

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052523\
 Data File : VD076237.D
 Acq On : 25 May 2023 17:09
 Operator : KP/SY
 Sample : 02916-03
 Misc : 3.46G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-621-VOC-01

Quant Time: May 26 02:00:39 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)

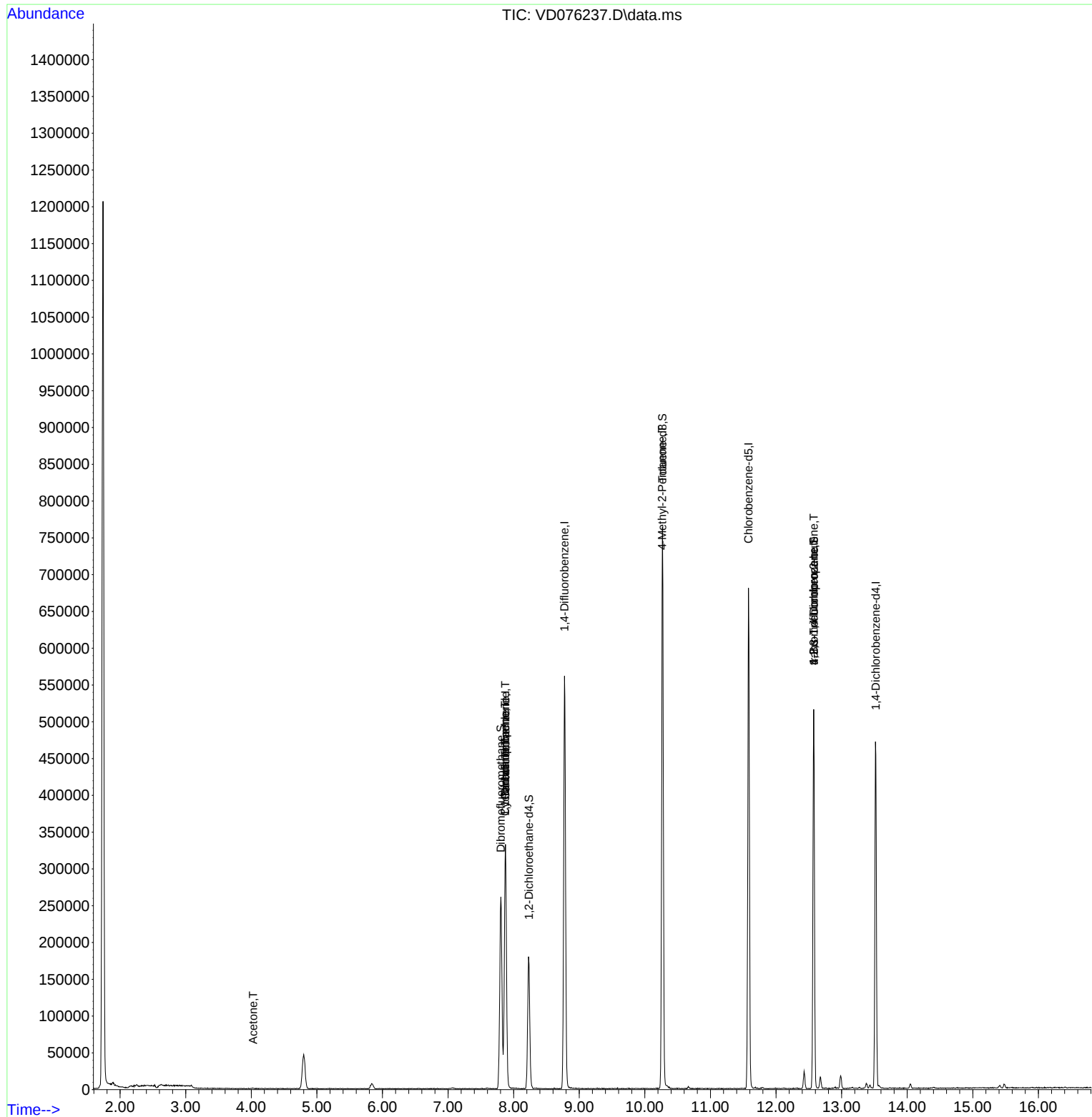
Internal Standards						
1) Pentafluorobenzene	7.875	168	270809	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	530458	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	418112	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	133793	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	135302	51.695	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.400%	
35) Dibromofluoromethane	7.804	113	192199	52.419	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.840%	
50) Toluene-d8	10.269	98	553280	38.709	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 77.420%	
62) 4-Bromofluorobenzene	12.575	95	159607	40.198	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 80.400%	
Target Compounds						Qvalue
3) Chloromethane	2.146	50	358	Below Cal	#	77
16) Acetone	4.028	43	719	1.381	ug/l #	44
17) Carbon Disulfide	4.269	76	83	Below Cal	#	73
31) Cyclohexane	7.869	56	5329	1.329	ug/l #	17
36) 1,1-Dichloropropene	7.869	75	20742	4.189	ug/l #	50
38) Carbon Tetrachloride	7.875	117	24743	5.532	ug/l #	18
51) 4-Methyl-2-Pentanone	10.263	43	1712	1.005	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	79813	68.170	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	79813	143.008	ug/l #	5

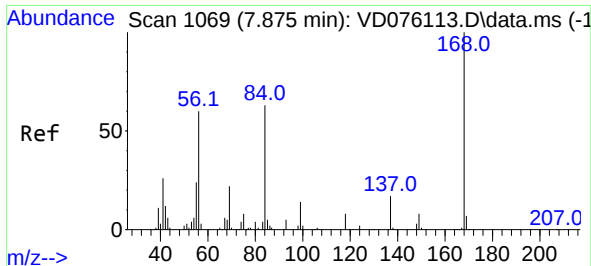
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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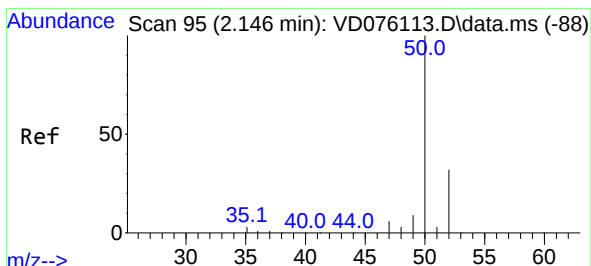
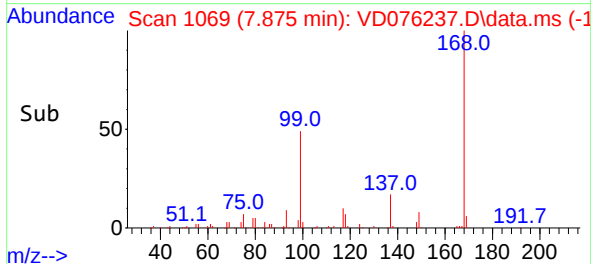
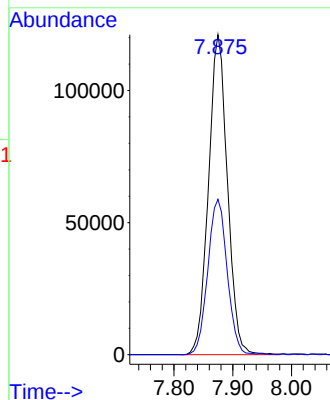
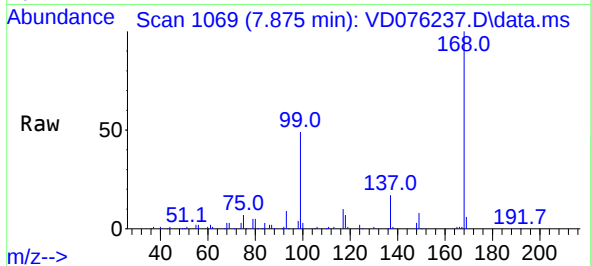




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD076237.D
Acq: 25 May 2023 17:09

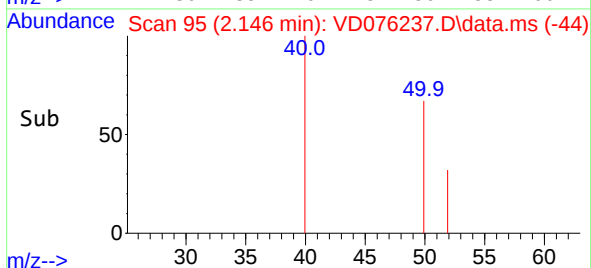
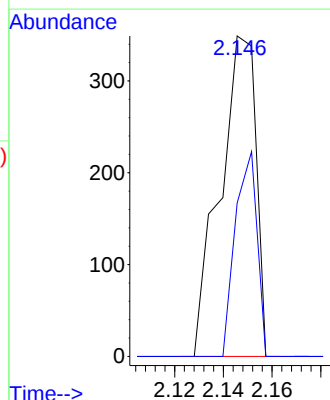
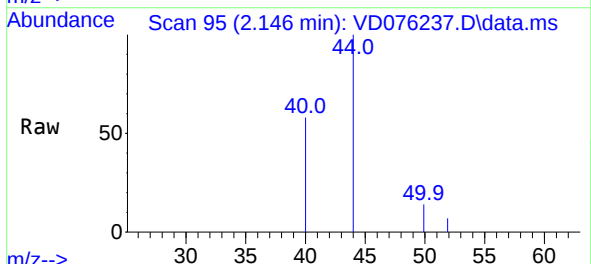
Instrument :
MSVOA_D
ClientSampleId :
SU-621-VOC-01

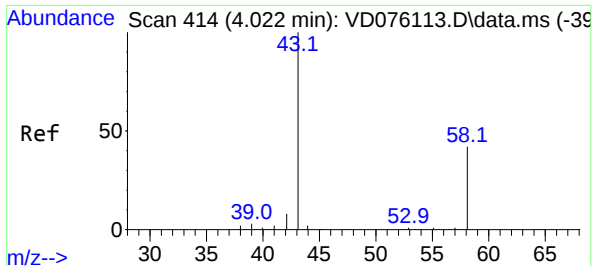
Tgt Ion:168 Resp: 270809
Ion Ratio Lower Upper
168 100
99 48.6 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD076237.D
Acq: 25 May 2023 17:09

Tgt Ion: 50 Resp: 358
Ion Ratio Lower Upper
50 100
52 47.9 27.8 41.8#

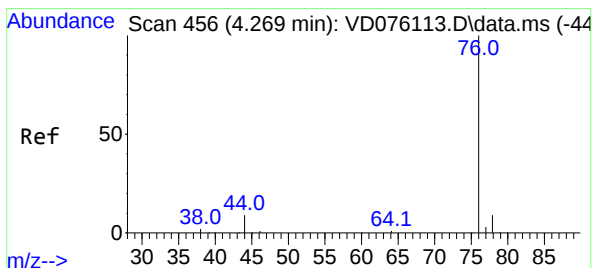
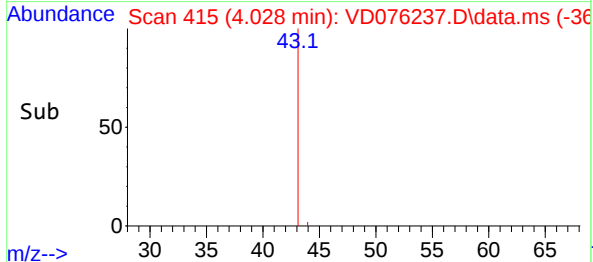
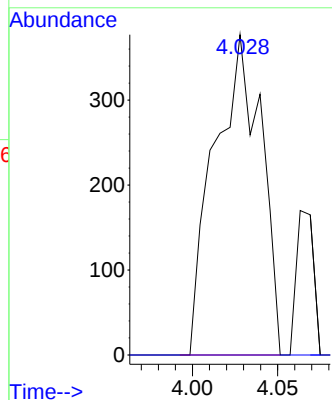
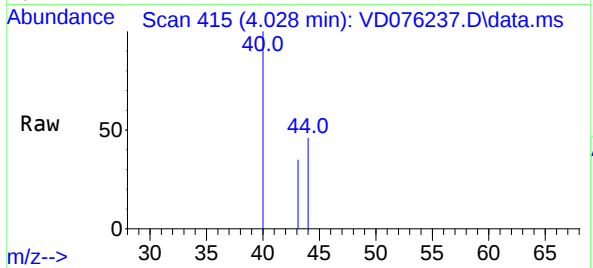




#16
Acetone
Concen: 1.381 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD076237.D
Acq: 25 May 2023 17:09

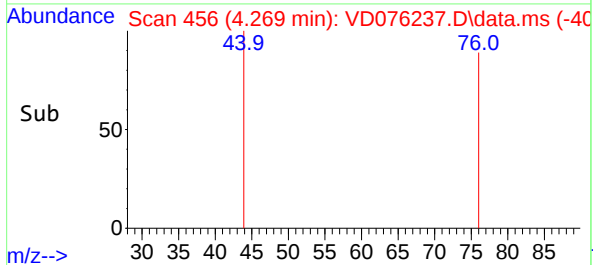
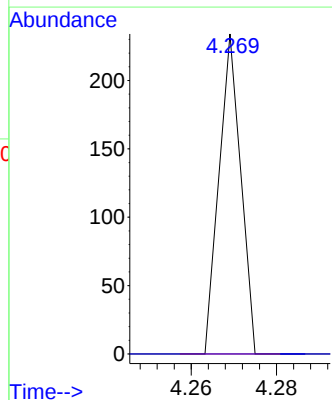
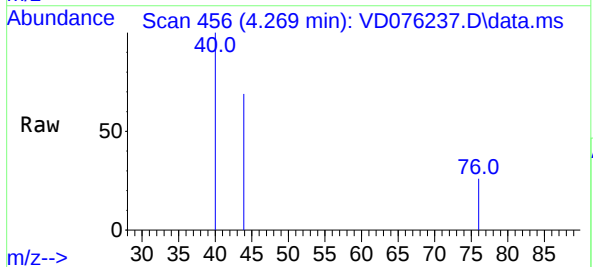
Instrument :
MSVOA_D
ClientSampleId :
SU-621-VOC-01

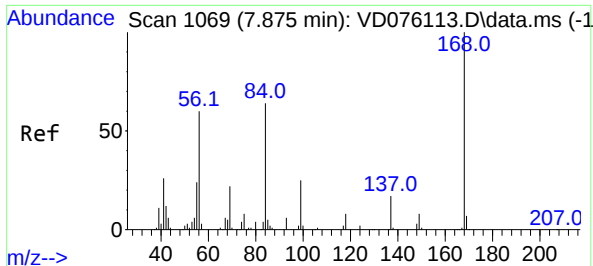
Tgt Ion: 43 Resp: 719
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.269 min Scan# 456
Delta R.T. 0.000 min
Lab File: VD076237.D
Acq: 25 May 2023 17:09

Tgt Ion: 76 Resp: 83
Ion Ratio Lower Upper
76 100
78 0.0 8.0 12.0#

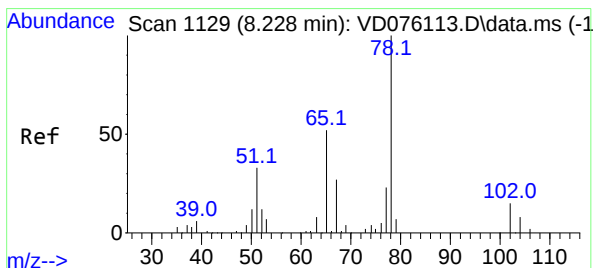
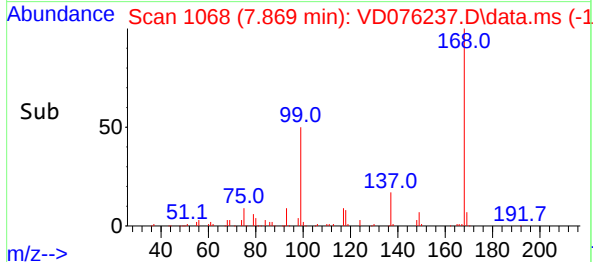
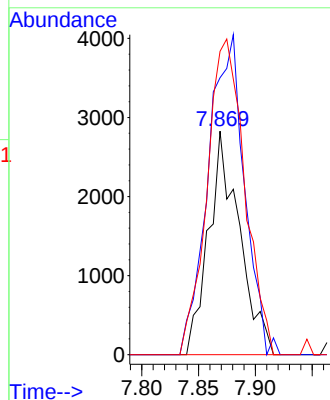
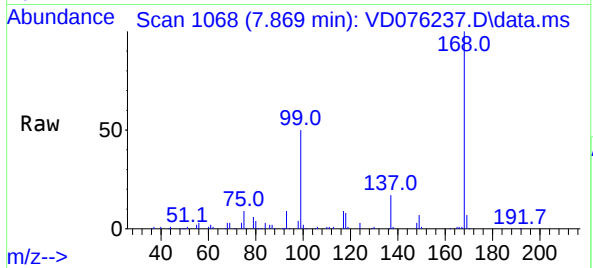




#31
Cyclohexane
Concen: 1.329 ug/l
RT: 7.869 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VD076237.D
Acq: 25 May 2023 17:09

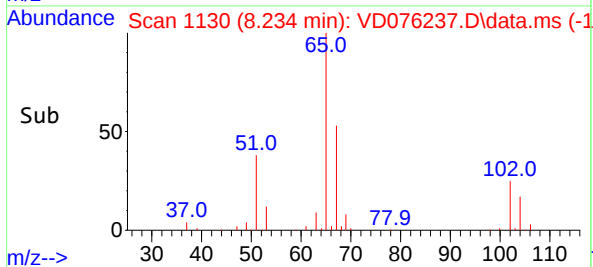
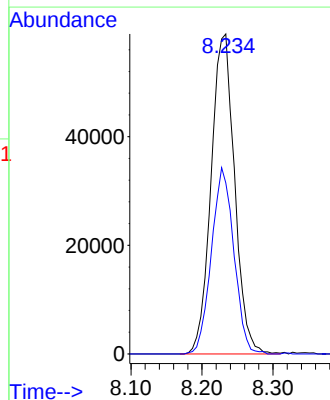
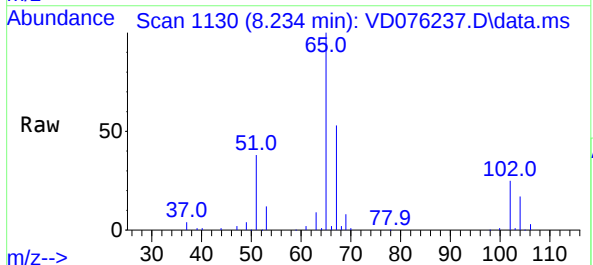
Instrument :
MSVOA_D
ClientSampleId :
SU-621-VOC-01

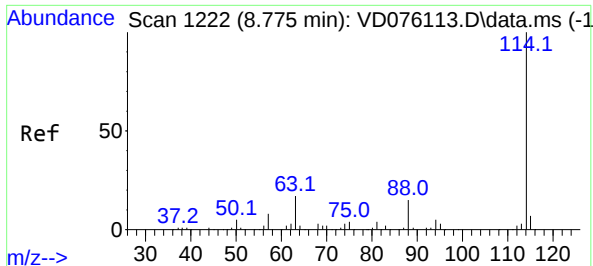
Tgt Ion: 56 Resp: 5329
Ion Ratio Lower Upper
56 100
69 123.9 25.5 38.3#
84 135.6 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 51.695 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD076237.D
Acq: 25 May 2023 17:09

Tgt Ion: 65 Resp: 135302
Ion Ratio Lower Upper
65 100
67 55.6 0.0 102.2

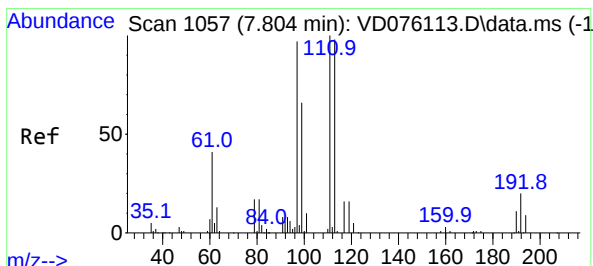
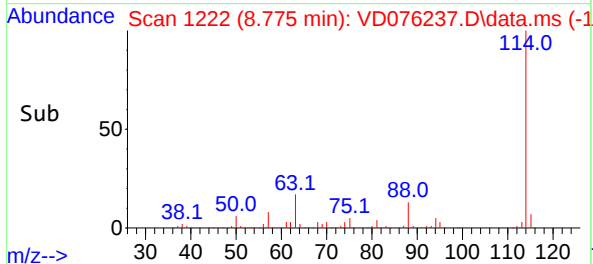
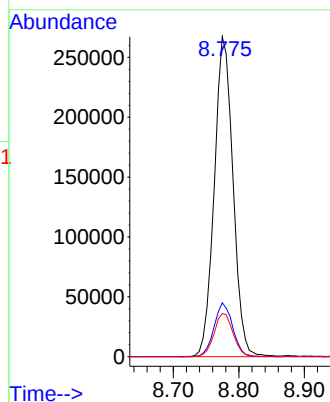
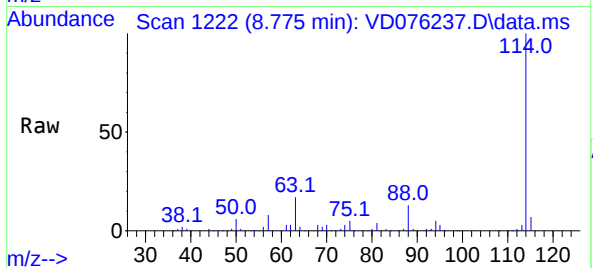




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076237.D
Acq: 25 May 2023 17:09

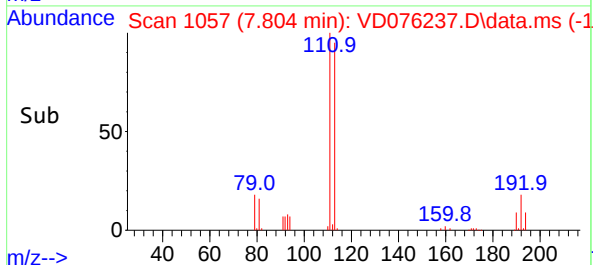
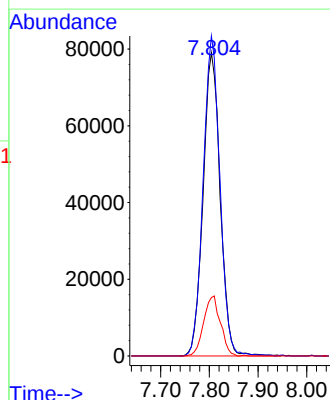
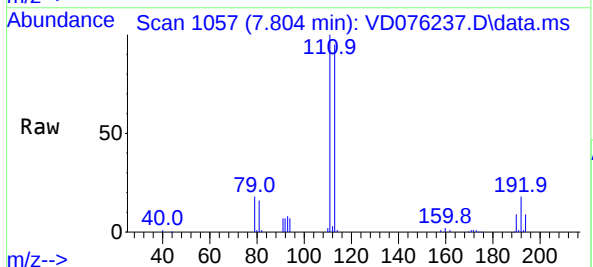
Instrument :
MSVOA_D
ClientSampleId :
SU-621-VOC-01

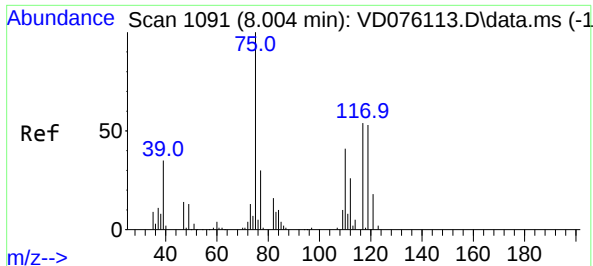
Tgt Ion:114 Resp: 530458
Ion Ratio Lower Upper
114 100
63 16.9 0.0 41.6
88 13.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 52.419 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD076237.D
Acq: 25 May 2023 17:09

Tgt Ion:113 Resp: 192199
Ion Ratio Lower Upper
113 100
111 103.4 81.4 122.0
192 19.4 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.189 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD076237.D

Acq: 25 May 2023 17:09

Instrument :

MSVOA_D

ClientSampleId :

SU-621-VOC-01

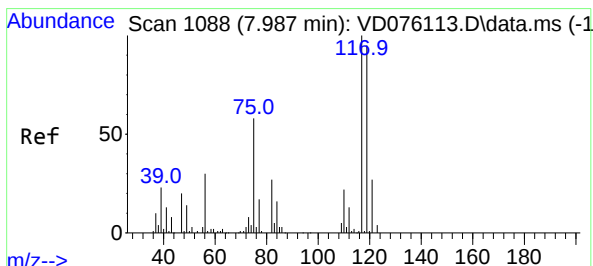
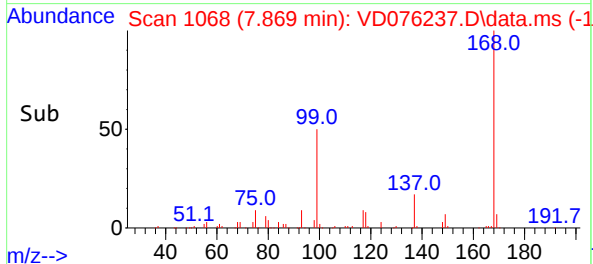
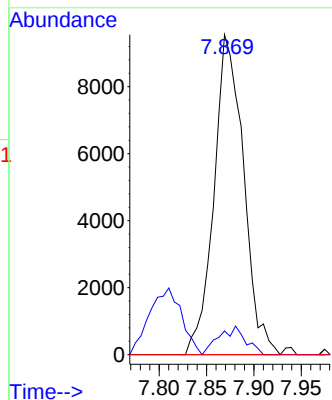
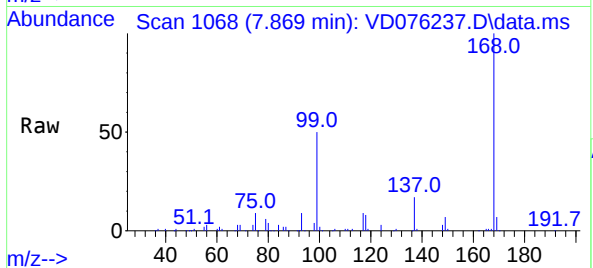
Tgt Ion: 75 Resp: 20742

Ion Ratio Lower Upper

75 100

110 8.0 17.1 51.2#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.532 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD076237.D

Acq: 25 May 2023 17:09

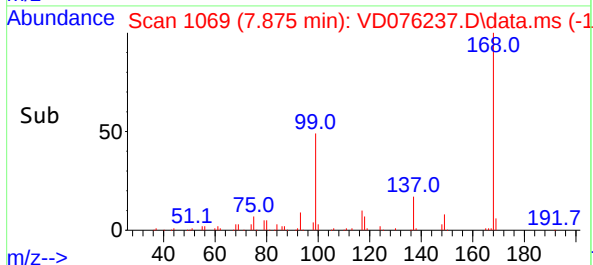
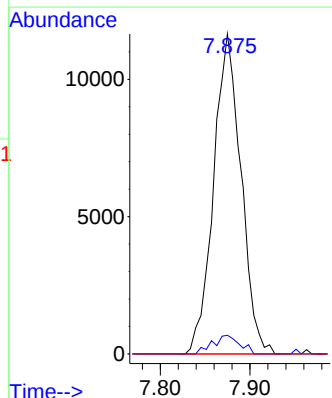
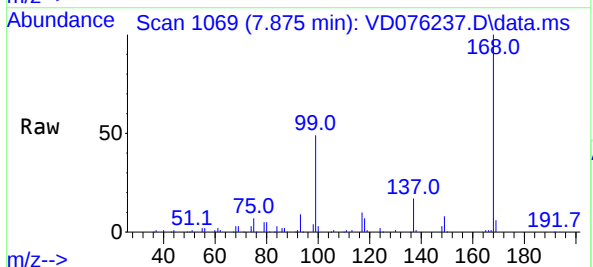
Tgt Ion: 117 Resp: 24743

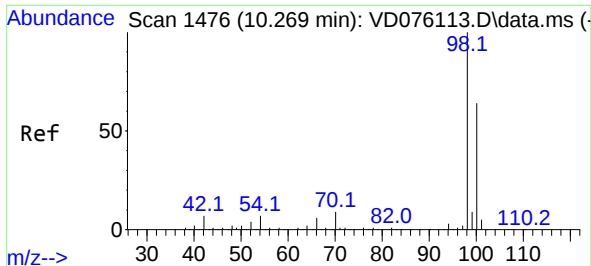
Ion Ratio Lower Upper

117 100

119 5.9 74.7 112.1#

121 0.0 25.9 38.9#

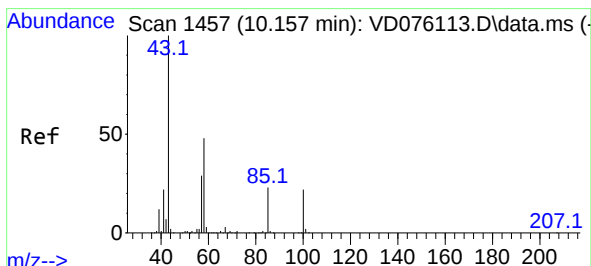
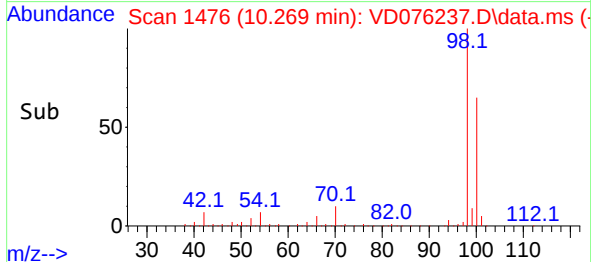
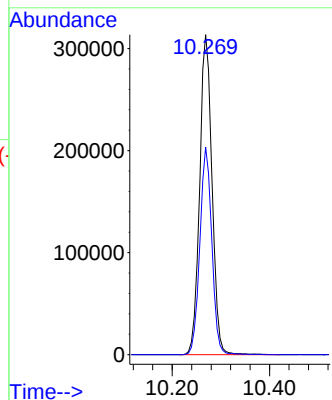
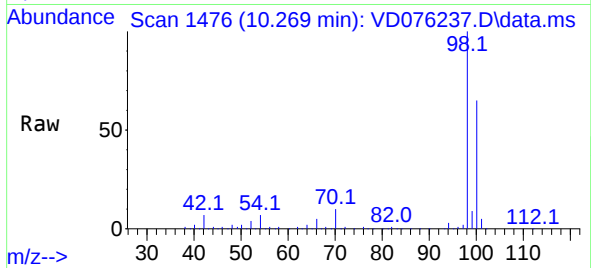




#50
Toluene-d8
Concen: 38.709 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076237.D
Acq: 25 May 2023 17:09

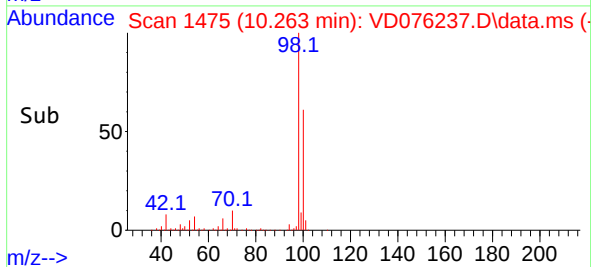
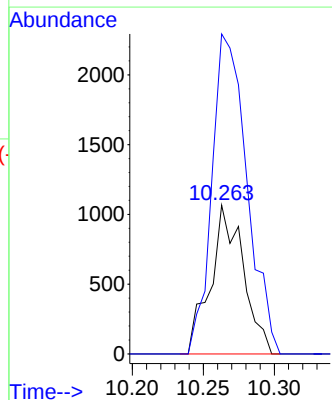
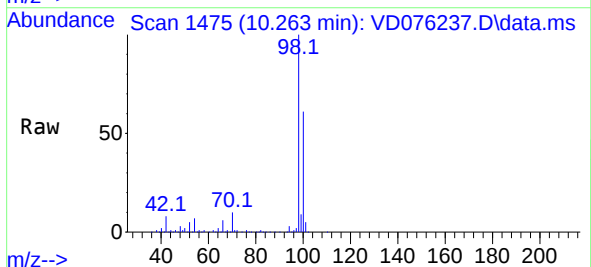
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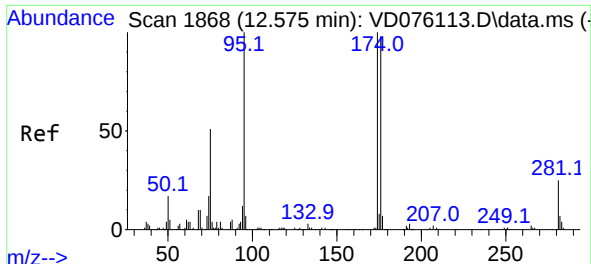
Tgt Ion: 98 Resp: 553280
Ion Ratio Lower Upper
98 100
100 62.9 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.005 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. 0.106 min
Lab File: VD076237.D
Acq: 25 May 2023 17:09

Tgt Ion: 43 Resp: 1712
Ion Ratio Lower Upper
43 100
58 230.2 29.5 44.3#

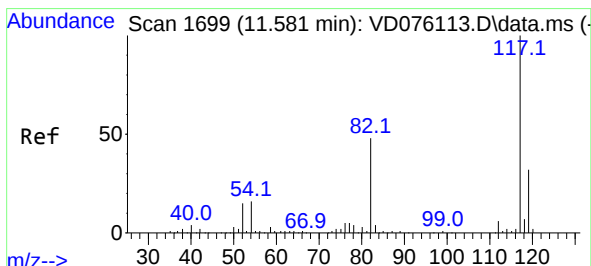
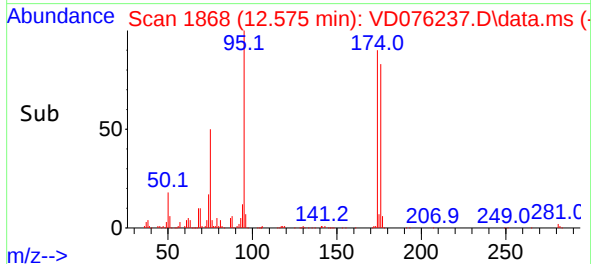
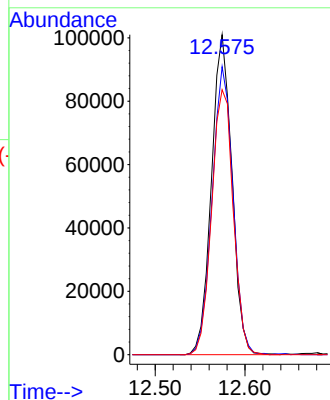
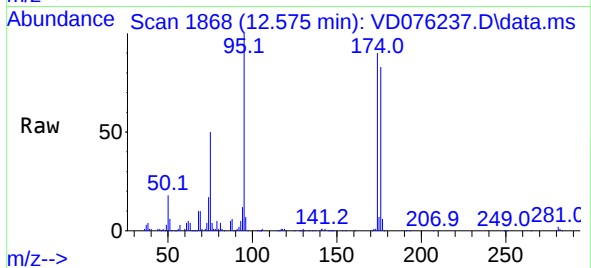




#62
4-Bromofluorobenzene
Concen: 40.198 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076237.D
Acq: 25 May 2023 17:09

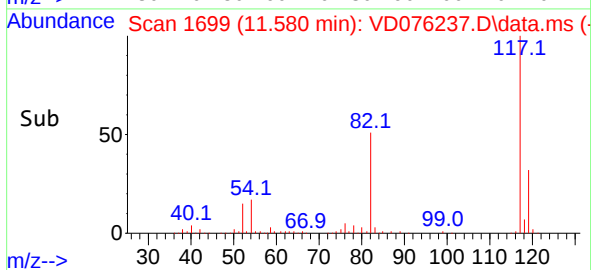
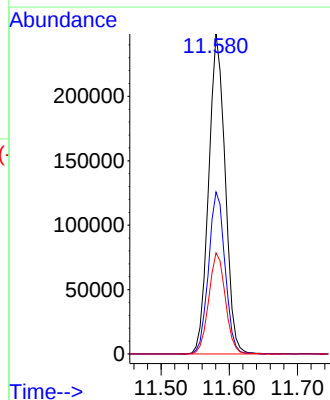
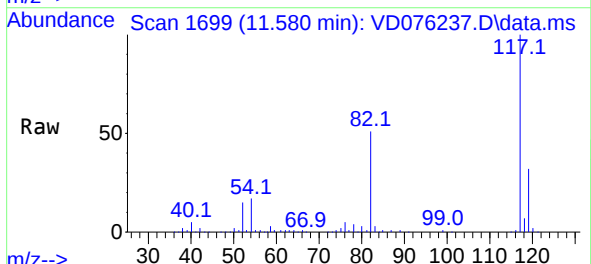
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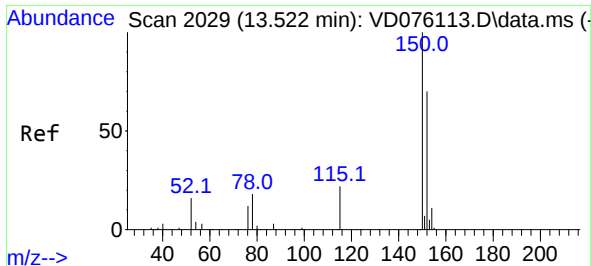
Tgt Ion: 95 Resp: 159607
Ion Ratio Lower Upper
95 100
174 91.7 0.0 164.0
176 87.4 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1699
Delta R.T. -0.001 min
Lab File: VD076237.D
Acq: 25 May 2023 17:09

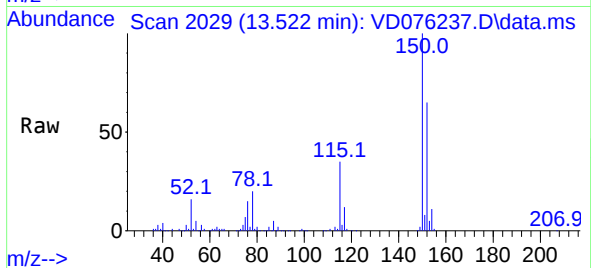
Tgt Ion: 117 Resp: 418112
Ion Ratio Lower Upper
117 100
82 50.6 44.0 66.0
119 31.6 25.1 37.7



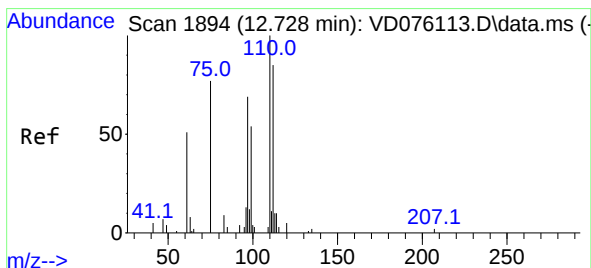
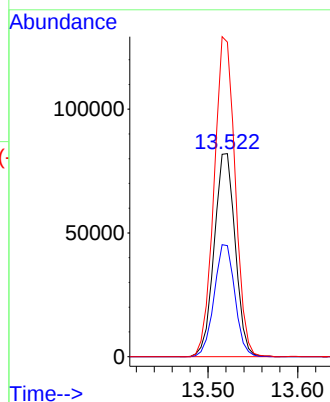
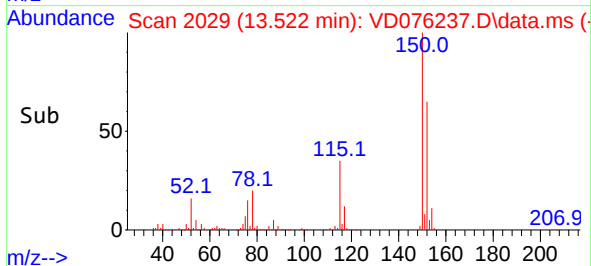


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD076237.D
Acq: 25 May 2023 17:09

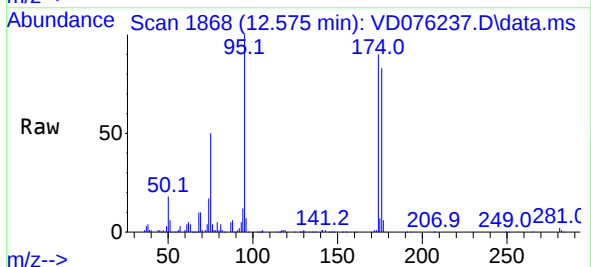
Instrument :
MSVOA_D
ClientSampleId :
SU-621-VOC-01



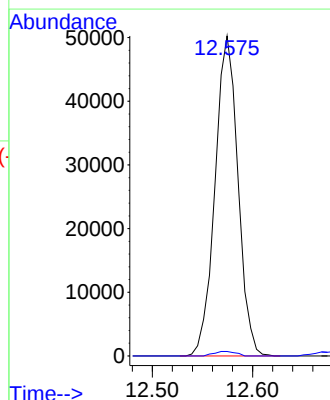
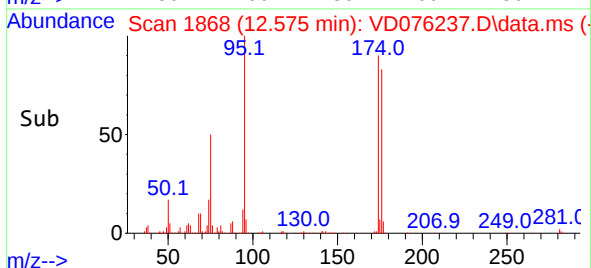
Tgt Ion:152 Resp: 133793
Ion Ratio Lower Upper
152 100
115 54.4 30.1 90.3
150 157.5 0.0 364.8

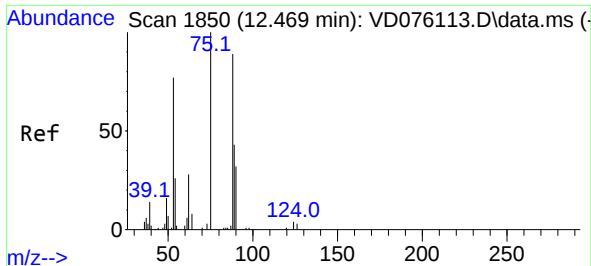


#76
1,2,3-Trichloropropane
Concen: 68.170 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076237.D
Acq: 25 May 2023 17:09



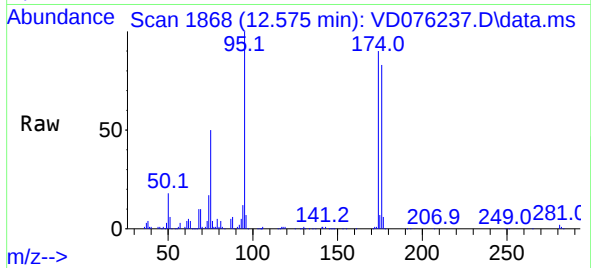
Tgt Ion: 75 Resp: 79813
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 143.008 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD076237.D
Acq: 25 May 2023 17:09

Instrument :
MSVOA_D
ClientSampleId :
SU-621-VOC-01



Tgt Ion: 75 Resp: 79813
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.2 40.2 60.4#

