

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082823\
 Data File : VD077051.D
 Acq On : 28 Aug 2023 19:49
 Operator : JC/SY
 Sample : 04196-10
 Misc : 2.90G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 29 02:52:30 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	7.875	168	118048	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	270032	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	299283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	137148	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	76457	65.783	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	131.560%
35) Dibromofluoromethane	7.805	113	97043	53.794	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.580%
50) Toluene-d8	10.269	98	349857	53.607	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	107.220%
62) 4-Bromofluorobenzene	12.569	95	108612	56.446	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	112.900%

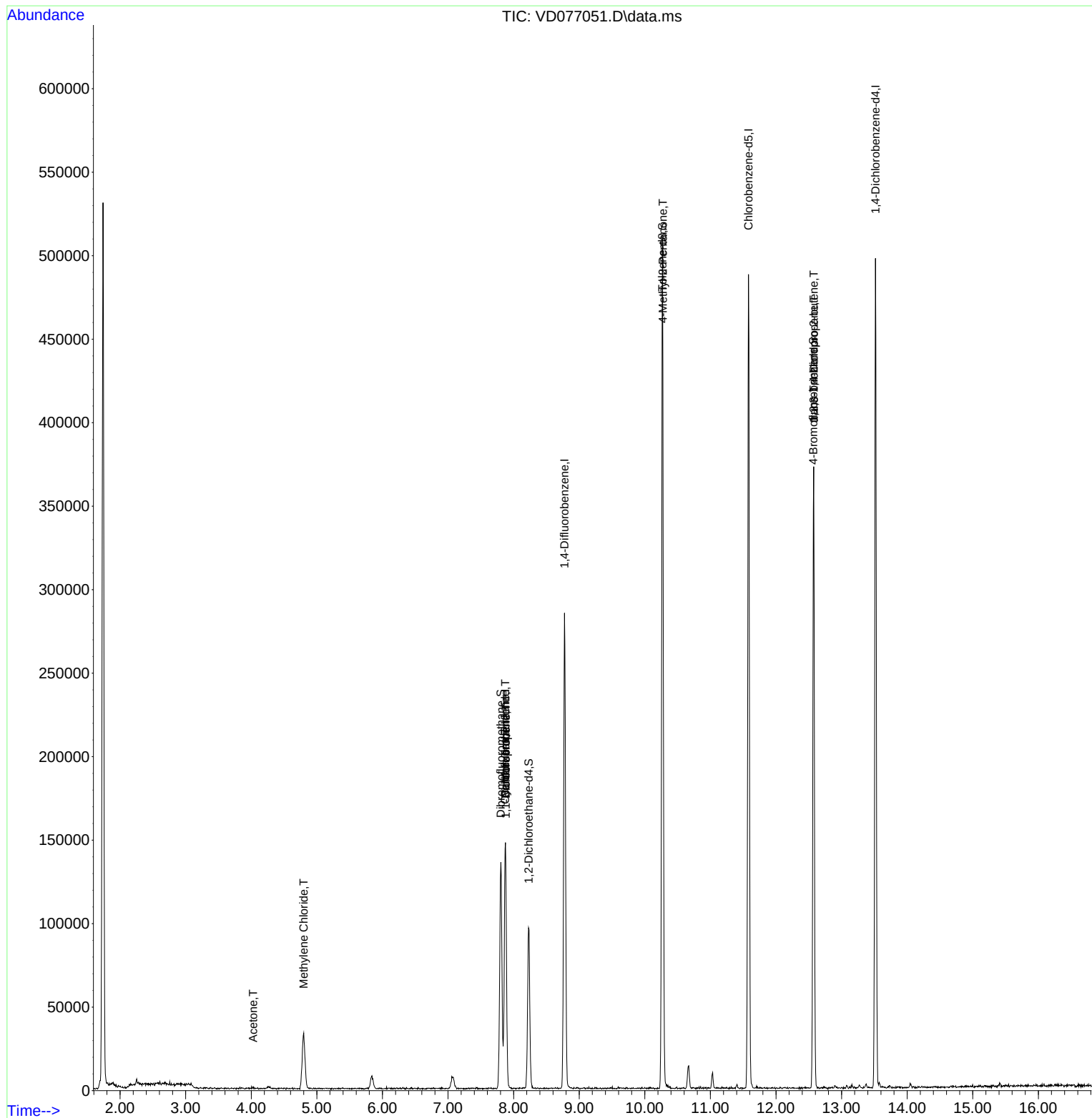
Target Compounds					Qvalue	
3) Chloromethane	2.164	50	403	Below Cal	#	41
16) Acetone	4.028	43	373	1.408	ug/l #	32
20) Methylene Chloride	4.799	84	27280	13.575	ug/l	94
31) Cyclohexane	7.869	56	2356	1.269	ug/l #	42
36) 1,1-Dichloropropene	7.881	75	8553	3.328	ug/l #	49
38) Carbon Tetrachloride	7.875	117	11870	4.568	ug/l #	15
51) 4-Methyl-2-Pentanone	10.275	43	1198	1.322	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	56194	42.480	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	56194	98.631	ug/l #	17

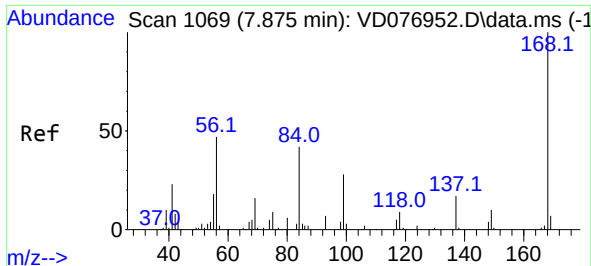
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

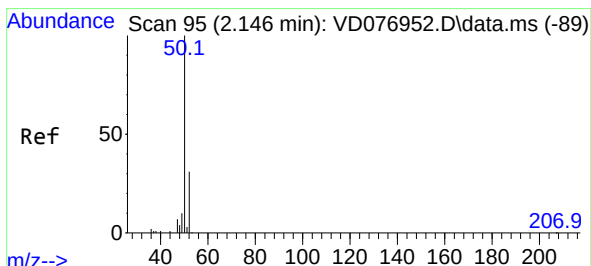
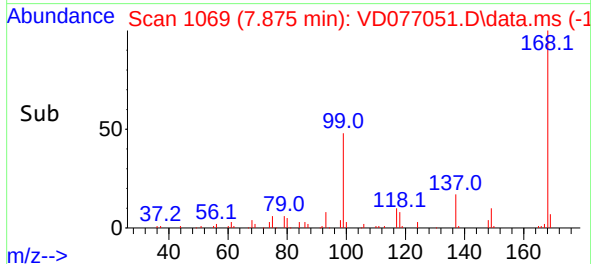
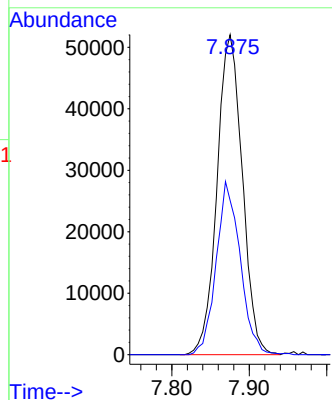
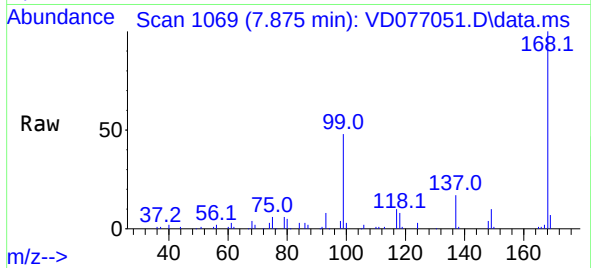




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD077051.D
Acq: 28 Aug 2023 19:49

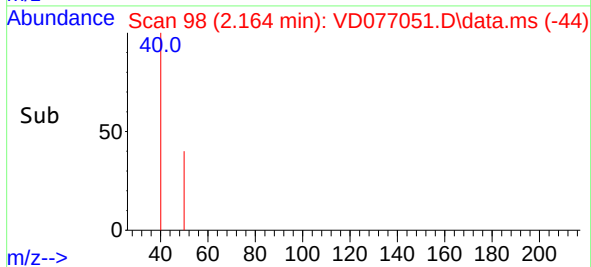
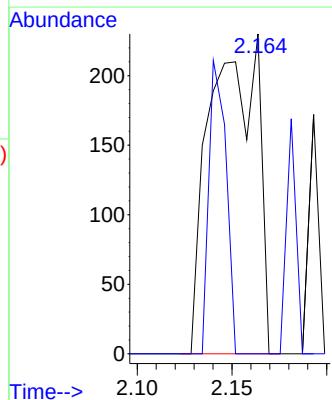
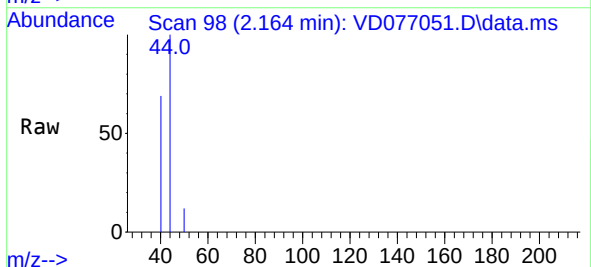
Instrument :
MSVOA_D
ClientSampleId :

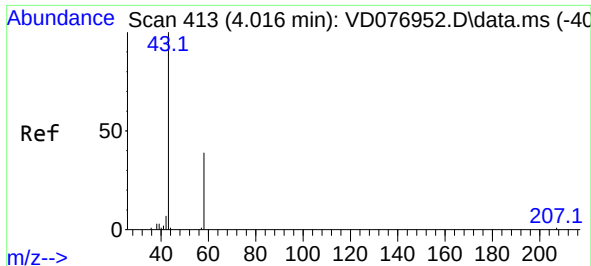
Tgt Ion:168 Resp: 118048
Ion Ratio Lower Upper
168 100
99 48.2 36.7 55.1



#3
Chloromethane
Concen: Below Cal
RT: 2.164 min Scan# 98
Delta R.T. 0.018 min
Lab File: VD077051.D
Acq: 28 Aug 2023 19:49

Tgt Ion: 50 Resp: 403
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

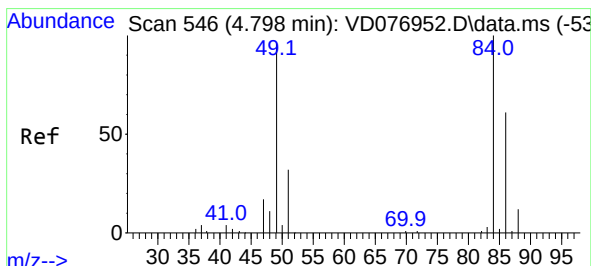
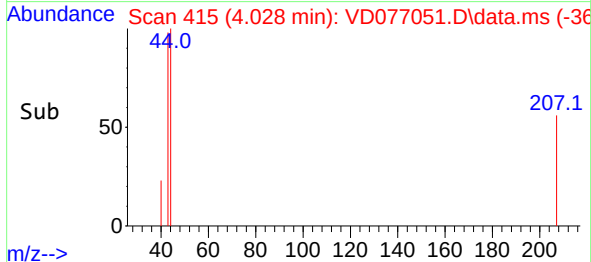
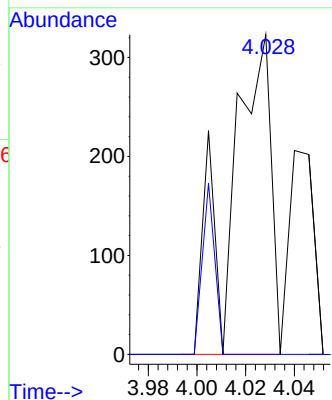
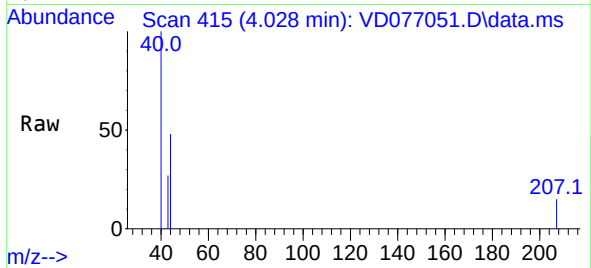




#16
Acetone
Concen: 1.408 ug/l
RT: 4.028 min Scan# 413
Delta R.T. 0.012 min
Lab File: VD077051.D
Acq: 28 Aug 2023 19:49

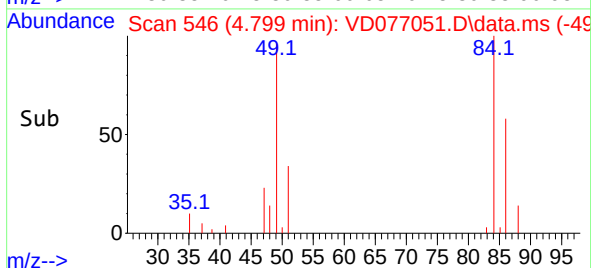
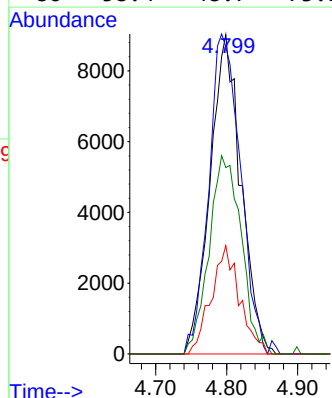
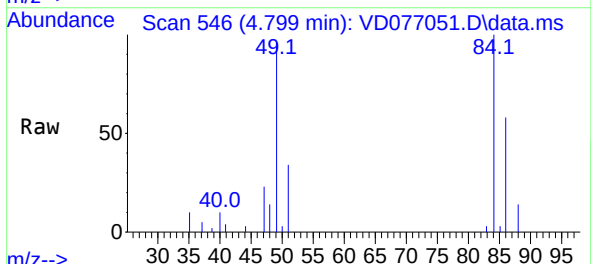
Instrument :
MSVOA_D
ClientSampleId :

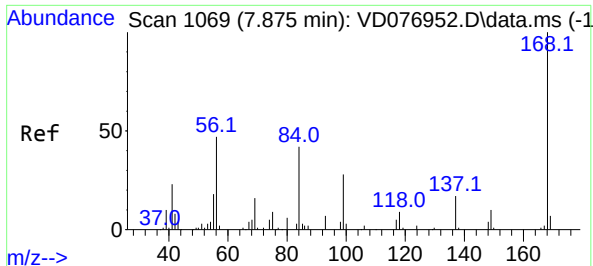
Tgt Ion: 43 Resp: 373
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: 13.575 ug/l
RT: 4.799 min Scan# 546
Delta R.T. 0.001 min
Lab File: VD077051.D
Acq: 28 Aug 2023 19:49

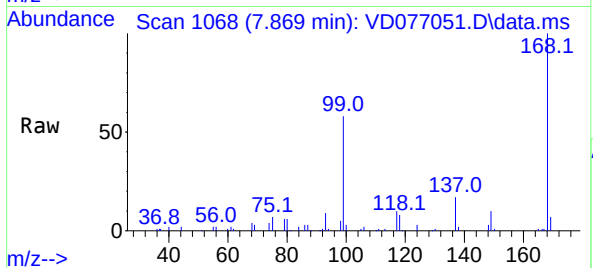
Tgt Ion: 84 Resp: 27280
Ion Ratio Lower Upper
84 100
49 96.2 71.4 107.2
51 33.9 24.5 36.7
86 58.4 48.7 73.1



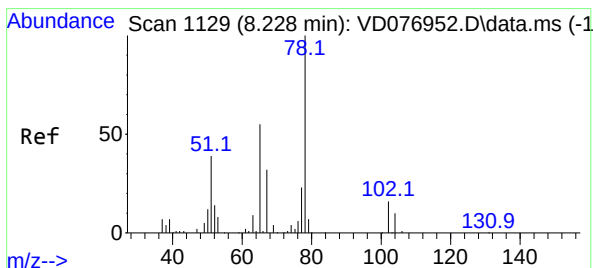
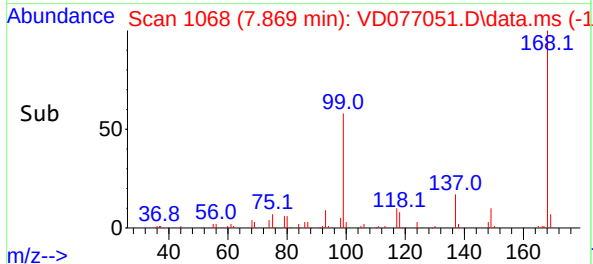
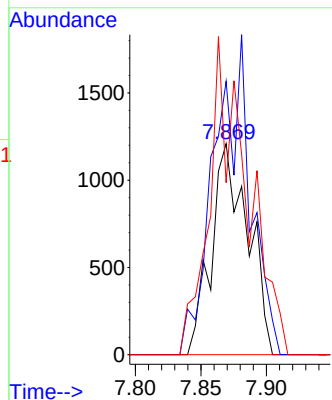


#31
Cyclohexane
Concen: 1.269 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD077051.D
Acq: 28 Aug 2023 19:49

Instrument :
MSVOA_D
ClientSampleId :

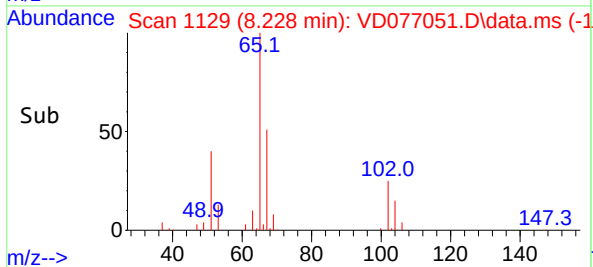
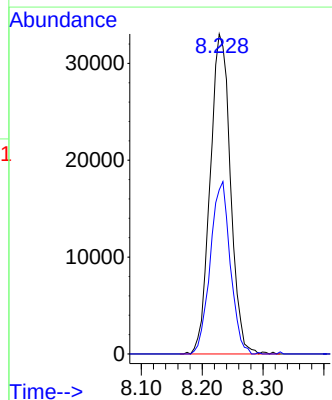
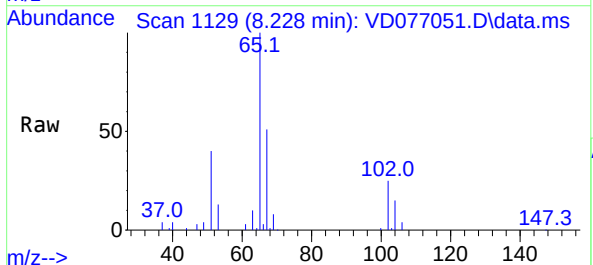


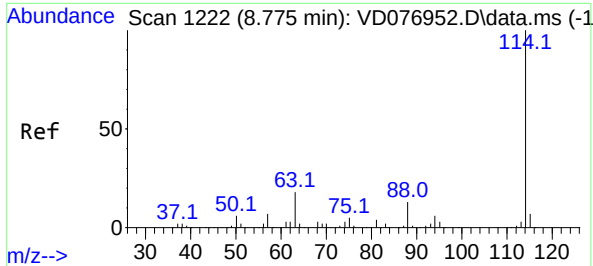
Tgt Ion: 56 Resp: 2356
Ion Ratio Lower Upper
56 100
69 129.5 28.6 43.0#
84 81.5 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 65.783 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD077051.D
Acq: 28 Aug 2023 19:49

Tgt Ion: 65 Resp: 76457
Ion Ratio Lower Upper
65 100
67 52.8 0.0 115.0

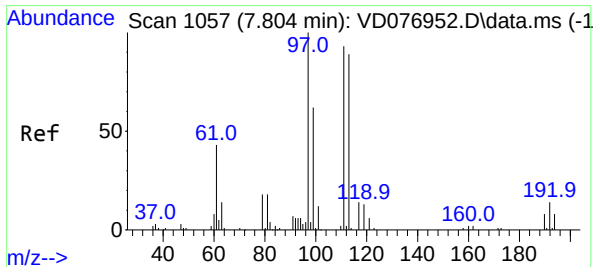
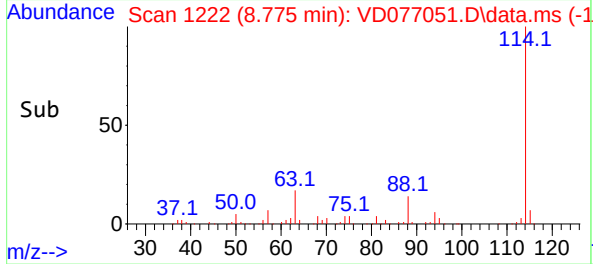
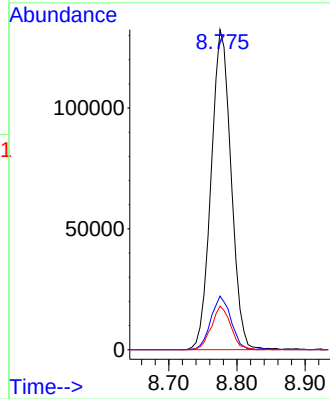
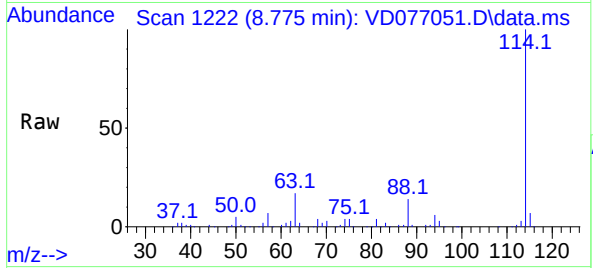




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077051.D
Acq: 28 Aug 2023 19:49

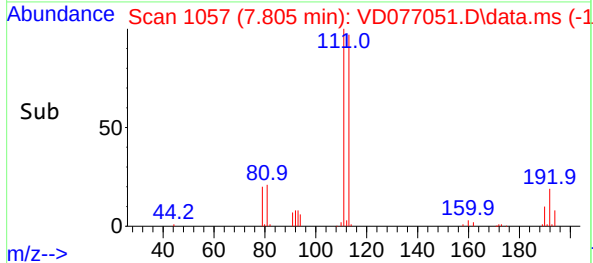
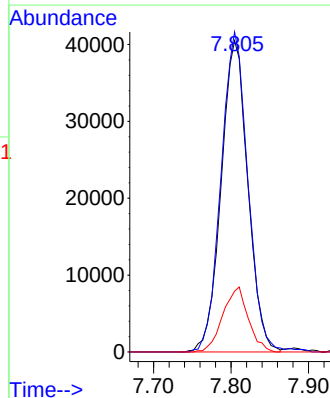
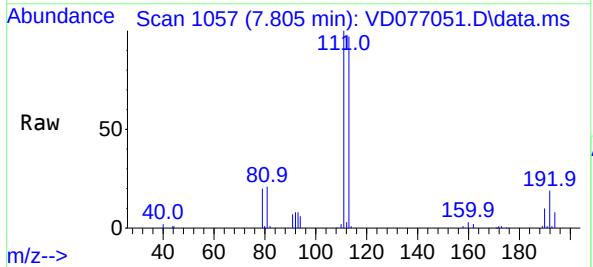
Instrument :
MSVOA_D
ClientSampleId :

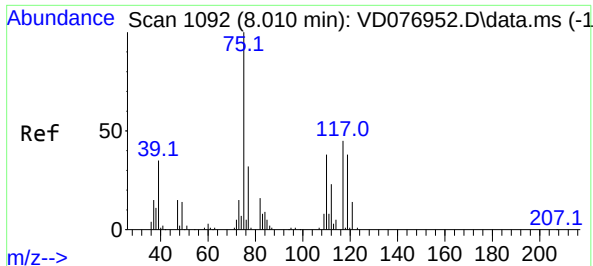
Tgt Ion:114 Resp: 270032
Ion Ratio Lower Upper
114 100
63 16.7 0.0 33.4
88 13.6 0.0 26.2



#35
Dibromofluoromethane
Concen: 53.794 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.001 min
Lab File: VD077051.D
Acq: 28 Aug 2023 19:49

Tgt Ion:113 Resp: 97043
Ion Ratio Lower Upper
113 100
111 103.5 84.7 127.1
192 19.9 16.8 25.2





#36

1,1-Dichloropropene

Concen: 3.328 ug/l

RT: 7.881 min Scan# 10

Delta R.T. -0.129 min

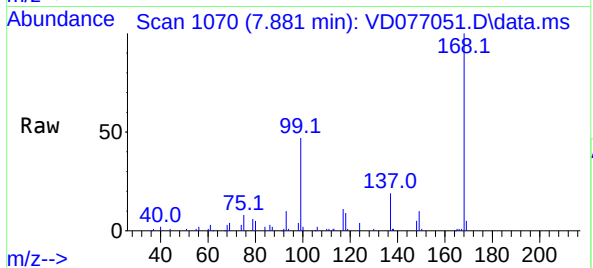
Lab File: VD077051.D

Acq: 28 Aug 2023 19:49

Instrument :

MSVOA_D

ClientSampleId :



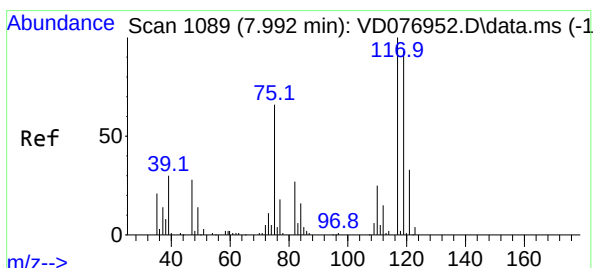
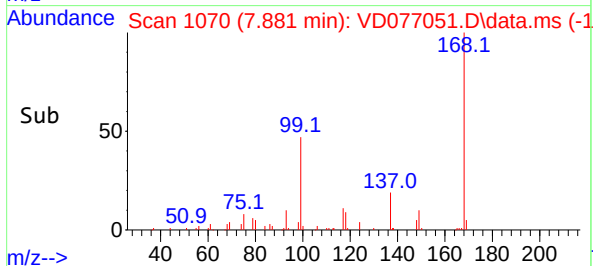
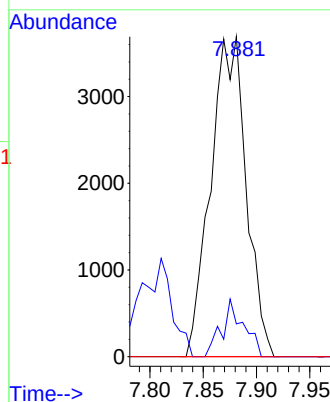
Tgt Ion: 75 Resp: 8553

Ion Ratio Lower Upper

75 100

110 11.1 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.568 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.117 min

Lab File: VD077051.D

Acq: 28 Aug 2023 19:49

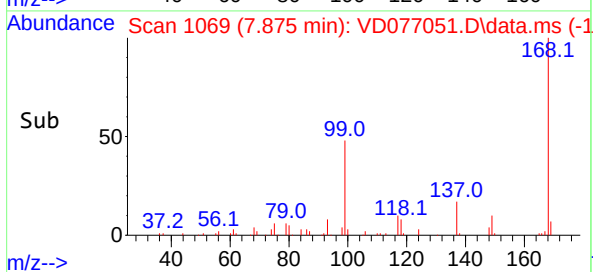
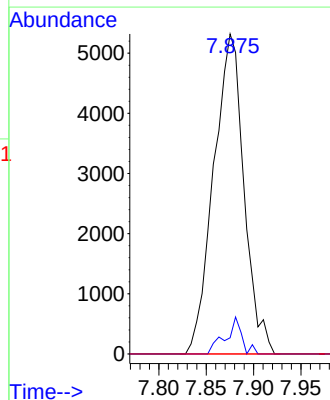
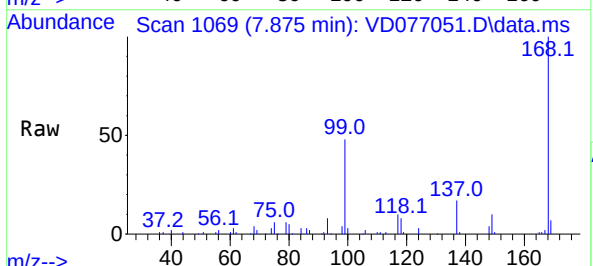
Tgt Ion: 117 Resp: 11870

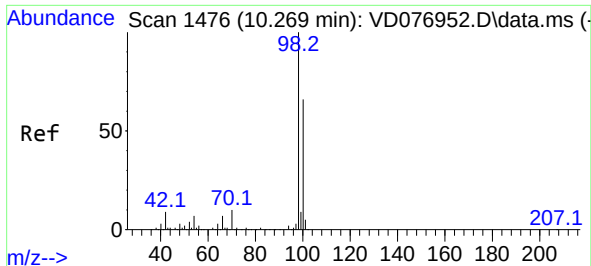
Ion Ratio Lower Upper

117 100

119 5.1 78.0 117.0#

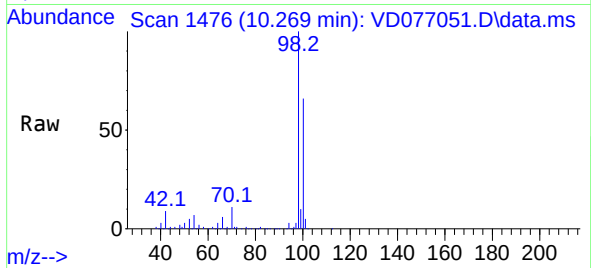
121 0.0 24.2 36.2#



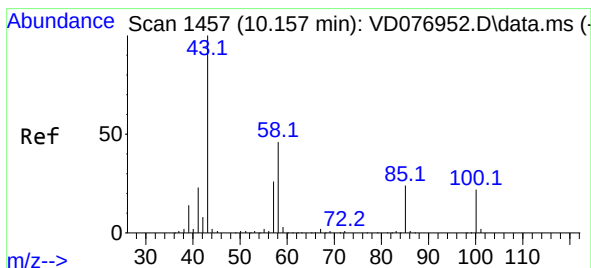
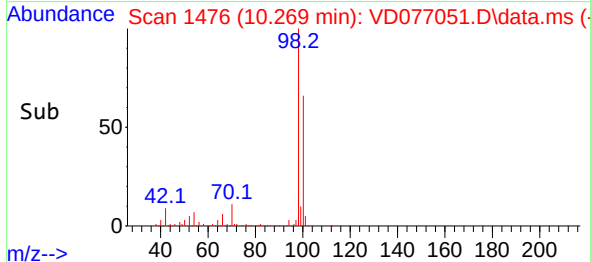
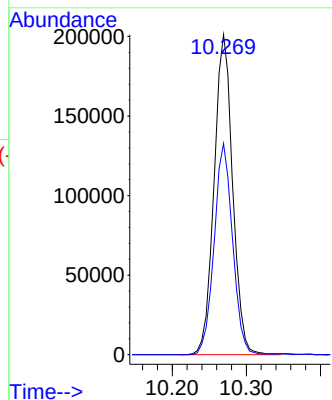


#50
Toluene-d8
Concen: 53.607 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077051.D
Acq: 28 Aug 2023 19:49

Instrument :
MSVOA_D
ClientSampleId :

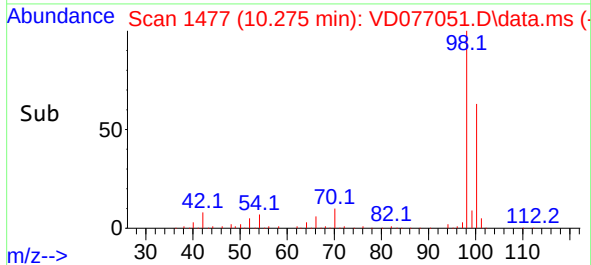
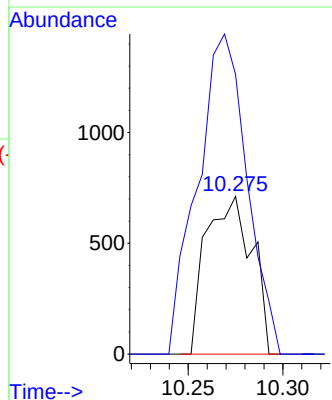
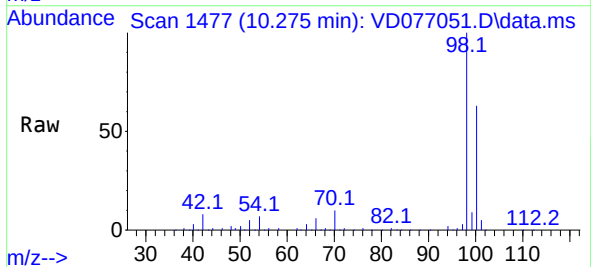


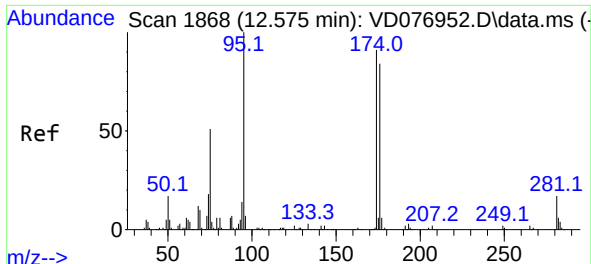
Tgt Ion: 98 Resp: 349857
Ion Ratio Lower Upper
98 100
100 65.5 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.322 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.118 min
Lab File: VD077051.D
Acq: 28 Aug 2023 19:49

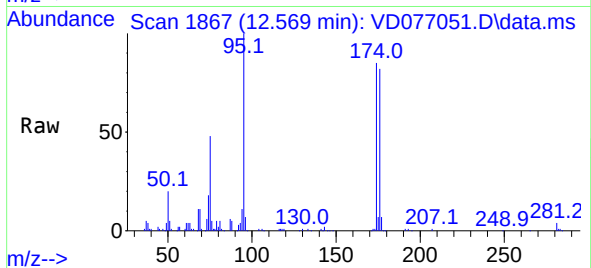
Tgt Ion: 43 Resp: 1198
Ion Ratio Lower Upper
43 100
58 219.4 38.9 58.3#





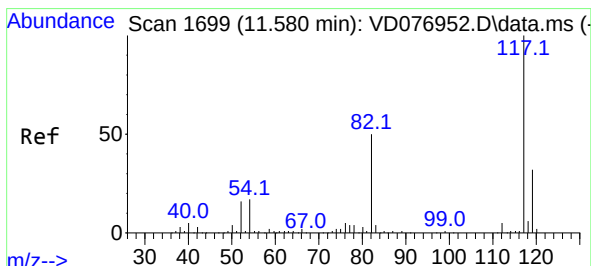
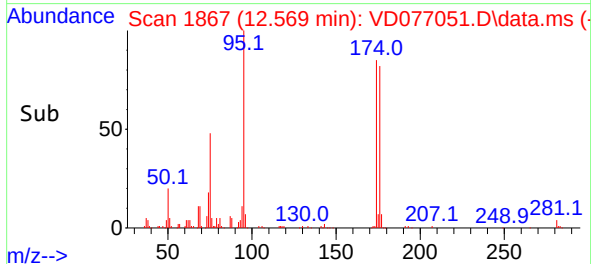
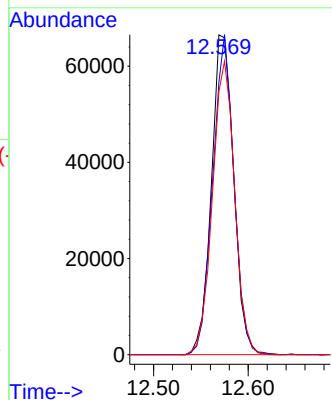
#62
 4-Bromofluorobenzene
 Concen: 56.446 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VD077051.D
 Acq: 28 Aug 2023 19:49

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 95 Resp: 108612

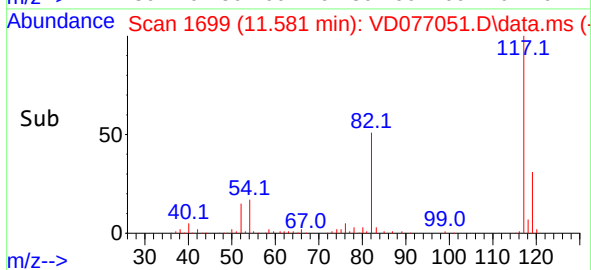
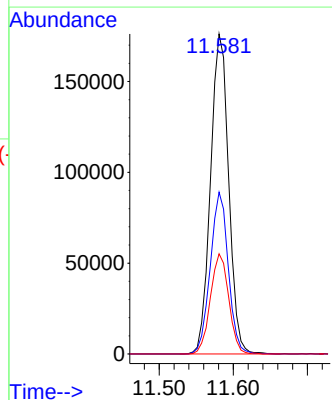
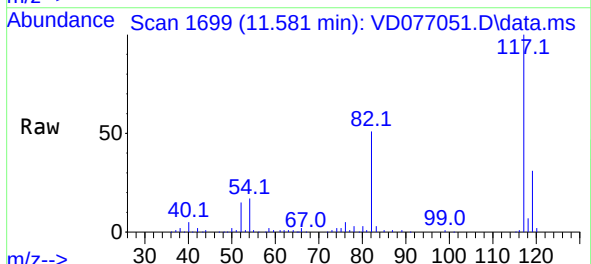
Ion	Ratio	Lower	Upper
95	100		
174	95.3	0.0	201.8
176	91.4	0.0	191.8

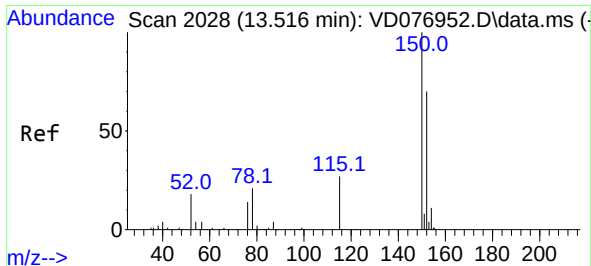


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.581 min Scan# 1699
 Delta R.T. 0.001 min
 Lab File: VD077051.D
 Acq: 28 Aug 2023 19:49

Tgt Ion: 117 Resp: 299283

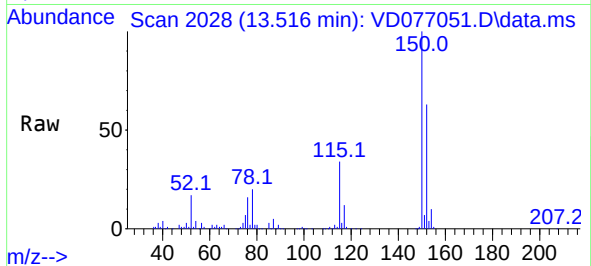
Ion	Ratio	Lower	Upper
117	100		
82	50.6	38.3	57.5
119	31.3	25.0	37.4



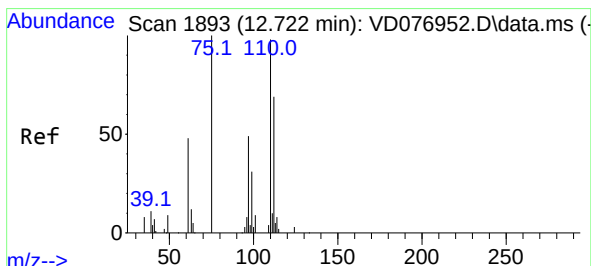
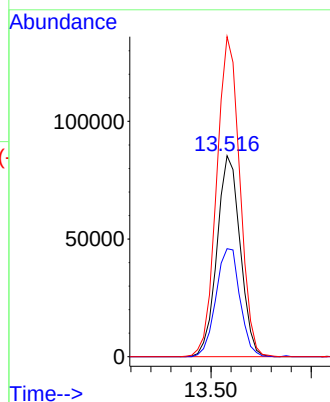
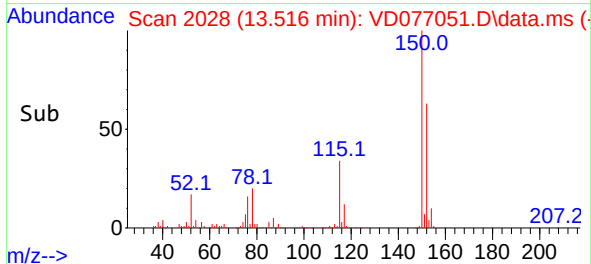


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. 0.000 min
Lab File: VD077051.D
Acq: 28 Aug 2023 19:49

Instrument :
MSVOA_D
ClientSampleId :

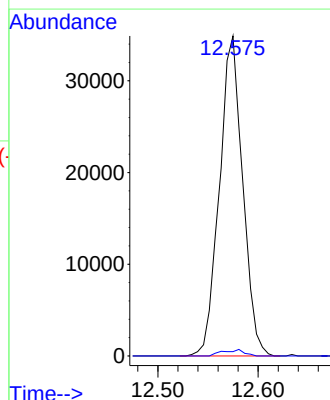
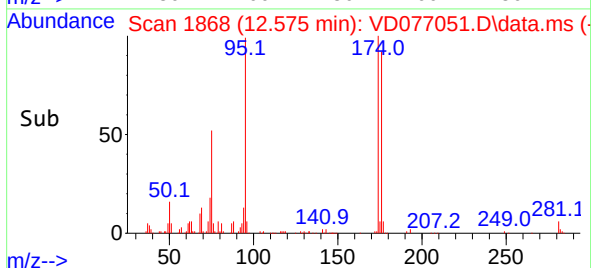
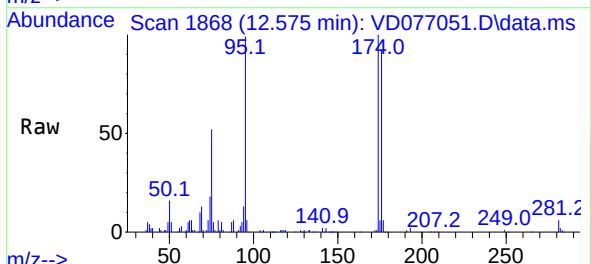


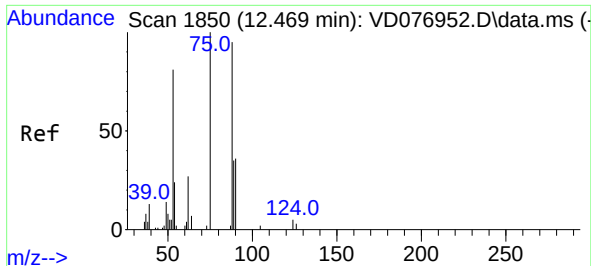
Tgt Ion:152 Resp: 137148
Ion Ratio Lower Upper
152 100
115 55.8 27.1 81.3
150 158.8 0.0 353.6



#76
1,2,3-Trichloropropane
Concen: 42.480 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077051.D
Acq: 28 Aug 2023 19:49

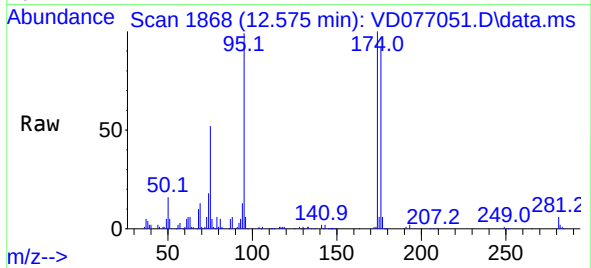
Tgt Ion: 75 Resp: 56194
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.631 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.106 min
 Lab File: VD077051.D
 Acq: 28 Aug 2023 19:49

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	56194
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.0	37.9	56.9#

