

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052223\
 Data File : VD076175.D
 Acq On : 22 May 2023 14:52
 Operator : KP/SY
 Sample : 02847-01RE
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-051823RE

Quant Time: May 23 01:25:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

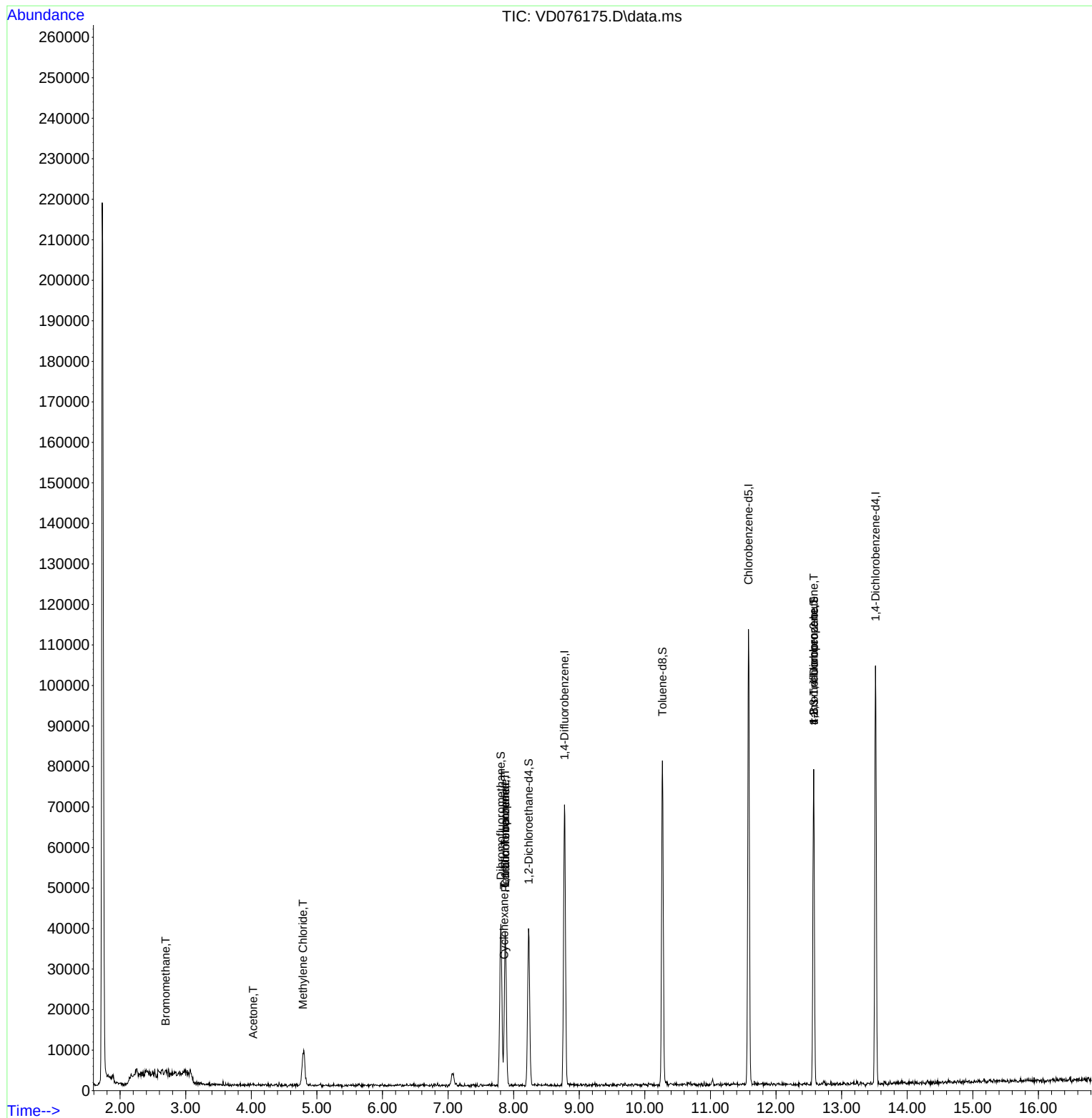
Internal Standards						
1) Pentafluorobenzene	7.875	168	31380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	67356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	71973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	30400	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	29840	98.391	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 196.780%#	
35) Dibromofluoromethane	7.804	113	29657	63.699	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 127.400%	
50) Toluene-d8	10.269	98	60992	33.606	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 67.220%	
62) 4-Bromofluorobenzene	12.575	95	24389	48.375	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.760%	
Target Compounds						Qvalue
3) Chloromethane	2.146	50	61	Below Cal	#	40
5) Bromomethane	2.693	94	498	1.212	ug/l	99
16) Acetone	4.028	43	126	2.088	ug/l #	44
20) Methylene Chloride	4.787	84	7418	7.879	ug/l #	72
31) Cyclohexane	7.857	56	748	1.610	ug/l #	62
36) 1,1-Dichloropropene	7.869	75	2420	3.849	ug/l #	42
38) Carbon Tetrachloride	7.869	117	3341	5.882	ug/l #	13
76) 1,2,3-Trichloropropane	12.575	75	12196	45.845	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	12196	96.176	ug/l #	5

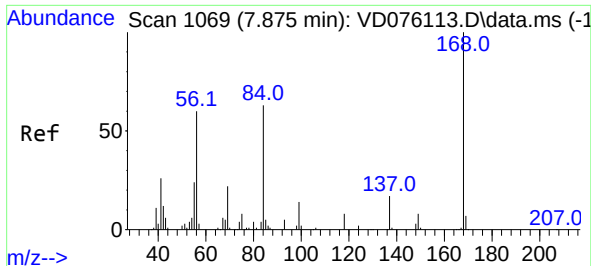
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

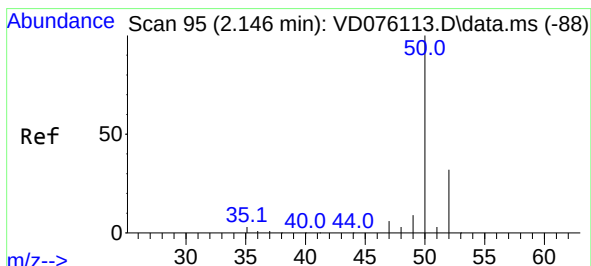
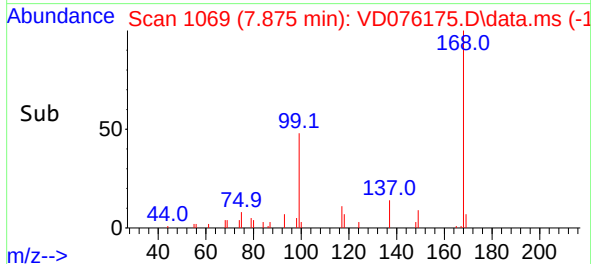
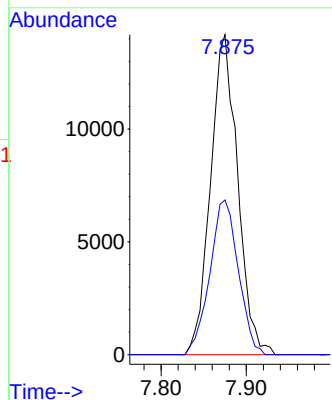
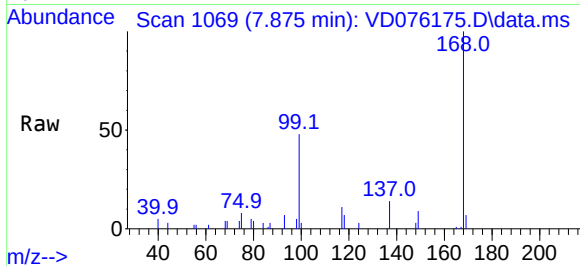




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD076175.D
Acq: 22 May 2023 14:52

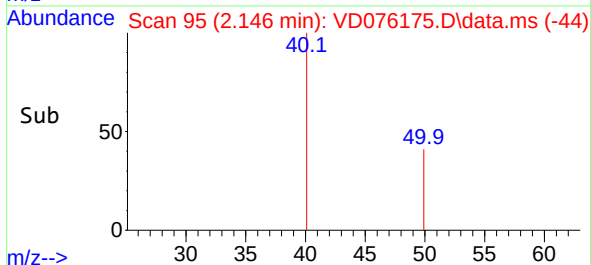
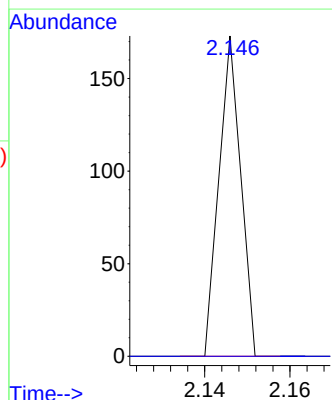
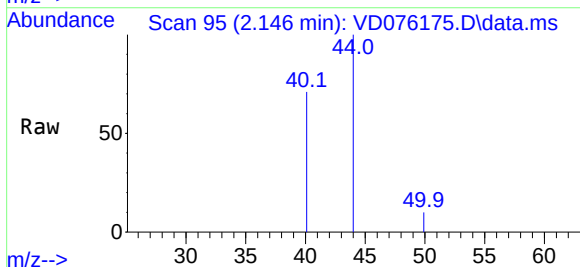
Instrument :
MSVOA_D
ClientSampleId :
TR-04-051823RE

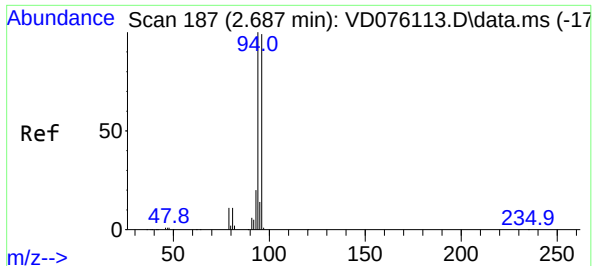
Tgt Ion:168 Resp: 31380
Ion Ratio Lower Upper
168 100
99 48.3 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD076175.D
Acq: 22 May 2023 14:52

Tgt Ion: 50 Resp: 61
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

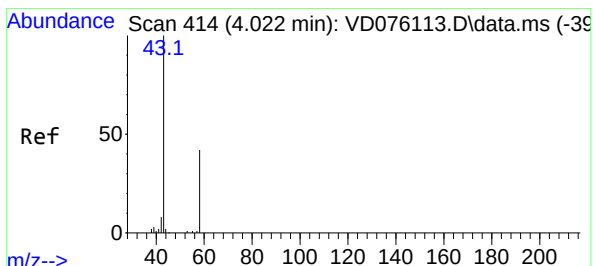
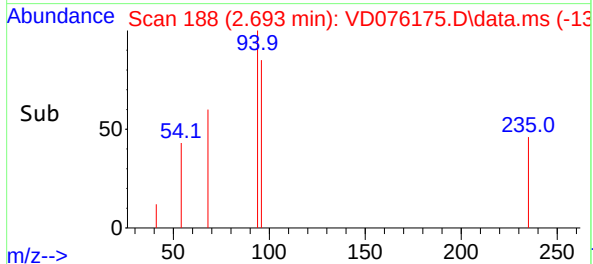
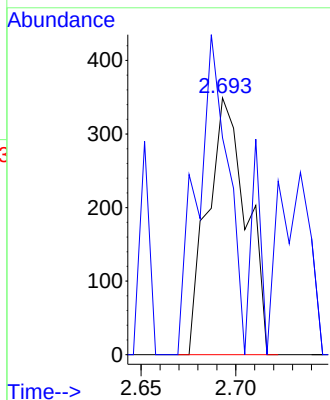
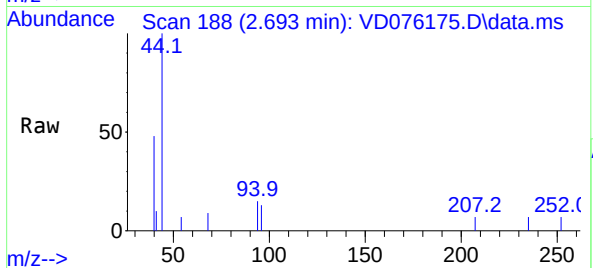




#5
Bromomethane
Concen: 1.212 ug/l
RT: 2.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD076175.D
Acq: 22 May 2023 14:52

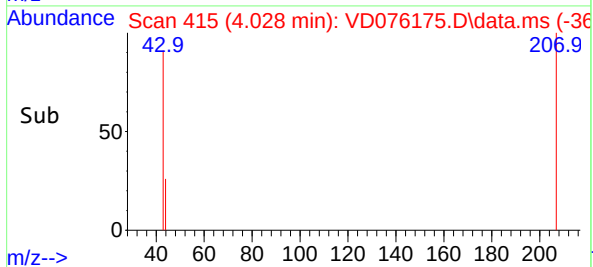
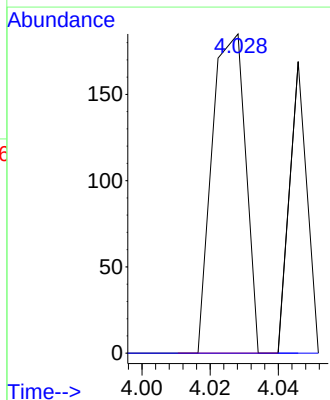
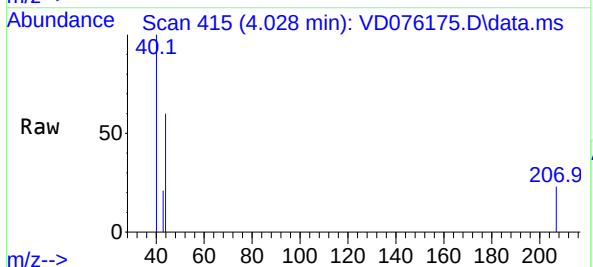
Instrument :
MSVOA_D
ClientSampleId :
TR-04-051823RE

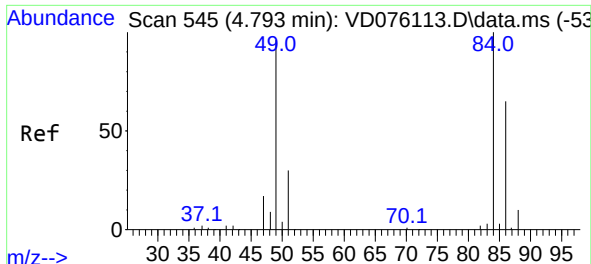
Tgt Ion: 94 Resp: 498
Ion Ratio Lower Upper
94 100
96 98.2 77.5 116.3



#16
Acetone
Concen: 2.088 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD076175.D
Acq: 22 May 2023 14:52

Tgt Ion: 43 Resp: 126
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



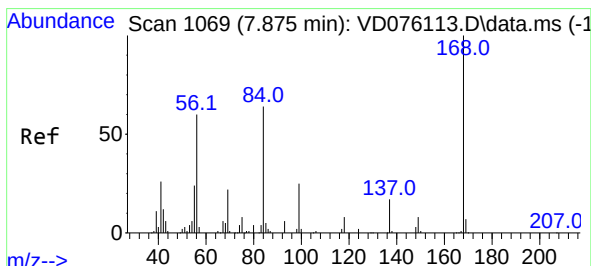
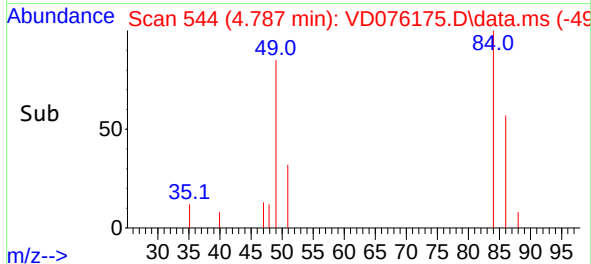
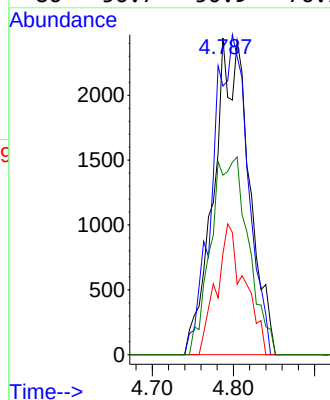
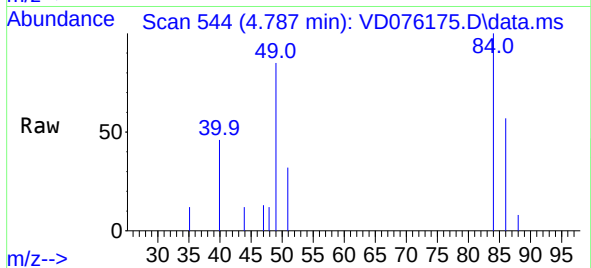


#20
Methylene Chloride
Concen: 7.879 ug/l
RT: 4.787 min Scan# 544
Delta R.T. -0.012 min
Lab File: VD076175.D
Acq: 22 May 2023 14:52

Instrument :
MSVOA_D
ClientSampleId :
TR-04-051823RE

Tgt Ion: 84 Resp: 7418

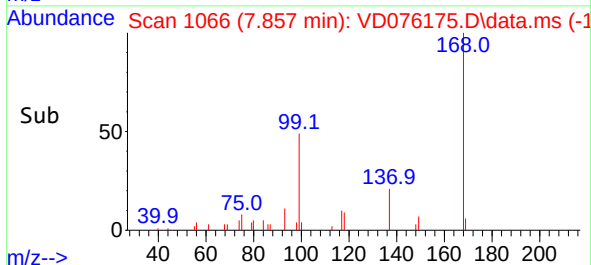
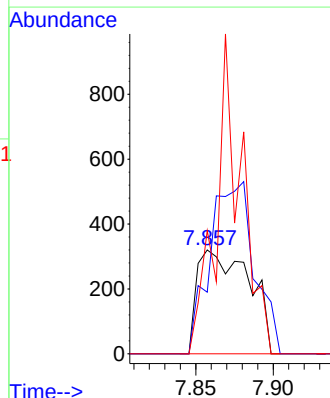
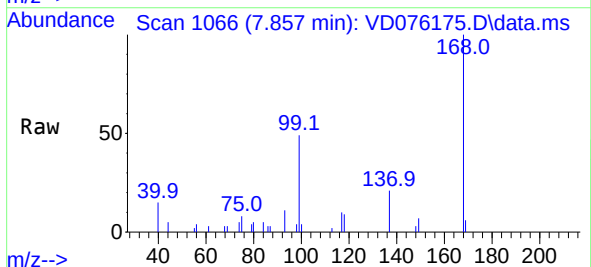
Ion	Ratio	Lower	Upper
84	100		
49	84.8	106.4	159.6#
51	31.9	32.4	48.6#
86	56.7	50.9	76.3

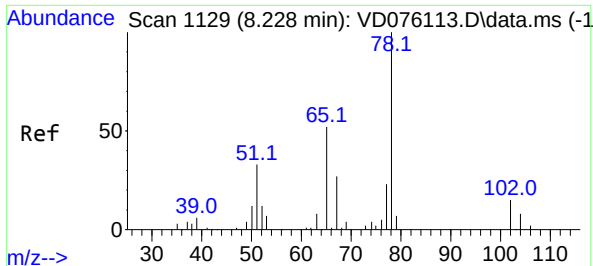


#31
Cyclohexane
Concen: 1.610 ug/l
RT: 7.857 min Scan# 1066
Delta R.T. -0.018 min
Lab File: VD076175.D
Acq: 22 May 2023 14:52

Tgt Ion: 56 Resp: 748

Ion	Ratio	Lower	Upper
56	100		
69	59.4	25.5	38.3#
84	118.8	69.6	104.4#

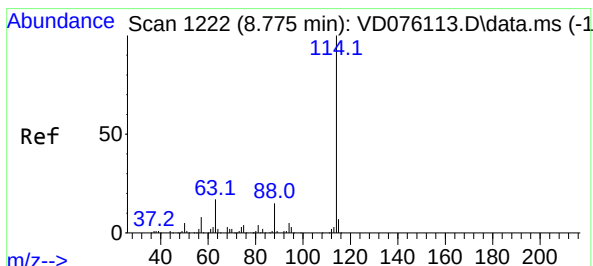
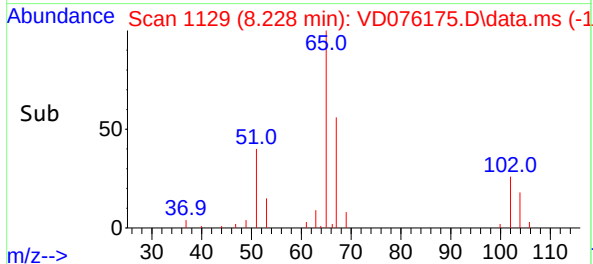
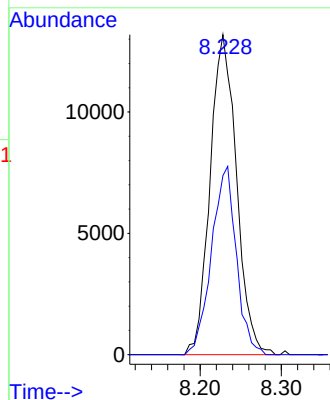
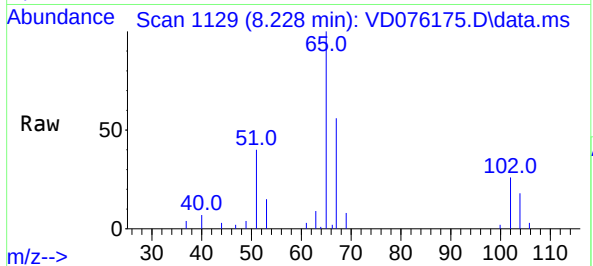




#33
1,2-Dichloroethane-d4
Concen: 98.391 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076175.D
Acq: 22 May 2023 14:52

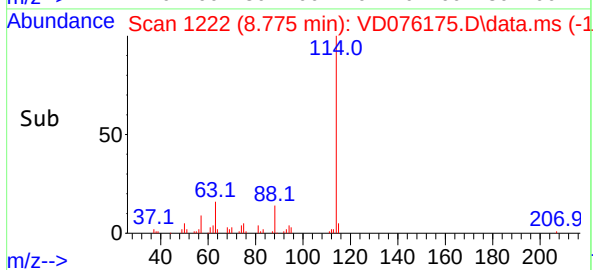
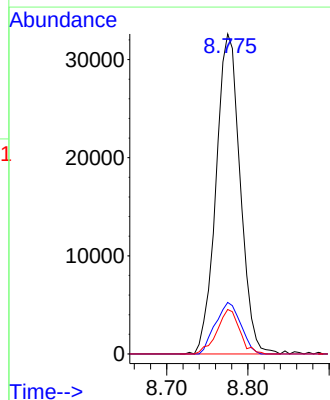
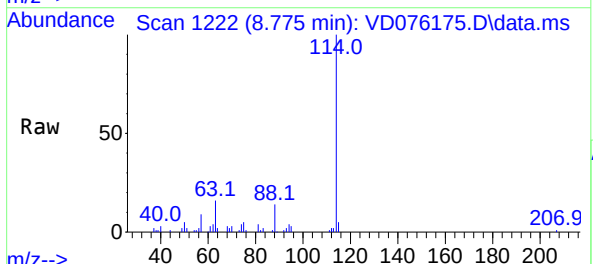
Instrument :
MSVOA_D
ClientSampleId :
TR-04-051823RE

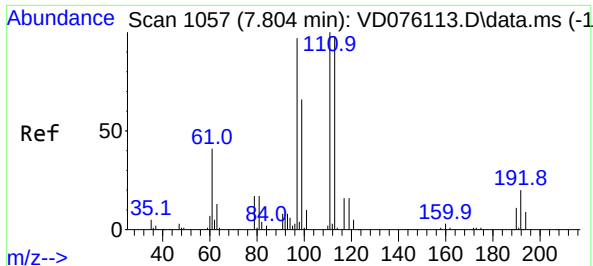
Tgt Ion: 65 Resp: 29840
Ion Ratio Lower Upper
65 100
67 55.2 0.0 102.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VD076175.D
Acq: 22 May 2023 14:52

Tgt Ion: 114 Resp: 67356
Ion Ratio Lower Upper
114 100
63 16.1 0.0 41.6
88 13.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 63.699 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076175.D

Acq: 22 May 2023 14:52

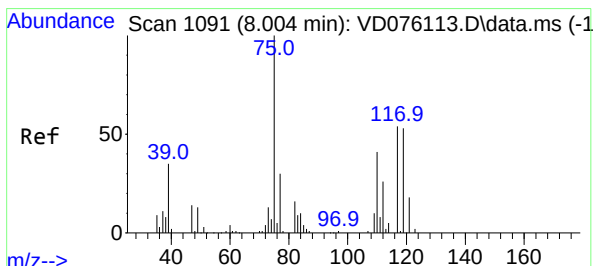
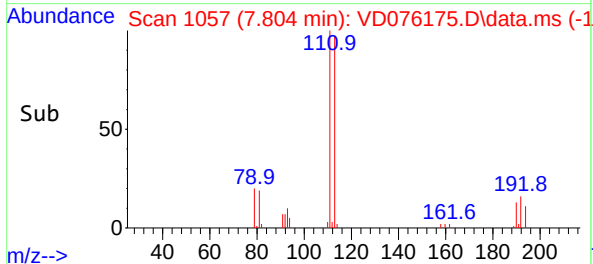
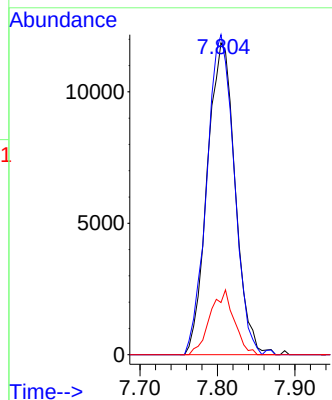
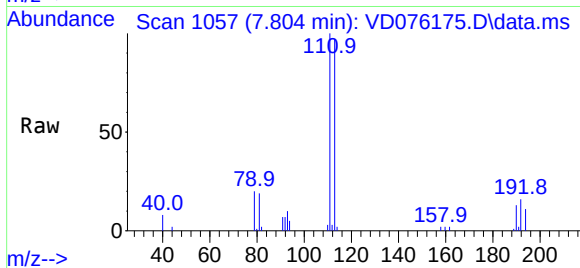
Instrument :

MSVOA_D

ClientSampleId :

TR-04-051823RE

Tgt Ion:113	Resp:	29657
Ion	Ratio	Lower Upper
113	100	
111	100.9	81.4 122.0
192	18.0	15.2 22.8



#36

1,1-Dichloropropene

Concen: 3.849 ug/l

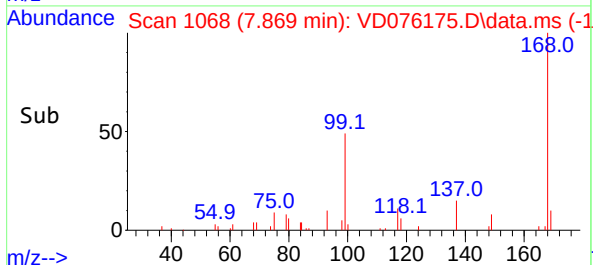
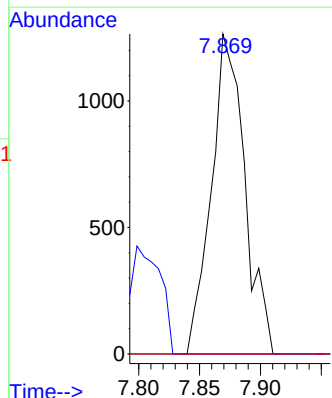
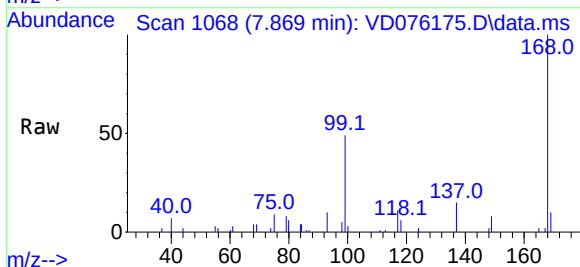
RT: 7.869 min Scan# 1068

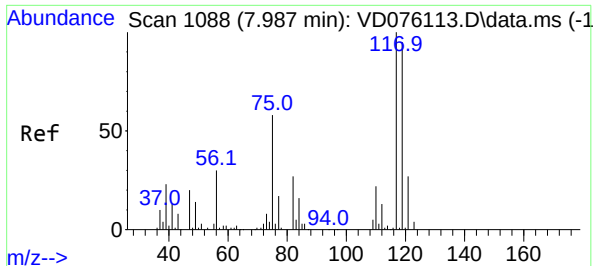
Delta R.T. -0.141 min

Lab File: VD076175.D

Acq: 22 May 2023 14:52

Tgt Ion: 75	Resp:	2420
Ion	Ratio	Lower Upper
75	100	
110	0.0	17.1 51.2#
77	0.0	24.6 36.8#

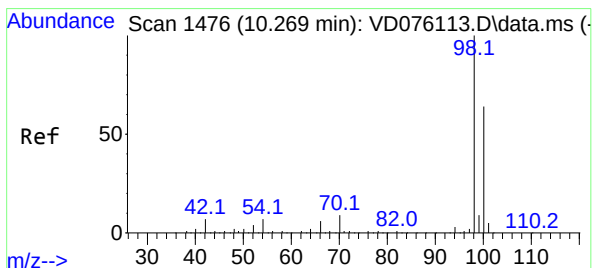
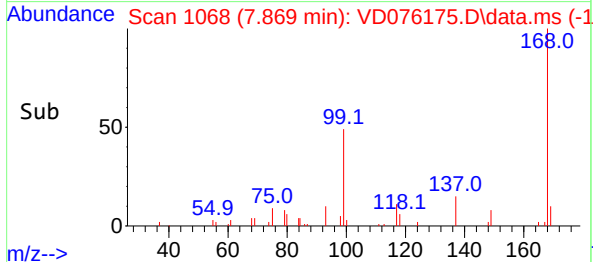
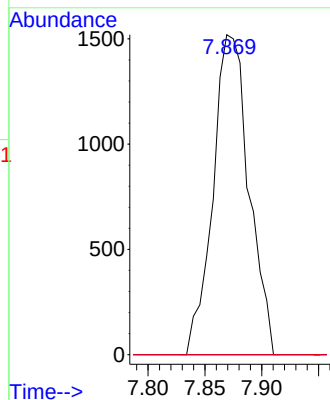
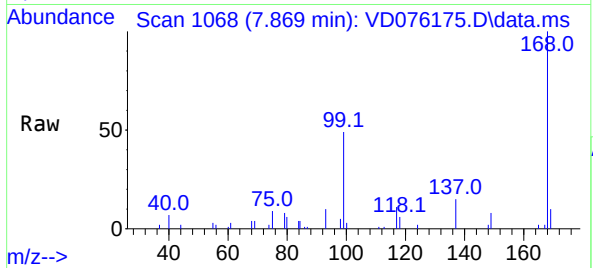




#38
Carbon Tetrachloride
Concen: 5.882 ug/l
RT: 7.869 min Scan# 1088
Delta R.T. -0.124 min
Lab File: VD076175.D
Acq: 22 May 2023 14:52

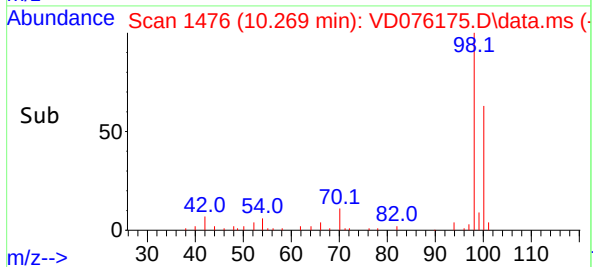
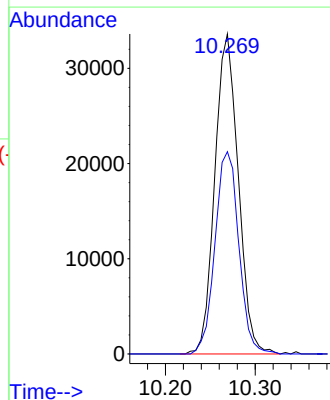
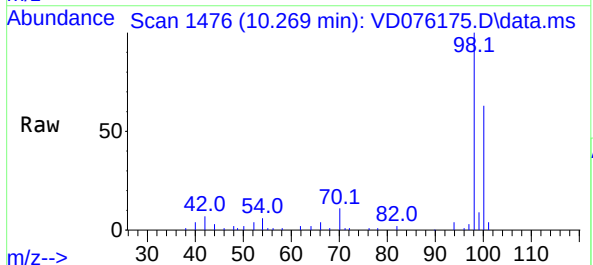
Instrument :
MSVOA_D
ClientSampleId :
TR-04-051823RE

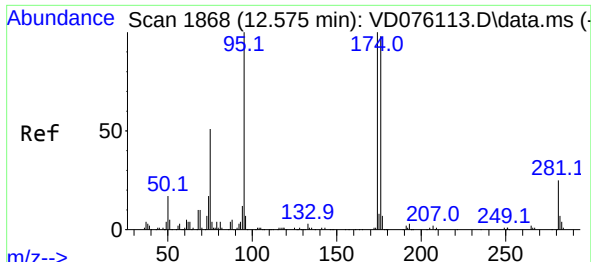
Tgt Ion:117 Resp: 3341
Ion Ratio Lower Upper
117 100
119 0.0 74.7 112.1#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 33.606 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076175.D
Acq: 22 May 2023 14:52

Tgt Ion: 98 Resp: 60992
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1

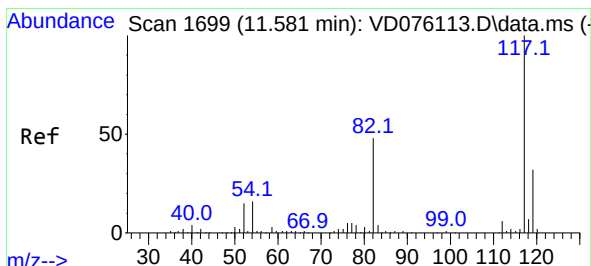
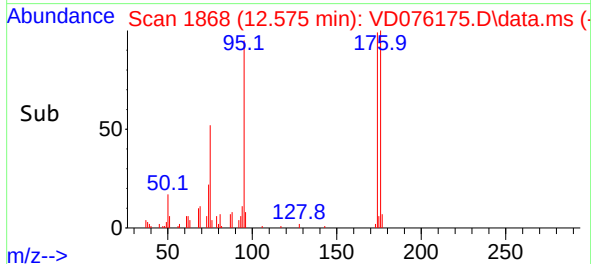
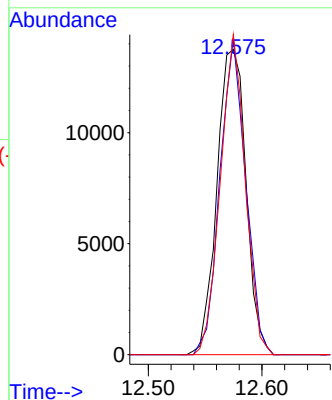
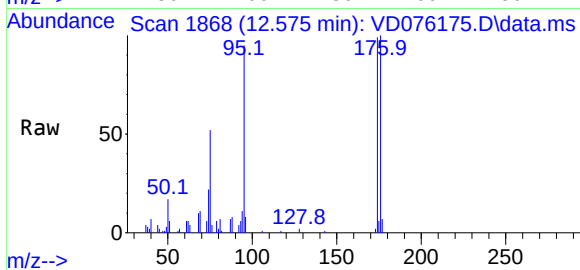




#62
4-Bromofluorobenzene
Concen: 48.375 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076175.D
Acq: 22 May 2023 14:52

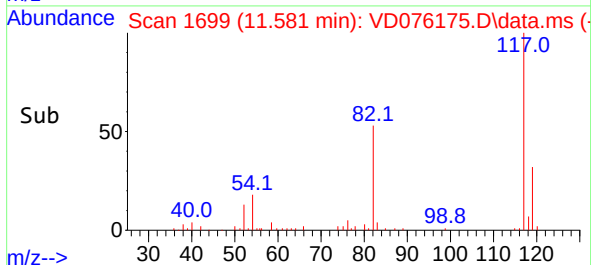
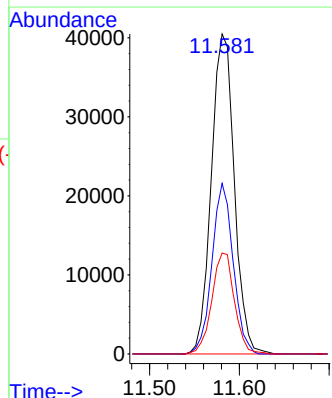
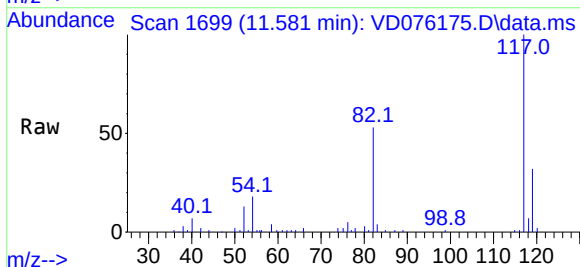
Instrument :
MSVOA_D
ClientSampleId :
TR-04-051823RE

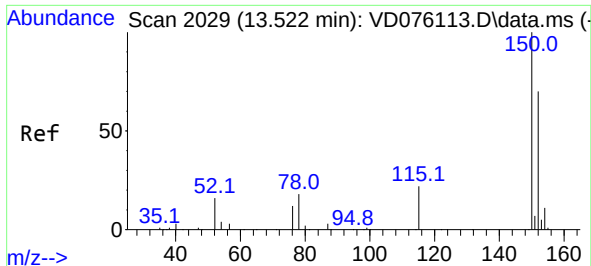
Tgt Ion:	95	Resp:	24389
Ion Ratio	Lower	Upper	
95	100		
174	91.8	0.0	164.0
176	90.2	0.0	156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076175.D
Acq: 22 May 2023 14:52

Tgt Ion:	117	Resp:	71973
Ion Ratio	Lower	Upper	
117	100		
82	53.3	44.0	66.0
119	31.5	25.1	37.7

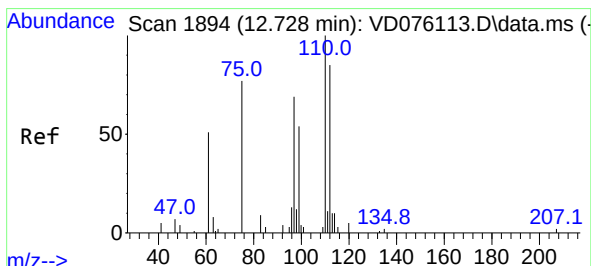
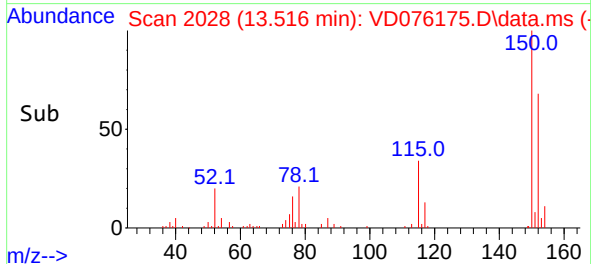
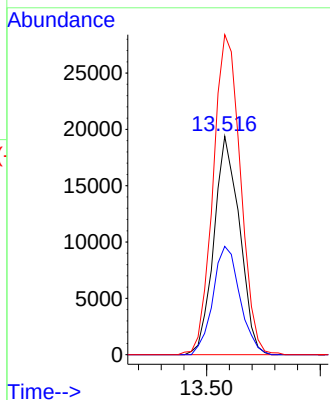
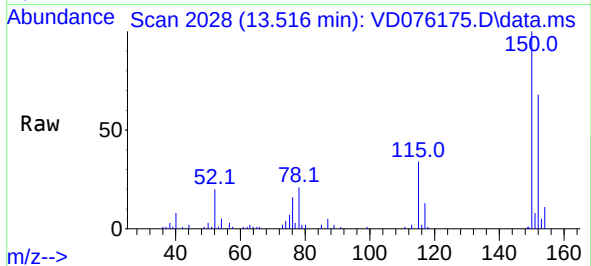




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2029
Delta R.T. -0.006 min
Lab File: VD076175.D
Acq: 22 May 2023 14:52

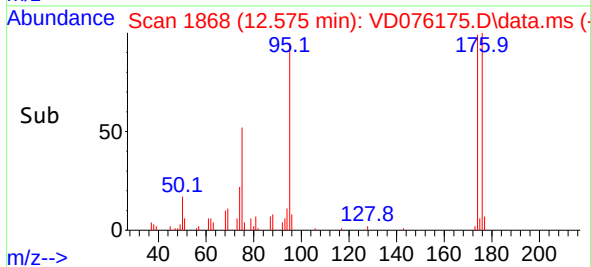
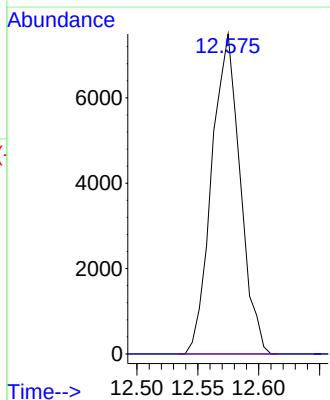
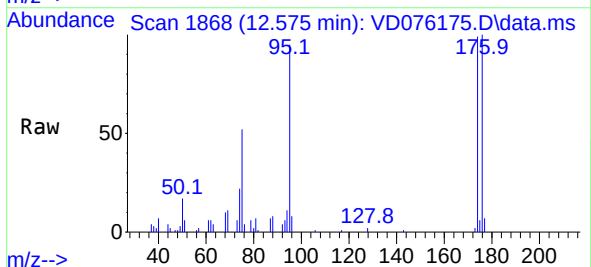
Instrument :
MSVOA_D
ClientSampleId :
TR-04-051823RE

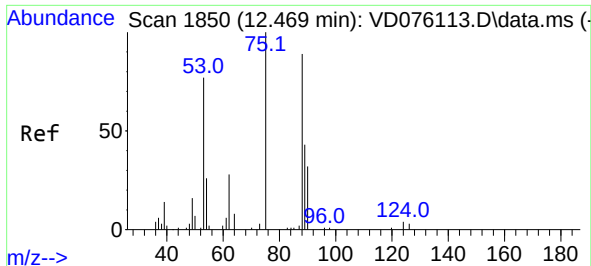
Tgt Ion:152 Resp: 30400
Ion Ratio Lower Upper
152 100
115 52.3 30.1 90.3
150 156.6 0.0 364.8



#76
1,2,3-Trichloropropane
Concen: 45.845 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076175.D
Acq: 22 May 2023 14:52

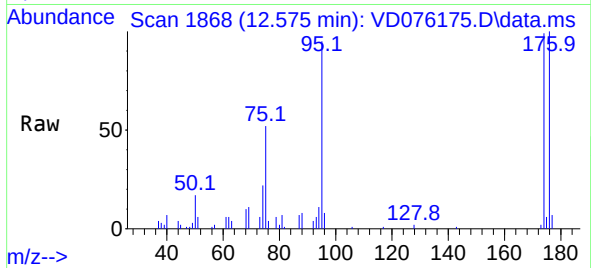
Tgt Ion: 75 Resp: 12196
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.176 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD076175.D
 Acq: 22 May 2023 14:52

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-051823RE



Tgt Ion: 75 Resp: 12196
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 40.2 60.4#

