

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091823\
 Data File : VD077134.D
 Acq On : 18 Sep 2023 17:17
 Operator : JC/SY
 Sample : 04436-19
 Misc : 5.42G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 19 04:58:05 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)

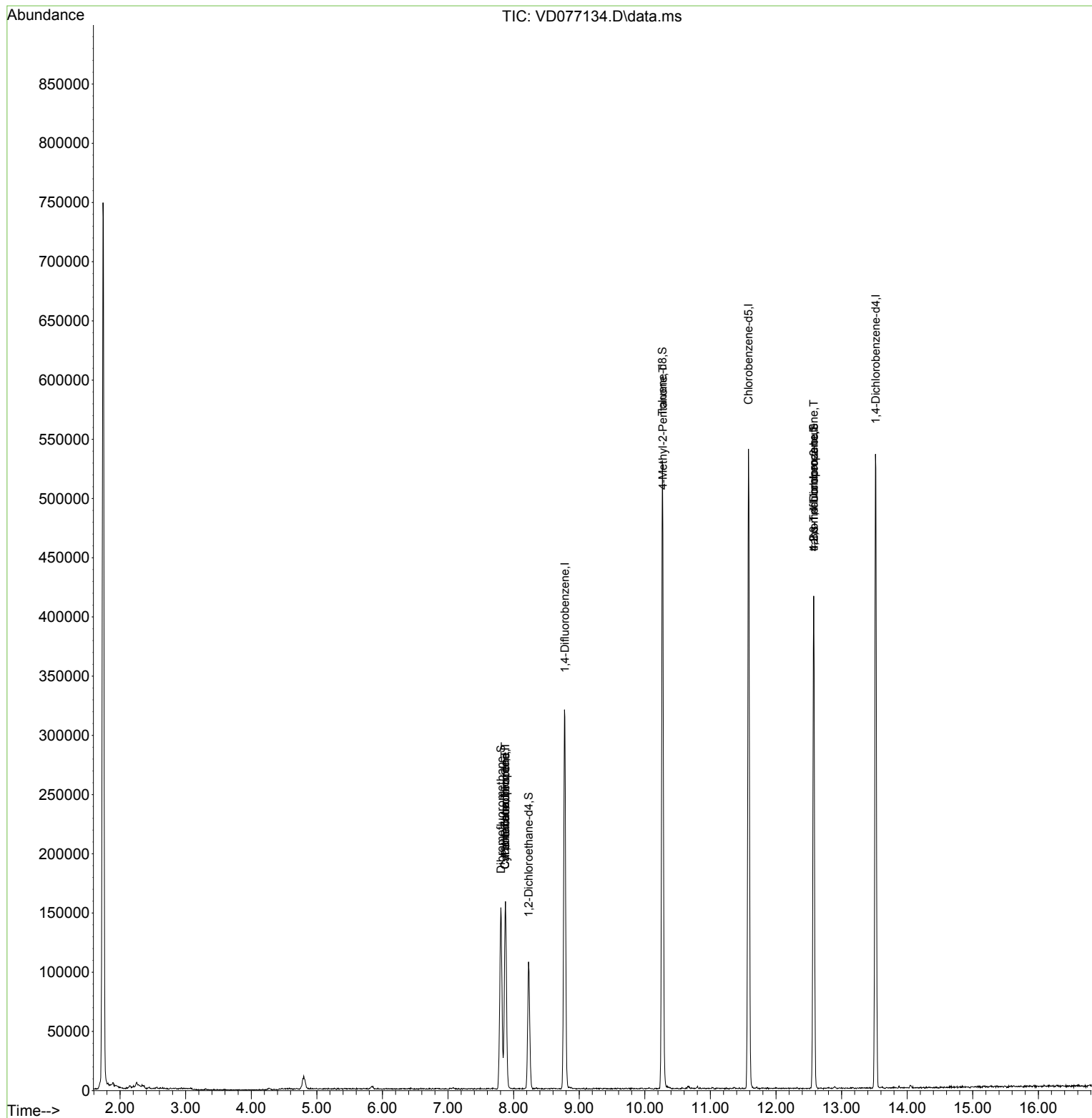
Internal Standards						
1) Pentafluorobenzene	7.875	168	126312	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	298670	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	333557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	154918	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	79310	62.216	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.440%	
35) Dibromofluoromethane	7.810	113	110788	53.404	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.800%	
50) Toluene-d8	10.269	98	377180	51.080	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.160%	
62) 4-Bromofluorobenzene	12.575	95	126550	55.294	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.580%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.799	84	8056	Below Cal	#	89
31) Cyclohexane	7.869	56	2434	1.091	ug/l #	18
36) 1,1-Dichloropropene	7.875	75	10078	3.226	ug/l #	46
38) Carbon Tetrachloride	7.869	117	12013	3.912	ug/l #	16
51) 4-Methyl-2-Pentanone	10.275	43	1313	1.138	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	64651	52.318	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	64651	99.027	ug/l #	17

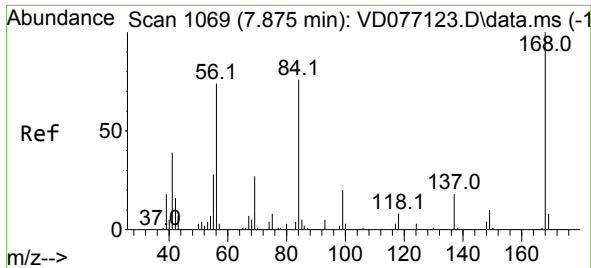
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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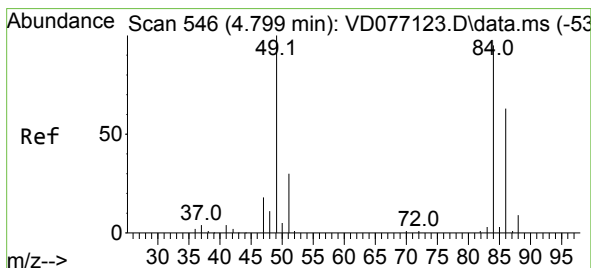
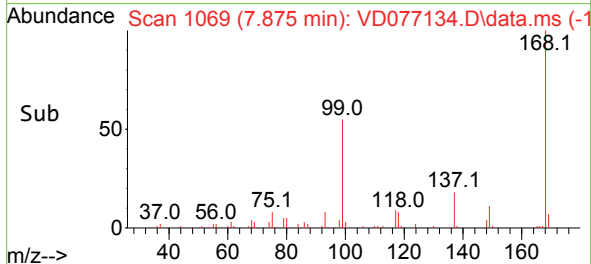
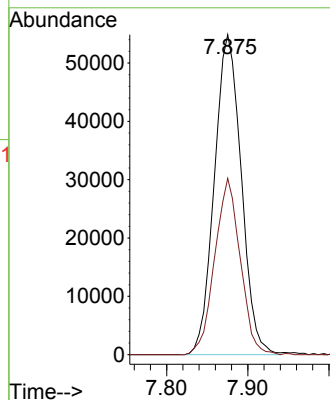
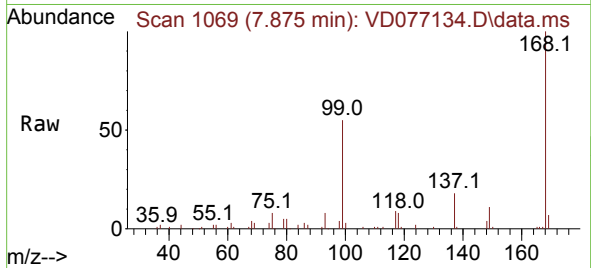




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077134.D
Acq: 18 Sep 2023 17:17

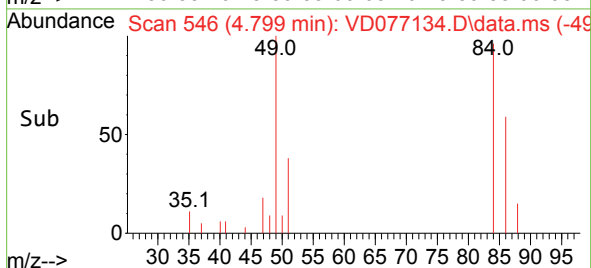
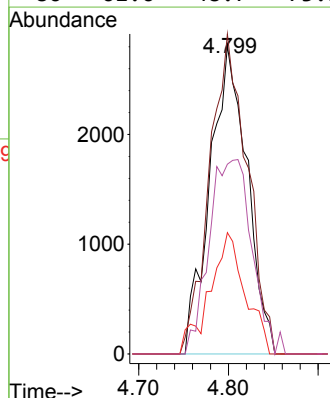
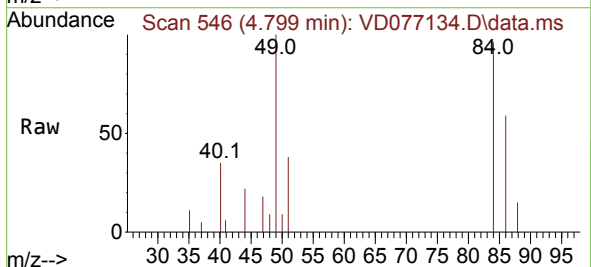
Instrument :
MSVOA_D
ClientSampleId :

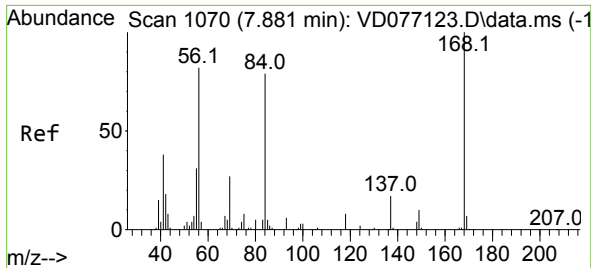
Tgt Ion:168 Resp: 126312
Ion Ratio Lower Upper
168 100
99 55.1 36.7 55.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD077134.D
Acq: 18 Sep 2023 17:17

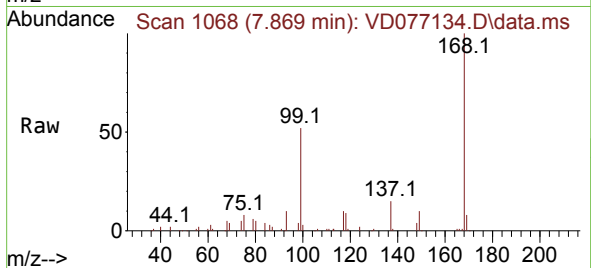
Tgt Ion: 84 Resp: 8056
Ion Ratio Lower Upper
84 100
49 103.8 71.4 107.2
51 39.4 24.5 36.7#
86 61.6 48.7 73.1



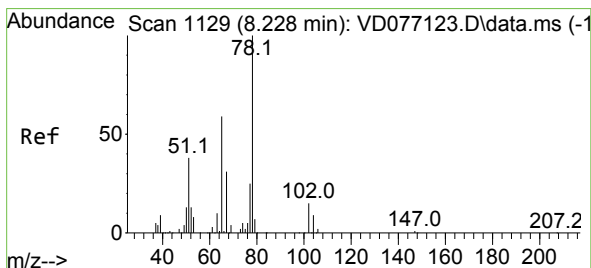
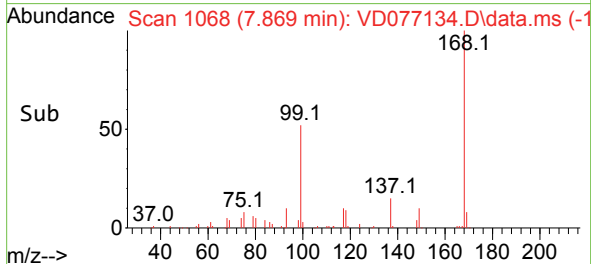
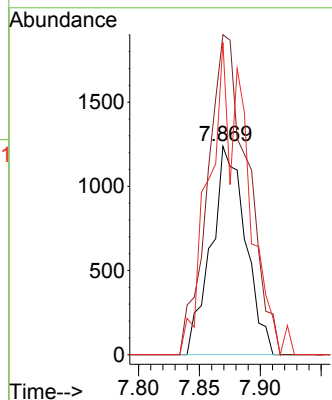


#31
Cyclohexane
Concen: 1.091 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD077134.D
Acq: 18 Sep 2023 17:17

Instrument :
MSVOA_D
ClientSampleId :

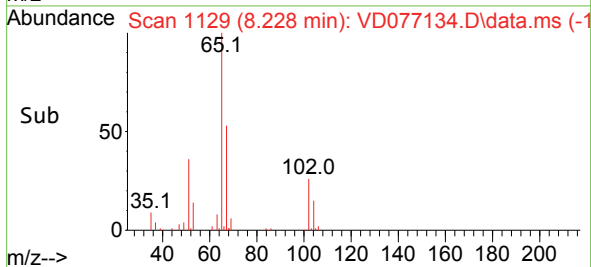
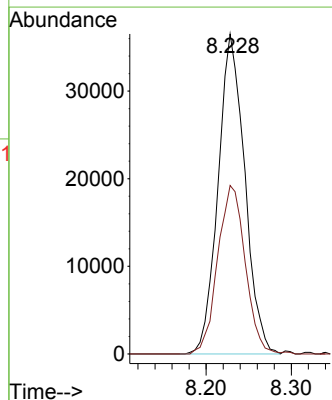
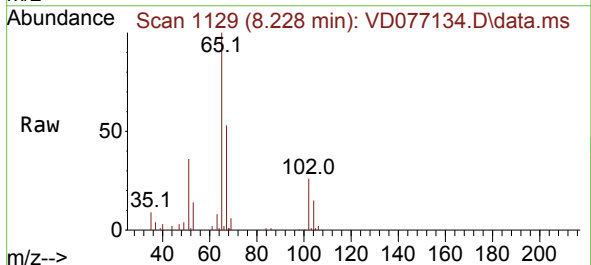


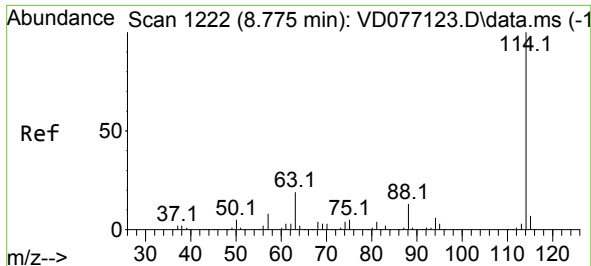
Tgt Ion: 56 Resp: 2434
Ion Ratio Lower Upper
56 100
69 153.6 28.6 43.0#
84 149.8 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 62.216 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD077134.D
Acq: 18 Sep 2023 17:17

Tgt Ion: 65 Resp: 79310
Ion Ratio Lower Upper
65 100
67 54.6 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077134.D

Acq: 18 Sep 2023 17:17

Instrument :

MSVOA_D

ClientSampleId :

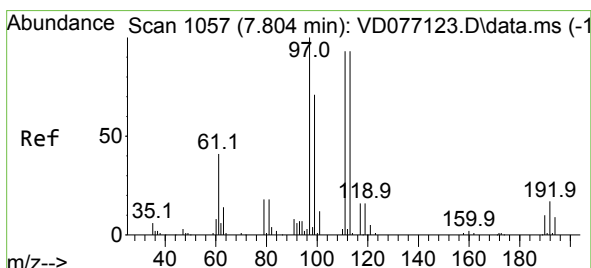
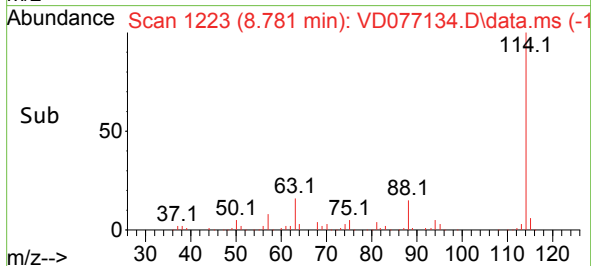
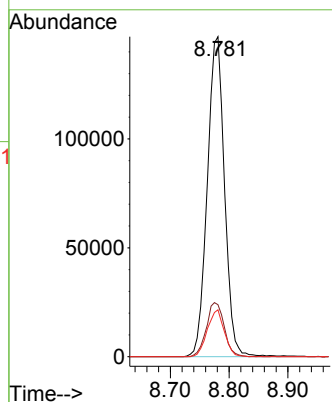
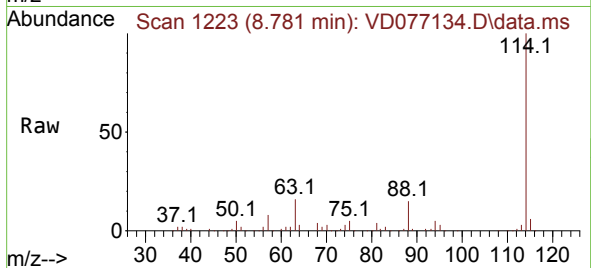
Tgt Ion:114 Resp: 298670

Ion Ratio Lower Upper

114 100

63 16.3 0.0 33.4

88 14.6 0.0 26.2



#35

Dibromofluoromethane

Concen: 53.404 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077134.D

Acq: 18 Sep 2023 17:17

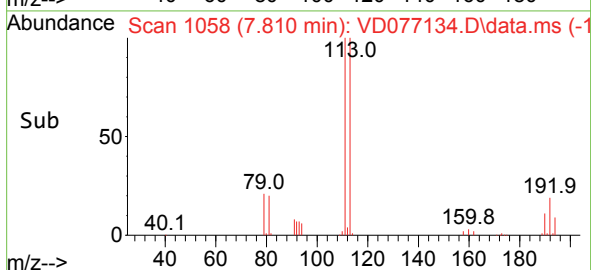
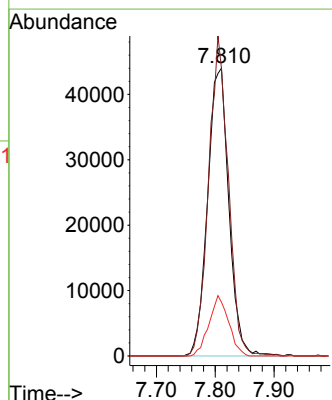
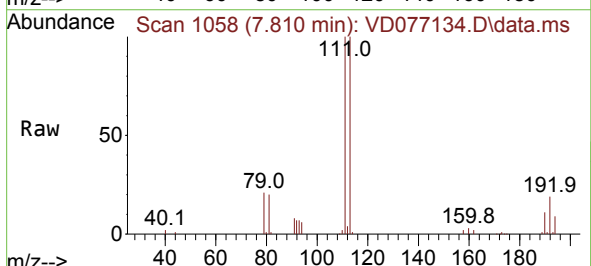
Tgt Ion:113 Resp: 110788

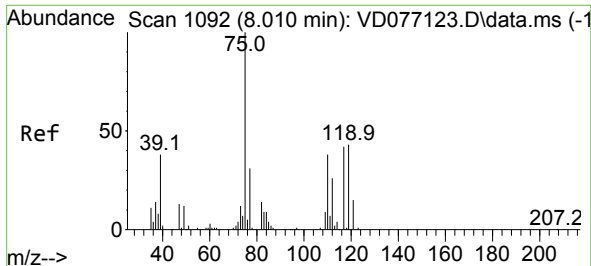
Ion Ratio Lower Upper

113 100

111 102.7 84.7 127.1

192 19.3 16.8 25.2





#36

1,1-Dichloropropene

Concen: 3.226 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

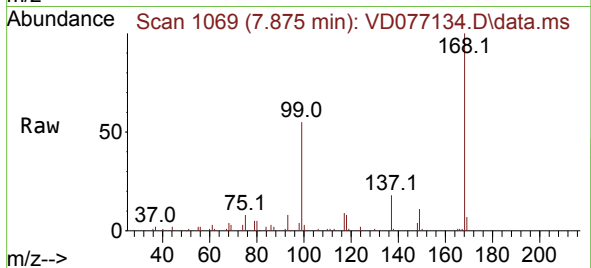
Lab File: VD077134.D

Acq: 18 Sep 2023 17:17

Instrument :

MSVOA_D

ClientSampleId :



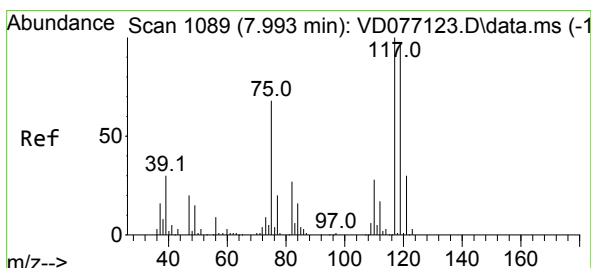
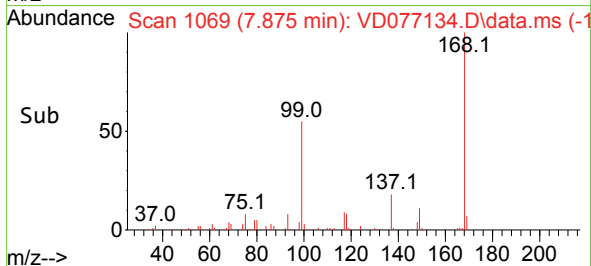
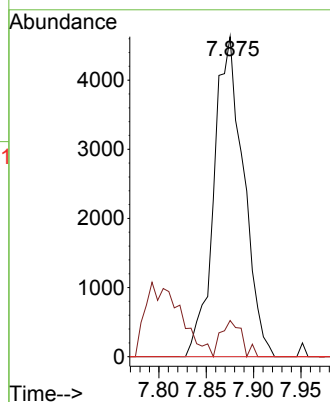
Tgt Ion: 75 Resp: 10078

Ion Ratio Lower Upper

75 100

110 7.9 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 3.912 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.123 min

Lab File: VD077134.D

Acq: 18 Sep 2023 17:17

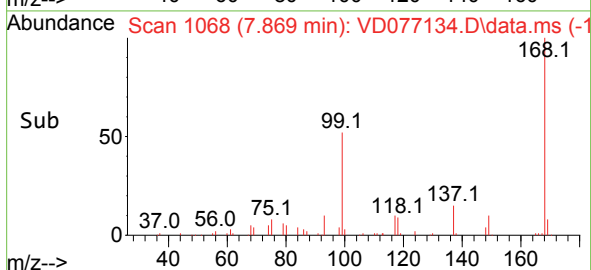
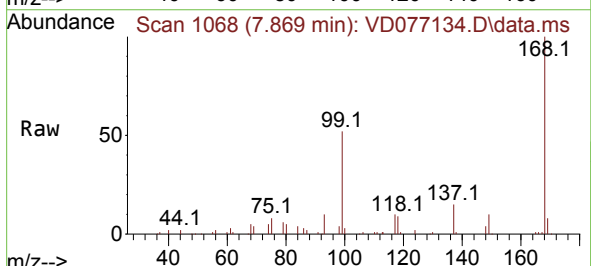
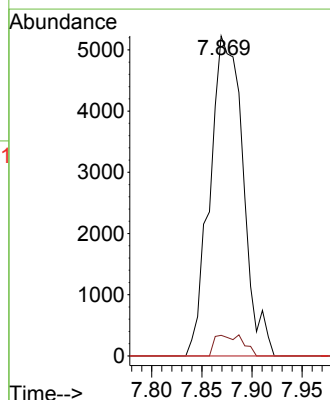
Tgt Ion: 117 Resp: 12013

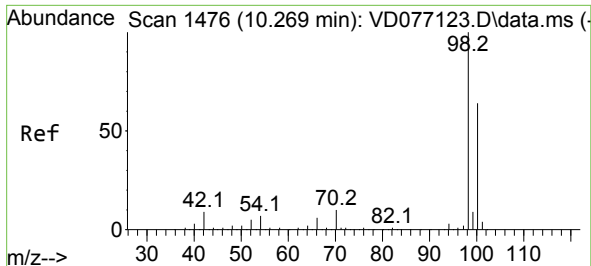
Ion Ratio Lower Upper

117 100

119 6.4 78.0 117.0#

121 0.0 24.2 36.2#

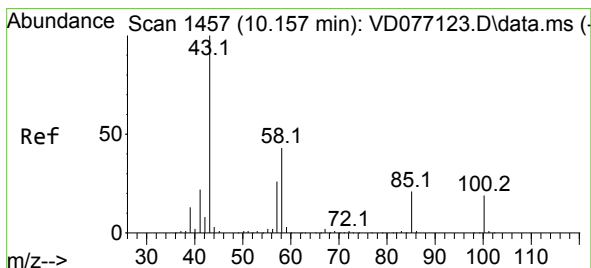
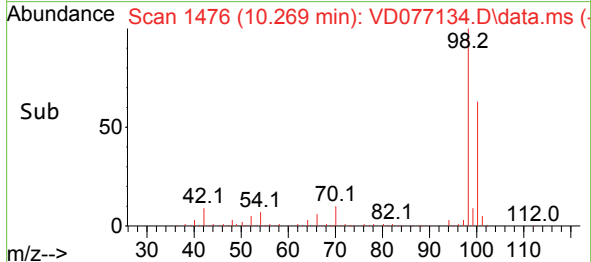
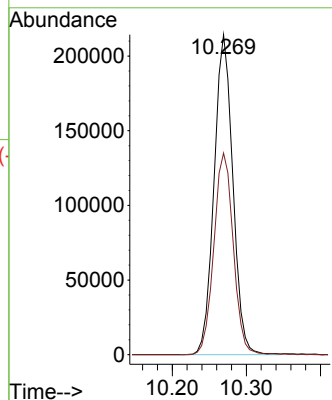
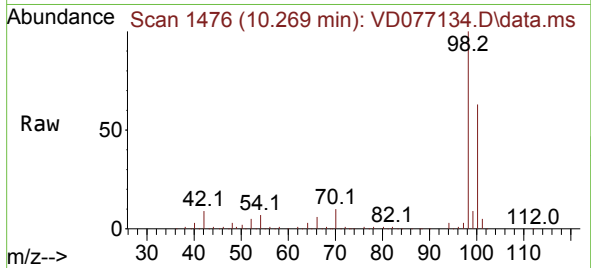




#50
Toluene-d8
Concen: 51.080 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077134.D
Acq: 18 Sep 2023 17:17

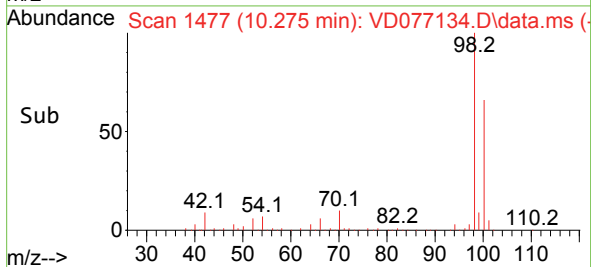
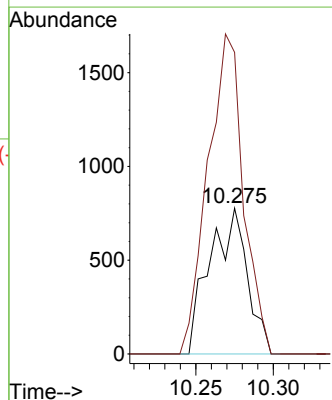
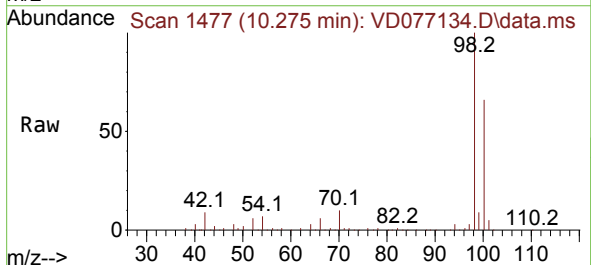
Instrument :
MSVOA_D
ClientSampleId :

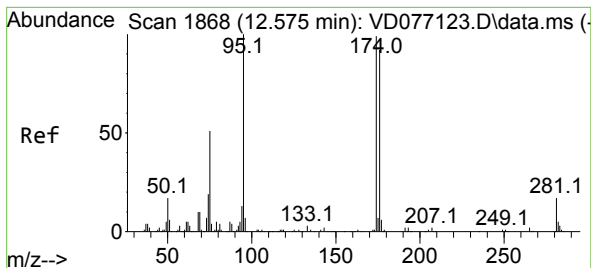
Tgt Ion: 98 Resp: 377180
Ion Ratio Lower Upper
98 100
100 65.2 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.138 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.118 min
Lab File: VD077134.D
Acq: 18 Sep 2023 17:17

Tgt Ion: 43 Resp: 1313
Ion Ratio Lower Upper
43 100
58 206.9 38.9 58.3#

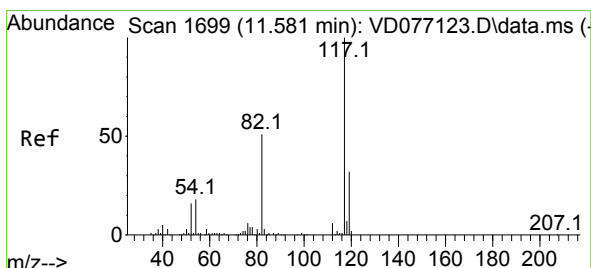
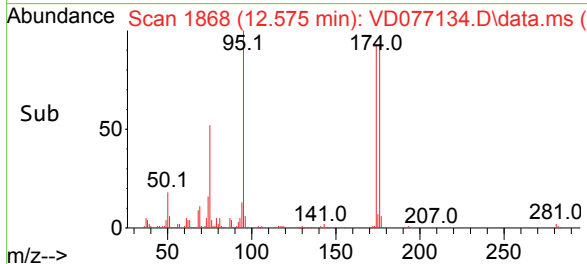
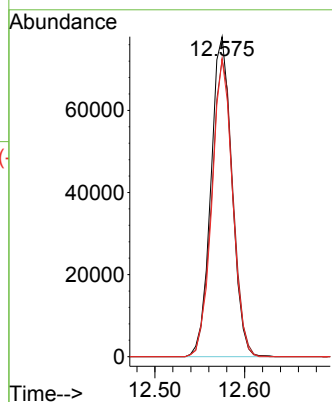
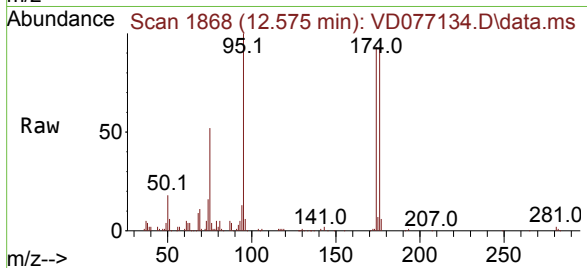




#62
4-Bromofluorobenzene
Concen: 55.294 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077134.D
Acq: 18 Sep 2023 17:17

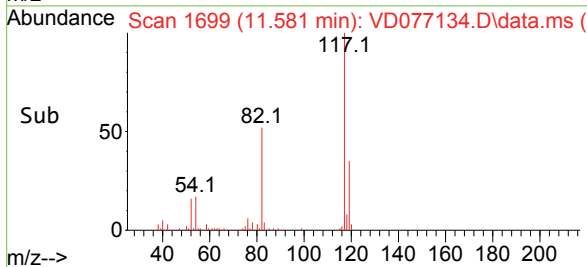
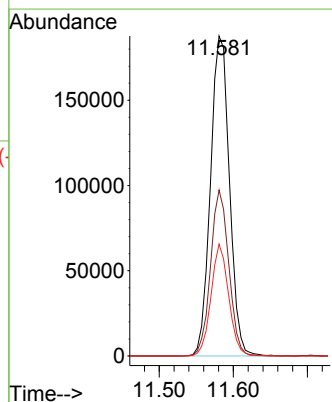
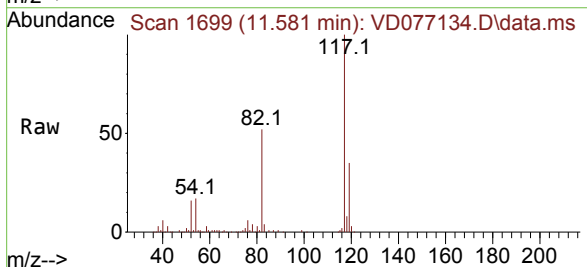
Instrument :
MSVOA_D
ClientSampleId :

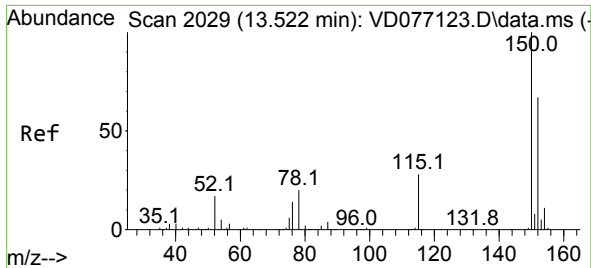
Tgt Ion: 95 Resp: 126550
Ion Ratio Lower Upper
95 100
174 94.9 0.0 201.8
176 91.1 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077134.D
Acq: 18 Sep 2023 17:17

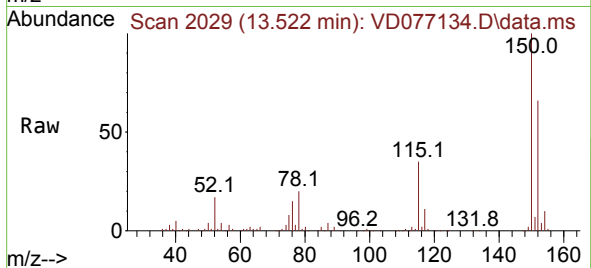
Tgt Ion: 117 Resp: 333557
Ion Ratio Lower Upper
117 100
82 51.8 38.3 57.5
119 35.0 25.0 37.4



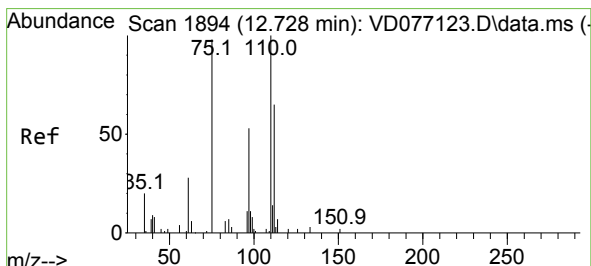
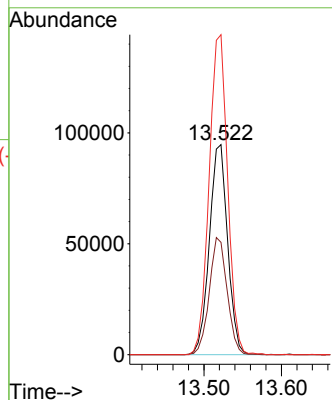
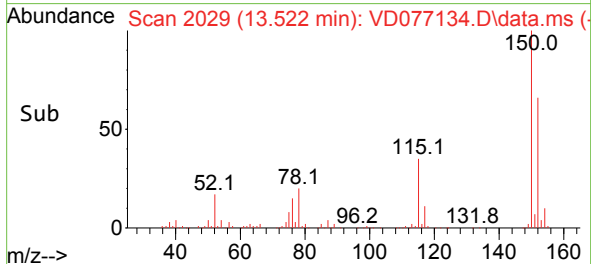


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD077134.D
 Acq: 18 Sep 2023 17:17

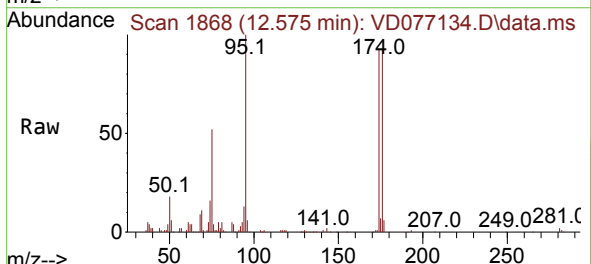
Instrument :
 MSVOA_D
 ClientSampleId :



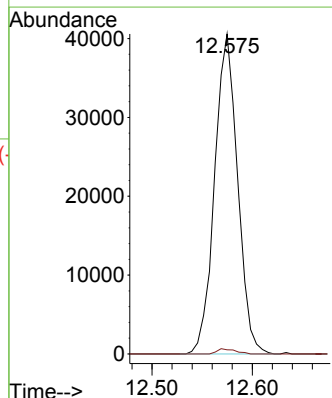
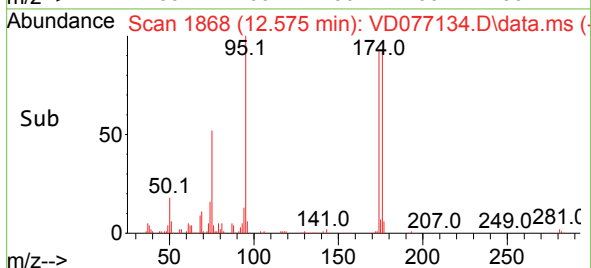
Tgt Ion:152 Resp: 154918
 Ion Ratio Lower Upper
 152 100
 115 54.7 27.1 81.3
 150 154.2 0.0 353.6

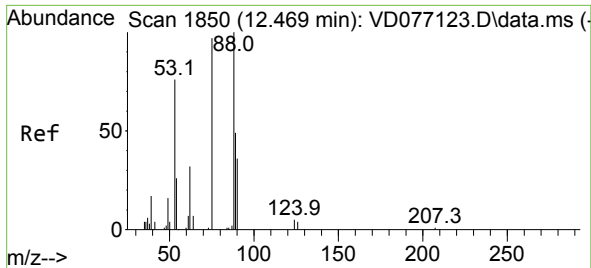


#76
 1,2,3-Trichloropropane
 Concen: 52.318 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD077134.D
 Acq: 18 Sep 2023 17:17



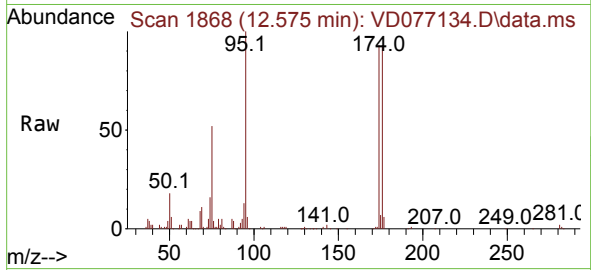
Tgt Ion: 75 Resp: 64651
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.027 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.106 min
 Lab File: VD077134.D
 Acq: 18 Sep 2023 17:17

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	64651
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.1	37.9	56.9#

