

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091823\
 Data File : VD077132.D
 Acq On : 18 Sep 2023 16:21
 Operator : JC/SY
 Sample : 04436-11
 Misc : 5.26G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 19 04:57:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

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

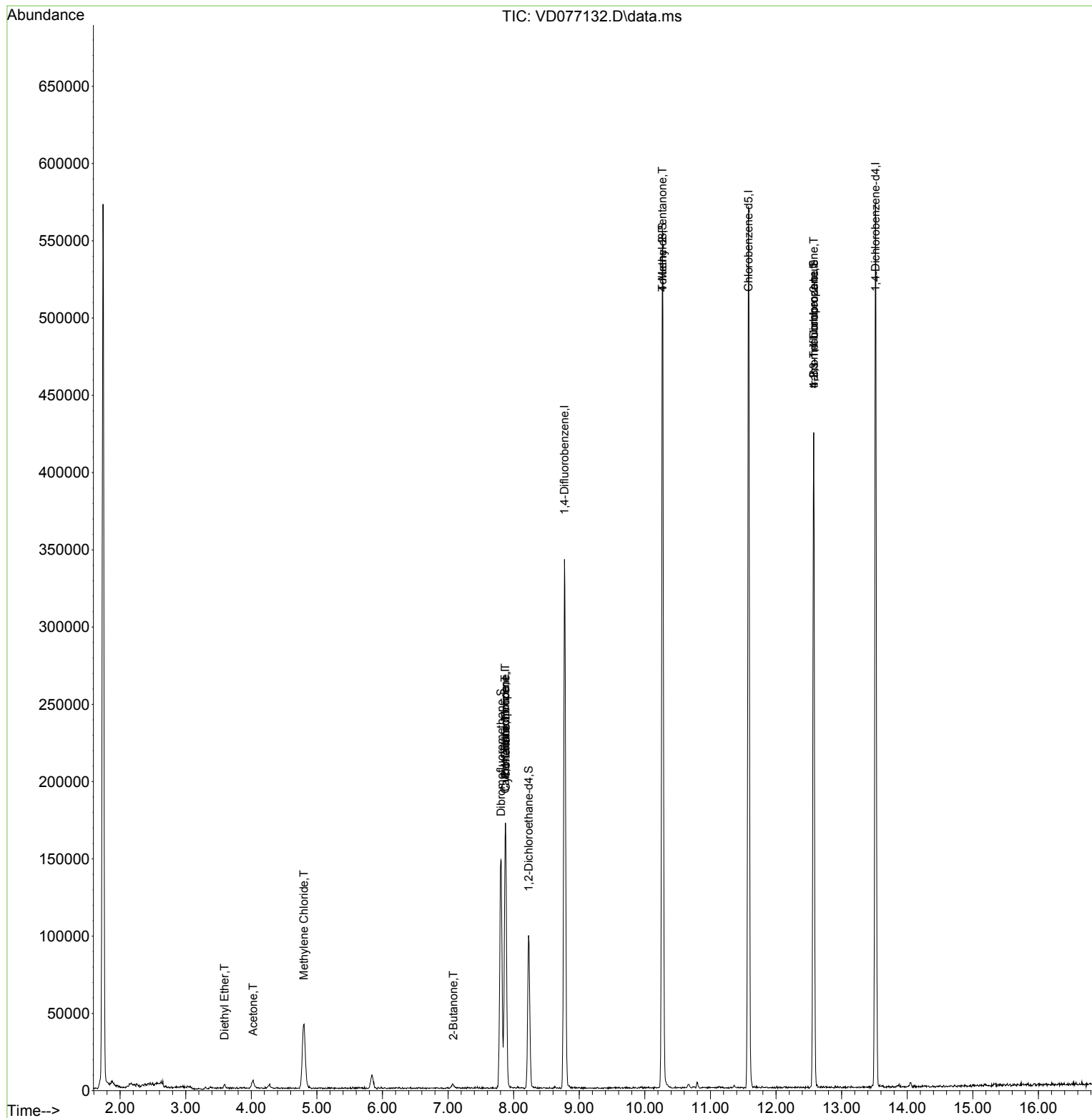
Internal Standards						
1) Pentafluorobenzene	7.875	168	140842	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	318639	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	344181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	159112	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	77152	54.279	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.560%	
35) Dibromofluoromethane	7.810	113	112012	50.610	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.220%	
50) Toluene-d8	10.269	98	391802	49.735	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.460%	
62) 4-Bromofluorobenzene	12.575	95	128070	52.451	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.900%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.593	74	896	1.067	ug/l	81
13) Acrolein	3.669	56	58	Below Cal	#	15
16) Acetone	4.028	43	7854	24.176	ug/l	99
20) Methylene Chloride	4.805	84	35970	12.360	ug/l	89
25) 2-Butanone	7.081	43	548	1.282	ug/l #	80
31) Cyclohexane	7.881	56	2573	1.035	ug/l #	29
36) 1,1-Dichloropropene	7.875	75	10565	3.170	ug/l #	47
38) Carbon Tetrachloride	7.869	117	13632	4.161	ug/l #	14
51) 4-Methyl-2-Pentanone	10.269	43	1428	1.160	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	67125	52.888	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	67125	100.106	ug/l #	17

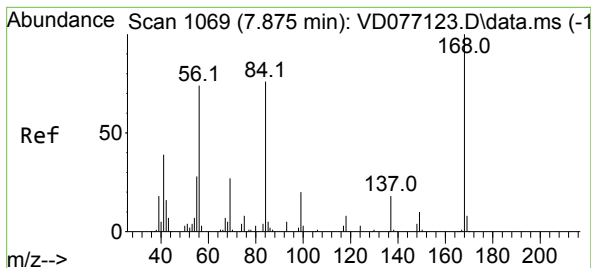
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
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Quant Time: Sep 19 04:57:28 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 19 04:46:37 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD077132.D

Acq: 18 Sep 2023 16:21

Instrument :

MSVOA_D

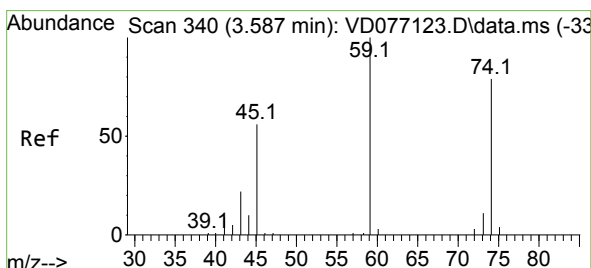
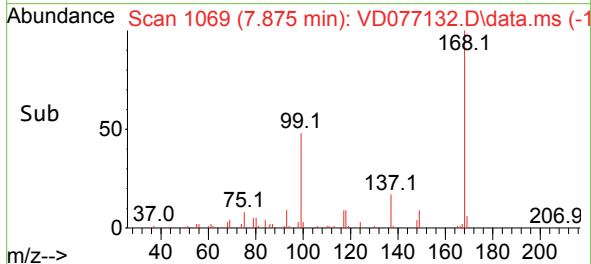
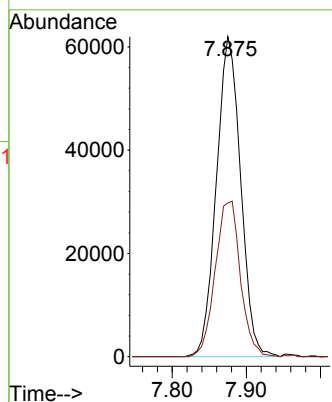
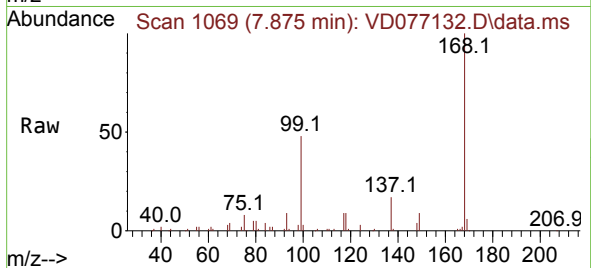
ClientSampleId :

Tgt Ion:168 Resp: 140842

Ion Ratio Lower Upper

168 100

99 48.0 36.7 55.1



#8

Diethyl Ether

Concen: 1.067 ug/l

RT: 3.593 min Scan# 341

Delta R.T. 0.006 min

Lab File: VD077132.D

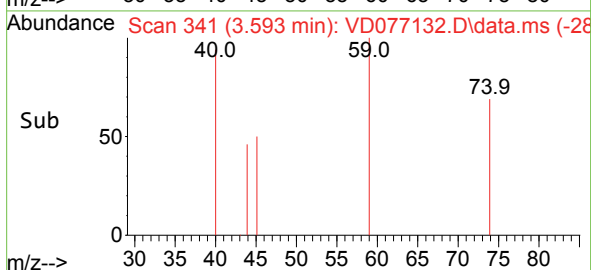
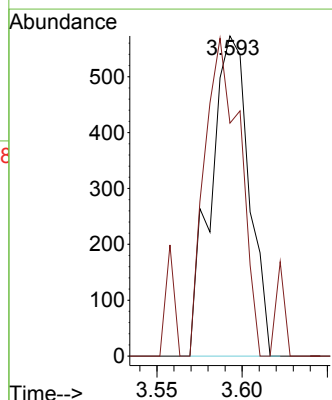
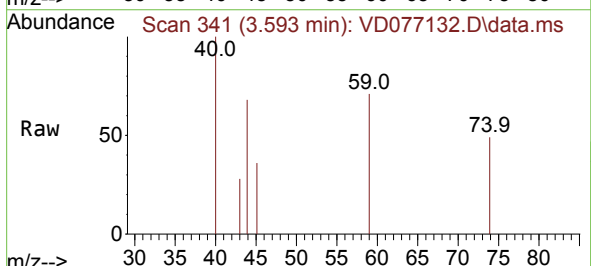
Acq: 18 Sep 2023 16:21

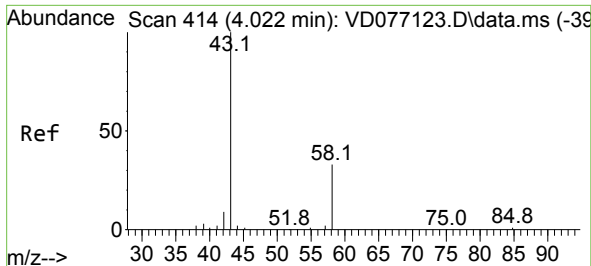
Tgt Ion: 74 Resp: 896

Ion Ratio Lower Upper

74 100

45 91.3 37.5 112.7

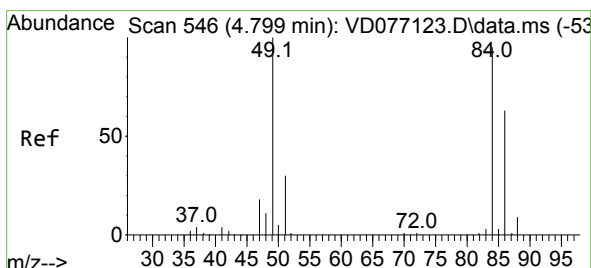
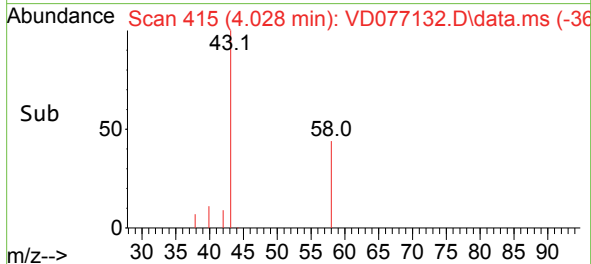
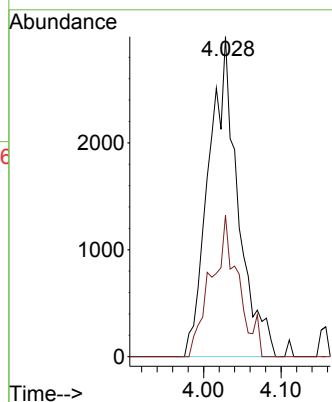
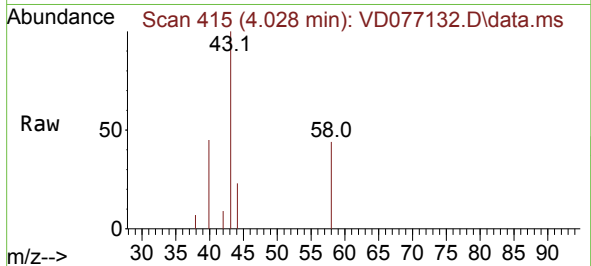




#16
Acetone
Concen: 24.176 ug/l
RT: 4.028 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD077132.D
Acq: 18 Sep 2023 16:21

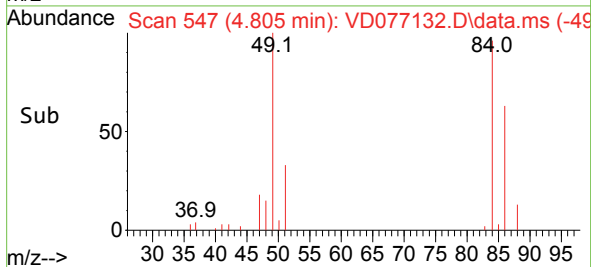
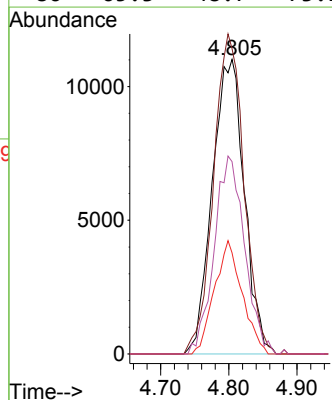
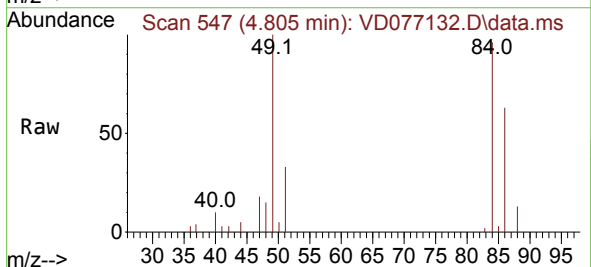
Instrument :
MSVOA_D
ClientSampleId :

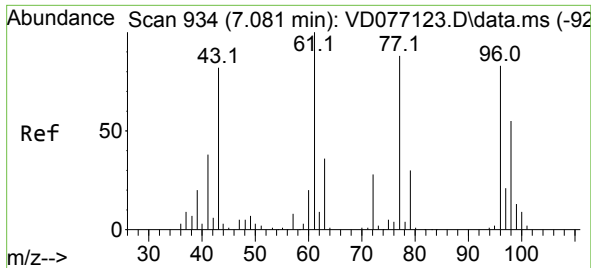
Tgt Ion: 43 Resp: 7854
Ion Ratio Lower Upper
43 100
58 44.2 34.7 52.1



#20
Methylene Chloride
Concen: 12.360 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD077132.D
Acq: 18 Sep 2023 16:21

Tgt Ion: 84 Resp: 35970
Ion Ratio Lower Upper
84 100
49 103.7 71.4 107.2
51 34.3 24.5 36.7
86 65.3 48.7 73.1

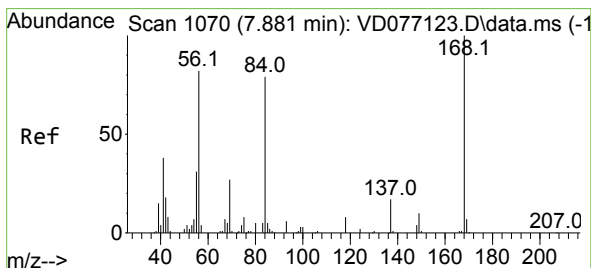
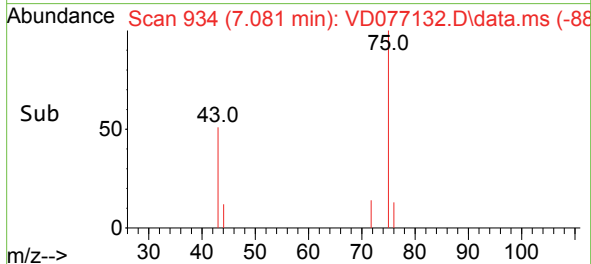
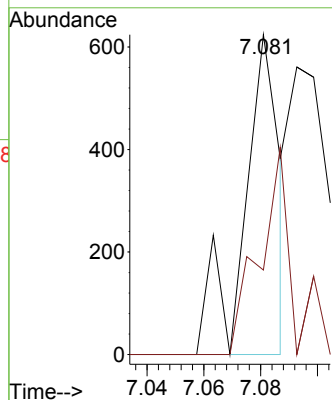
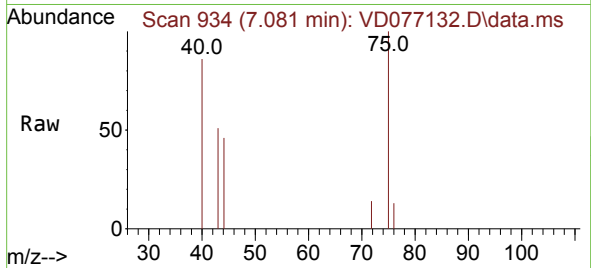




#25
2-Butanone
Concen: 1.282 ug/l
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD077132.D
Acq: 18 Sep 2023 16:21

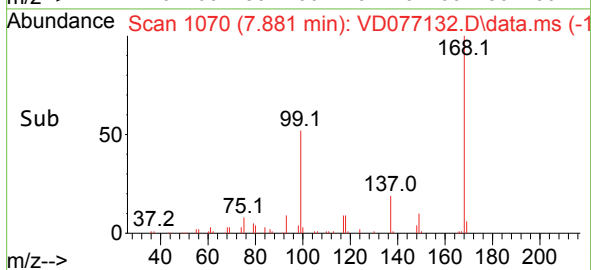
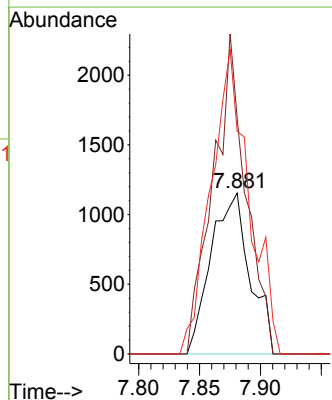
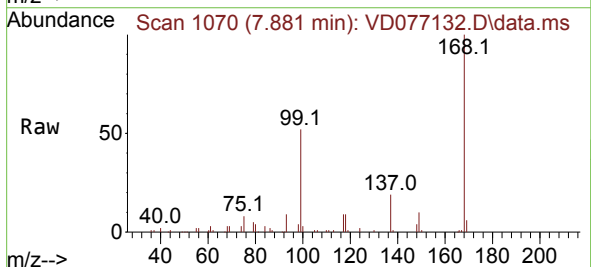
Instrument :
MSVOA_D
ClientSampleId :

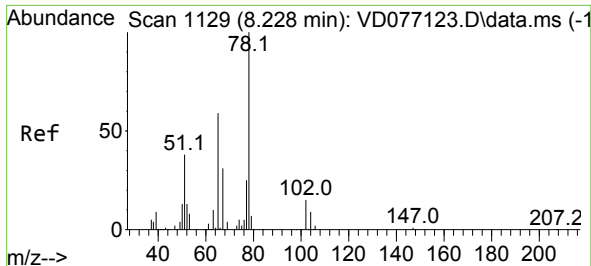
Tgt Ion: 43 Resp: 548
Ion Ratio Lower Upper
43 100
72 26.4 30.7 46.1#



#31
Cyclohexane
Concen: 1.035 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD077132.D
Acq: 18 Sep 2023 16:21

Tgt Ion: 56 Resp: 2573
Ion Ratio Lower Upper
56 100
69 146.7 28.6 43.0#
84 138.5 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 54.279 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077132.D

Acq: 18 Sep 2023 16:21

Instrument :

MSVOA_D

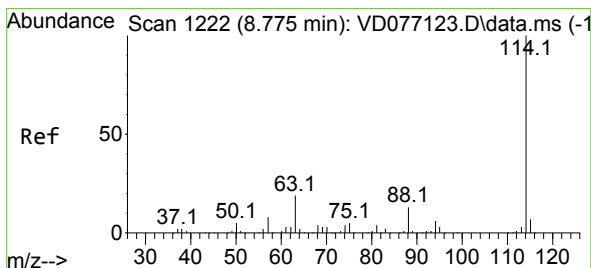
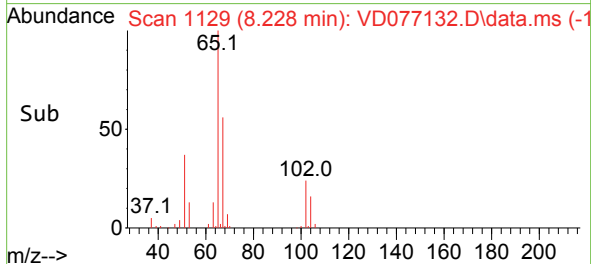
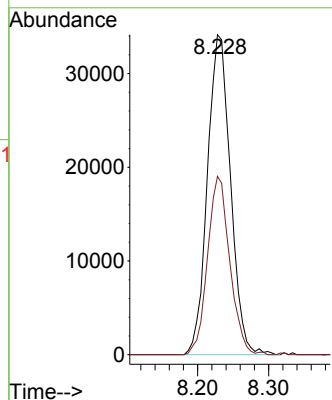
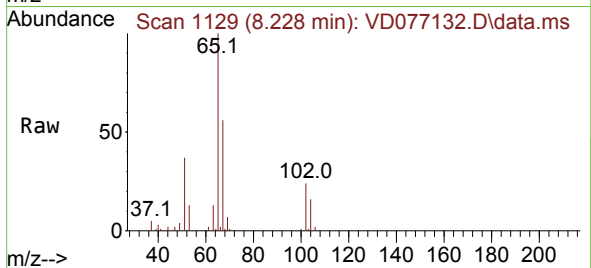
ClientSampleId :

Tgt Ion: 65 Resp: 77152

Ion Ratio Lower Upper

65 100

67 53.7 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD077132.D

Acq: 18 Sep 2023 16:21

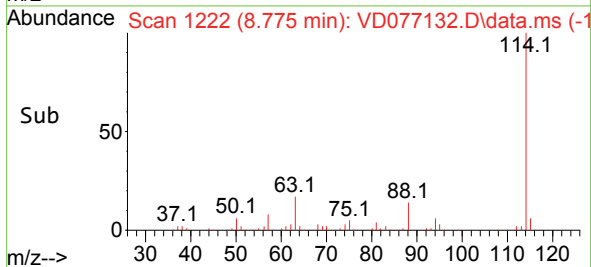
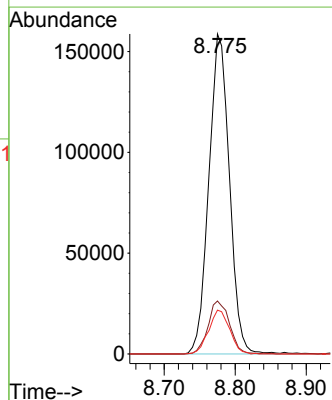
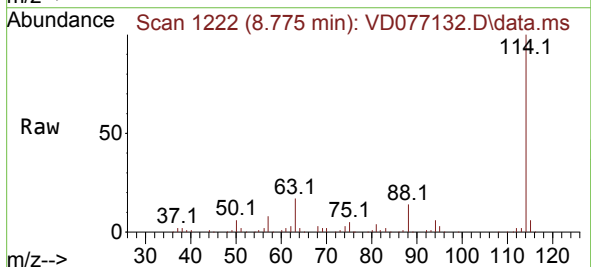
Tgt Ion: 114 Resp: 318639

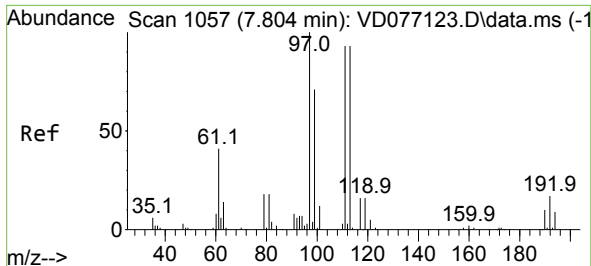
Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.4

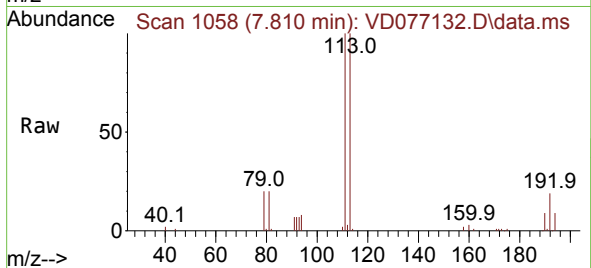
88 13.7 0.0 26.2



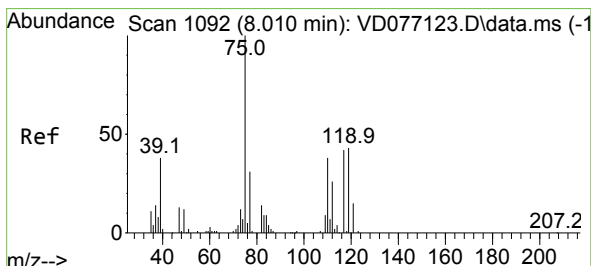
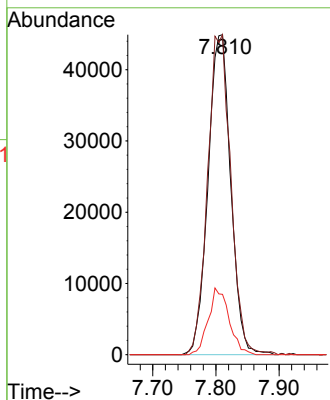
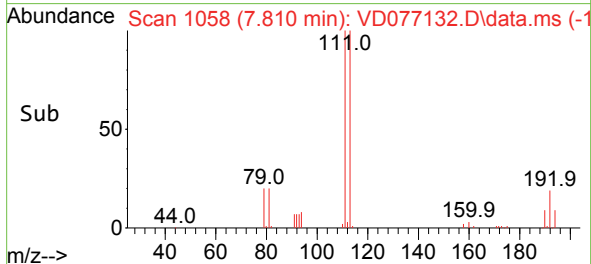


#35
Dibromofluoromethane
Concen: 50.610 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD077132.D
Acq: 18 Sep 2023 16:21

Instrument :
MSVOA_D
ClientSampleId :

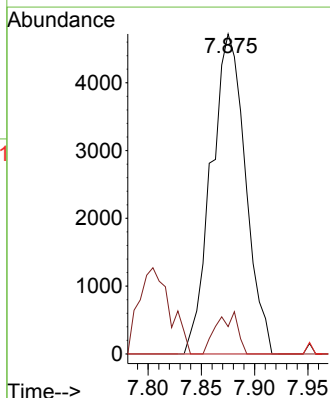
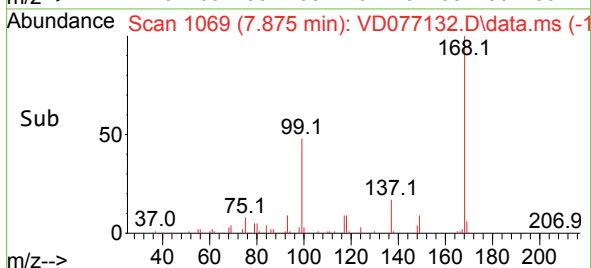
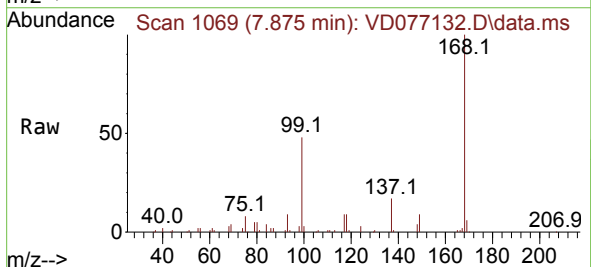


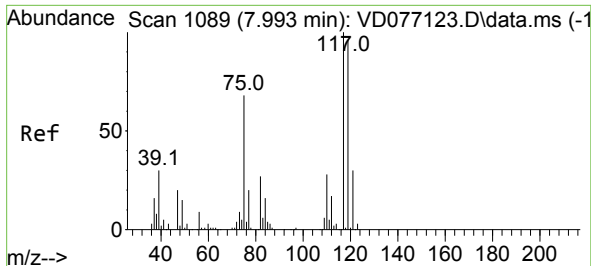
Tgt Ion:113 Resp: 112012
Ion Ratio Lower Upper
113 100
111 102.4 84.7 127.1
192 19.1 16.8 25.2



#36
1,1-Dichloropropene
Concen: 3.170 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD077132.D
Acq: 18 Sep 2023 16:21

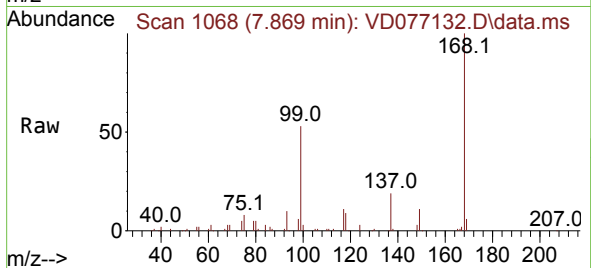
Tgt Ion: 75 Resp: 10565
Ion Ratio Lower Upper
75 100
110 8.1 19.9 59.6#
77 0.0 24.7 37.1#



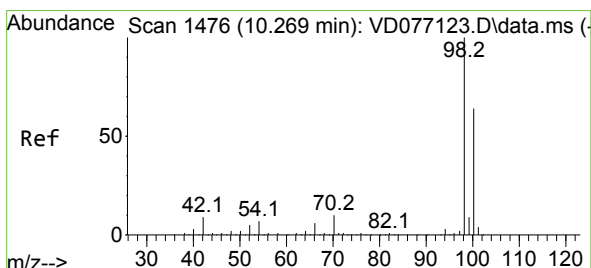
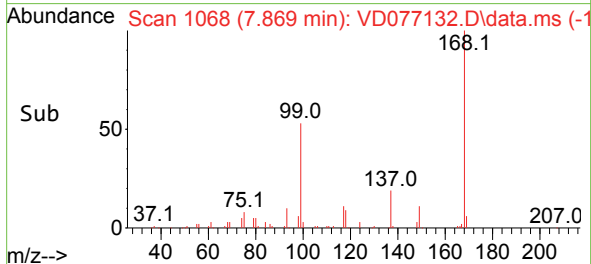
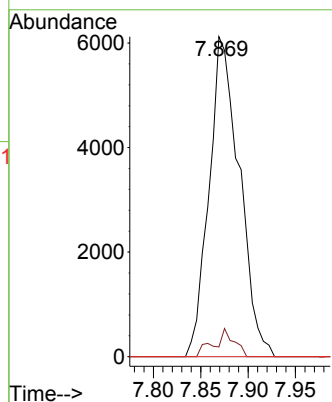


#38
Carbon Tetrachloride
Concen: 4.161 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.123 min
Lab File: VD077132.D
Acq: 18 Sep 2023 16:21

Instrument :
MSVOA_D
ClientSampleId :

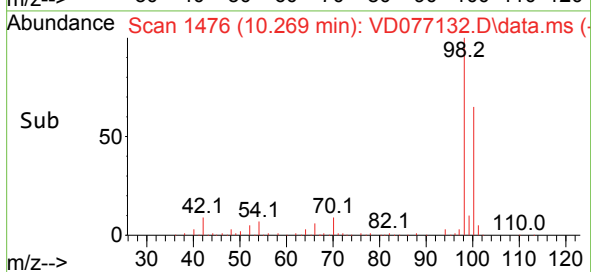
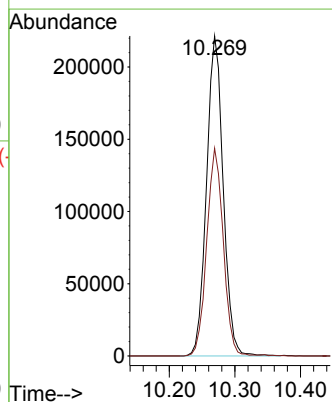
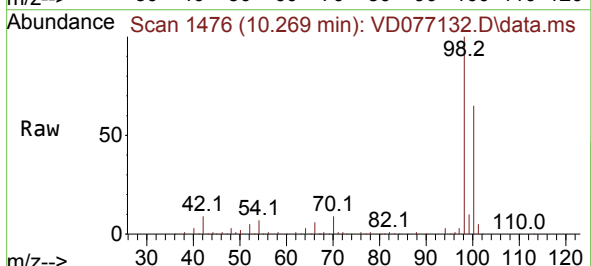


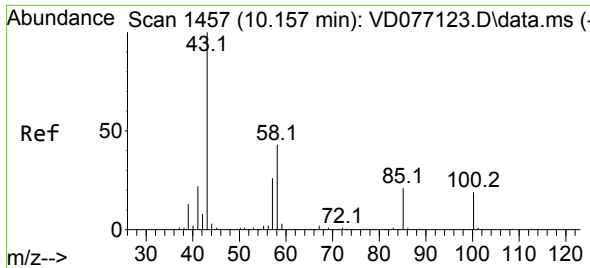
Tgt Ion:117 Resp: 13632
Ion Ratio Lower Upper
117 100
119 3.0 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.735 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077132.D
Acq: 18 Sep 2023 16:21

Tgt Ion: 98 Resp: 391802
Ion Ratio Lower Upper
98 100
100 64.4 50.3 75.5

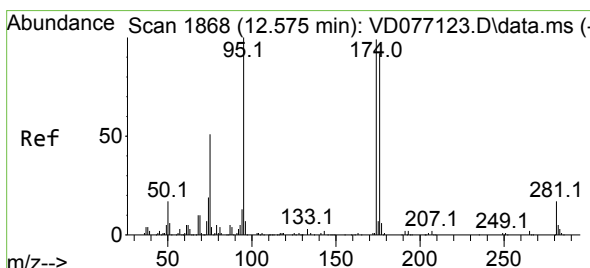
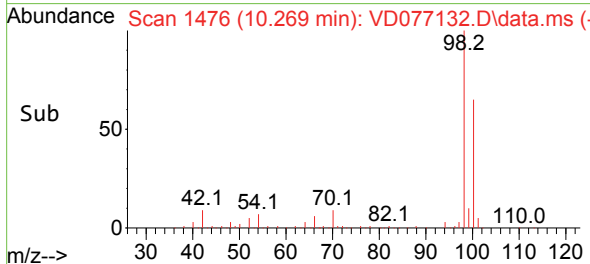
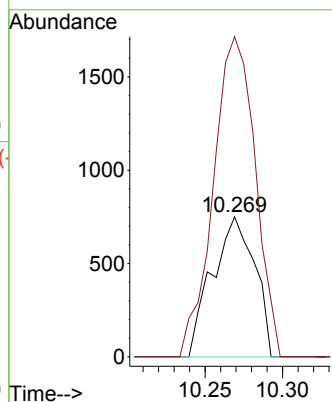
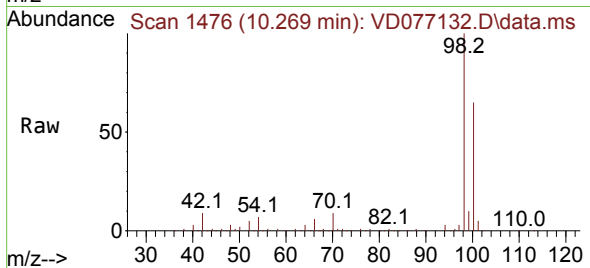




#51
4-Methyl-2-Pentanone
Concen: 1.160 ug/l
RT: 10.269 min Scan# 1457
Delta R.T. 0.112 min
Lab File: VD077132.D
Acq: 18 Sep 2023 16:21

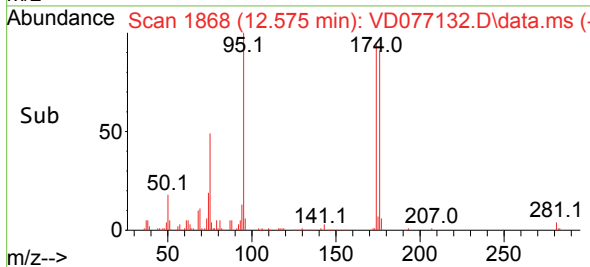
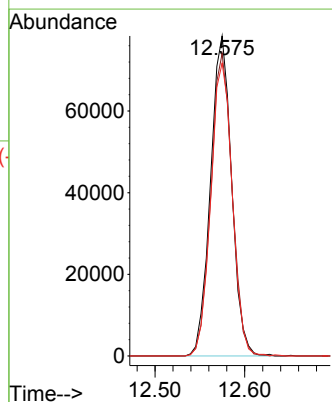
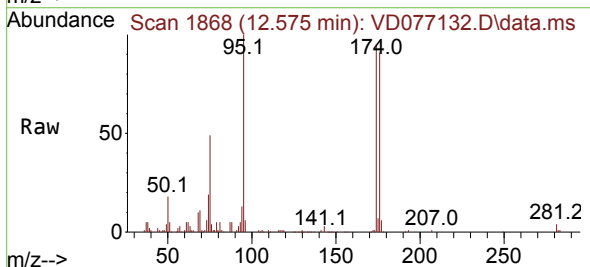
Instrument :
MSVOA_D
ClientSampleId :

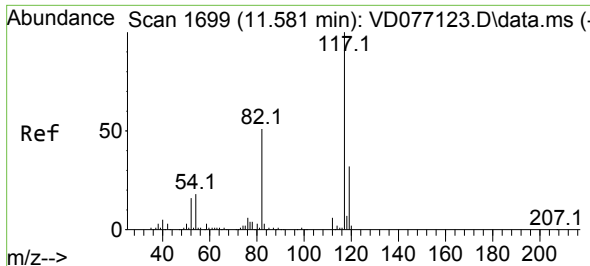
Tgt Ion: 43 Resp: 1428
Ion Ratio Lower Upper
43 100
58 226.1 38.9 58.3#



#62
4-Bromofluorobenzene
Concen: 52.451 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077132.D
Acq: 18 Sep 2023 16:21

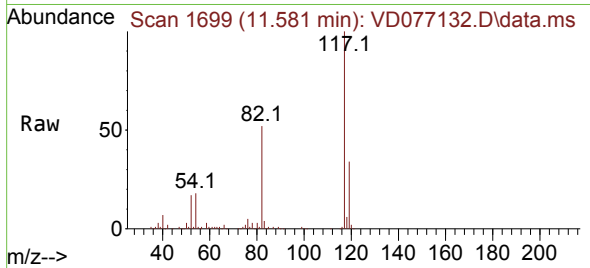
Tgt Ion: 95 Resp: 128070
Ion Ratio Lower Upper
95 100
174 94.7 0.0 201.8
176 93.1 0.0 191.8



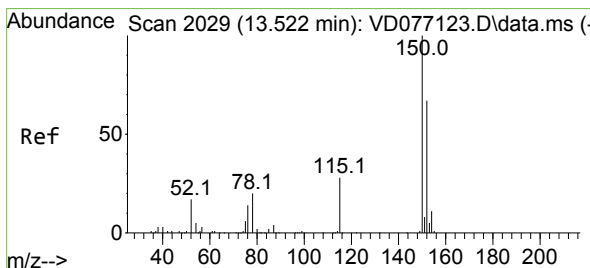
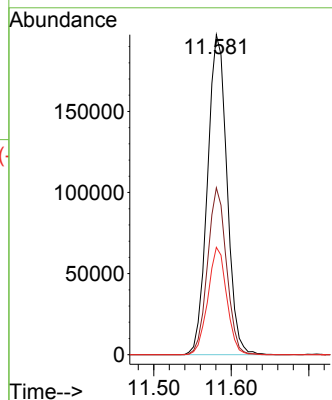
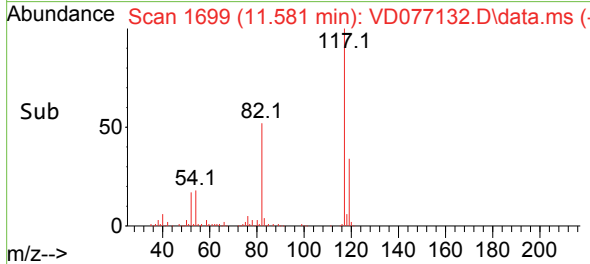


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD077132.D
Acq: 18 Sep 2023 16:21

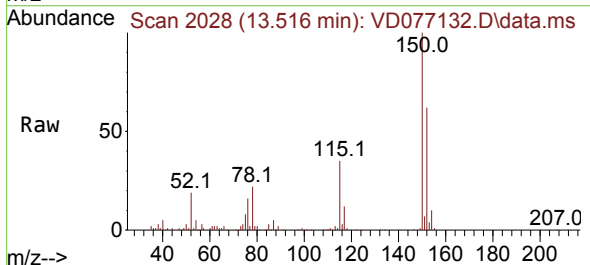
Instrument :
MSVOA_D
ClientSampleId :



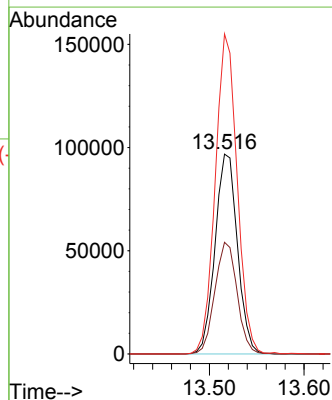
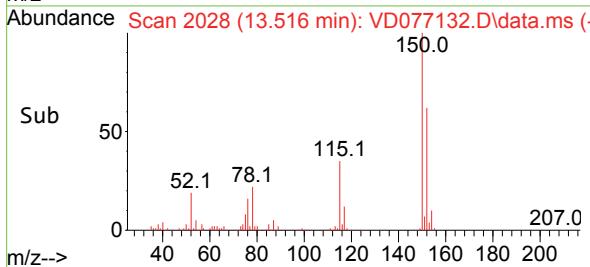
Tgt Ion:117 Resp: 344181
Ion Ratio Lower Upper
117 100
82 52.1 38.3 57.5
119 33.6 25.0 37.4

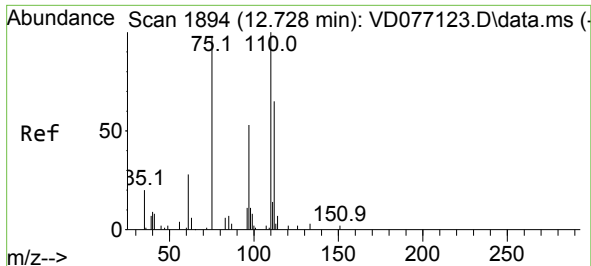


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD077132.D
Acq: 18 Sep 2023 16:21



Tgt Ion:152 Resp: 159112
Ion Ratio Lower Upper
152 100
115 55.5 27.1 81.3
150 156.7 0.0 353.6

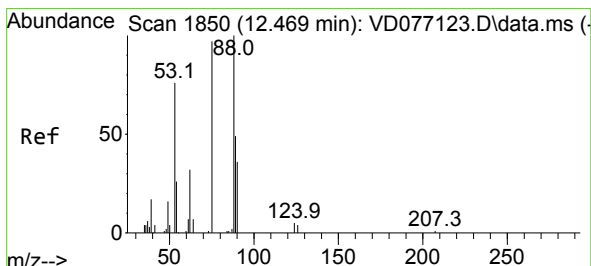
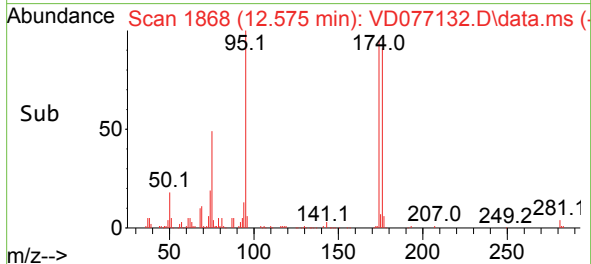
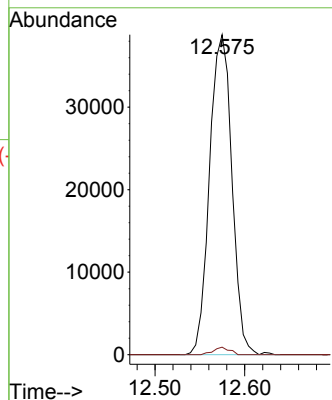
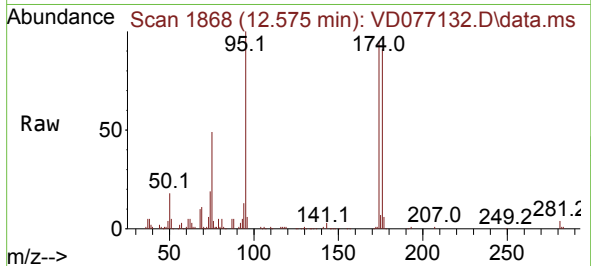




#76
1,2,3-Trichloropropane
Concen: 52.888 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD077132.D
Acq: 18 Sep 2023 16:21

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 67125
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.106 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077132.D
Acq: 18 Sep 2023 16:21

Tgt Ion: 75 Resp: 67125
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

