

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082823\
 Data File : VD077048.D
 Acq On : 28 Aug 2023 18:24
 Operator : JC/SY
 Sample : 04169-01
 Misc : 5.06G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 29 02:52:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 29 02:15:23 2023
 Response via : Initial Calibration

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

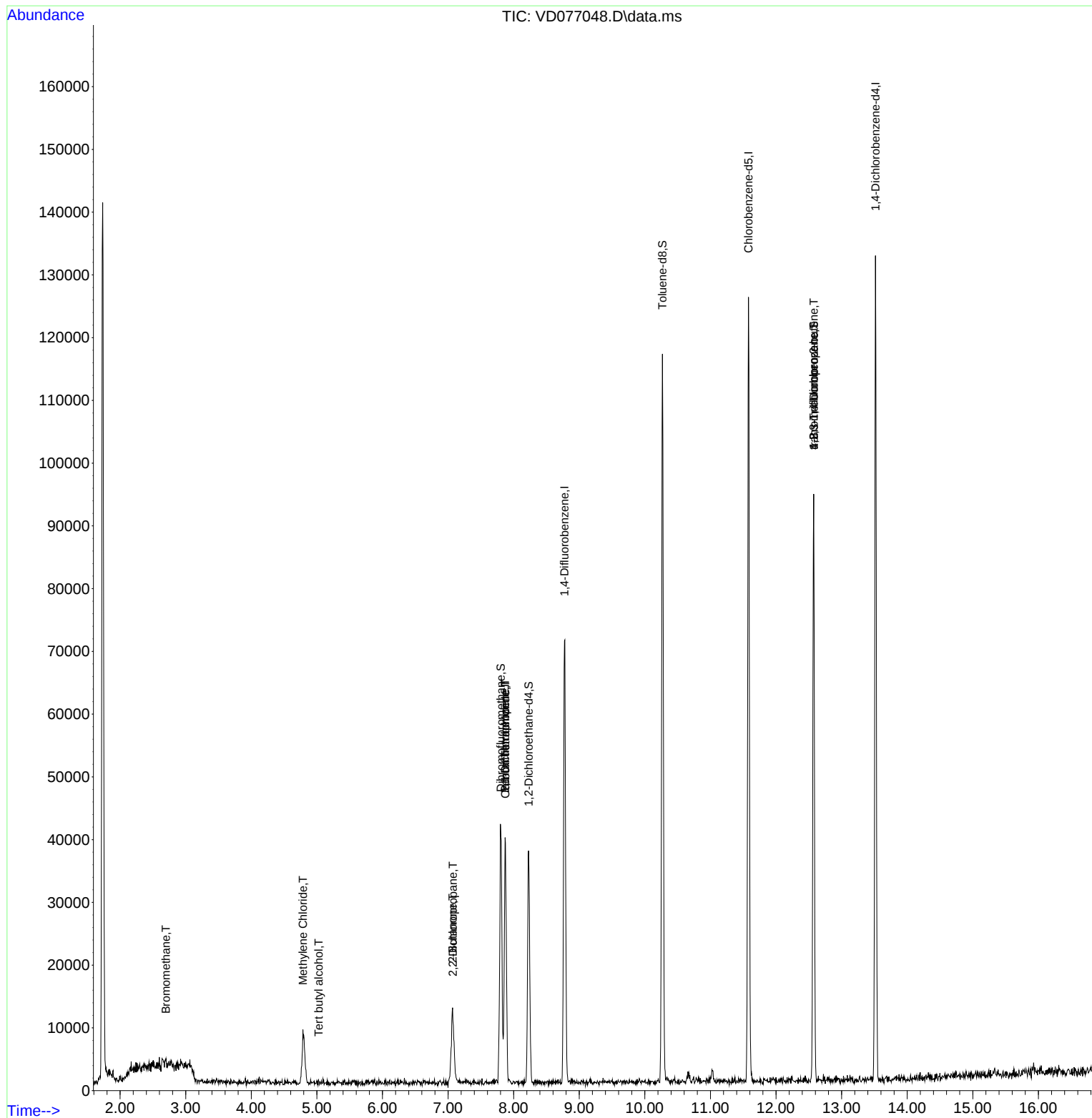
Internal Standards						
1) Pentafluorobenzene	7.869	168	31593	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	68673	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	76386	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	37032	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	28572	91.856	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 183.720%#		
35) Dibromofluoromethane	7.804	113	29090	63.407	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 126.820%		
50) Toluene-d8	10.269	98	82630	49.785	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 99.560%		
62) 4-Bromofluorobenzene	12.575	95	29373	60.025	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 120.040%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.140	50	236	Below Cal	#	41
5) Bromomethane	2.699	94	741	1.342	ug/l	98
11) Tert butyl alcohol	5.028	59	63	3.376	ug/l #	73
20) Methylene Chloride	4.787	84	6937	12.689	ug/l	97
25) 2-Butanone	7.069	43	176	1.981	ug/l #	37
26) 2,2-Dichloropropane	7.075	77	702	1.256	ug/l #	49
36) 1,1-Dichloropropene	7.869	75	2495	3.818	ug/l #	39
38) Carbon Tetrachloride	7.875	117	2856	4.322	ug/l #	11
76) 1,2,3-Trichloropropane	12.575	75	14891	41.690	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	14891	96.796	ug/l #	17

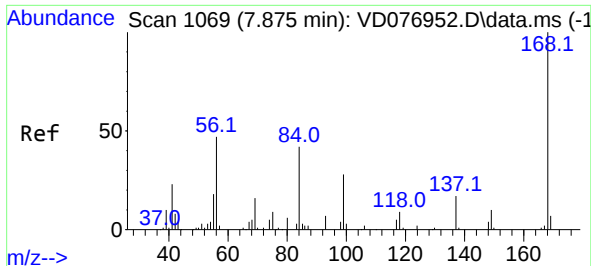
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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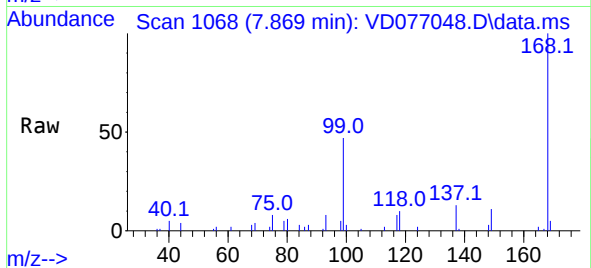
Quant Time: Aug 29 02:52:03 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082823S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 29 02:15:23 2023
Response via : Initial Calibration



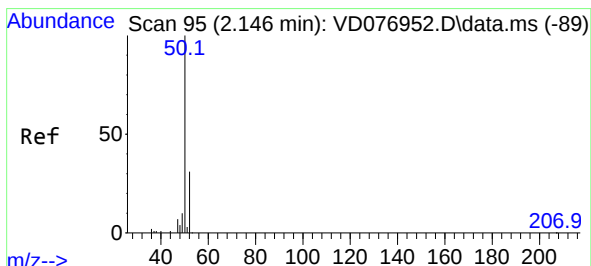
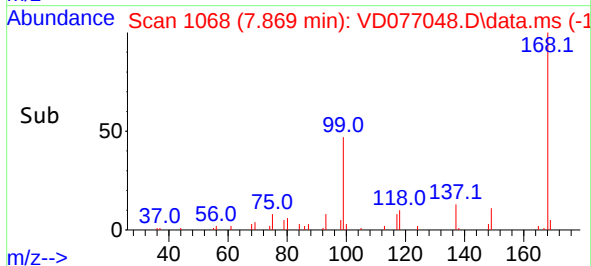
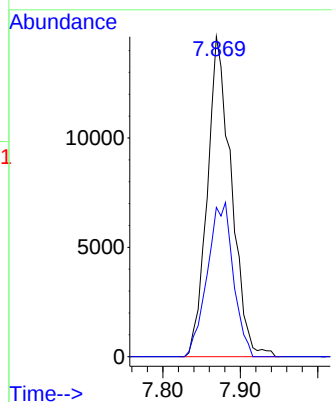


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD077048.D
Acq: 28 Aug 2023 18:24

Instrument :
MSVOA_D
ClientSampleId :

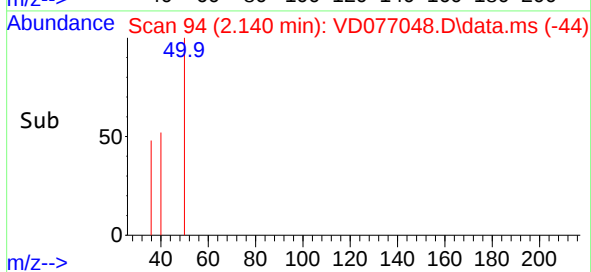
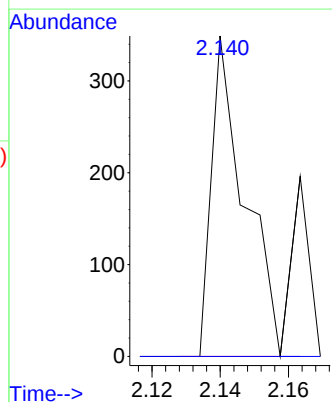
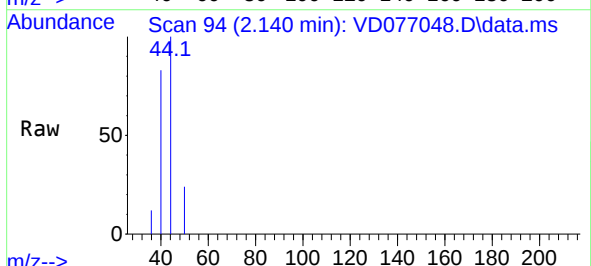


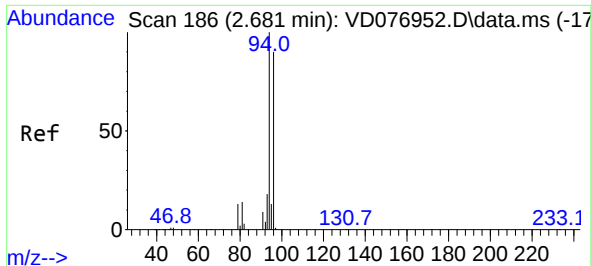
Tgt Ion:168 Resp: 31593
Ion Ratio Lower Upper
168 100
99 46.6 36.7 55.1



#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD077048.D
Acq: 28 Aug 2023 18:24

Tgt Ion: 50 Resp: 236
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

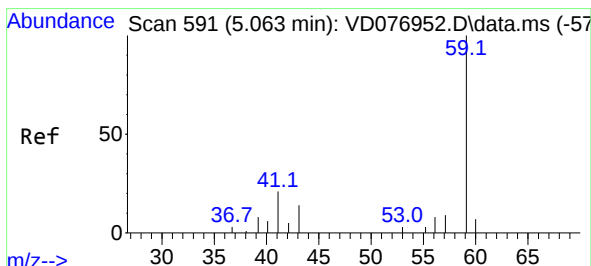
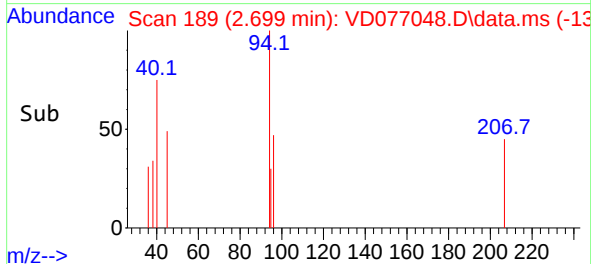
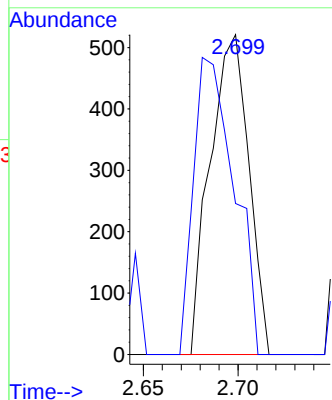
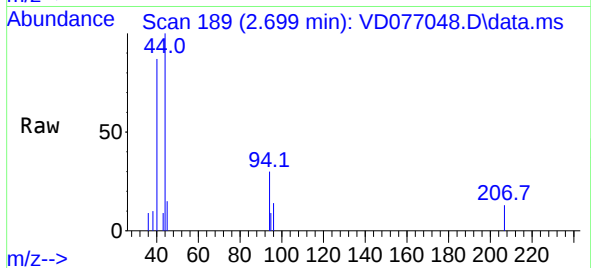




#5
Bromomethane
Concen: 1.342 ug/l
RT: 2.699 min Scan# 11
Delta R.T. 0.018 min
Lab File: VD077048.D
Acq: 28 Aug 2023 18:24

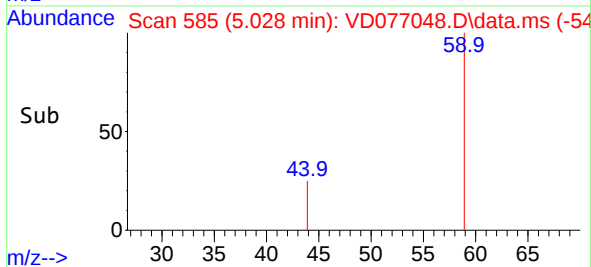
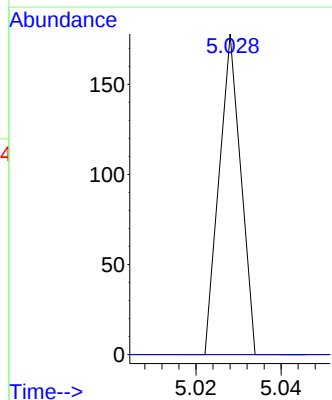
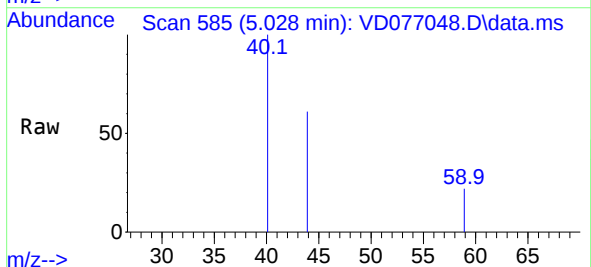
Instrument :
MSVOA_D
ClientSampleId :

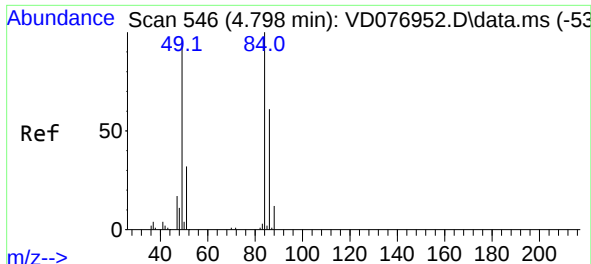
Tgt Ion: 94 Resp: 741
Ion Ratio Lower Upper
94 100
96 97.0 75.8 113.8



#11
Tert butyl alcohol
Concen: 3.376 ug/l
RT: 5.028 min Scan# 585
Delta R.T. -0.035 min
Lab File: VD077048.D
Acq: 28 Aug 2023 18:24

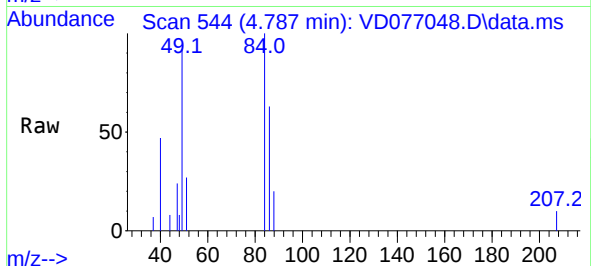
Tgt Ion: 59 Resp: 63
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





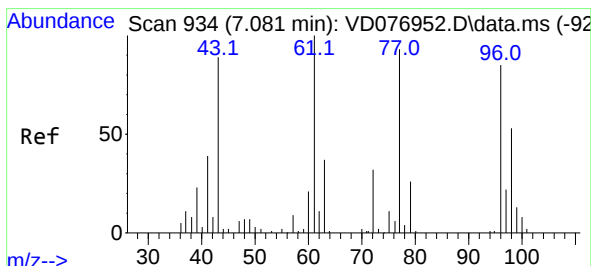
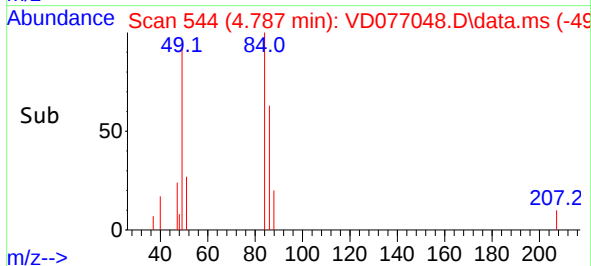
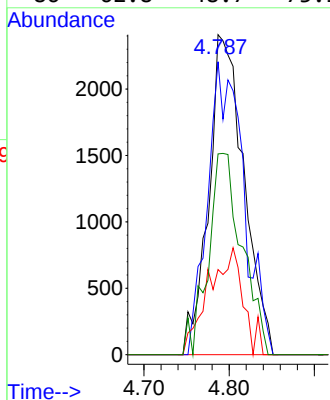
#20
Methylene Chloride
Concen: 12.689 ug/l
RT: 4.787 min Scan# 546
Delta R.T. -0.011 min
Lab File: VD077048.D
Acq: 28 Aug 2023 18:24

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 6937

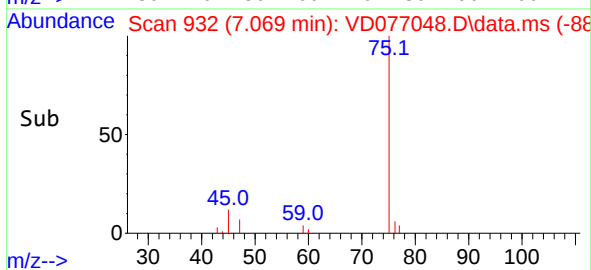
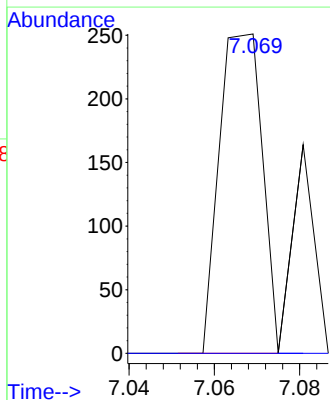
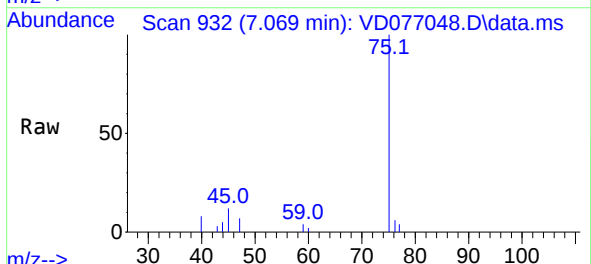
Ion	Ratio	Lower	Upper
84	100		
49	91.5	71.4	107.2
51	26.6	24.5	36.7
86	62.8	48.7	73.1

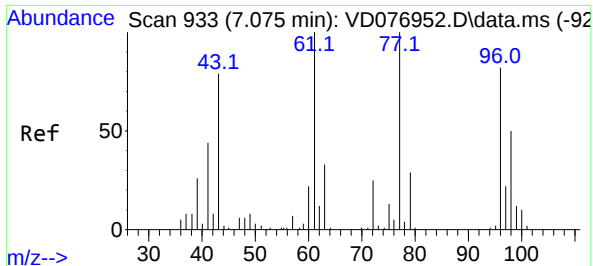


#25
2-Butanone
Concen: 1.981 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.012 min
Lab File: VD077048.D
Acq: 28 Aug 2023 18:24

Tgt Ion: 43 Resp: 176

Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.7	46.1#

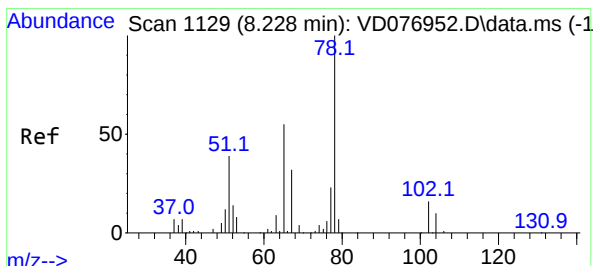
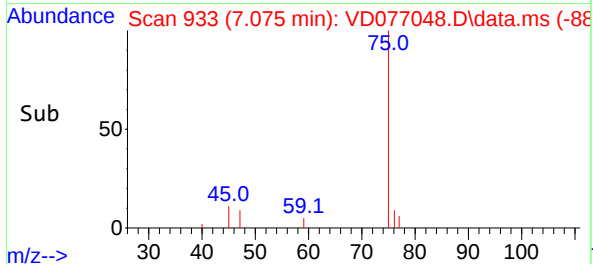
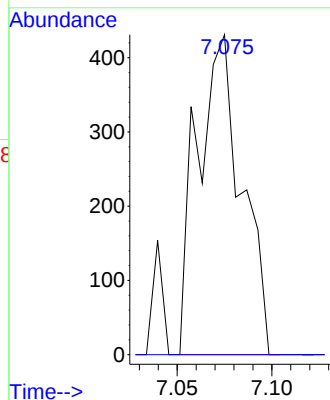
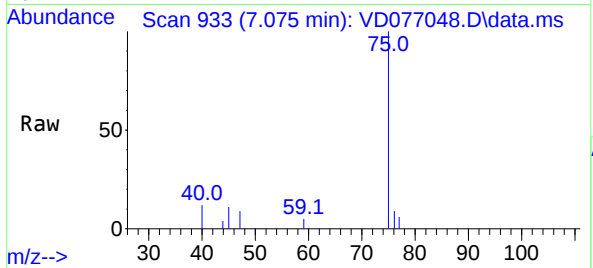




#26
2,2-Dichloropropane
Concen: 1.256 ug/l
RT: 7.075 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD077048.D
Acq: 28 Aug 2023 18:24

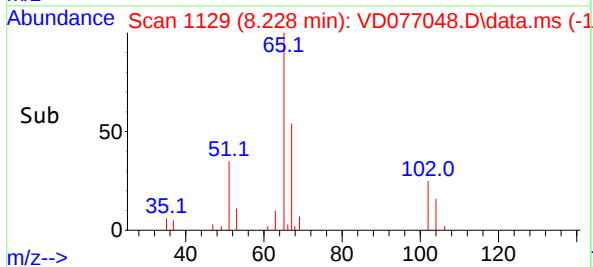
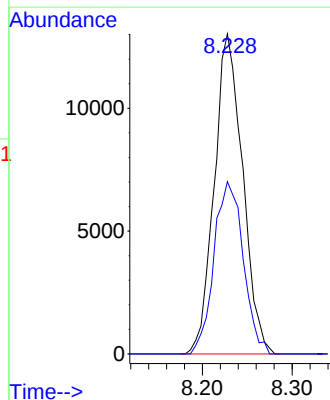
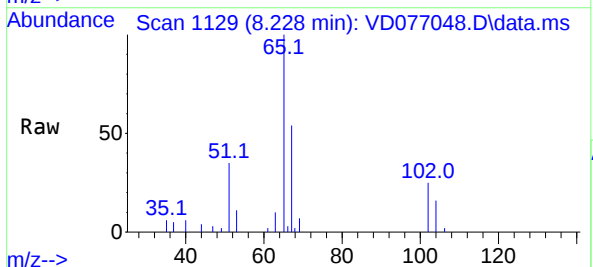
Instrument :
MSVOA_D
ClientSampleId :

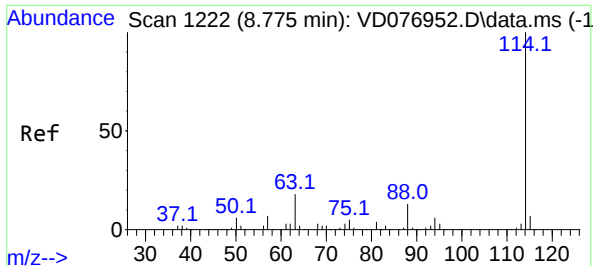
Tgt Ion: 77 Resp: 702
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#



#33
1,2-Dichloroethane-d4
Concen: 91.856 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD077048.D
Acq: 28 Aug 2023 18:24

Tgt Ion: 65 Resp: 28572
Ion Ratio Lower Upper
65 100
67 55.5 0.0 115.0

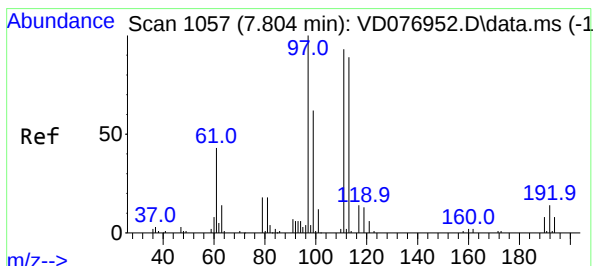
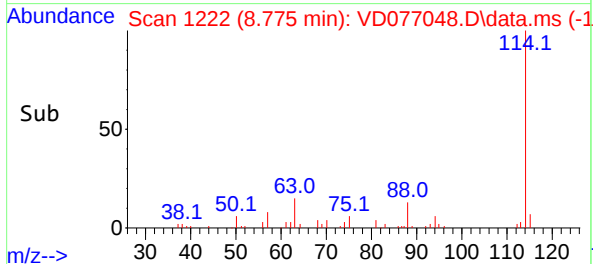
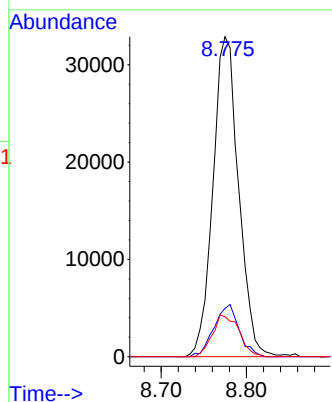
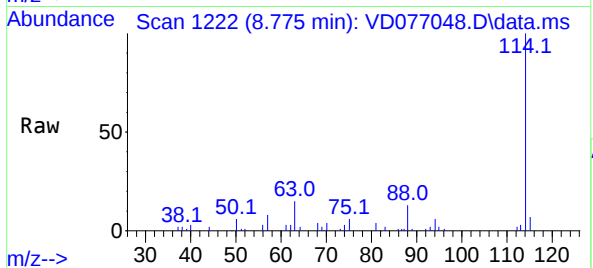




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077048.D
Acq: 28 Aug 2023 18:24

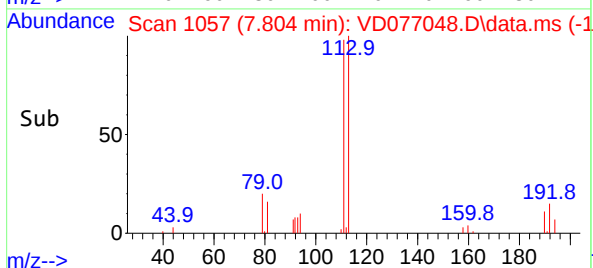
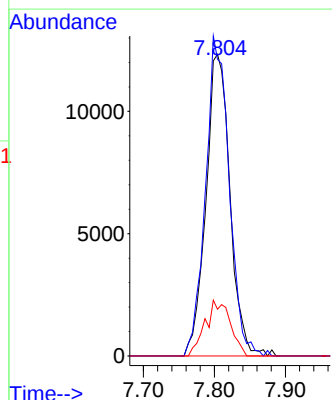
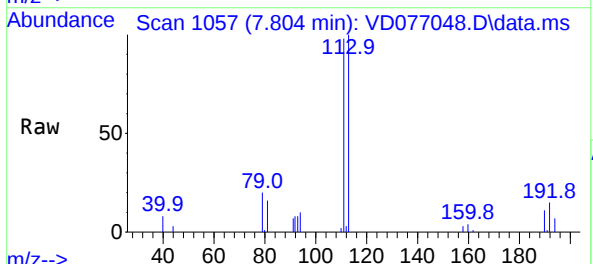
Instrument :
MSVOA_D
ClientSampleId :

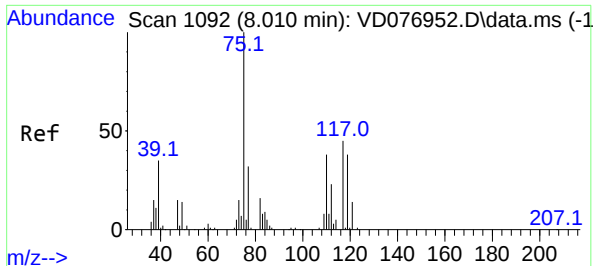
Tgt Ion:114 Resp: 68673
Ion Ratio Lower Upper
114 100
63 15.1 0.0 33.4
88 12.5 0.0 26.2



#35
Dibromofluoromethane
Concen: 63.407 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077048.D
Acq: 28 Aug 2023 18:24

Tgt Ion:113 Resp: 29090
Ion Ratio Lower Upper
113 100
111 104.1 84.7 127.1
192 19.2 16.8 25.2





#36

1,1-Dichloropropene

Concen: 3.818 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

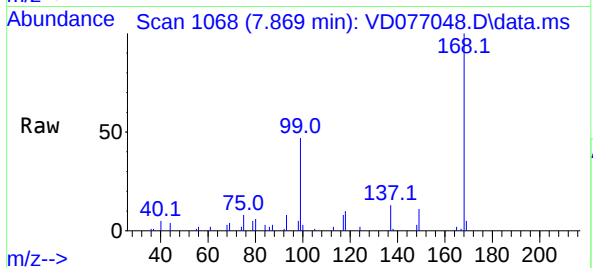
Lab File: VD077048.D

Acq: 28 Aug 2023 18:24

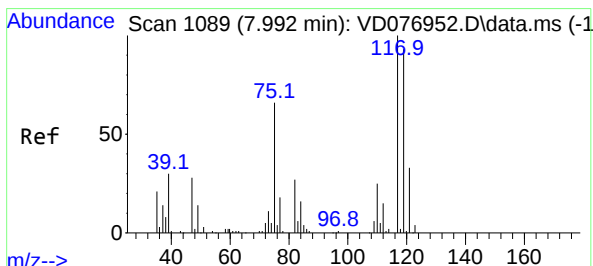
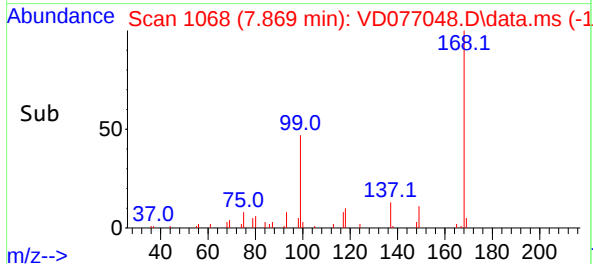
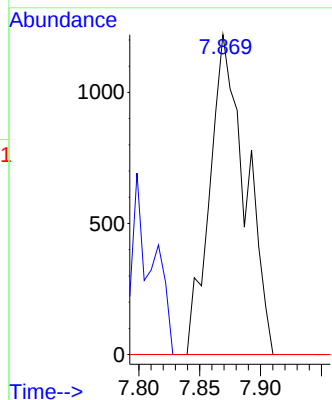
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	2495
Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.9	59.6#
77	0.0	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 4.322 ug/l

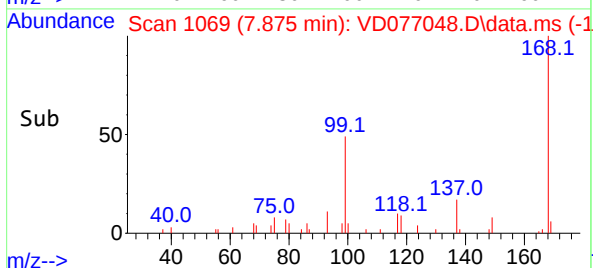
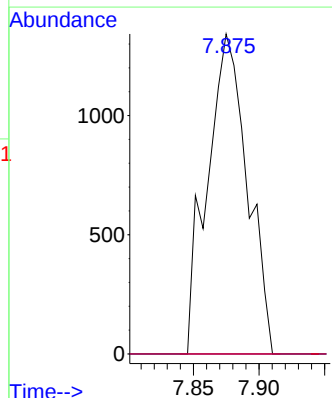
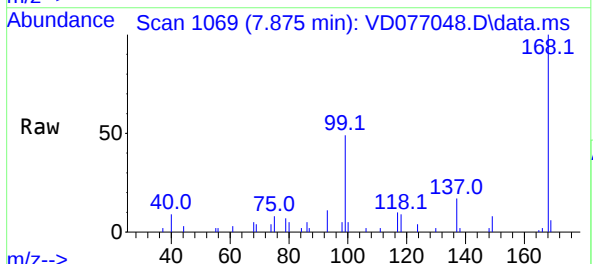
RT: 7.875 min Scan# 1069

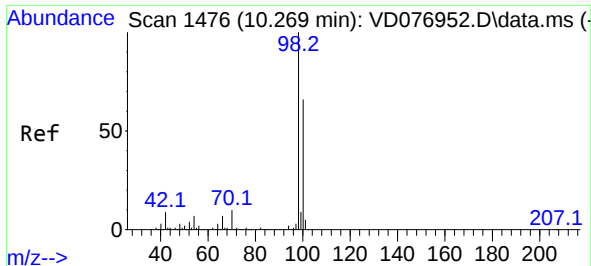
Delta R.T. -0.117 min

Lab File: VD077048.D

Acq: 28 Aug 2023 18:24

Tgt Ion:	117	Resp:	2856
Ion	Ratio	Lower	Upper
117	100		
119	0.0	78.0	117.0#
121	0.0	24.2	36.2#

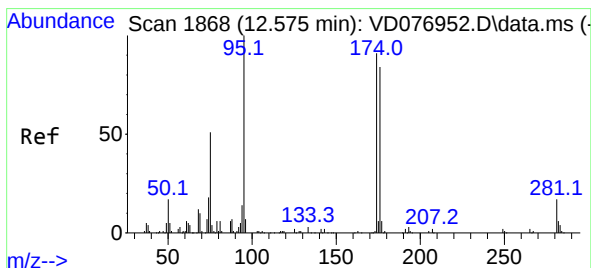
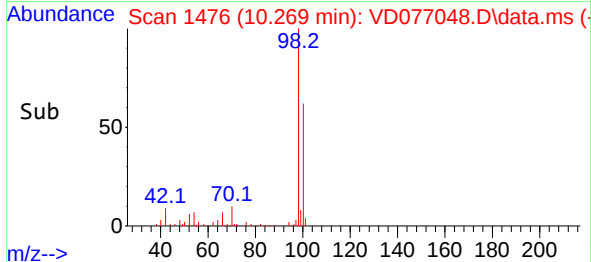
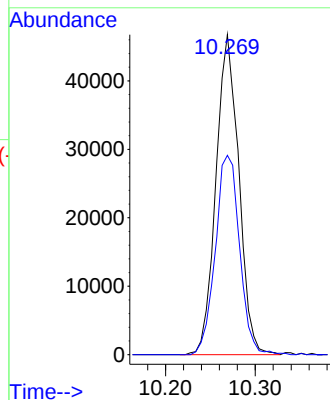
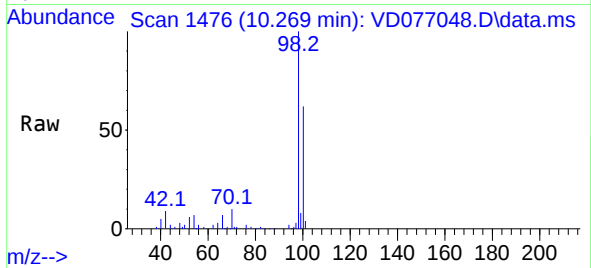




#50
Toluene-d8
Concen: 49.785 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077048.D
Acq: 28 Aug 2023 18:24

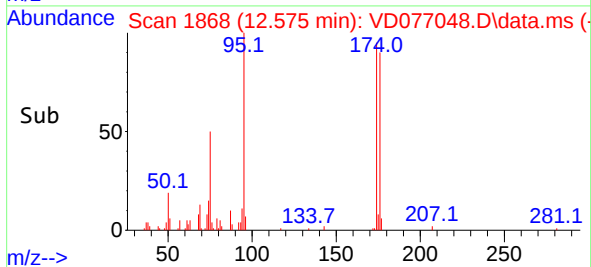
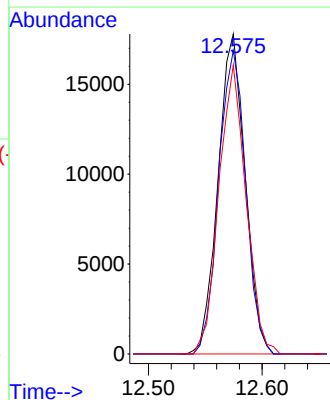
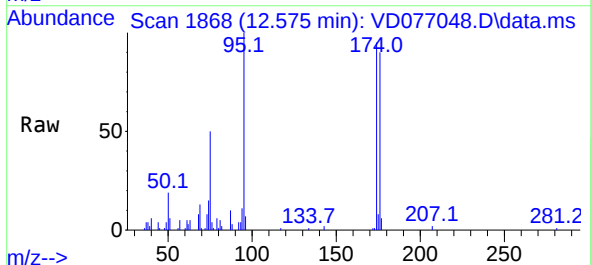
Instrument :
MSVOA_D
ClientSampleId :

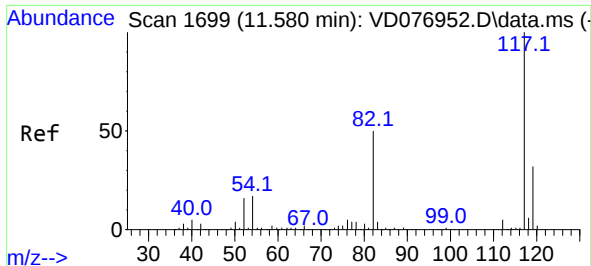
Tgt Ion: 98 Resp: 82630
Ion Ratio Lower Upper
98 100
100 66.2 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 60.025 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077048.D
Acq: 28 Aug 2023 18:24

Tgt Ion: 95 Resp: 29373
Ion Ratio Lower Upper
95 100
174 95.1 0.0 201.8
176 90.8 0.0 191.8

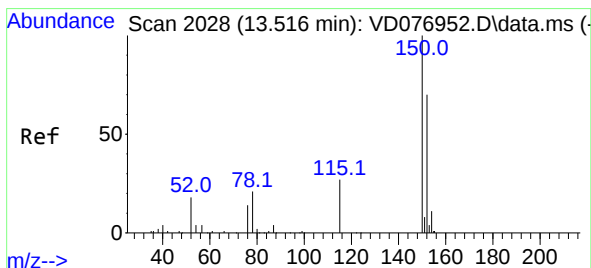
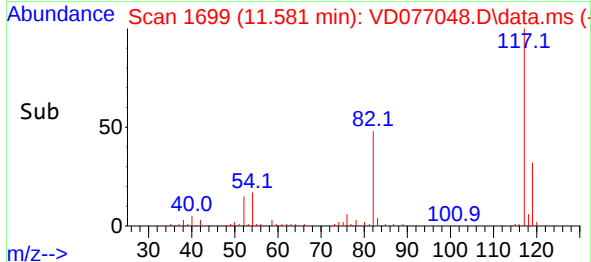
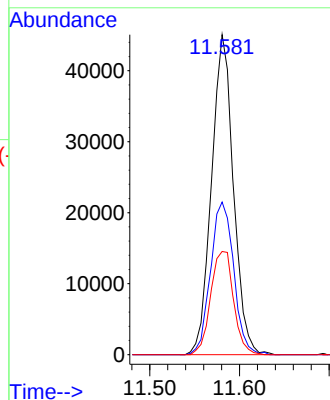
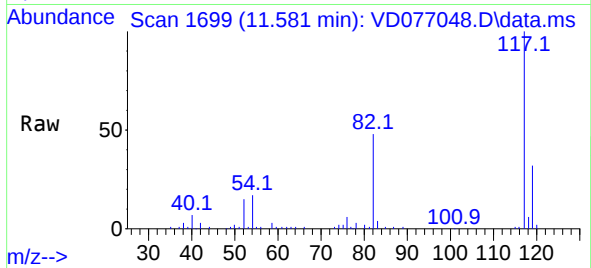




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. 0.001 min
Lab File: VD077048.D
Acq: 28 Aug 2023 18:24

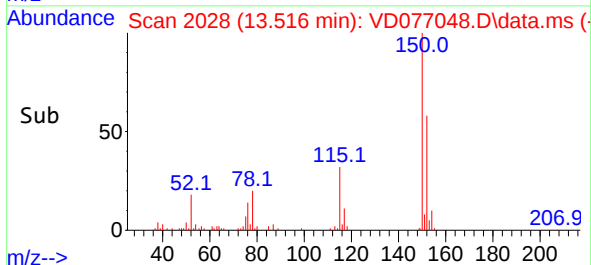
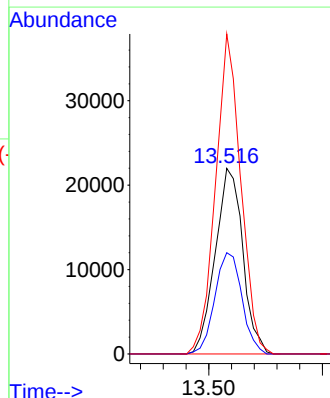
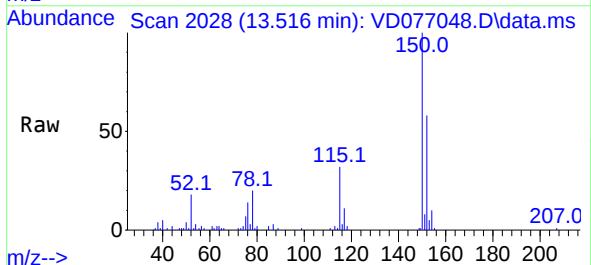
Instrument :
MSVOA_D
ClientSampleId :

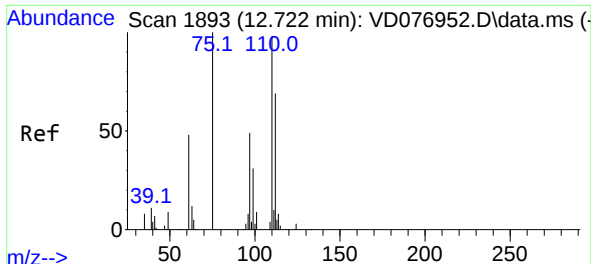
Tgt Ion:117 Resp: 76386
Ion Ratio Lower Upper
117 100
82 47.7 38.3 57.5
119 32.2 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD077048.D
Acq: 28 Aug 2023 18:24

Tgt Ion:152 Resp: 37032
Ion Ratio Lower Upper
152 100
115 53.6 27.1 81.3
150 157.9 0.0 353.6

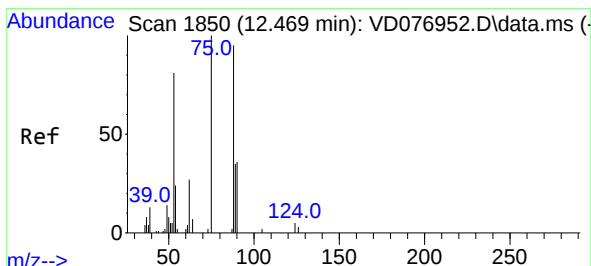
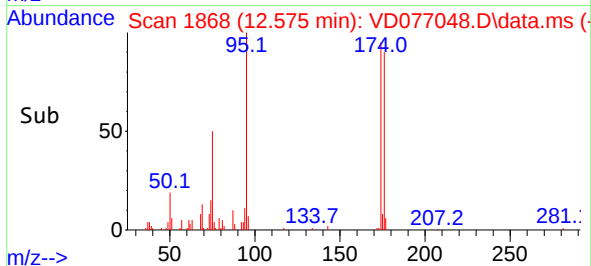
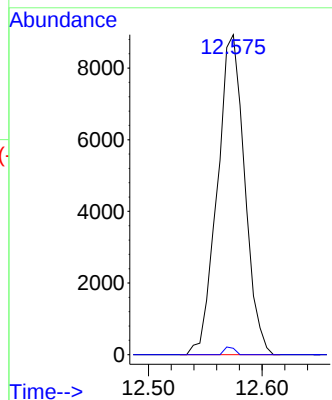
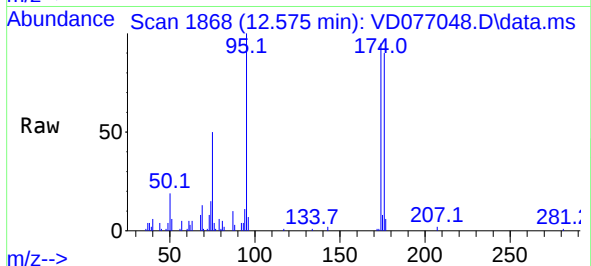




#76
1,2,3-Trichloropropane
Concen: 41.690 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077048.D
Acq: 28 Aug 2023 18:24

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 14891
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.796 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077048.D
Acq: 28 Aug 2023 18:24

Tgt Ion: 75 Resp: 14891
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

