

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD077991.D
 Acq On : 20 Dec 2023 13:14
 Operator : RP/MD
 Sample : 05827-04
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 05:23:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

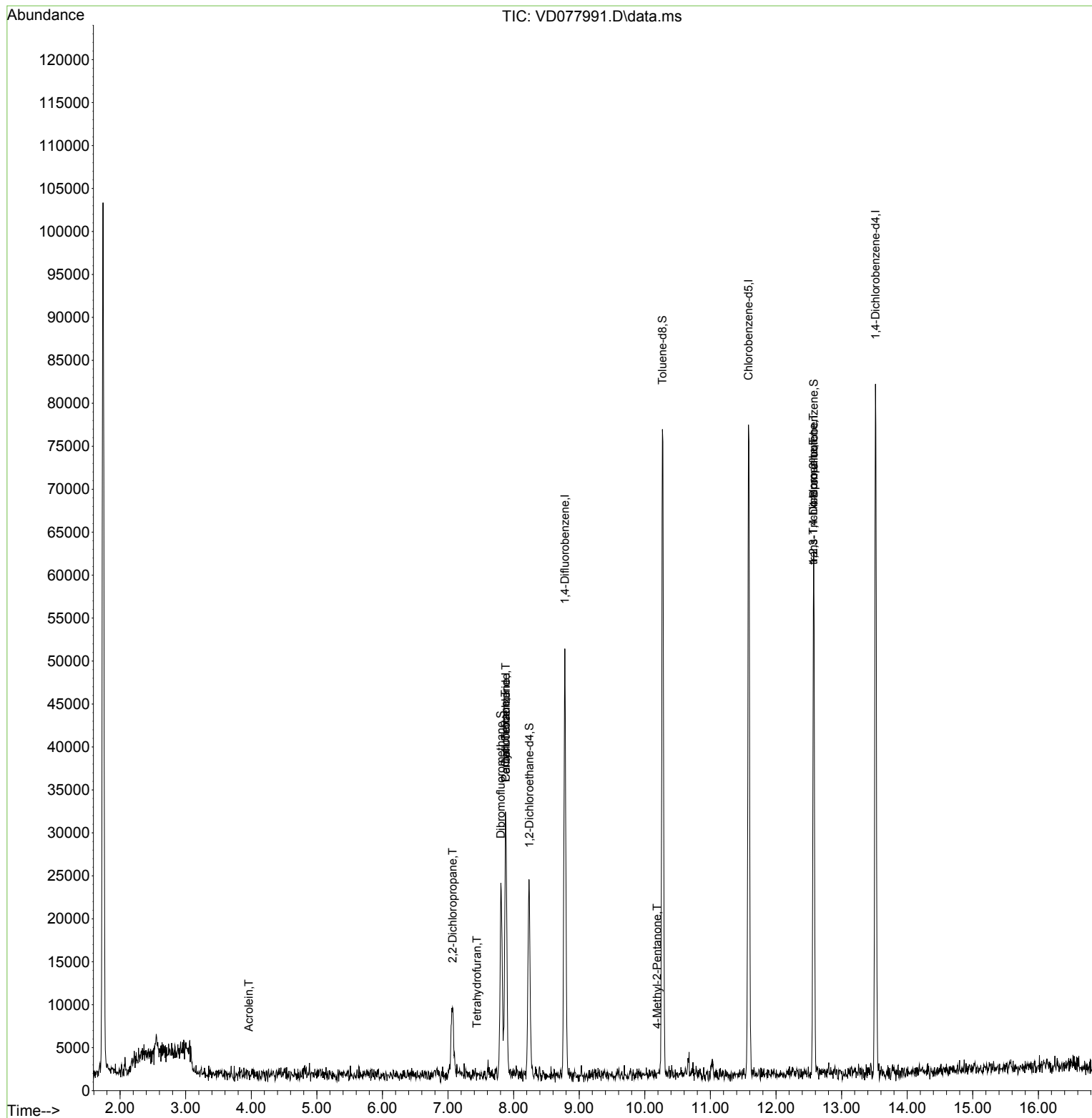
Internal Standards						
1) Pentafluorobenzene	7.881	168	23142	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	42947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	45199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	21512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.240	65	16949	62.154	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery	= 124.300%		
35) Dibromofluoromethane	7.805	113	15667	52.079	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 104.160%		
50) Toluene-d8	10.269	98	54990	45.640	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery	= 91.280%		
62) 4-Bromofluorobenzene	12.575	95	18465	51.260	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery	= 102.520%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.922	59	73	Below Cal	#	73
13) Acrolein	3.964	56	114	3.952	ug/l #	15
16) Acetone	4.022	43	475	Below Cal	#	32
20) Methylene Chloride	4.805	84	233	Below Cal	#	54
25) 2-Butanone	7.075	43	474	Below Cal	#	37
26) 2,2-Dichloropropane	7.069	77	642	1.412	ug/l #	49
29) Tetrahydrofuran	7.440	42	57	1.313	ug/l #	23
31) Cyclohexane	7.875	56	486	1.002	ug/l #	65
38) Carbon Tetrachloride	7.881	117	2353	4.905	ug/l #	11
51) 4-Methyl-2-Pentanone	10.187	43	182	1.069	ug/l #	28
76) 1,2,3-Trichloropropane	12.569	75	10151	54.332	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	10151	110.080	ug/l #	17

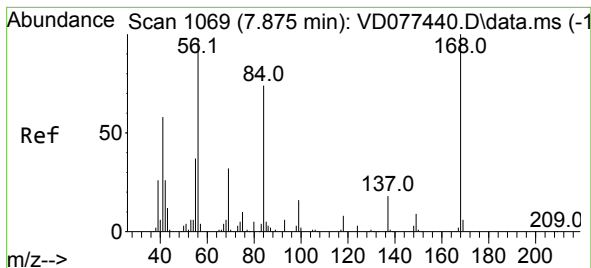
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077991.D

Acq: 20 Dec 2023 13:14

Instrument :

MSVOA_D

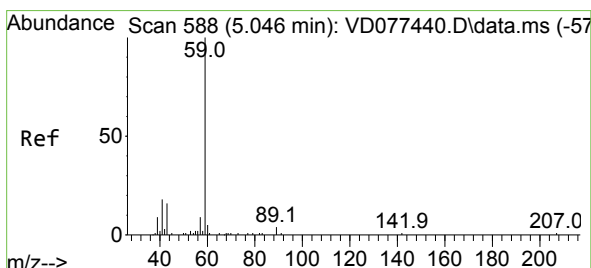
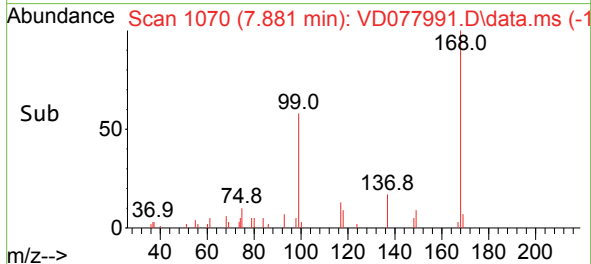
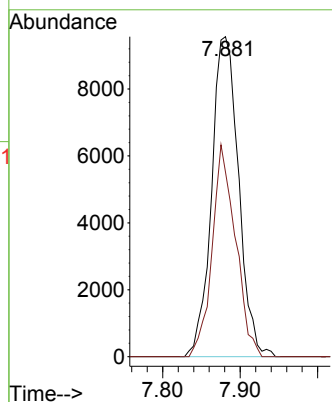
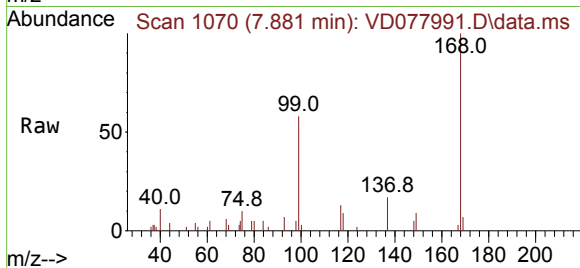
ClientSampleId :

Tgt Ion:168 Resp: 23142

Ion Ratio Lower Upper

168 100

99 57.7 36.7 55.1#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.922 min Scan# 567

Delta R.T. -0.124 min

Lab File: VD077991.D

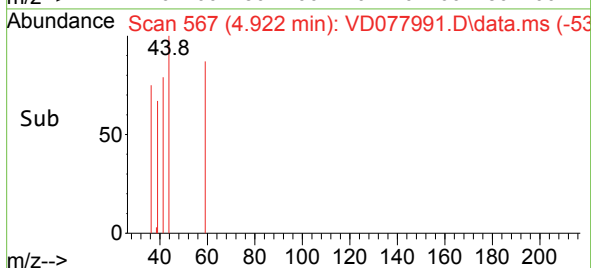
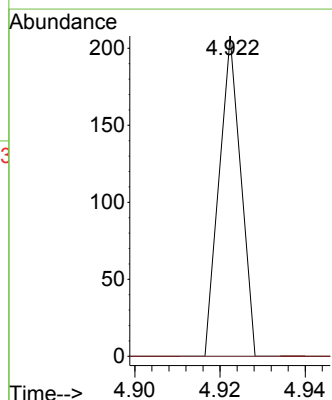
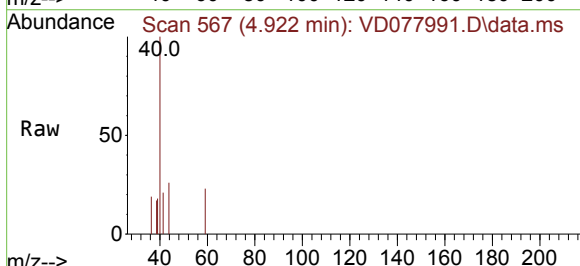
Acq: 20 Dec 2023 13:14

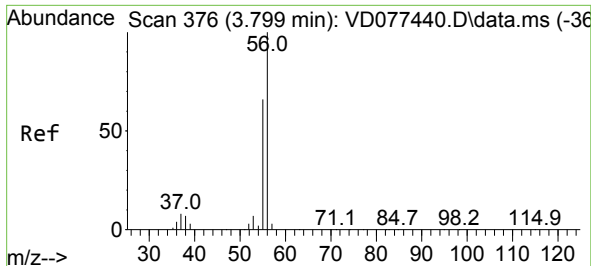
Tgt Ion: 59 Resp: 73

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

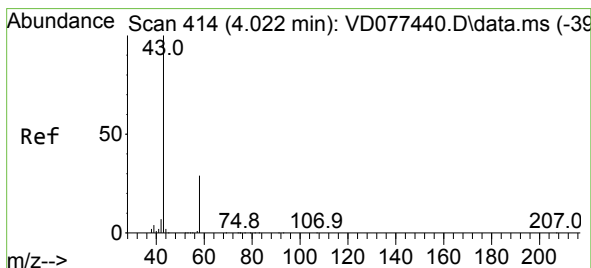
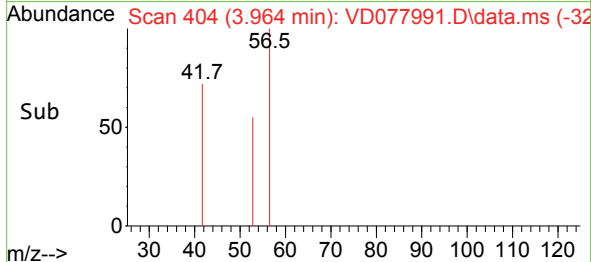
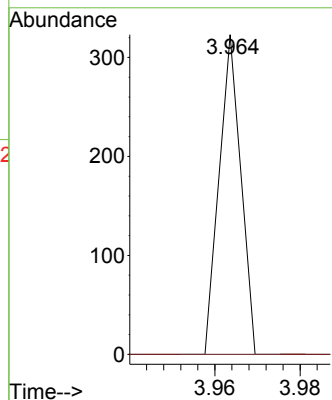
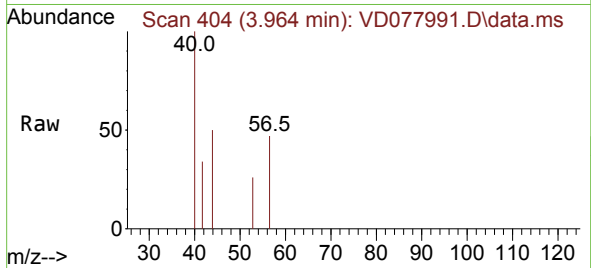




#13
Acrolein
Concen: 3.952 ug/l
RT: 3.964 min Scan# 404
Delta R.T. 0.165 min
Lab File: VD077991.D
Acq: 20 Dec 2023 13:14

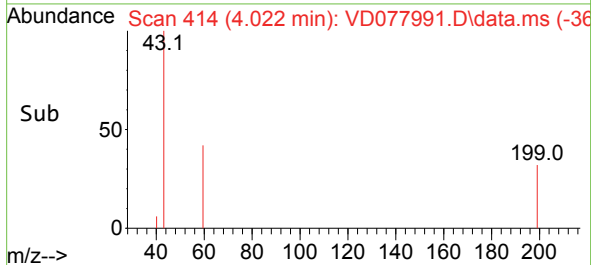
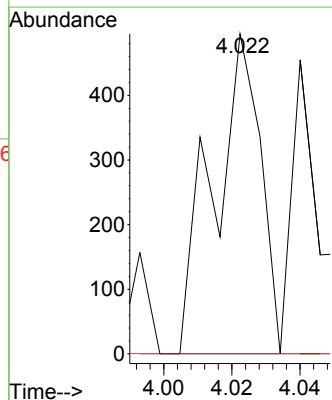
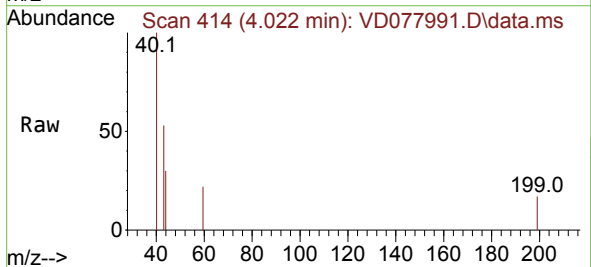
Instrument :
MSVOA_D
ClientSampleId :

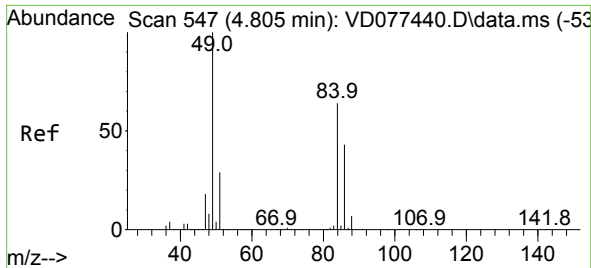
Tgt Ion: 56 Resp: 114
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#



#16
Acetone
Concen: Below Cal
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077991.D
Acq: 20 Dec 2023 13:14

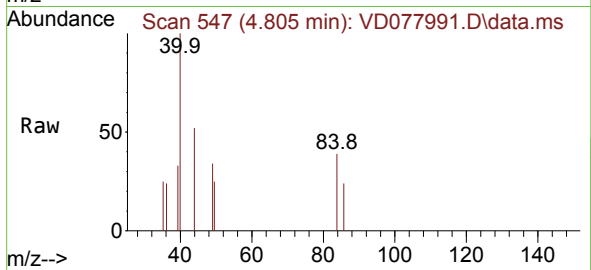
Tgt Ion: 43 Resp: 475
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



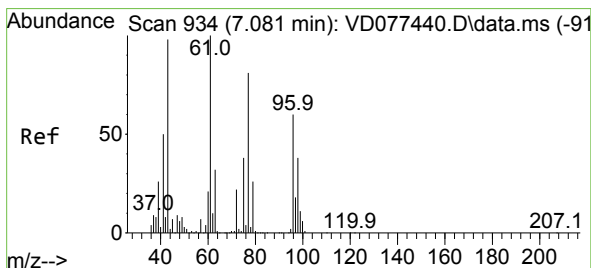
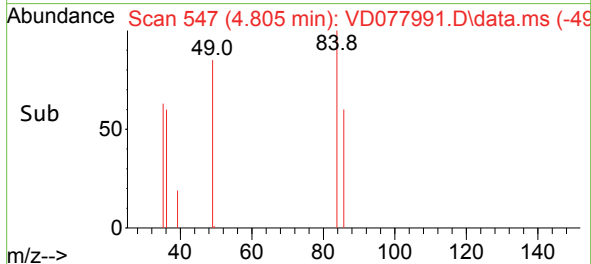
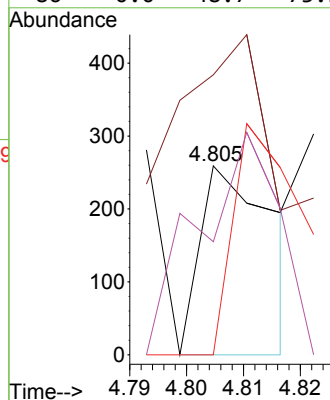


#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 54
Delta R.T. -0.000 min
Lab File: VD077991.D
Acq: 20 Dec 2023 13:14

Instrument :
MSVOA_D
ClientSampleId :

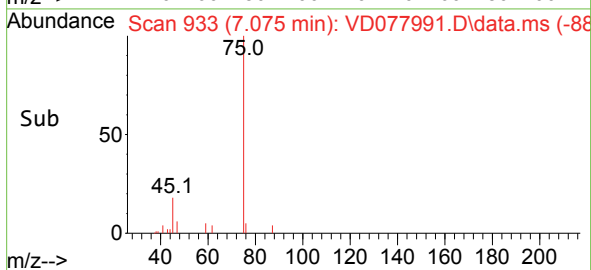
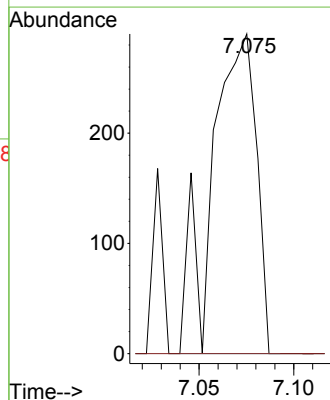
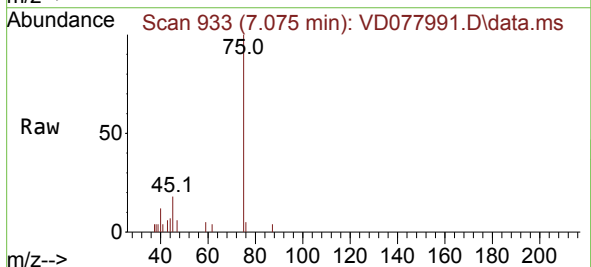


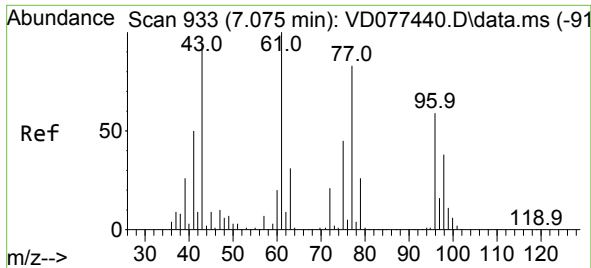
Tgt Ion: 84 Resp: 233
Ion Ratio Lower Upper
84 100
49 71.8 71.4 107.2
51 0.0 24.5 36.7#
86 0.0 48.7 73.1#



#25
2-Butanone
Concen: Below Cal
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD077991.D
Acq: 20 Dec 2023 13:14

Tgt Ion: 43 Resp: 474
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#

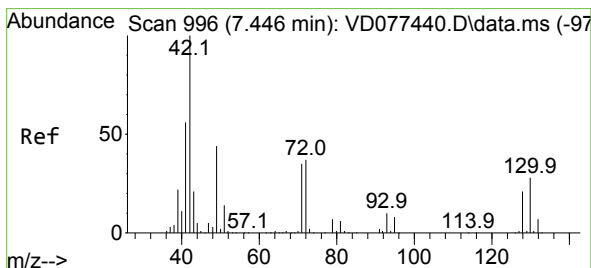
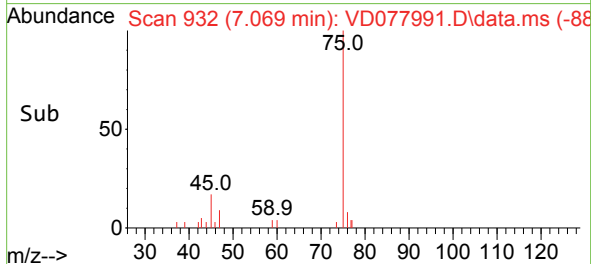
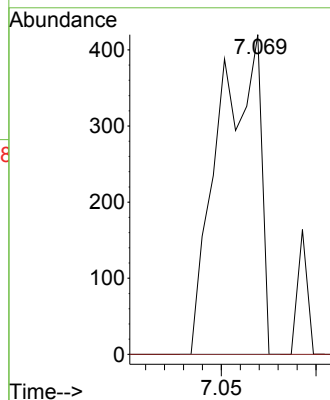
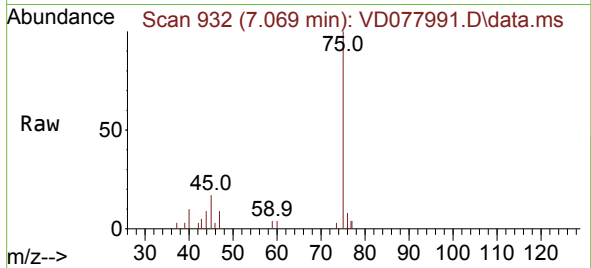




#26
2,2-Dichloropropane
Concen: 1.412 ug/l
RT: 7.069 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD077991.D
Acq: 20 Dec 2023 13:14

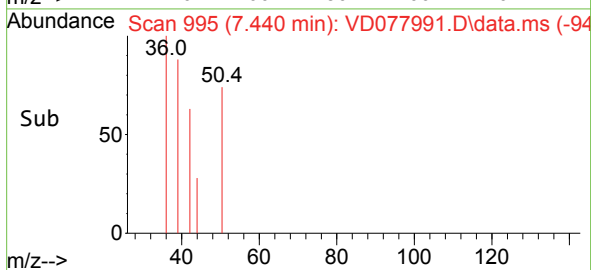
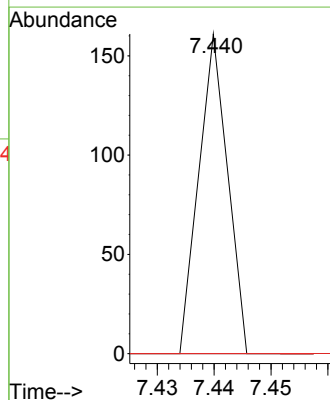
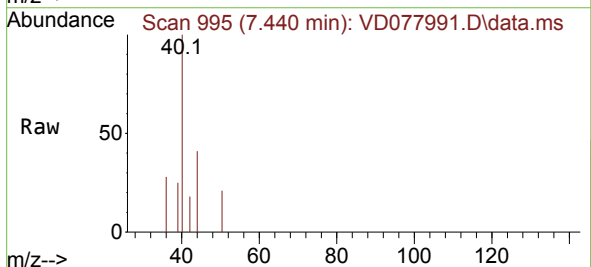
Instrument :
MSVOA_D
ClientSampleId :

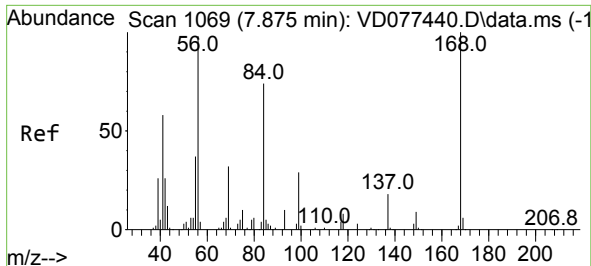
Tgt Ion: 77 Resp: 642
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#



#29
Tetrahydrofuran
Concen: 1.313 ug/l
RT: 7.440 min Scan# 995
Delta R.T. -0.006 min
Lab File: VD077991.D
Acq: 20 Dec 2023 13:14

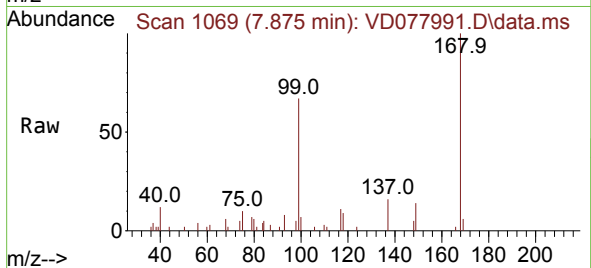
Tgt Ion: 42 Resp: 57
Ion Ratio Lower Upper
42 100
72 0.0 46.5 69.7#
71 0.0 44.5 66.7#



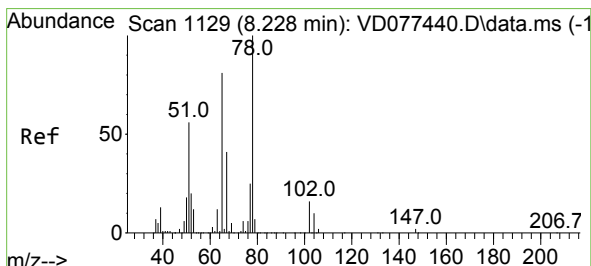
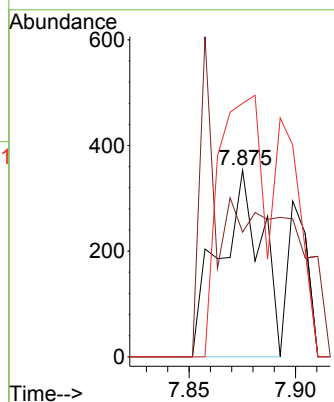
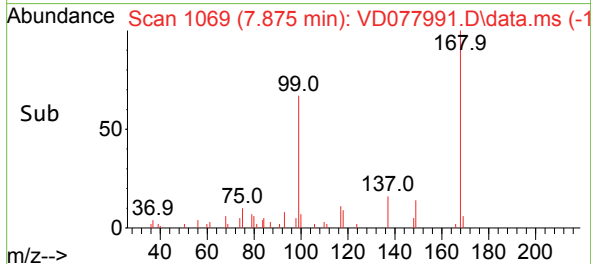


#31
Cyclohexane
Concen: 1.002 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077991.D
Acq: 20 Dec 2023 13:14

Instrument :
MSVOA_D
ClientSampleId :

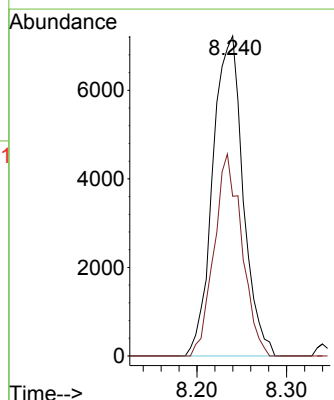
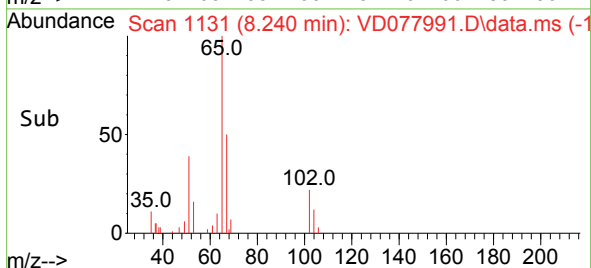
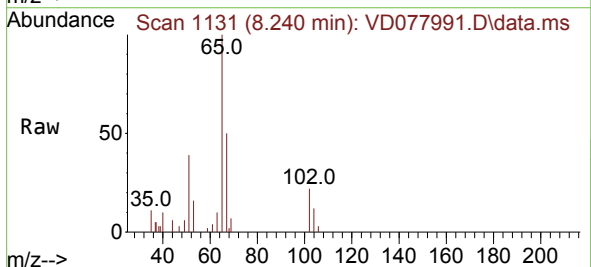


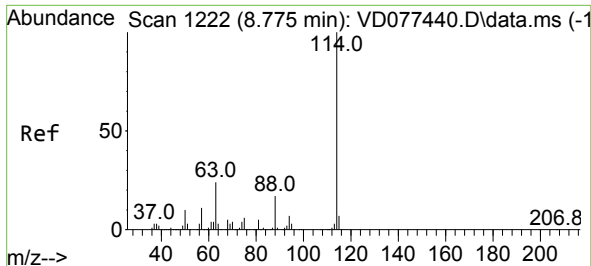
Tgt Ion: 56 Resp: 486
Ion Ratio Lower Upper
56 100
69 66.9 28.6 43.0#
84 136.0 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 62.154 ug/l
RT: 8.240 min Scan# 1131
Delta R.T. 0.012 min
Lab File: VD077991.D
Acq: 20 Dec 2023 13:14

Tgt Ion: 65 Resp: 16949
Ion Ratio Lower Upper
65 100
67 57.8 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077991.D

Acq: 20 Dec 2023 13:14

Instrument :

MSVOA_D

ClientSampleId :

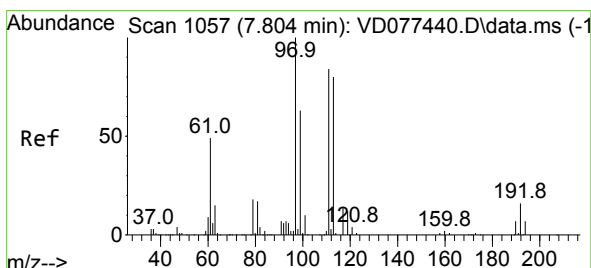
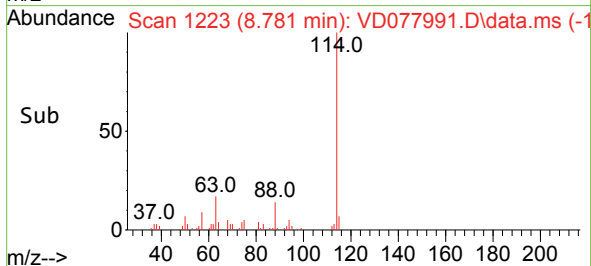
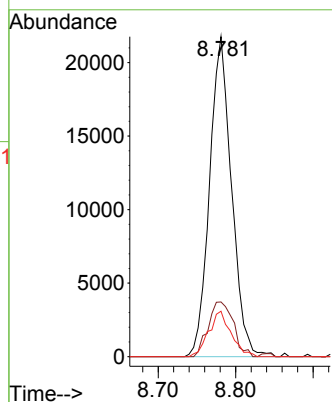
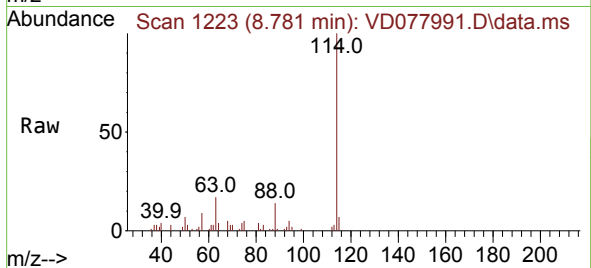
Tgt Ion:114 Resp: 42947

Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.4

88 14.2 0.0 26.2



#35

Dibromofluoromethane

Concen: 52.079 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD077991.D

Acq: 20 Dec 2023 13:14

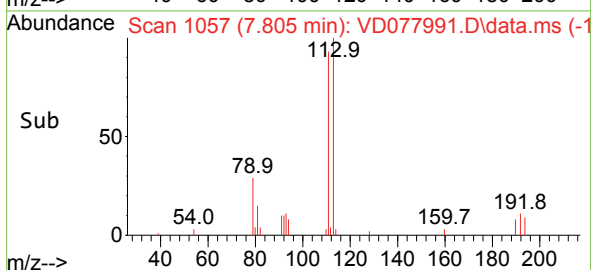
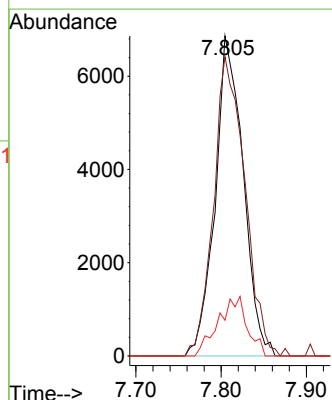
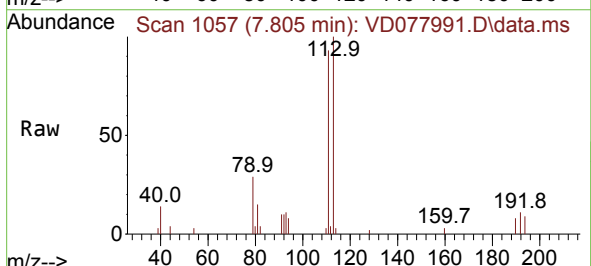
Tgt Ion:113 Resp: 15667

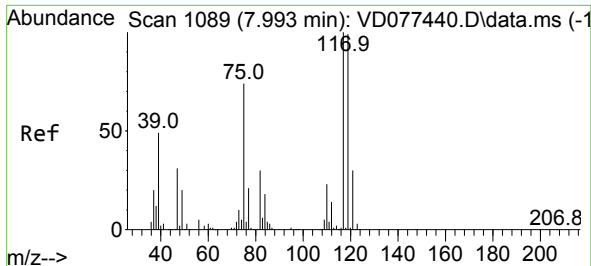
Ion Ratio Lower Upper

113 100

111 104.2 84.7 127.1

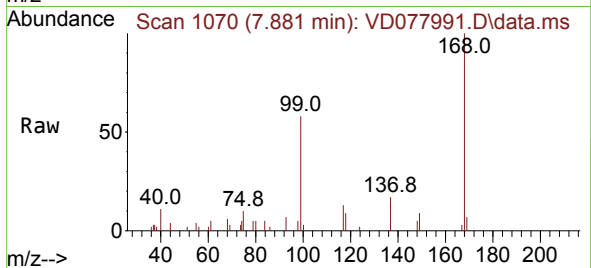
192 19.3 16.8 25.2



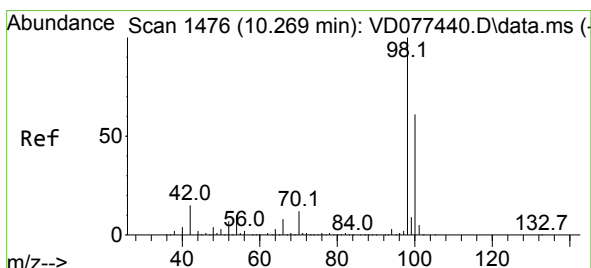
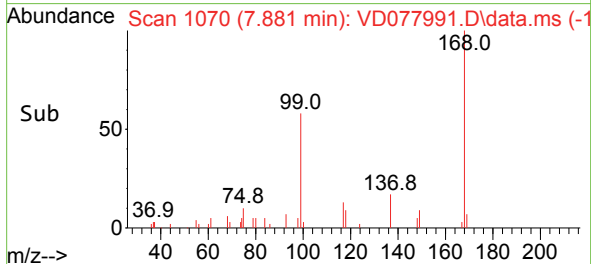
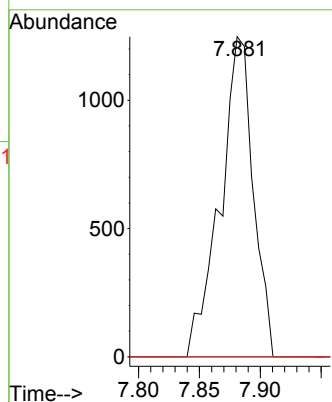


#38
Carbon Tetrachloride
Concen: 4.905 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD077991.D
Acq: 20 Dec 2023 13:14

Instrument :
MSVOA_D
ClientSampleId :

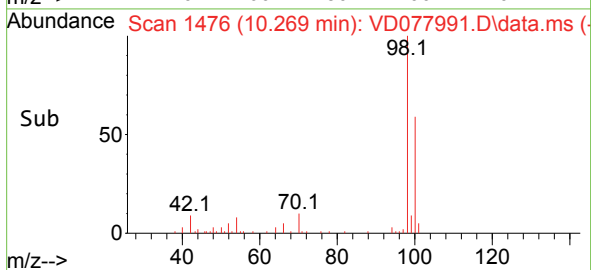
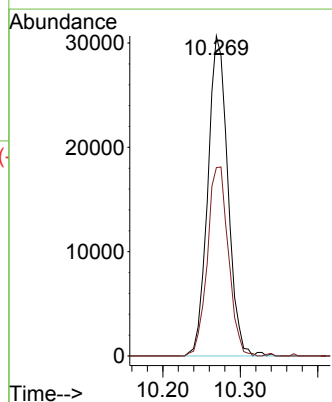
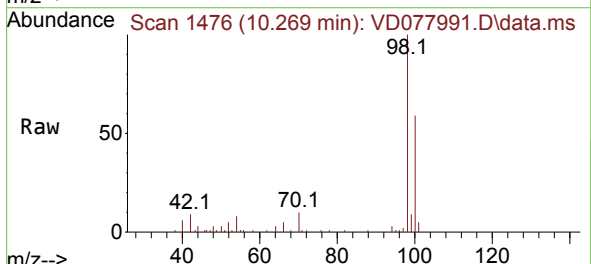


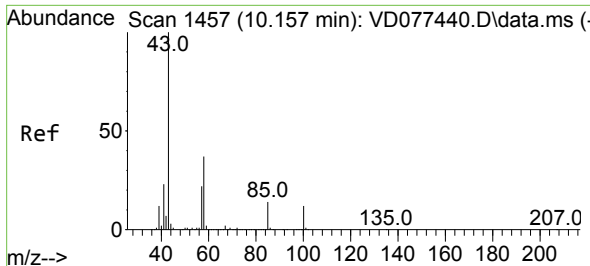
Tgt Ion:117 Resp: 2353
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 45.640 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077991.D
Acq: 20 Dec 2023 13:14

Tgt Ion: 98 Resp: 54990
Ion Ratio Lower Upper
98 100
100 62.0 50.3 75.5

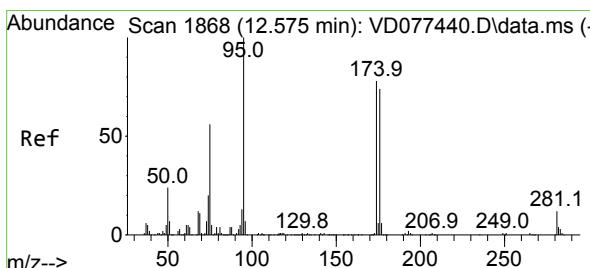
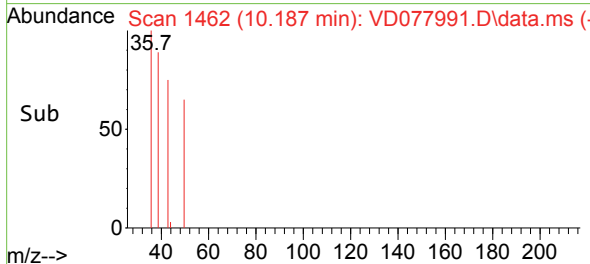
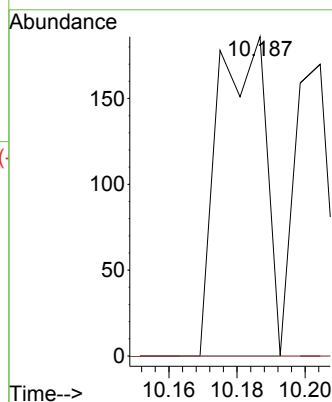
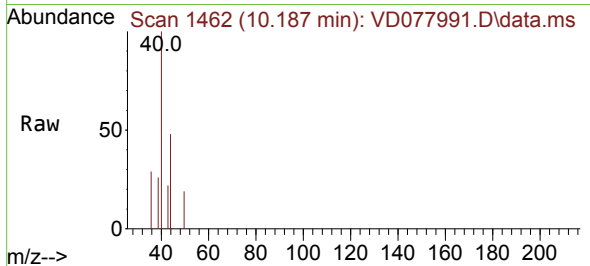




#51
4-Methyl-2-Pentanone
Concen: 1.069 ug/l
RT: 10.187 min Scan# 1457
Delta R.T. 0.030 min
Lab File: VD077991.D
Acq: 20 Dec 2023 13:14

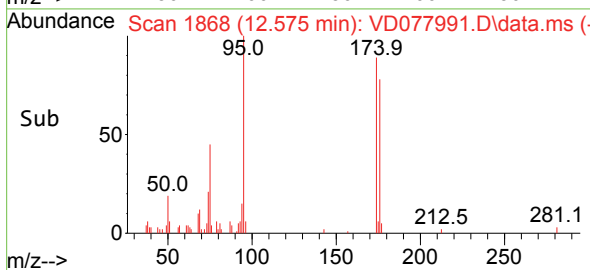
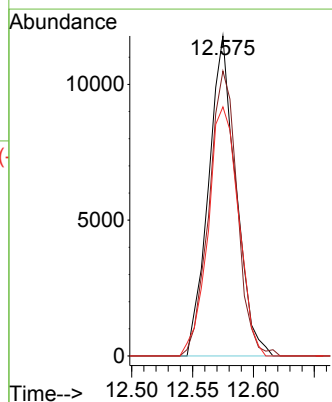
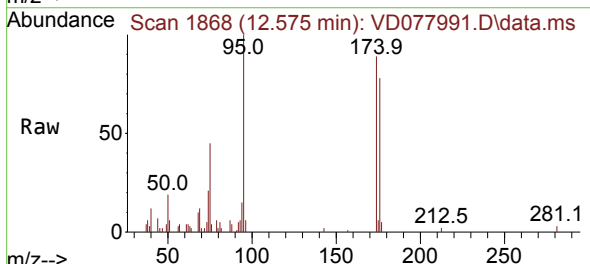
Instrument :
MSVOA_D
ClientSampleId :

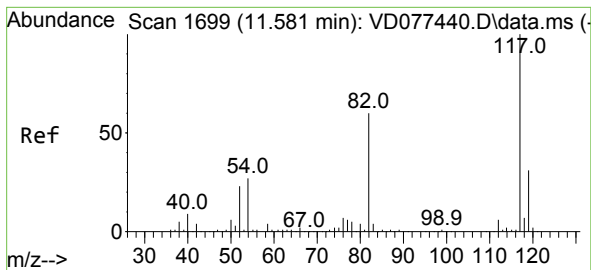
Tgt Ion: 43 Resp: 182
Ion Ratio Lower Upper
43 100
58 0.0 38.9 58.3#



#62
4-Bromofluorobenzene
Concen: 51.260 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077991.D
Acq: 20 Dec 2023 13:14

Tgt Ion: 95 Resp: 18465
Ion Ratio Lower Upper
95 100
174 91.8 0.0 201.8
176 86.1 0.0 191.8

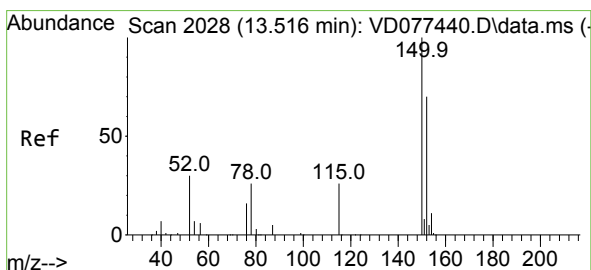
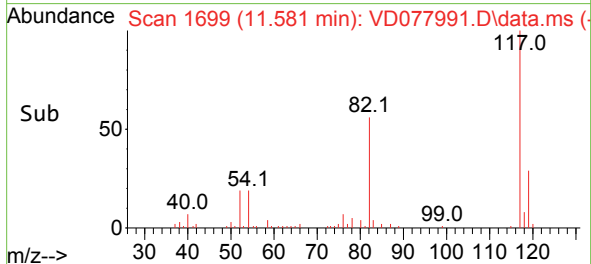
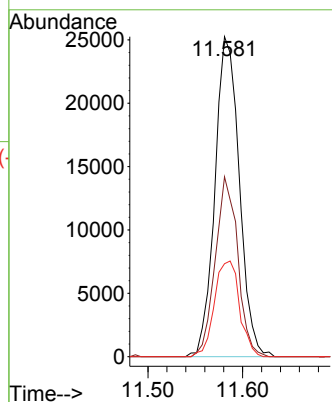
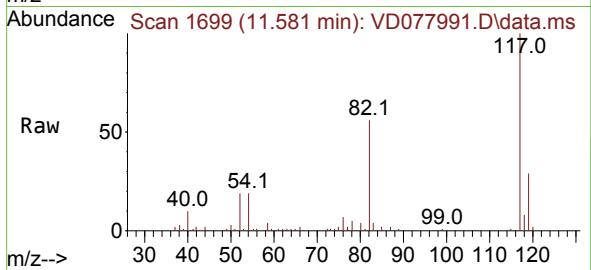




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077991.D
Acq: 20 Dec 2023 13:14

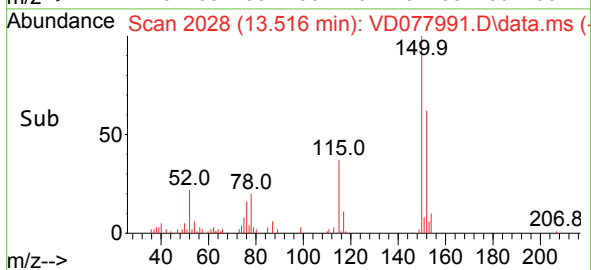
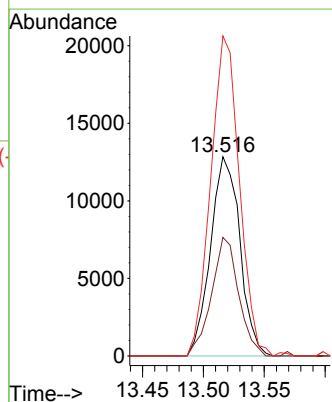
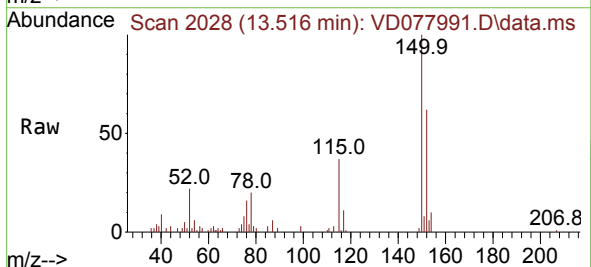
Instrument :
MSVOA_D
ClientSampleId :

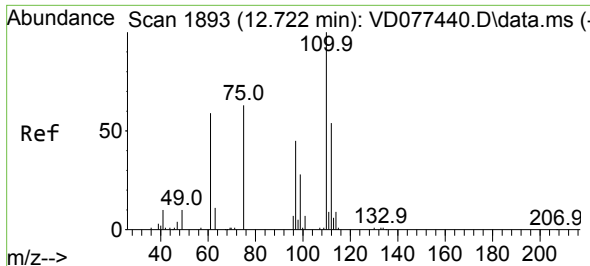
Tgt Ion:117 Resp: 45199
Ion Ratio Lower Upper
117 100
82 56.2 38.3 57.5
119 29.1 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD077991.D
Acq: 20 Dec 2023 13:14

Tgt Ion:152 Resp: 21512
Ion Ratio Lower Upper
152 100
115 55.2 27.1 81.3
150 157.4 0.0 353.6

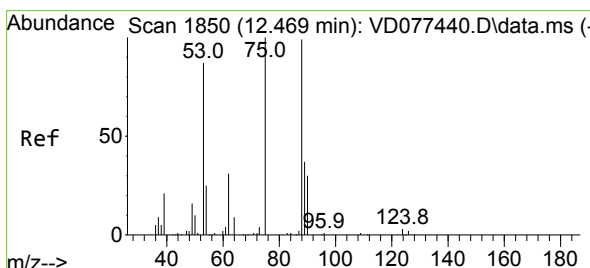
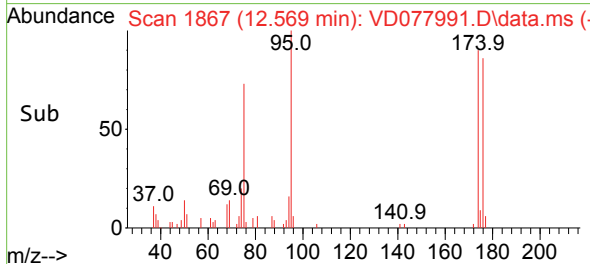
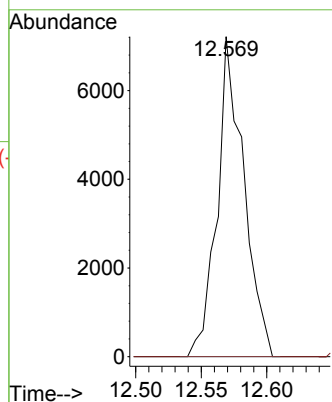
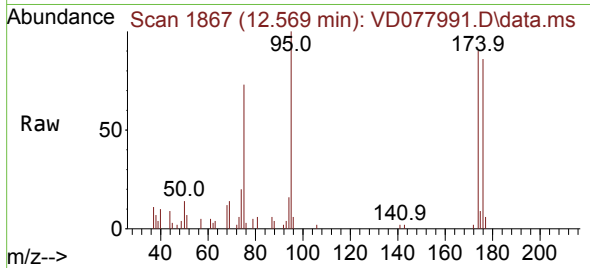




#76
1,2,3-Trichloropropane
Concen: 54.332 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD077991.D
Acq: 20 Dec 2023 13:14

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 10151
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 110.080 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD077991.D
Acq: 20 Dec 2023 13:14

Tgt Ion: 75 Resp: 10151
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

