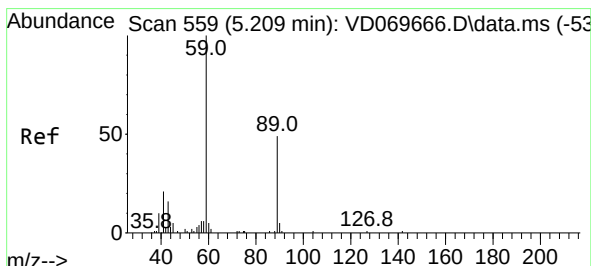
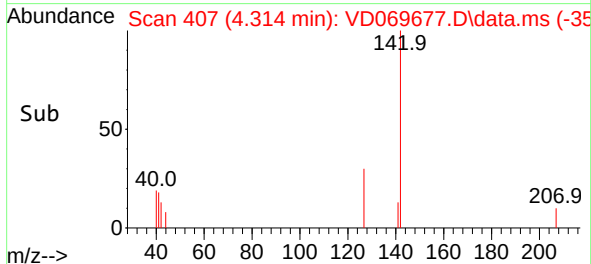
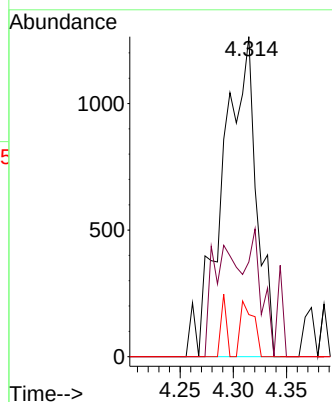


#10
Methyl Iodide
Concen: 3.192 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.018 min
Lab File: VD069677.D
Acq: 13 Jul 2021 18:30

Instrument :
MSVOA_D
ClientSampled :

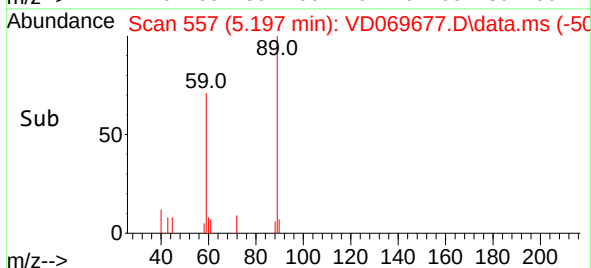
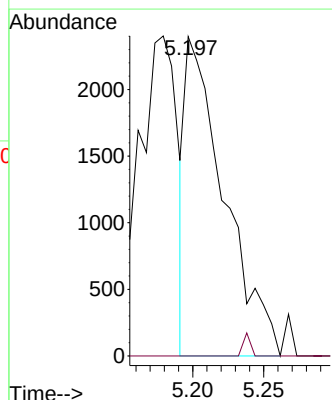
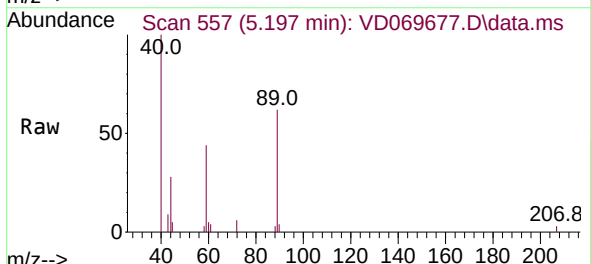


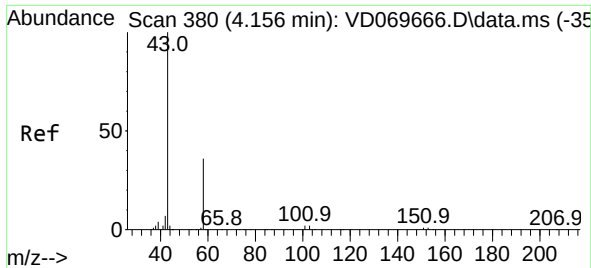
Tgt Ion:142 Resp: 2795
Ion Ratio Lower Upper
142 100
127 0.0 36.1 54.1#
141 6.9 11.6 17.4#



#11
Tert butyl alcohol
Concen: 9.283 ug/l
RT: 5.197 min Scan# 557
Delta R.T. -0.012 min
Lab File: VD069677.D
Acq: 13 Jul 2021 18:30

Tgt Ion: 59 Resp: 4575
Ion Ratio Lower Upper
59 100
57 0.0 5.7 8.5#

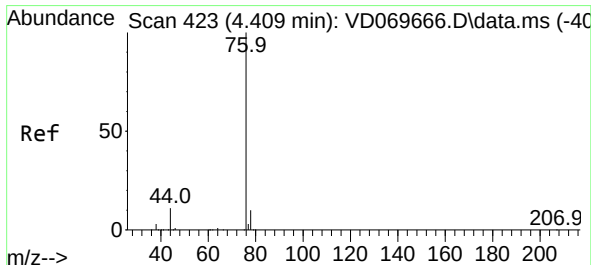
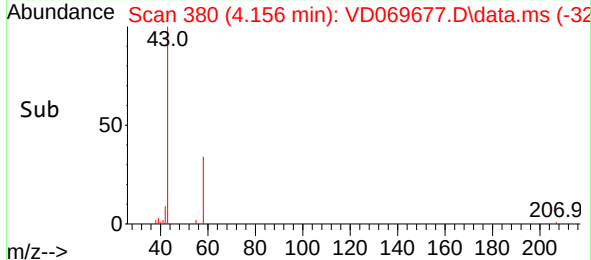
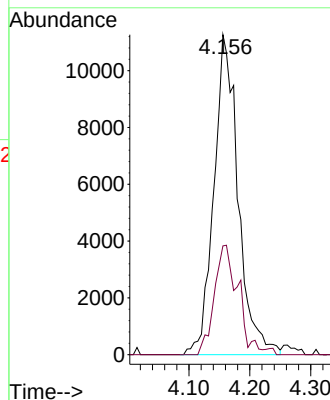
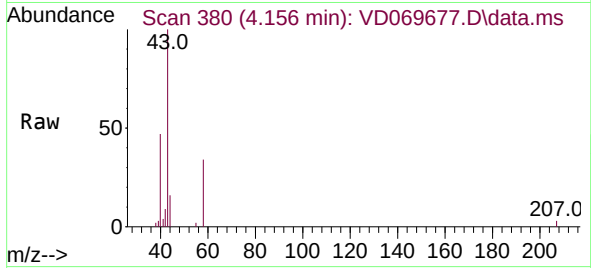




#16
Acetone
Concen: 49.910 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069677.D
Acq: 13 Jul 2021 18:30

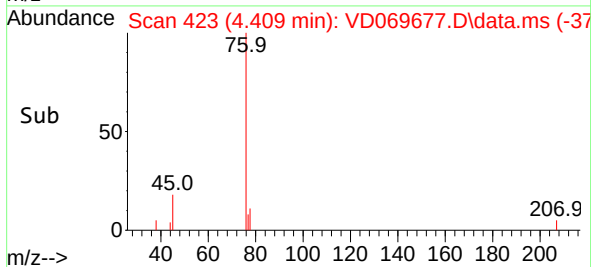
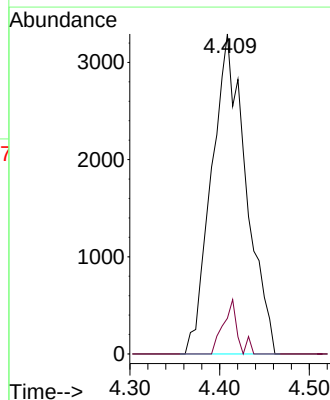
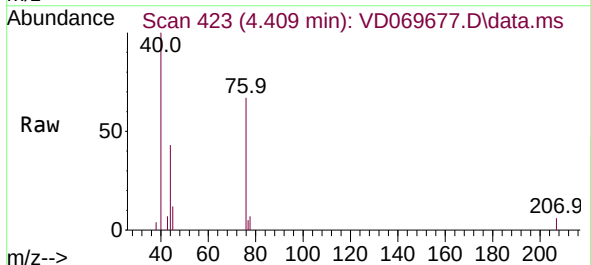
Instrument :
MSVOA_D
ClientSampleId :

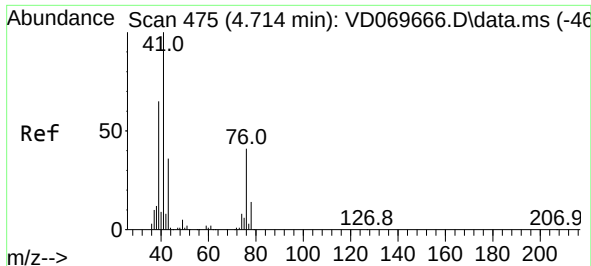
Tgt Ion: 43 Resp: 31202
Ion Ratio Lower Upper
43 100
58 34.0 28.6 42.8



#17
Carbon Disulfide
Concen: 1.200 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069677.D
Acq: 13 Jul 2021 18:30

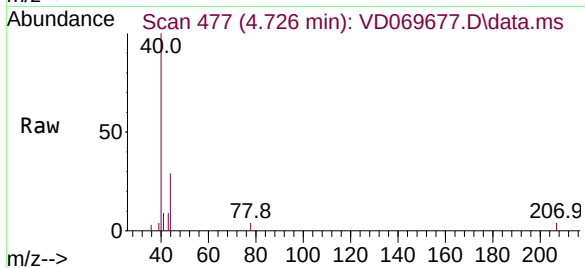
Tgt Ion: 76 Resp: 8768
Ion Ratio Lower Upper
76 100
78 11.1 7.6 11.4



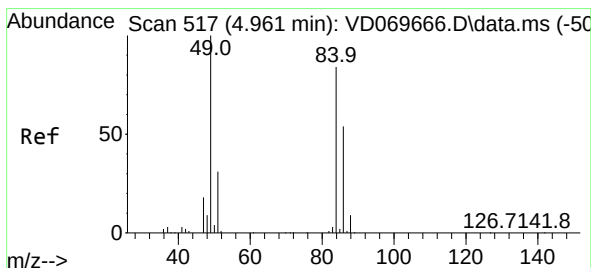
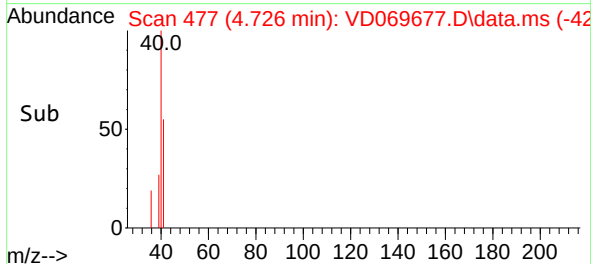
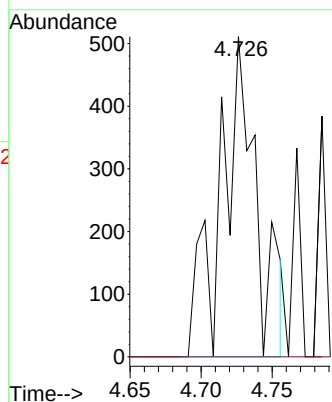


#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.012 min
Lab File: VD069677.D
Acq: 13 Jul 2021 18:30

Instrument :
MSVOA_D
ClientSampled :

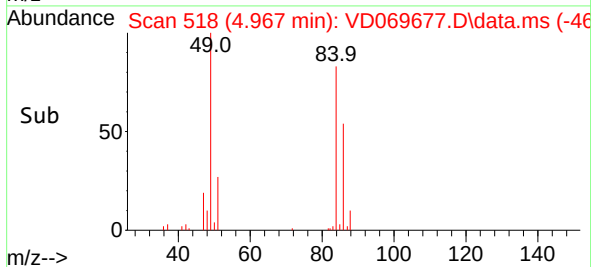
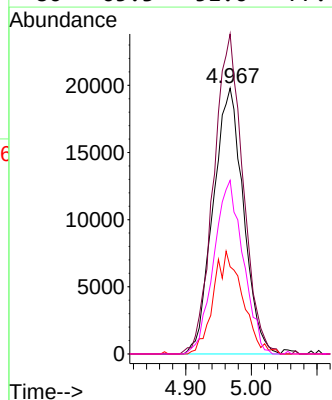
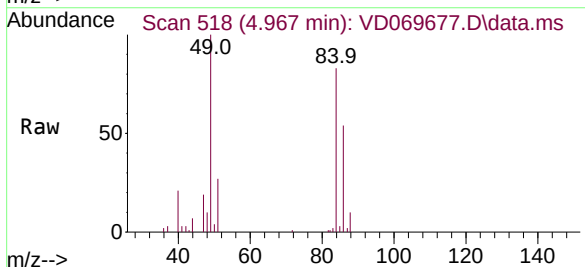


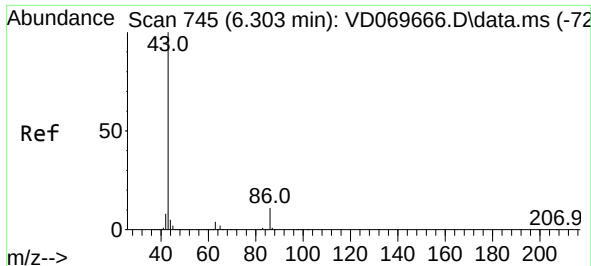
Tgt Ion: 43 Resp: 907
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#20
Methylene Chloride
Concen: 7.853 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD069677.D
Acq: 13 Jul 2021 18:30

Tgt Ion: 84 Resp: 63291
Ion Ratio Lower Upper
84 100
49 120.4 95.5 143.3
51 32.8 29.7 44.5
86 65.3 51.6 77.4

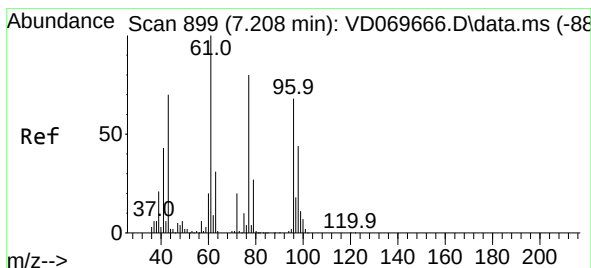
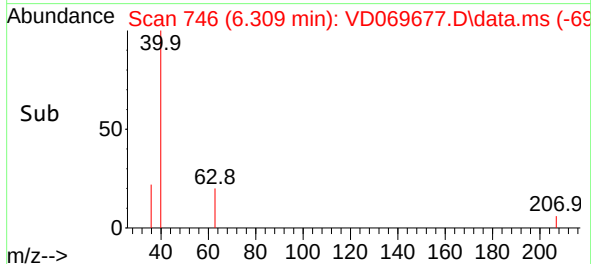
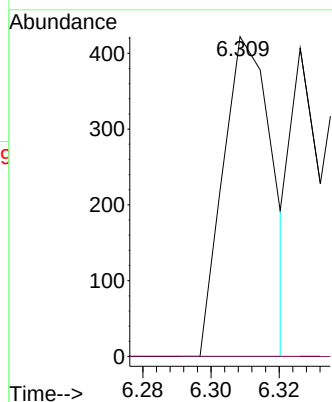
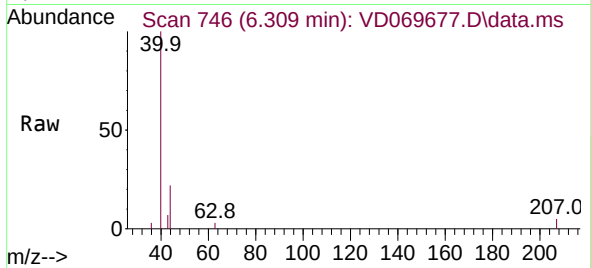




#23
 Vinyl Acetate
 Concen: 15.494 ug/l
 RT: 6.309 min Scan# 746
 Delta R.T. 0.006 min
 Lab File: VD069677.D
 Acq: 13 Jul 2021 18:30

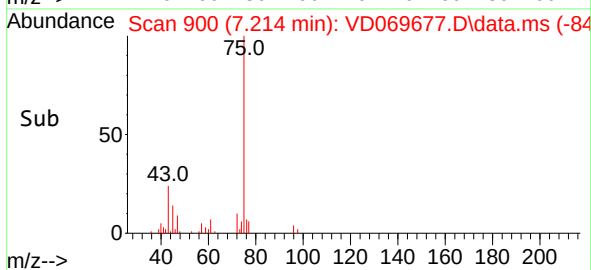
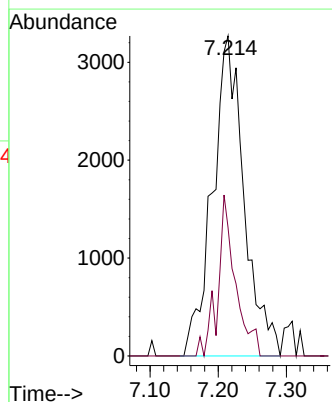
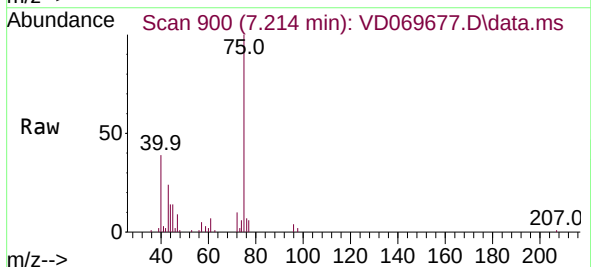
Instrument :
 MSVOA_D
 ClientSampled :

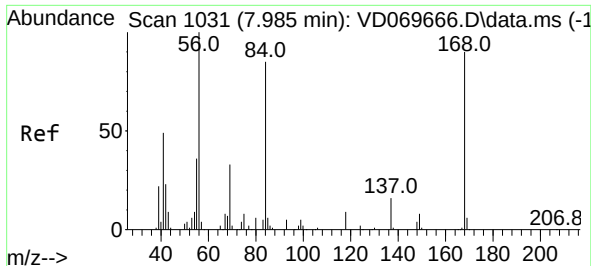
Tgt Ion: 43 Resp: 427
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#25
 2-Butanone
 Concen: 12.070 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. 0.006 min
 Lab File: VD069677.D
 Acq: 13 Jul 2021 18:30

Tgt Ion: 43 Resp: 10522
 Ion Ratio Lower Upper
 43 100
 72 40.1 22.6 33.8#





#31

Cyclohexane

Concen: 1.803 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD069677.D

Acq: 13 Jul 2021 18:30

Instrument :

MSVOA_D

ClientSampleId :

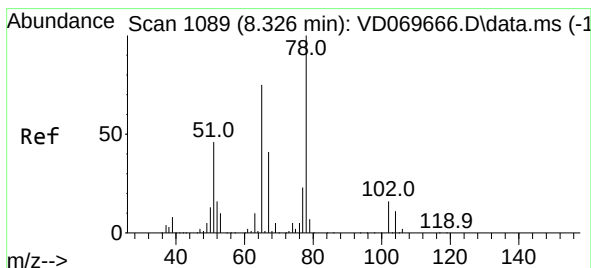
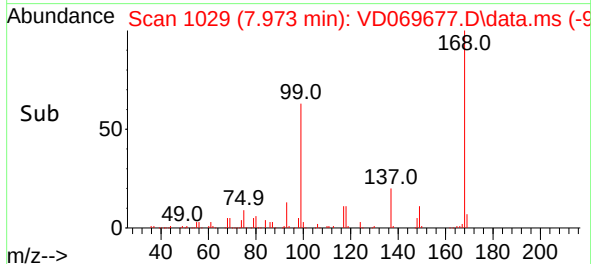
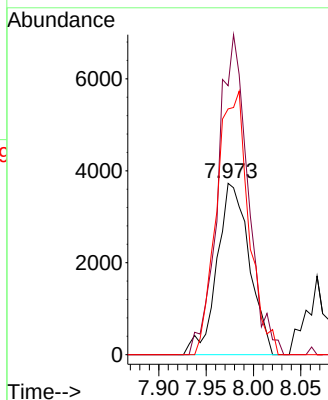
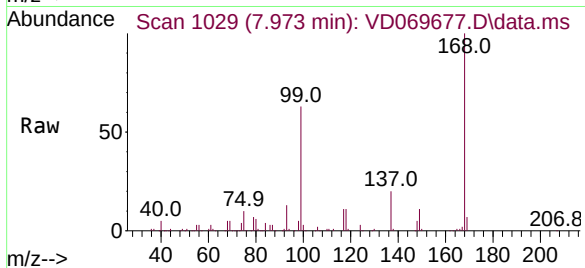
Tgt Ion: 56 Resp: 8851

Ion Ratio Lower Upper

56 100

69 157.0 26.6 39.8#

84 143.4 68.2 102.2#



#33

1,2-Dichloroethane-d4

Concen: 59.481 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD069677.D

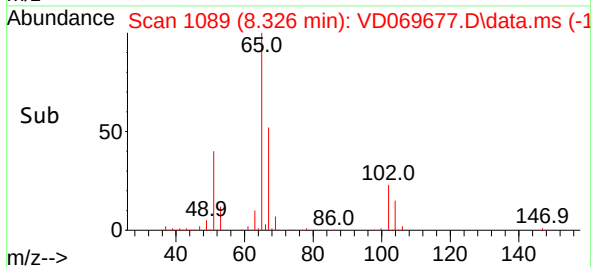
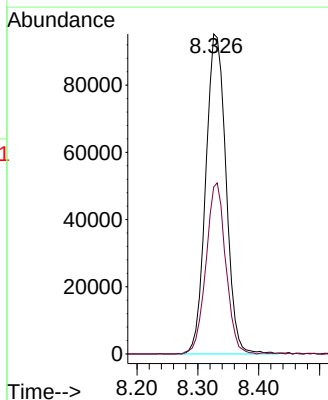
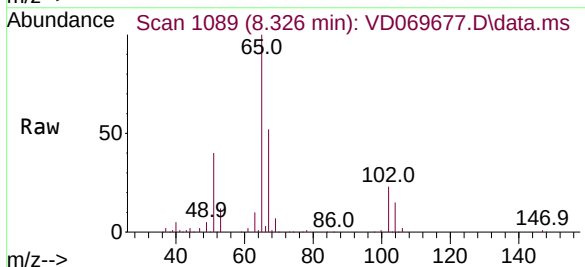
Acq: 13 Jul 2021 18:30

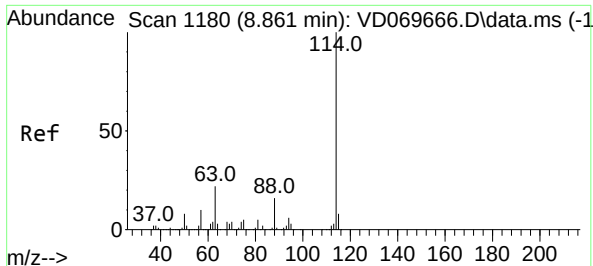
Tgt Ion: 65 Resp: 219400

Ion Ratio Lower Upper

65 100

67 52.2 0.0 107.2

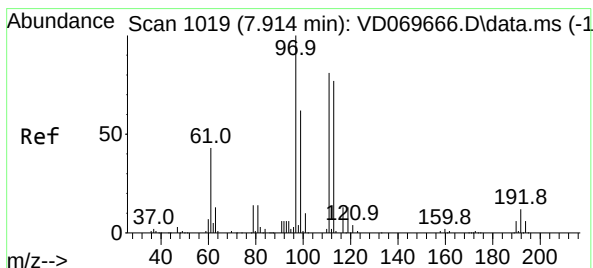
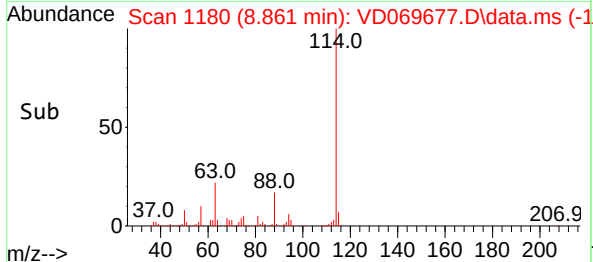
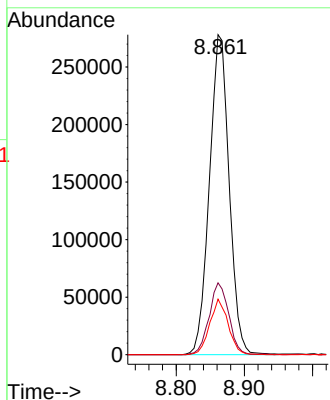
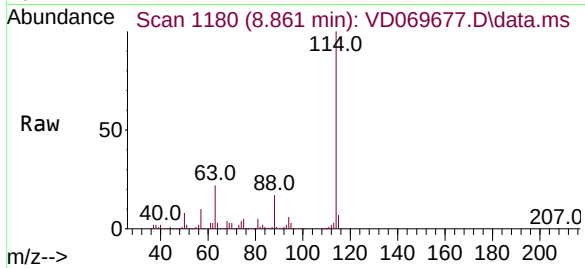




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069677.D
Acq: 13 Jul 2021 18:30

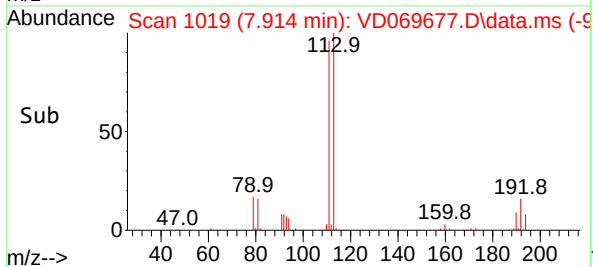
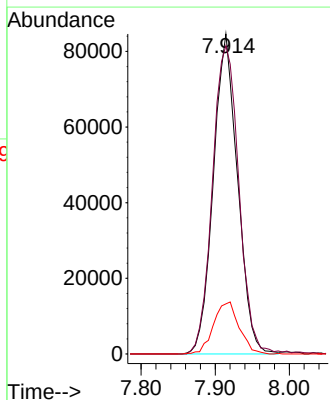
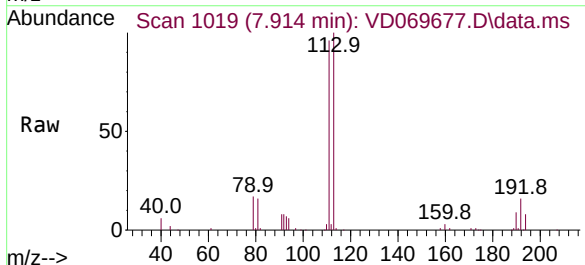
Instrument :
MSVOA_D
ClientSampleId :

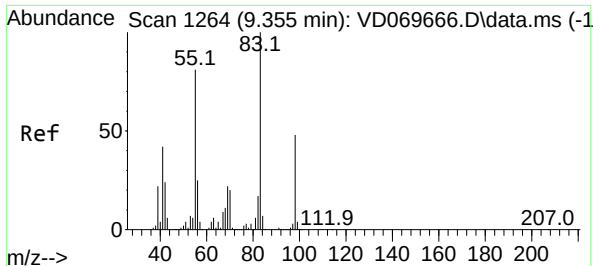
Tgt Ion:114 Resp: 560998
Ion Ratio Lower Upper
114 100
63 22.4 0.0 43.4
88 17.4 0.0 32.0



#35
Dibromofluoromethane
Concen: 51.131 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069677.D
Acq: 13 Jul 2021 18:30

Tgt Ion:113 Resp: 192437
Ion Ratio Lower Upper
113 100
111 105.4 82.6 123.8
192 17.1 12.7 19.1





#39

Methylcyclohexane

Concen: 2.170 ug/l

RT: 9.344 min Scan# 1262

Delta R.T. -0.011 min

Lab File: VD069677.D

Acq: 13 Jul 2021 18:30

Tgt Ion: 83 Resp: 1522

Ion Ratio Lower Upper

83 100

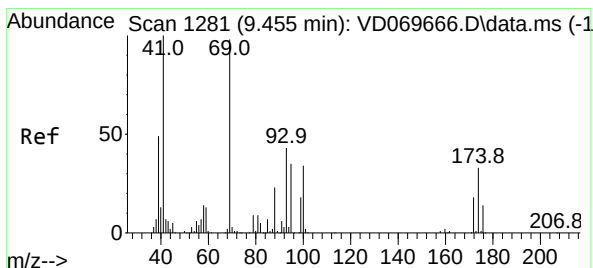
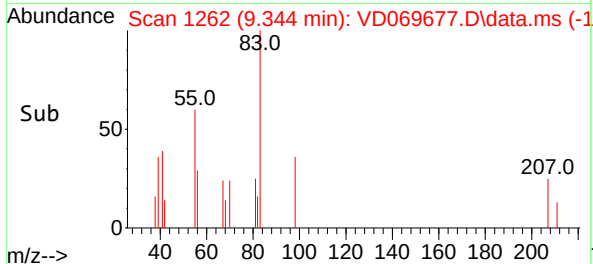
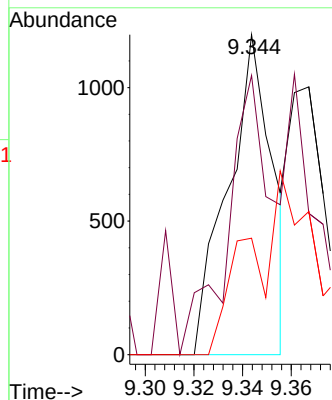
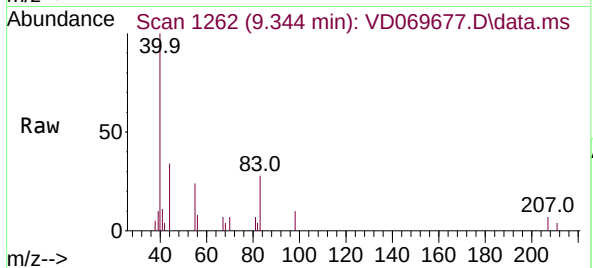
55 87.2 64.6 97.0

98 36.4 38.4 57.6#

Instrument :

MSVOA_D

ClientSampleId :



#48

Methyl methacrylate

Concen: 1.197 ug/l

RT: 9.461 min Scan# 1282

Delta R.T. 0.006 min

Lab File: VD069677.D

Acq: 13 Jul 2021 18:30

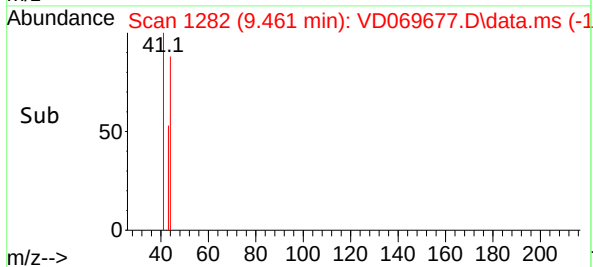
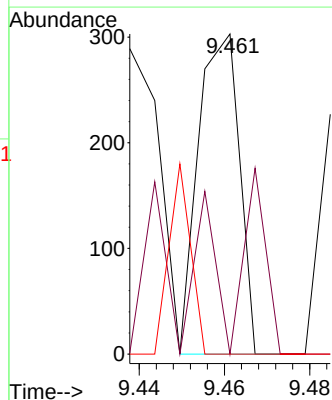
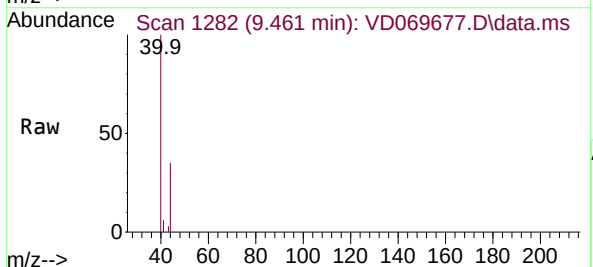
Tgt Ion: 41 Resp: 202

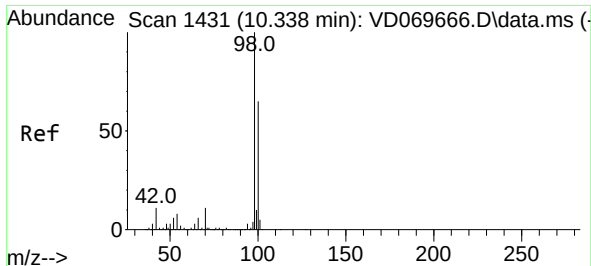
Ion Ratio Lower Upper

41 100

69 26.7 71.6 107.4#

39 31.2 36.7 55.1#

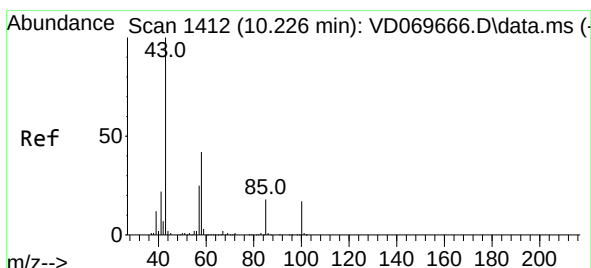
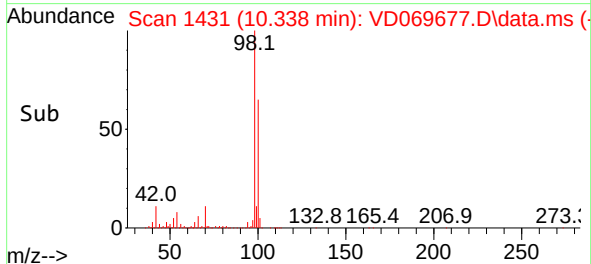
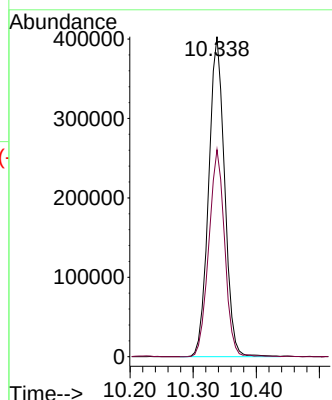
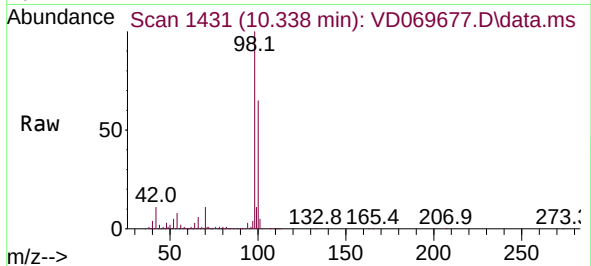




#50
Toluene-d8
Concen: 48.317 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069677.D
Acq: 13 Jul 2021 18:30

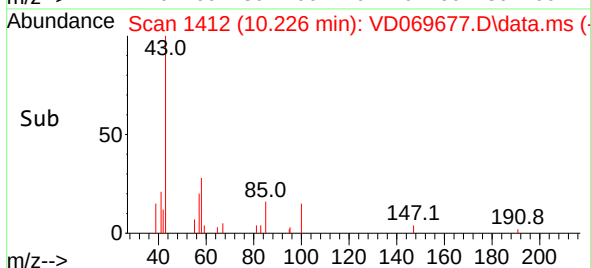
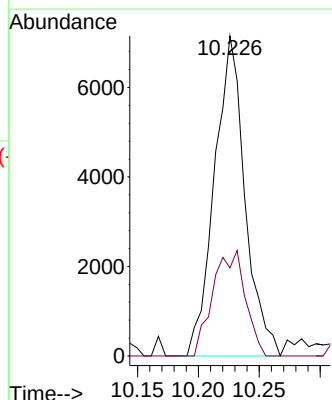
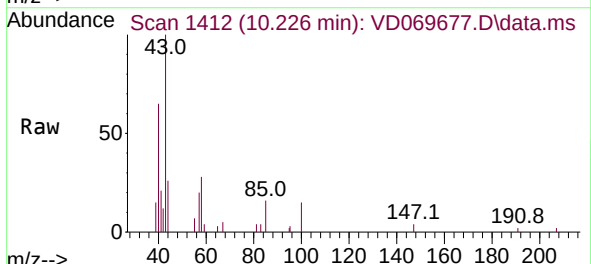
Instrument :
MSVOA_D
ClientSampleId :

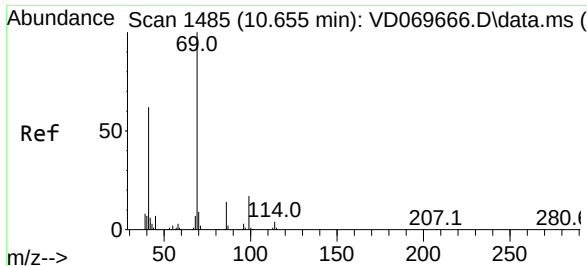
Tgt Ion: 98 Resp: 706472
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 6.013 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD069677.D
Acq: 13 Jul 2021 18:30

Tgt Ion: 43 Resp: 12483
Ion Ratio Lower Upper
43 100
58 34.9 33.5 50.3

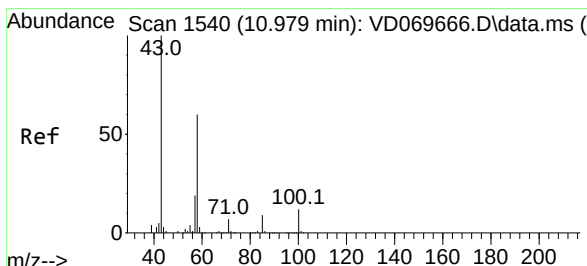
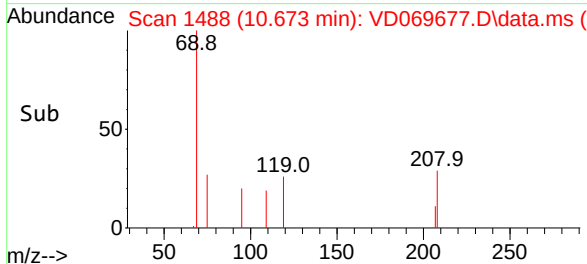
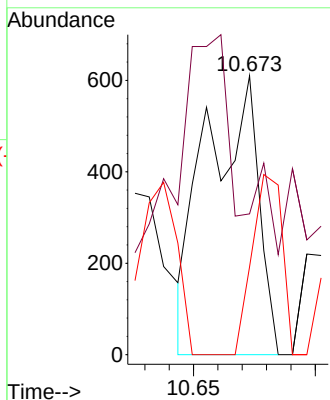
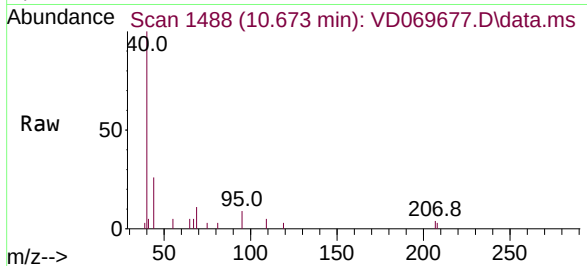




#56
Ethyl methacrylate
Concen: 1.893 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.018 min
Lab File: VD069677.D
Acq: 13 Jul 2021 18:30

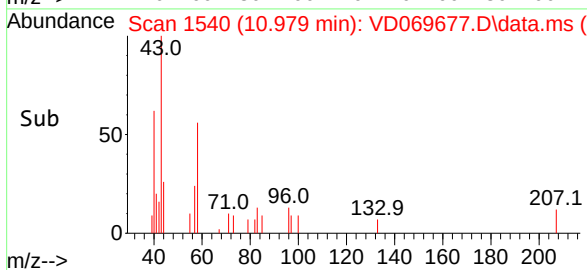
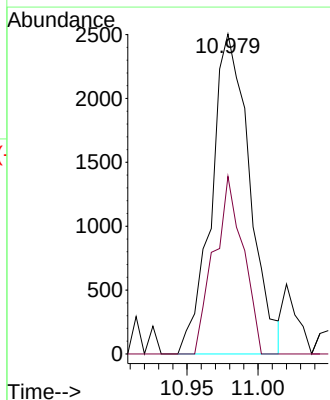
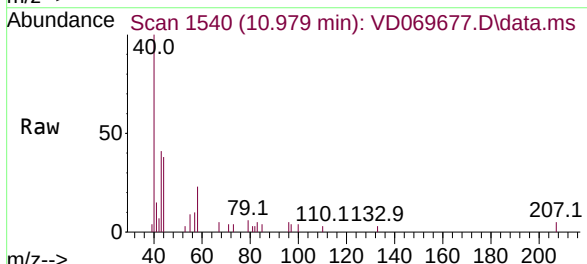
Instrument :
MSVOA_D
ClientSampleId :

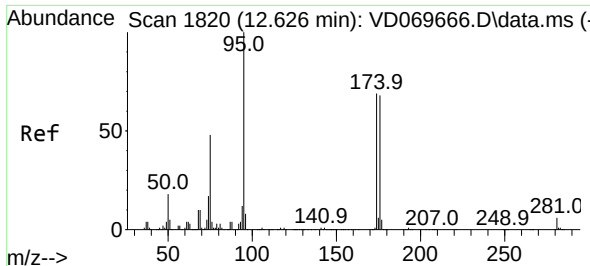
Tgt Ion: 69 Resp: 902
Ion Ratio Lower Upper
69 100
41 53.5 49.5 74.3
39 37.5 22.5 33.7#



#59
2-Hexanone
Concen: 3.398 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD069677.D
Acq: 13 Jul 2021 18:30

Tgt Ion: 43 Resp: 4702
Ion Ratio Lower Upper
43 100
58 42.0 29.1 87.4

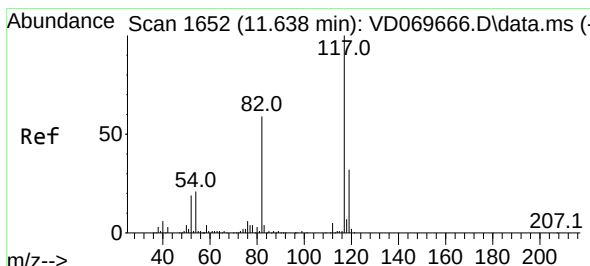
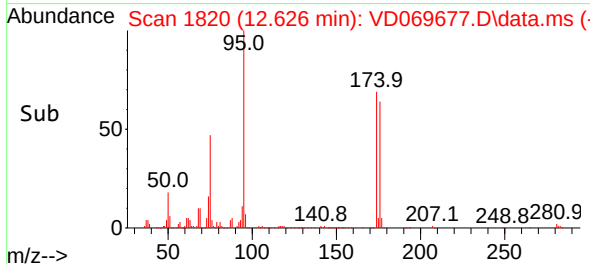
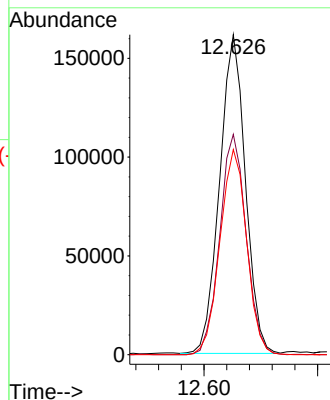
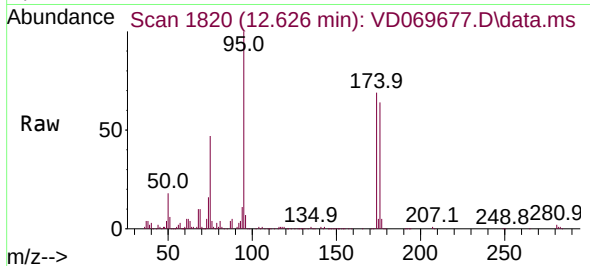




#62
4-Bromofluorobenzene
Concen: 52.172 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069677.D
Acq: 13 Jul 2021 18:30

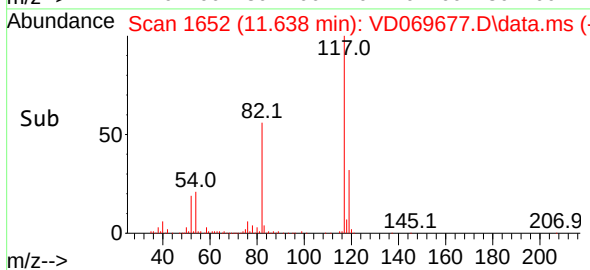
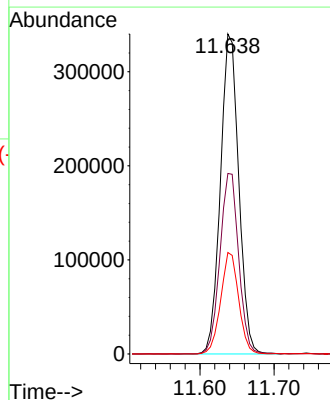
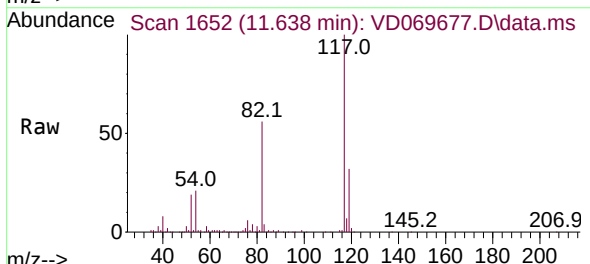
Instrument :
MSVOA_D
ClientSampleId :

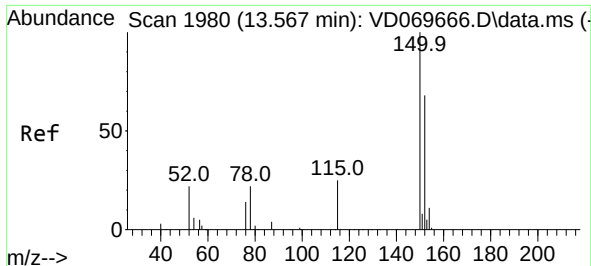
Tgt Ion:	95	Resp:	254418
Ion	Ratio	Lower	Upper
95	100		
174	70.7	0.0	140.0
176	66.5	0.0	136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069677.D
Acq: 13 Jul 2021 18:30

Tgt Ion:	117	Resp:	584130
Ion	Ratio	Lower	Upper
117	100		
82	56.4	47.4	71.2
119	31.7	25.5	38.3

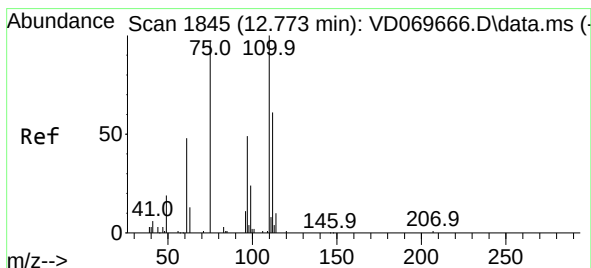
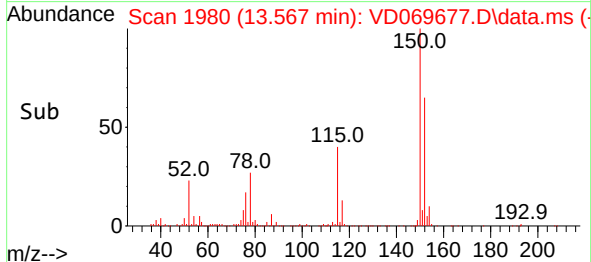
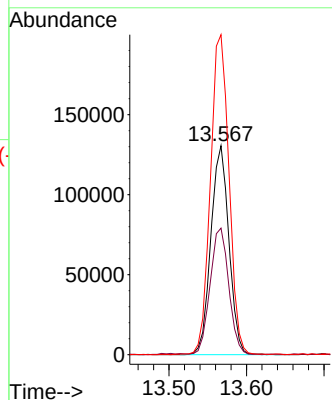
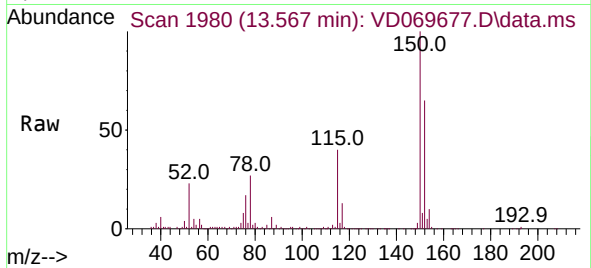




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069677.D
Acq: 13 Jul 2021 18:30

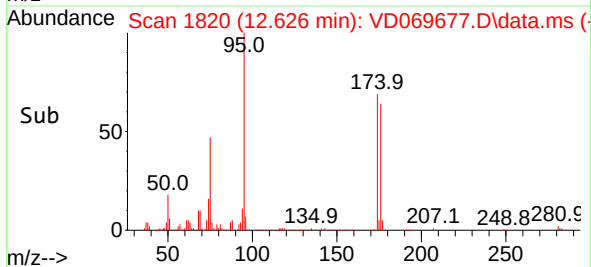
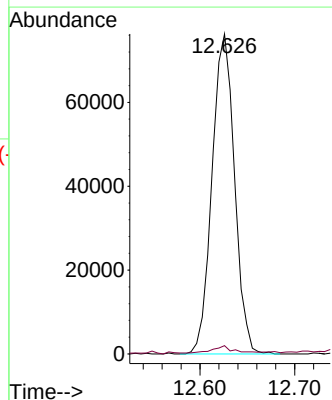
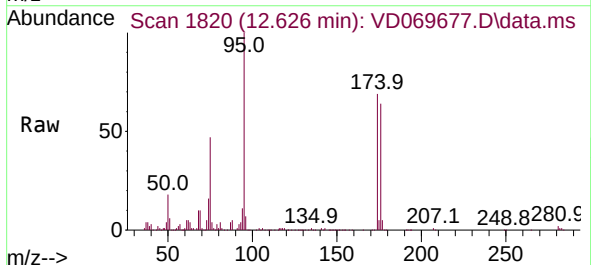
Instrument :
MSVOA_D
ClientSampleId :

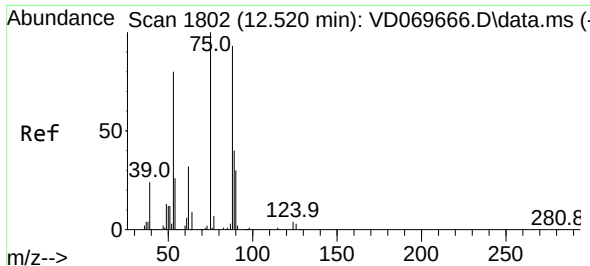
Tgt Ion:152 Resp: 210947
Ion Ratio Lower Upper
152 100
115 62.8 31.7 95.1
150 157.7 0.0 350.4



#76
1,2,3-Trichloropropane
Concen: 61.384 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069677.D
Acq: 13 Jul 2021 18:30

Tgt Ion: 75 Resp: 125793
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#

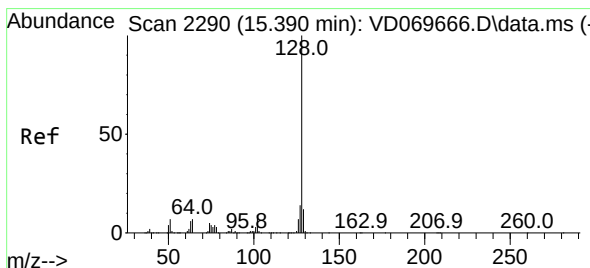
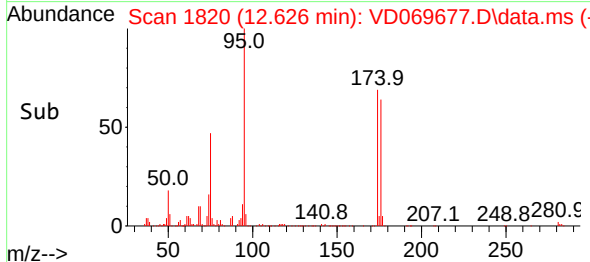
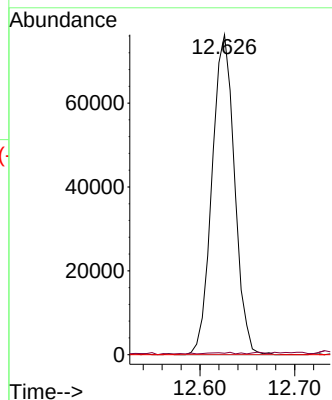
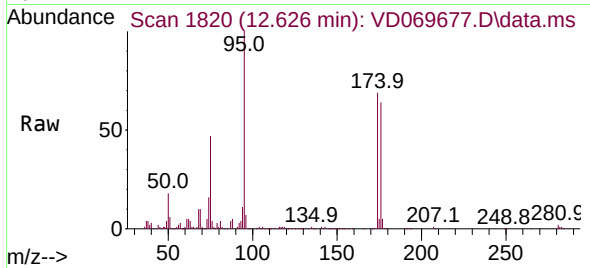




#81
trans-1,4-Dichloro-2-butene
Concen: 164.966 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069677.D
Acq: 13 Jul 2021 18:30

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 125793
Ion Ratio Lower Upper
75 100
53 0.3 70.6 106.0#
89 0.0 35.1 52.7#



#95
Naphthalene
Concen: 2.706 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.006 min
Lab File: VD069677.D
Acq: 13 Jul 2021 18:30

Tgt Ion:128 Resp: 3495
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 57.1 8.8 13.2#

