

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091823\
 Data File : VD077133.D
 Acq On : 18 Sep 2023 16:49
 Operator : JC/SY
 Sample : 04436-15
 Misc : 5.74G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 19 04:57:47 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)

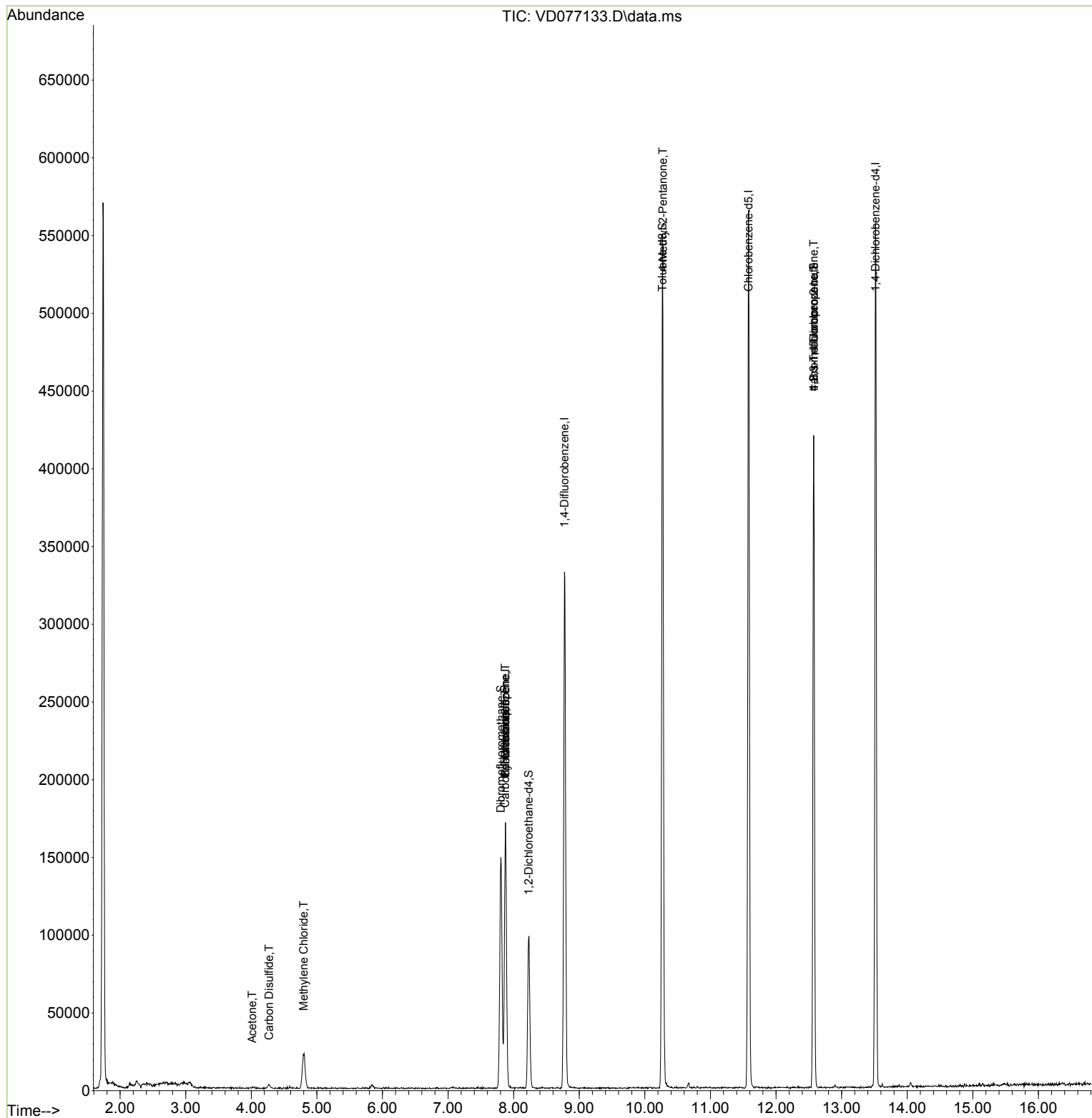
Internal Standards						
1) Pentafluorobenzene	7.875	168	134549	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	309217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	340012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	157288	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	75827	55.842	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.680%	
35) Dibromofluoromethane	7.804	113	109985	51.208	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.420%	
50) Toluene-d8	10.269	98	388330	50.796	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.600%	
62) 4-Bromofluorobenzene	12.575	95	124921	52.720	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.440%	
Target Compounds						
					Qvalue	
16) Acetone	4.016	43	1022	3.293	ug/l #	32
17) Carbon Disulfide	4.269	76	5433	1.054	ug/l	97
20) Methylene Chloride	4.799	84	18380	3.242	ug/l	92
31) Cyclohexane	7.875	56	2561	1.078	ug/l #	44
36) 1,1-Dichloropropene	7.875	75	9969	3.082	ug/l #	48
38) Carbon Tetrachloride	7.869	117	12871	4.049	ug/l #	17
51) 4-Methyl-2-Pentanone	10.275	43	1556	1.302	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	65339	52.078	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	65339	98.573	ug/l #	17

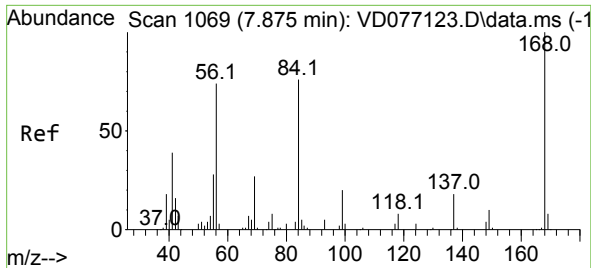
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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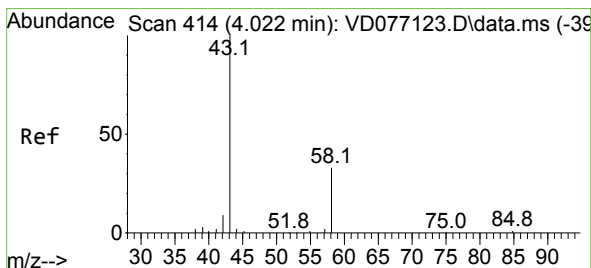
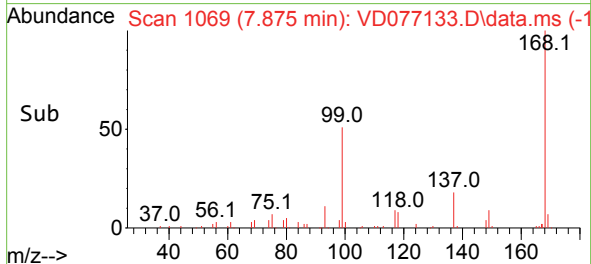
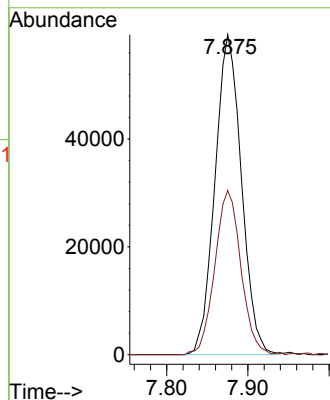
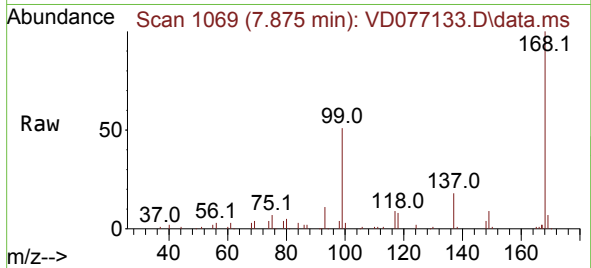




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077133.D
Acq: 18 Sep 2023 16:49

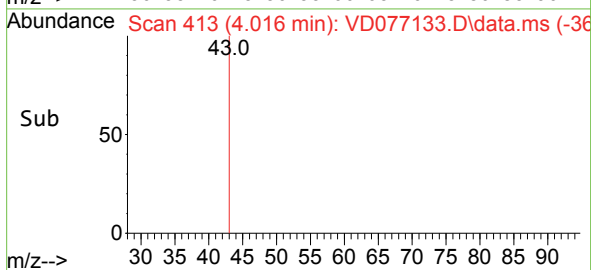
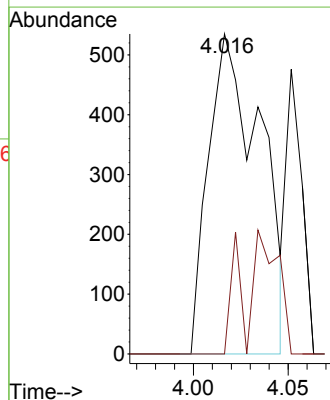
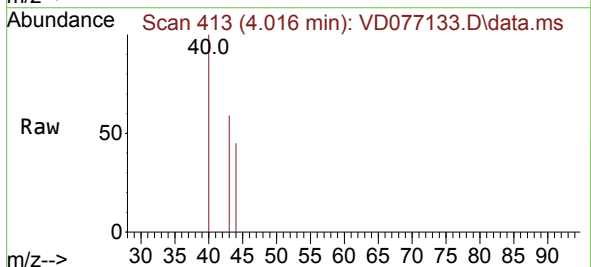
Instrument :
MSVOA_D
ClientSampleId :

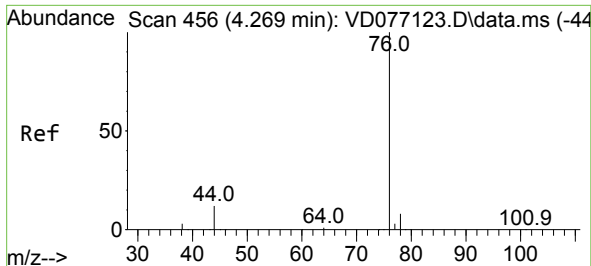
Tgt Ion:168 Resp: 134549
Ion Ratio Lower Upper
168 100
99 51.3 36.7 55.1



#16
Acetone
Concen: 3.293 ug/l
RT: 4.016 min Scan# 413
Delta R.T. -0.006 min
Lab File: VD077133.D
Acq: 18 Sep 2023 16:49

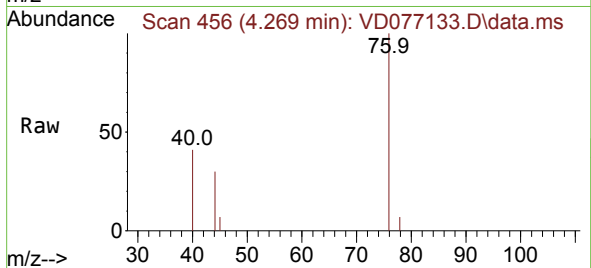
Tgt Ion: 43 Resp: 1022
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



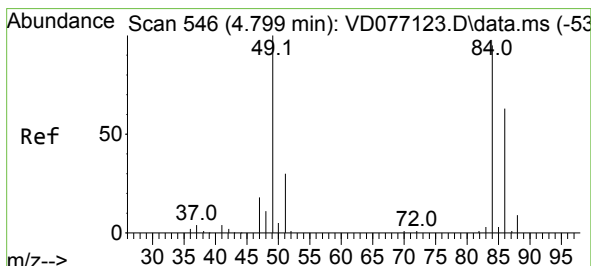
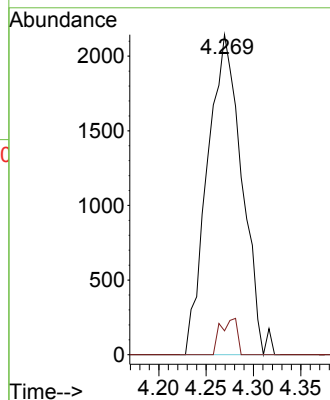
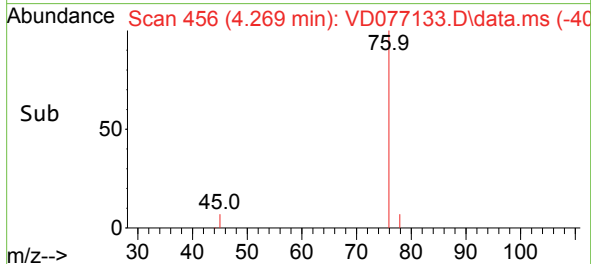


#17
Carbon Disulfide
Concen: 1.054 ug/l
RT: 4.269 min Scan# 456
Delta R.T. 0.000 min
Lab File: VD077133.D
Acq: 18 Sep 2023 16:49

Instrument :
MSVOA_D
ClientSampleId :

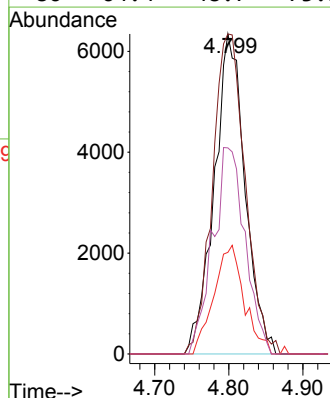
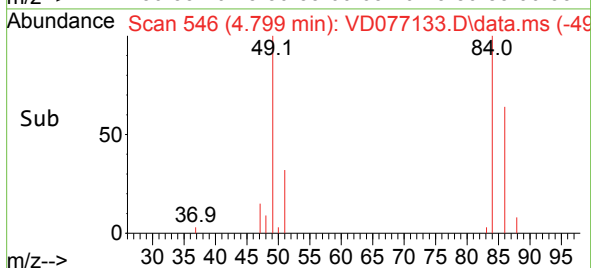
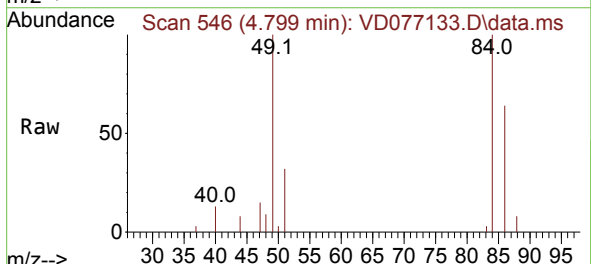


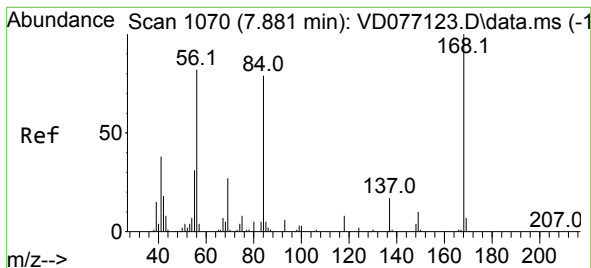
Tgt Ion: 76 Resp: 5433
Ion Ratio Lower Upper
76 100
78 7.5 6.8 10.2



#20
Methylene Chloride
Concen: 3.242 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD077133.D
Acq: 18 Sep 2023 16:49

Tgt Ion: 84 Resp: 18380
Ion Ratio Lower Upper
84 100
49 100.0 71.4 107.2
51 31.8 24.5 36.7
86 64.4 48.7 73.1





#31

Cyclohexane

Concen: 1.078 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

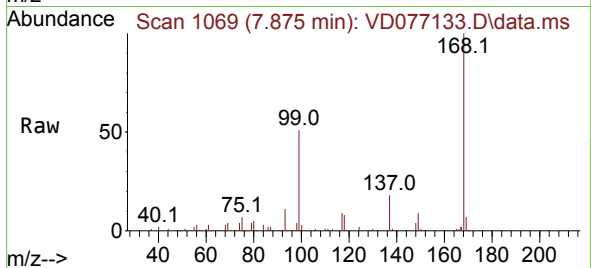
Lab File: VD077133.D

Acq: 18 Sep 2023 16:49

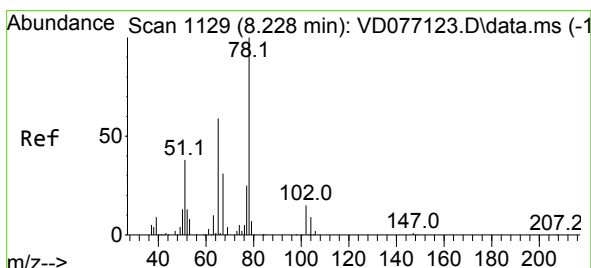
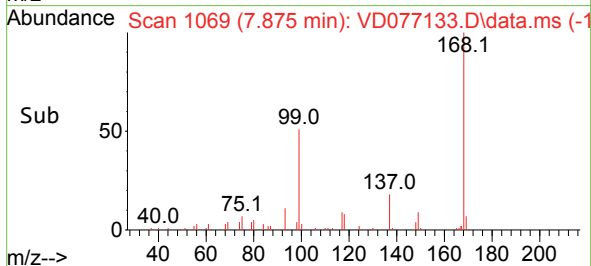
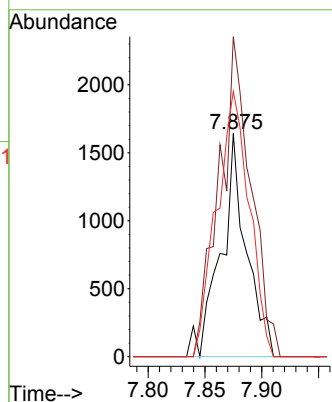
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	56	Resp:	2561
Ion Ratio	Lower	Upper	
56	100		
69	143.3	28.6	43.0#
84	118.8	84.8	127.2



#33

1,2-Dichloroethane-d4

Concen: 55.842 ug/l

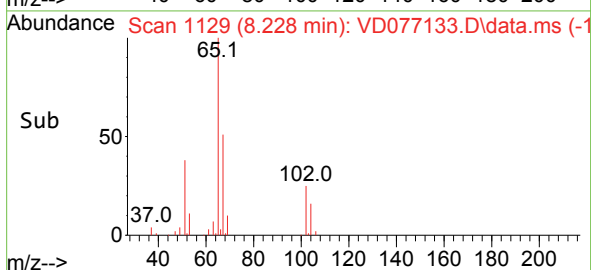
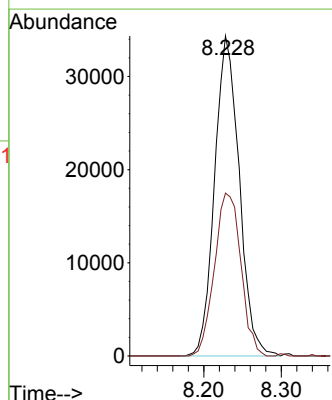
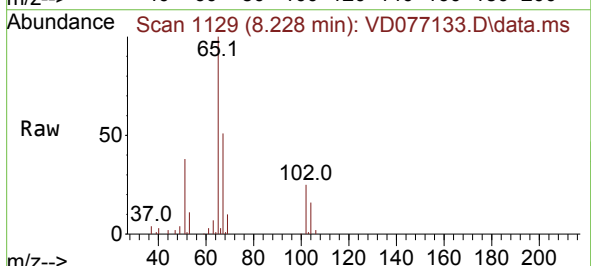
RT: 8.228 min Scan# 1129

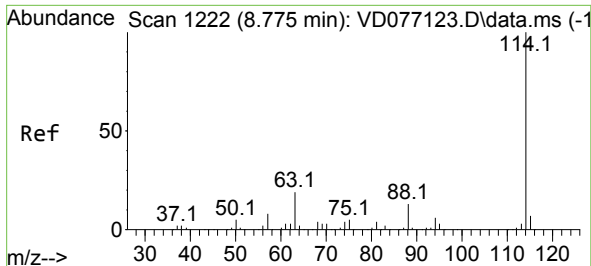
Delta R.T. 0.000 min

Lab File: VD077133.D

Acq: 18 Sep 2023 16:49

Tgt Ion:	65	Resp:	75827
Ion Ratio	Lower	Upper	
65	100		
67	54.5	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: VD077133.D

Acq: 18 Sep 2023 16:49

Instrument :

MSVOA_D

ClientSampleId :

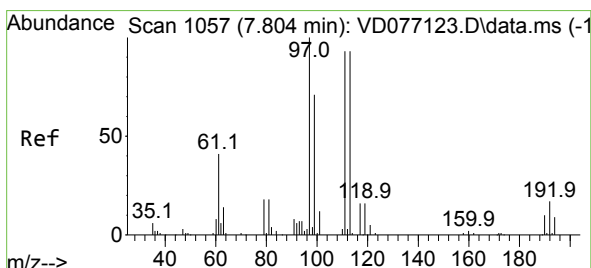
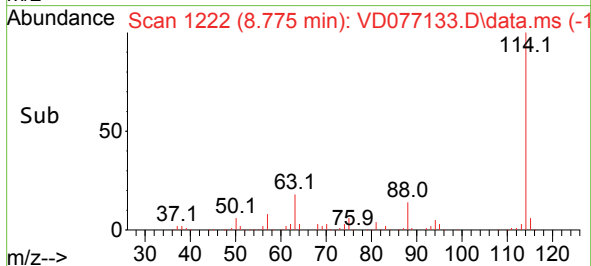
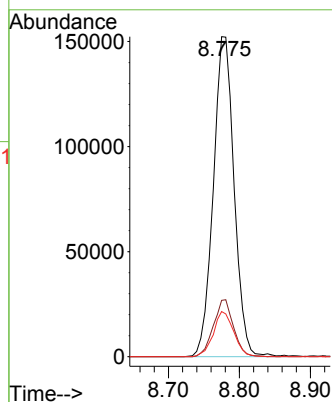
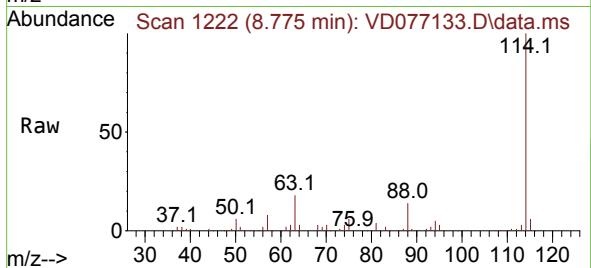
Tgt Ion:114 Resp: 309217

Ion Ratio Lower Upper

114 100

63 17.6 0.0 33.4

88 14.1 0.0 26.2



#35

Dibromofluoromethane

Concen: 51.208 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077133.D

Acq: 18 Sep 2023 16:49

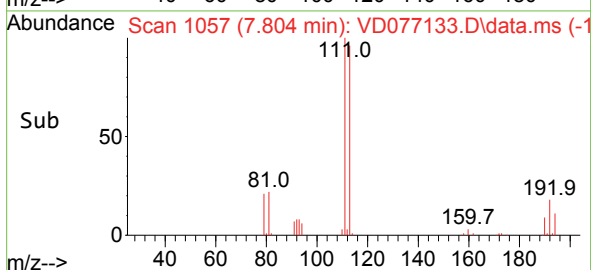
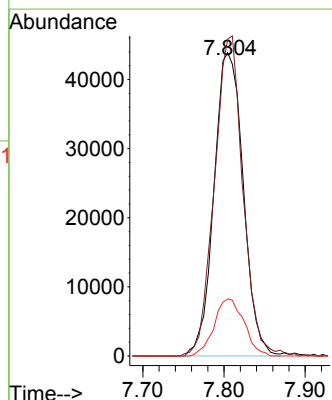
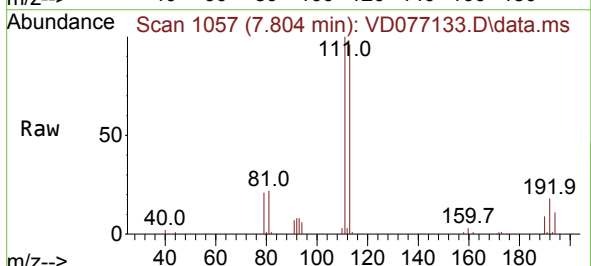
Tgt Ion:113 Resp: 109985

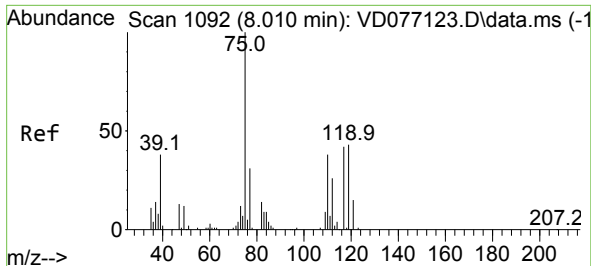
Ion Ratio Lower Upper

113 100

111 102.6 84.7 127.1

192 19.2 16.8 25.2





#36

1,1-Dichloropropene

Concen: 3.082 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

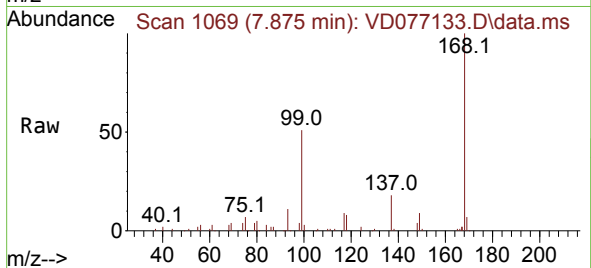
Lab File: VD077133.D

Acq: 18 Sep 2023 16:49

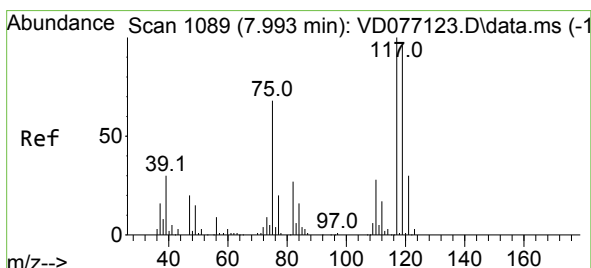
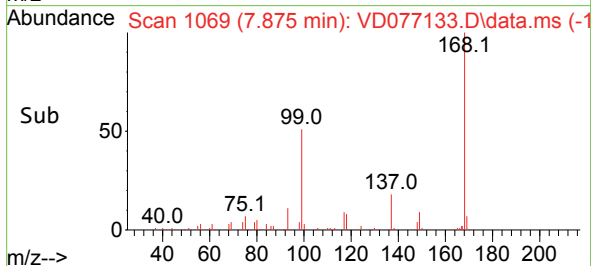
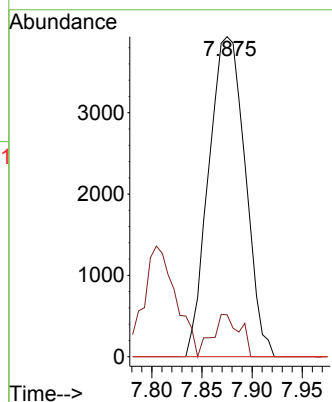
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 9969
Ion Ratio	Lower Upper
75	100
110	9.9 19.9 59.6#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.049 ug/l

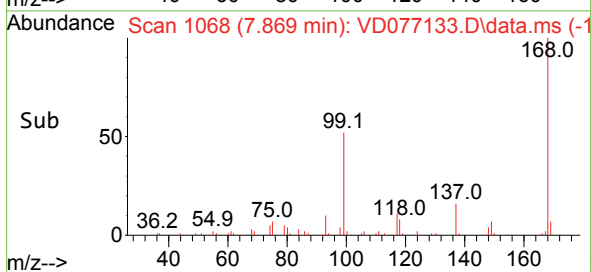
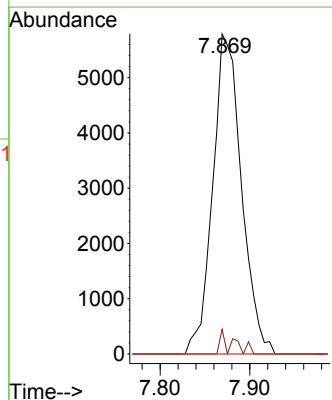
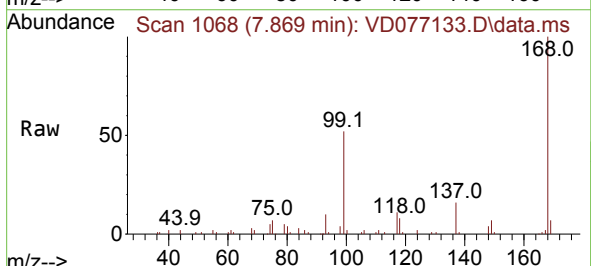
RT: 7.869 min Scan# 1068

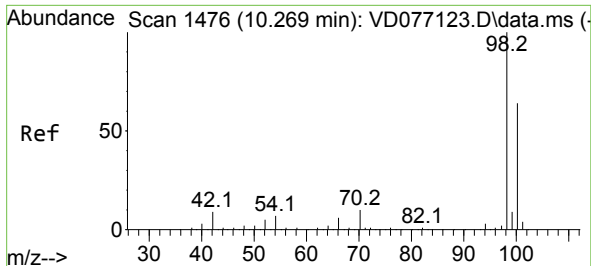
Delta R.T. -0.123 min

Lab File: VD077133.D

Acq: 18 Sep 2023 16:49

Tgt Ion: 117	Resp: 12871
Ion Ratio	Lower Upper
117	100
119	7.7 78.0 117.0#
121	0.0 24.2 36.2#

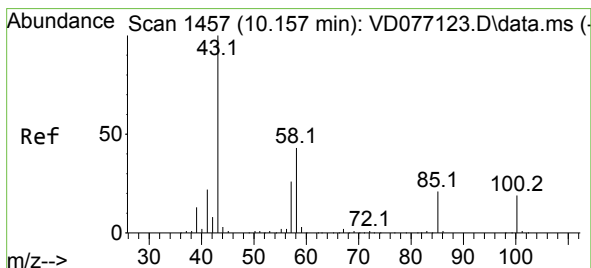
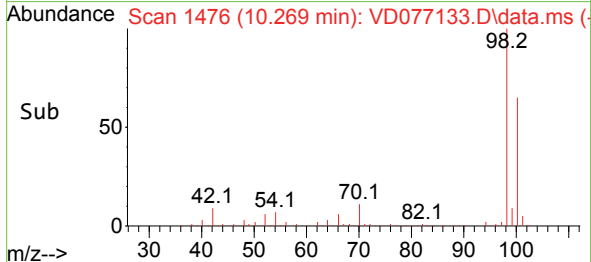
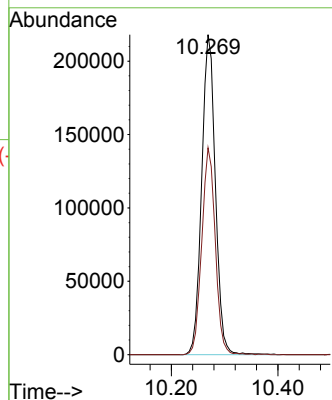
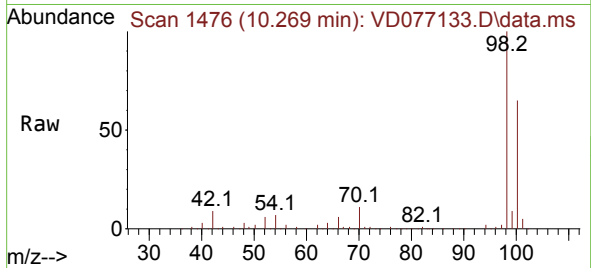




#50
Toluene-d8
Concen: 50.796 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077133.D
Acq: 18 Sep 2023 16:49

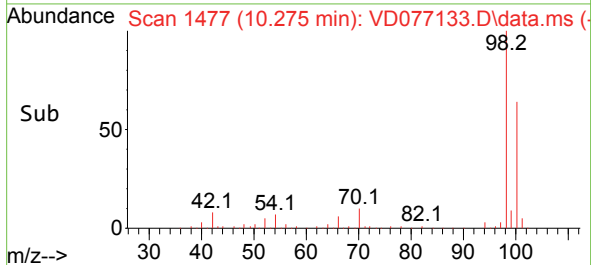
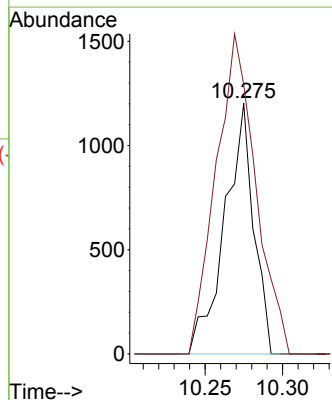
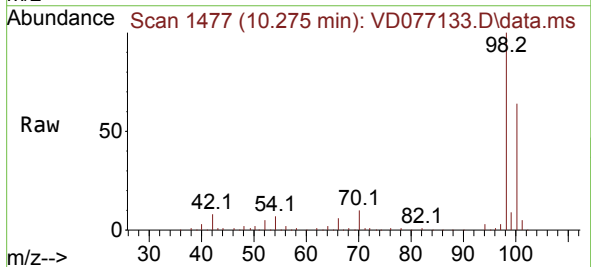
Instrument :
MSVOA_D
ClientSampleId :

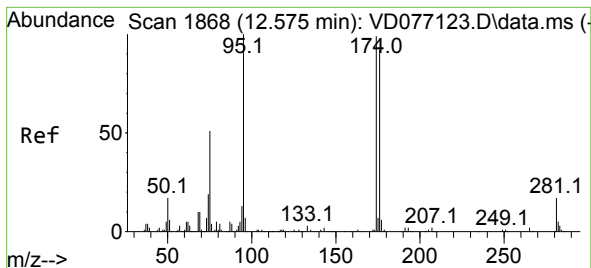
Tgt Ion: 98 Resp: 388330
Ion Ratio Lower Upper
98 100
100 63.9 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.302 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.118 min
Lab File: VD077133.D
Acq: 18 Sep 2023 16:49

Tgt Ion: 43 Resp: 1556
Ion Ratio Lower Upper
43 100
58 175.4 38.9 58.3#

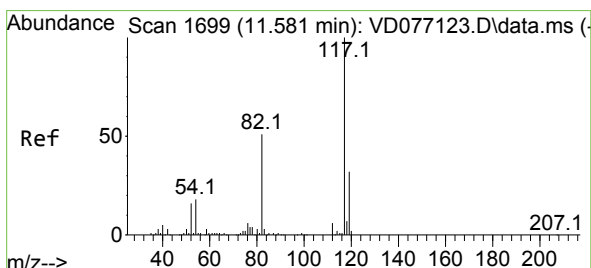
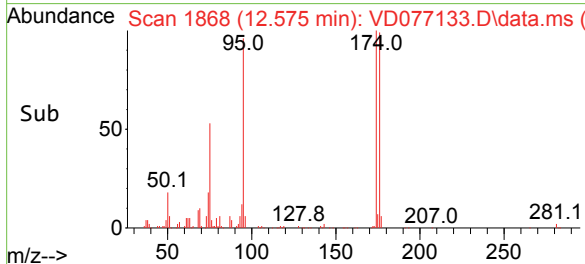
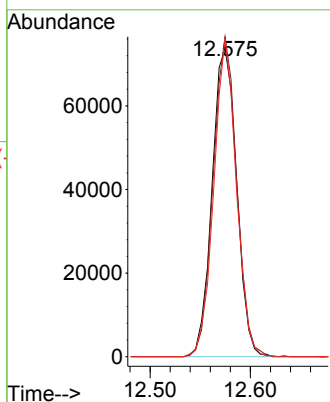
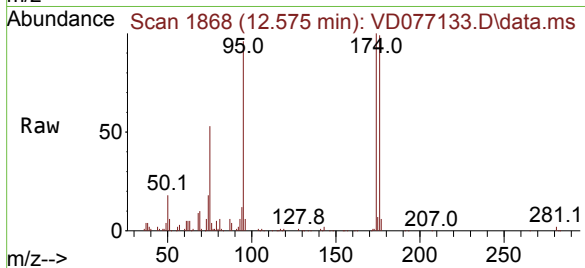




#62
4-Bromofluorobenzene
Concen: 52.720 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077133.D
Acq: 18 Sep 2023 16:49

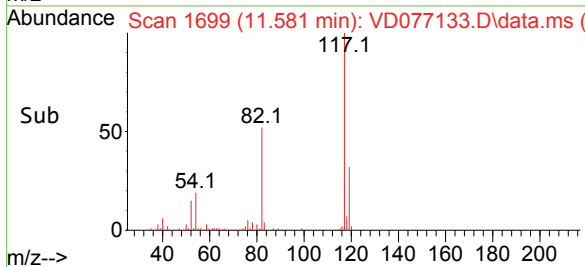
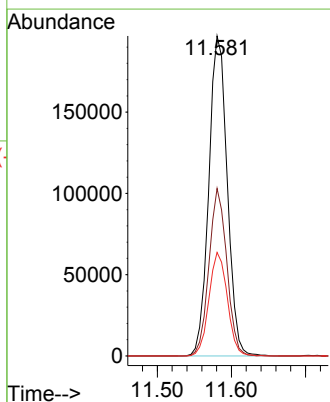
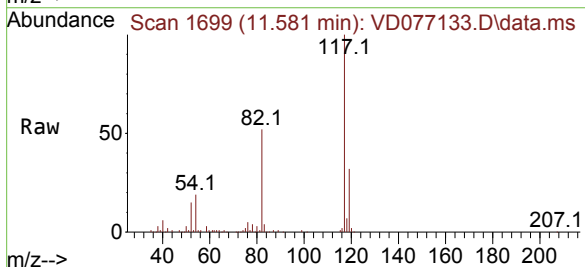
Instrument :
MSVOA_D
ClientSampleId :

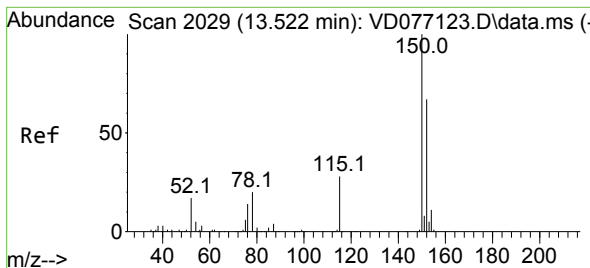
Tgt Ion: 95 Resp: 124921
Ion Ratio Lower Upper
95 100
174 99.8 0.0 201.8
176 94.9 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077133.D
Acq: 18 Sep 2023 16:49

Tgt Ion: 117 Resp: 340012
Ion Ratio Lower Upper
117 100
82 52.3 38.3 57.5
119 32.3 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. -0.006 min

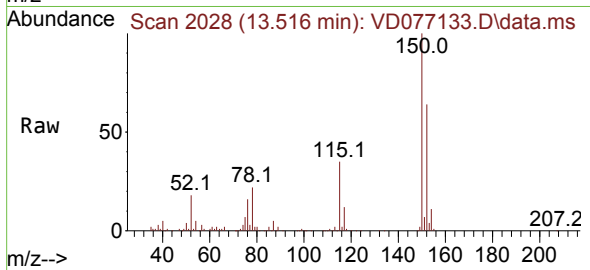
Lab File: VD077133.D

Acq: 18 Sep 2023 16:49

Instrument :

MSVOA_D

ClientSampleId :



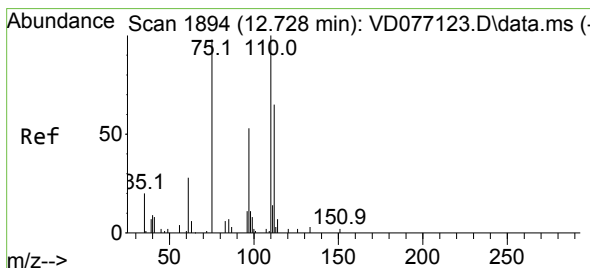
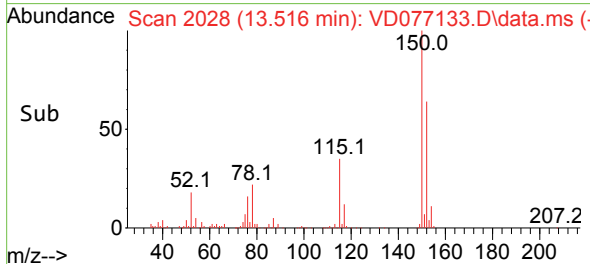
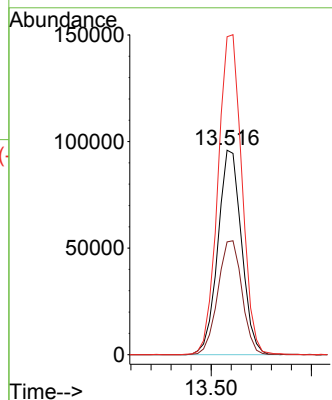
Tgt Ion:152 Resp: 157288

Ion Ratio Lower Upper

152 100

115 56.8 27.1 81.3

150 158.0 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 52.078 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD077133.D

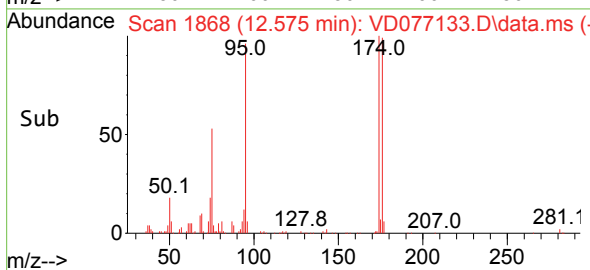
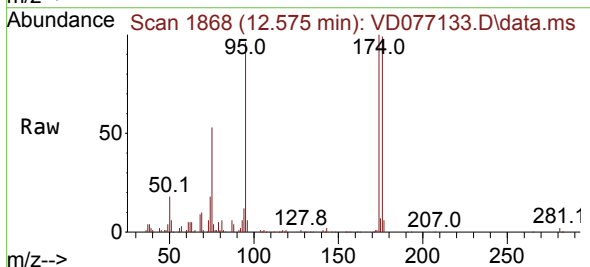
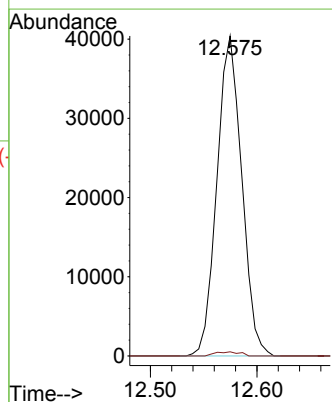
Acq: 18 Sep 2023 16:49

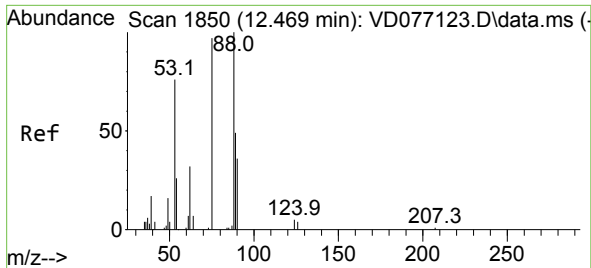
Tgt Ion: 75 Resp: 65339

Ion Ratio Lower Upper

75 100

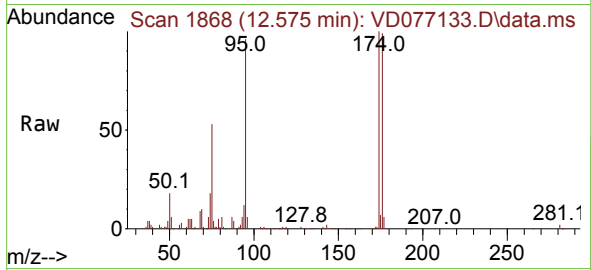
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.573 ug/l
 RT: 12.575 min Scan# 1850
 Delta R.T. 0.106 min
 Lab File: VD077133.D
 Acq: 18 Sep 2023 16:49

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 65339
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.0 94.4#
 89 0.1 37.9 56.9#

