

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020823\
 Data File : VD075268.D
 Acq On : 08 Feb 2023 13:34
 Operator : KP/SY
 Sample : 01463-04
 Misc : 3.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOT-VOC-GRAB-32

Quant Time: Feb 09 05:41:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 04:26:58 2023
 Response via : Initial Calibration

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

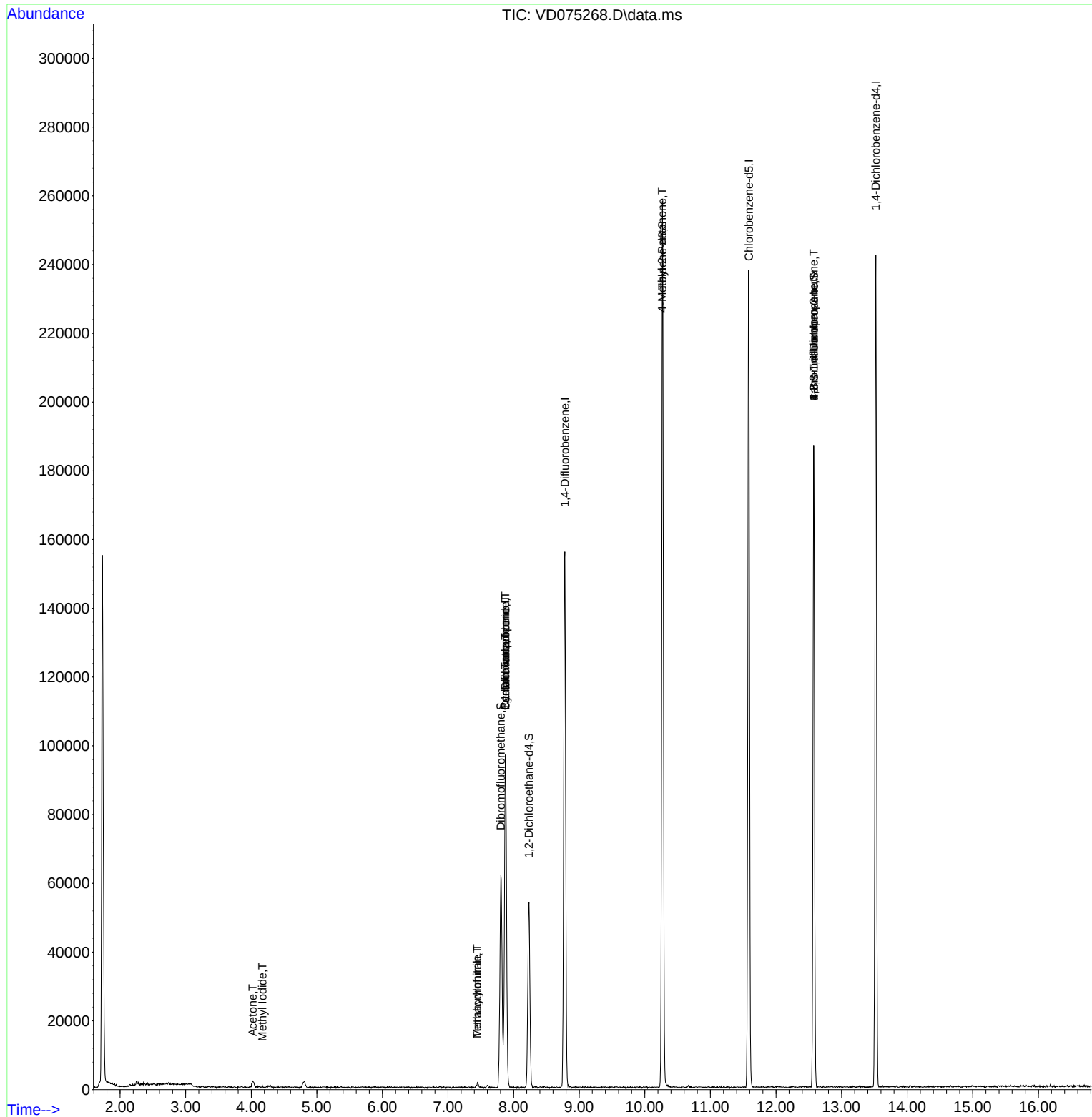
Internal Standards						
1) Pentafluorobenzene	7.875	168	71628	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	135038	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	133777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	61397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	42133	50.164	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.320%			
35) Dibromofluoromethane	7.805	113	44045	46.516	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.040%			
50) Toluene-d8	10.269	98	165869	46.191	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 92.380%			
62) 4-Bromofluorobenzene	12.575	95	56104	47.383	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.760%			
Target Compounds						
3) Chloromethane	2.146	50	352	Below Cal	#	41
10) Methyl Iodide	4.169	142	59	2.621	ug/l #	42
16) Acetone	4.022	43	3284	14.787	ug/l	95
18) Methyl Acetate	4.575	43	59	Below Cal	#	52
20) Methylene Chloride	4.805	84	1521	Below Cal	#	68
29) Tetrahydrofuran	7.446	42	1054	7.113	ug/l #	66
31) Cyclohexane	7.875	56	1810	1.214	ug/l #	5
36) 1,1-Dichloropropene	7.875	75	6036	4.092	ug/l #	47
38) Carbon Tetrachloride	7.875	117	7482	5.474	ug/l #	14
41) Methacrylonitrile	7.446	41	496	1.292	ug/l #	33
51) 4-Methyl-2-Pentanone	10.263	43	798	1.284	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	30137	43.215	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	30137	136.492	ug/l #	14

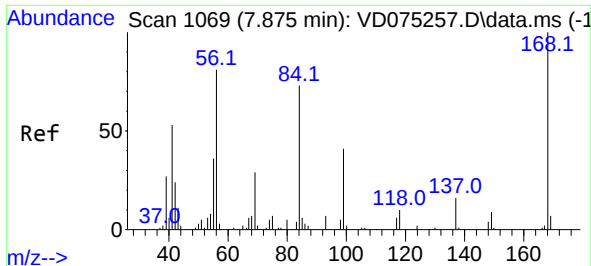
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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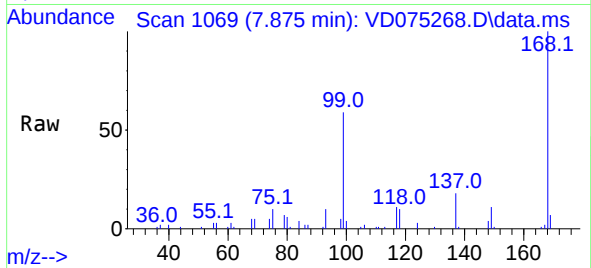
Quant Time: Feb 09 05:41:22 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 08 04:26:58 2023
Response via : Initial Calibration



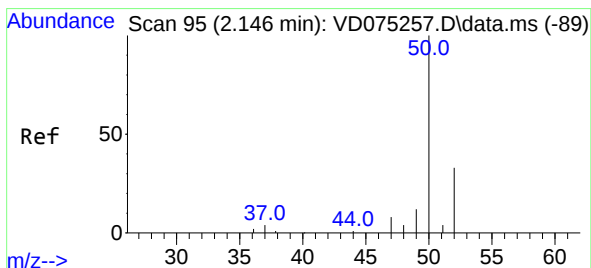
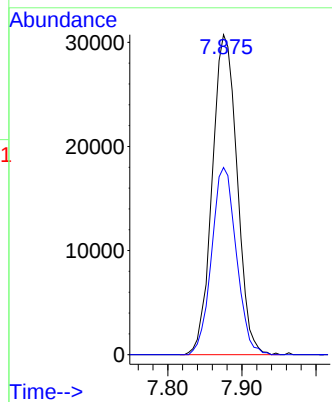
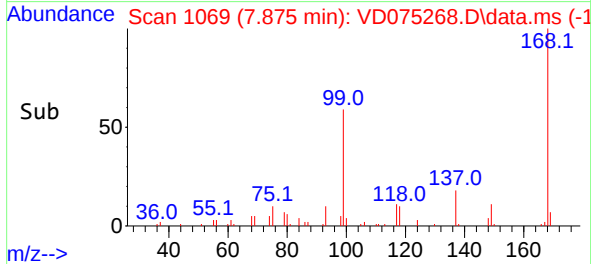


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075268.D
Acq: 08 Feb 2023 13:34

Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-32

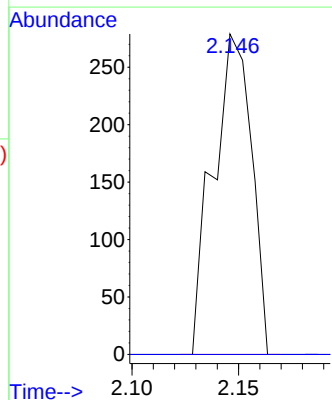
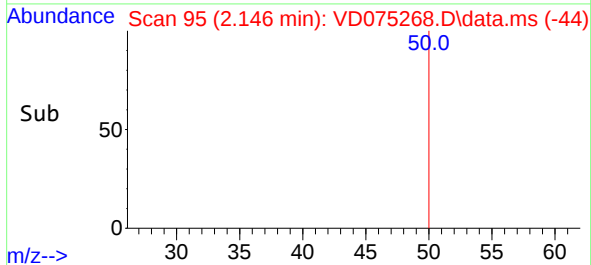
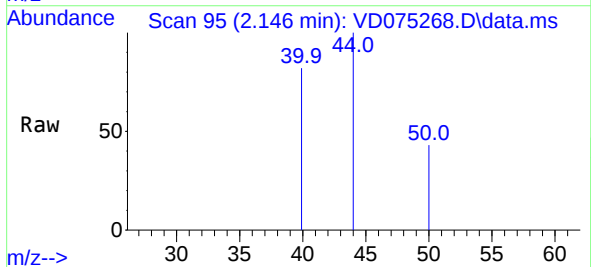


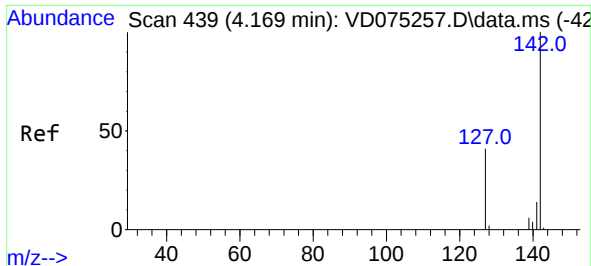
Tgt Ion:168 Resp: 71628
Ion Ratio Lower Upper
168 100
99 58.5 45.2 67.8



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD075268.D
Acq: 08 Feb 2023 13:34

Tgt Ion: 50 Resp: 352
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#

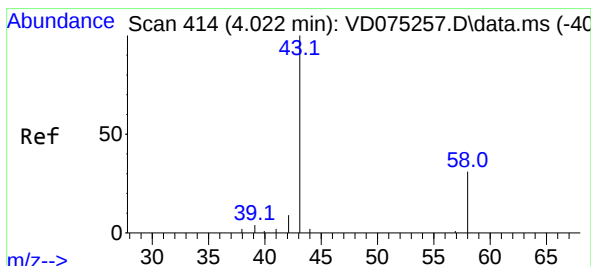
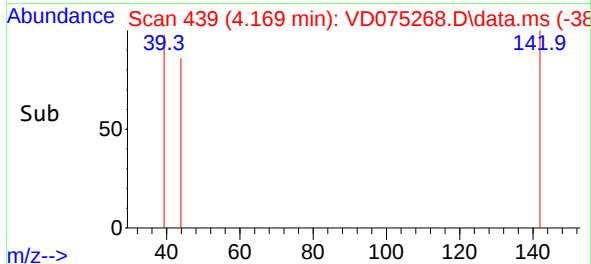
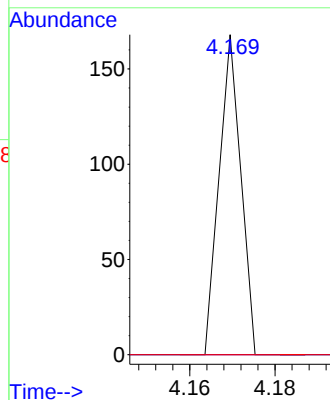
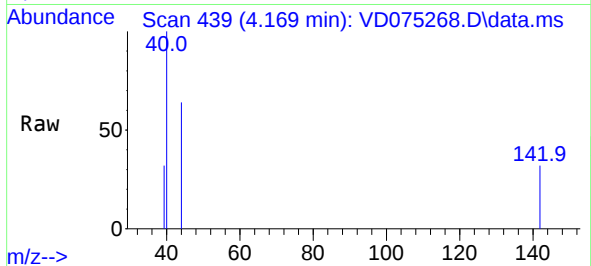




#10
Methyl Iodide
Concen: 2.621 ug/l
RT: 4.169 min Scan# 410
Delta R.T. 0.000 min
Lab File: VD075268.D
Acq: 08 Feb 2023 13:34

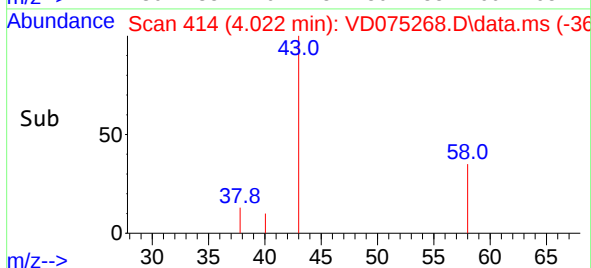
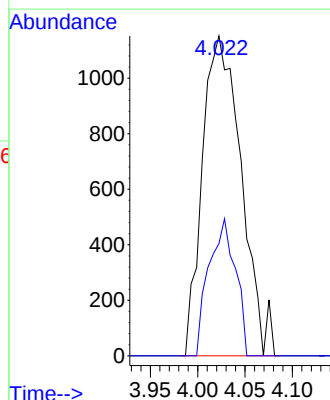
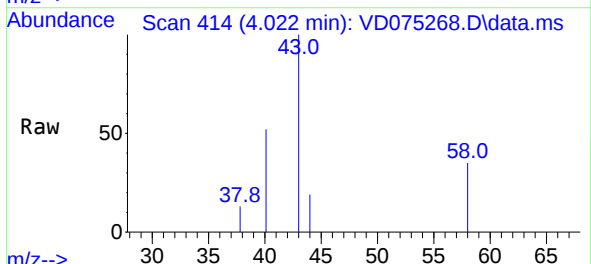
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-32

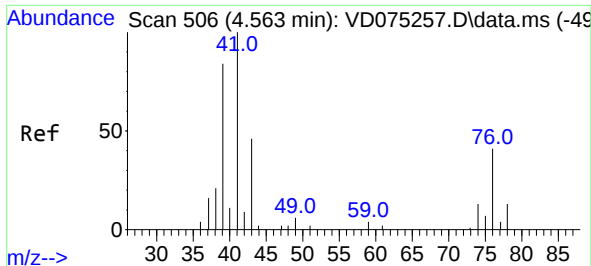
Tgt Ion:142 Resp: 59
Ion Ratio Lower Upper
142 100
127 0.0 33.6 50.4#
141 0.0 11.1 16.7#



#16
Acetone
Concen: 14.787 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD075268.D
Acq: 08 Feb 2023 13:34

Tgt Ion: 43 Resp: 3284
Ion Ratio Lower Upper
43 100
58 35.1 26.0 39.0

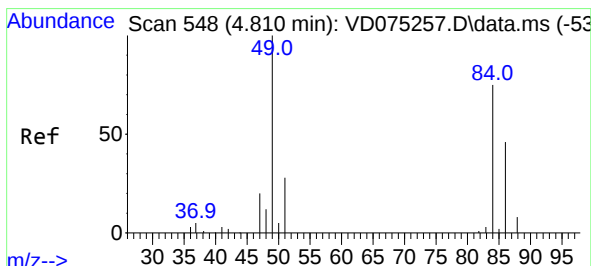
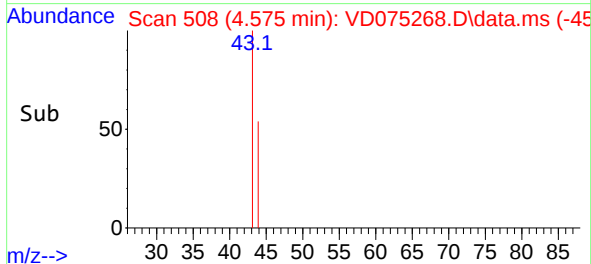
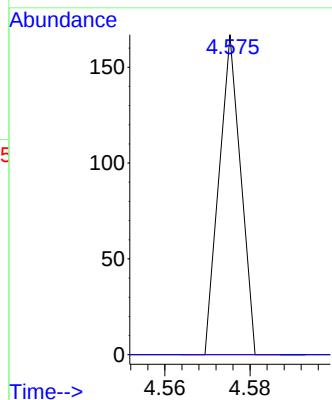
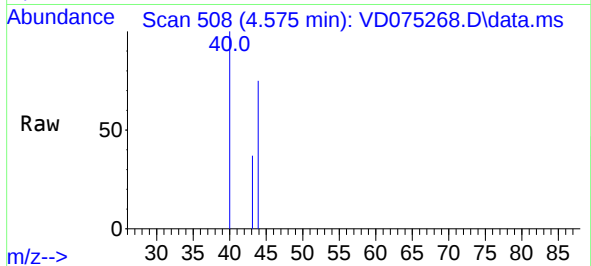




#18
Methyl Acetate
Concen: Below Cal
RT: 4.575 min Scan# 506
Delta R.T. 0.012 min
Lab File: VD075268.D
Acq: 08 Feb 2023 13:34

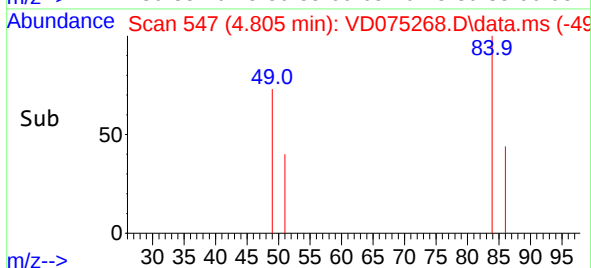
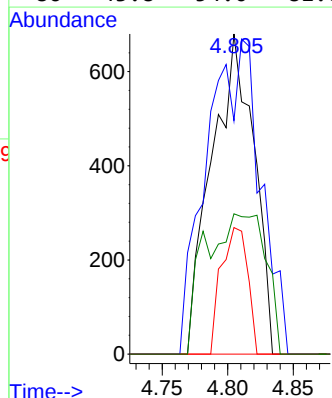
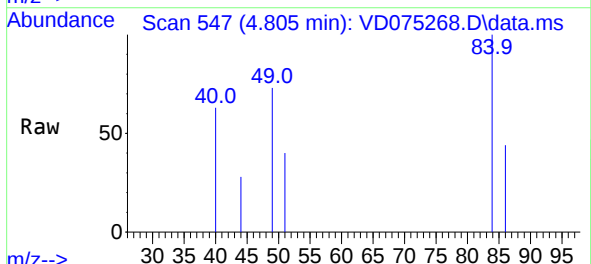
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-32

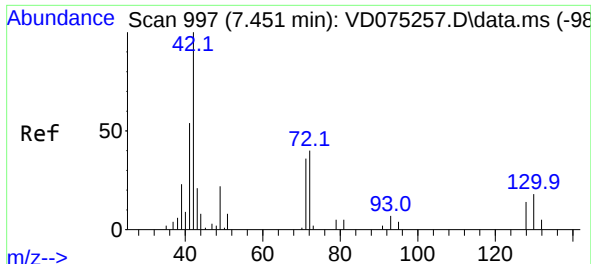
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
74 0.0 18.5 27.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 547
Delta R.T. -0.005 min
Lab File: VD075268.D
Acq: 08 Feb 2023 13:34

Tgt Ion: 84 Resp: 1521
Ion Ratio Lower Upper
84 100
49 72.9 97.0 145.6#
51 39.6 30.9 46.3
86 43.8 54.0 81.0#





#29

Tetrahydrofuran

Concen: 7.113 ug/l

RT: 7.446 min Scan# 996

Delta R.T. -0.005 min

Lab File: VD075268.D

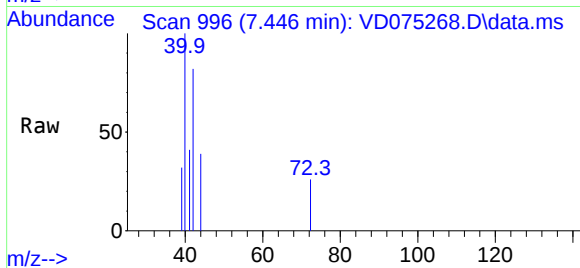
Acq: 08 Feb 2023 13:34

Instrument :

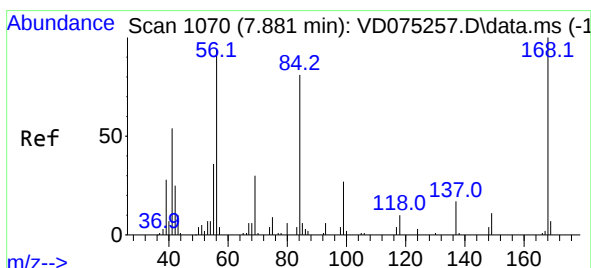
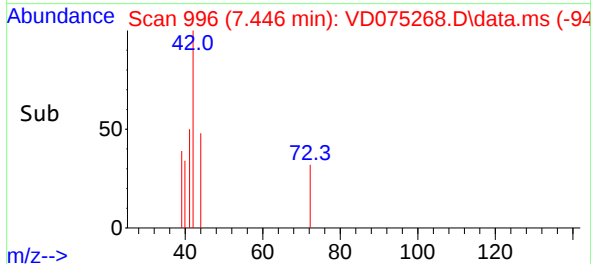
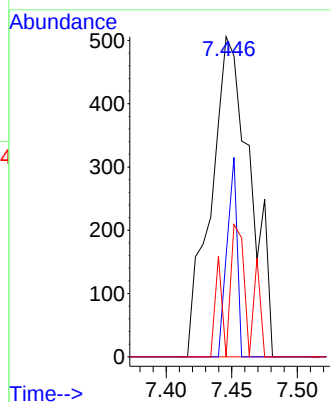
MSVOA_D

ClientSampleId :

TOT-VOC-GRAB-32



Tgt Ion: 42	Resp: 1054
Ion Ratio	Lower Upper
42	100
72	15.9 33.8 50.8#
71	23.8 31.6 47.4#



#31

Cyclohexane

Concen: 1.214 ug/l

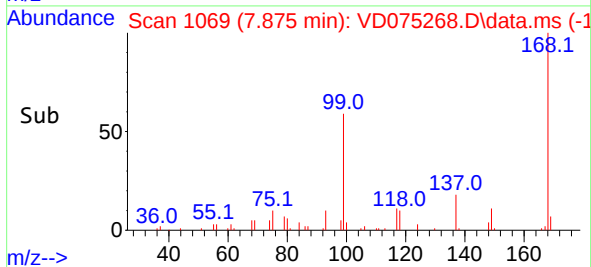
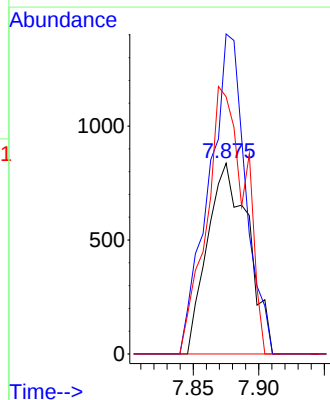
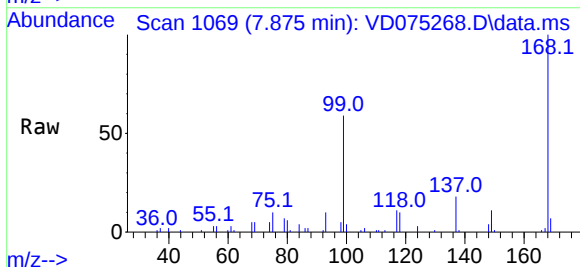
RT: 7.875 min Scan# 1069

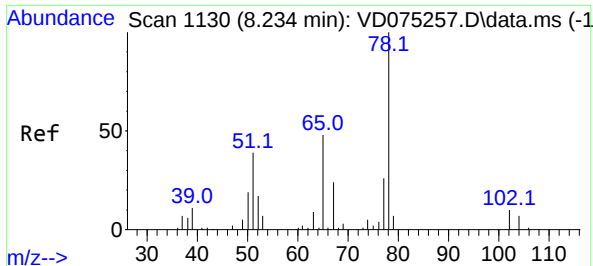
Delta R.T. -0.006 min

Lab File: VD075268.D

Acq: 08 Feb 2023 13:34

Tgt Ion: 56	Resp: 1810
Ion Ratio	Lower Upper
56	100
69	167.7 26.6 40.0#
84	134.8 74.1 111.1#

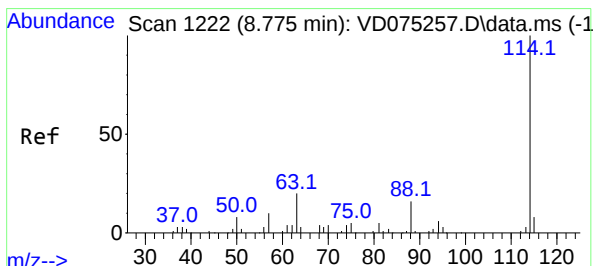
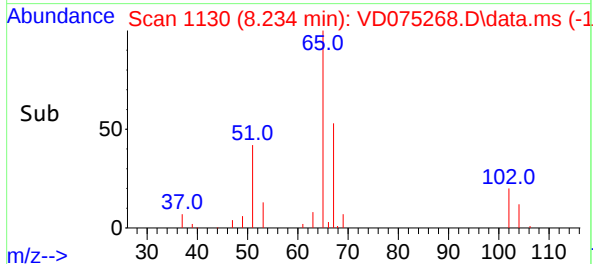
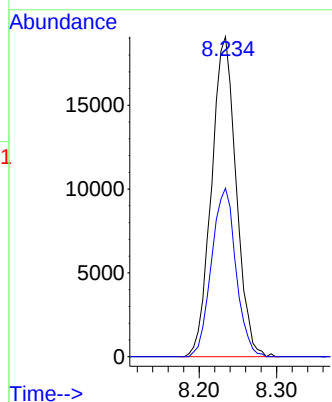
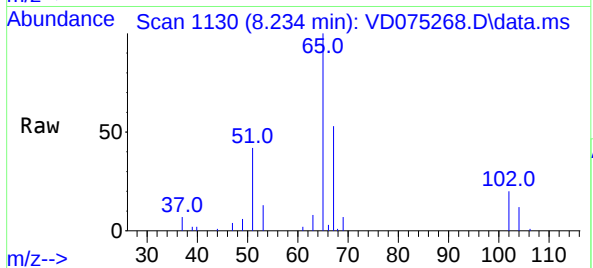




#33
1,2-Dichloroethane-d4
Concen: 50.164 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD075268.D
Acq: 08 Feb 2023 13:34

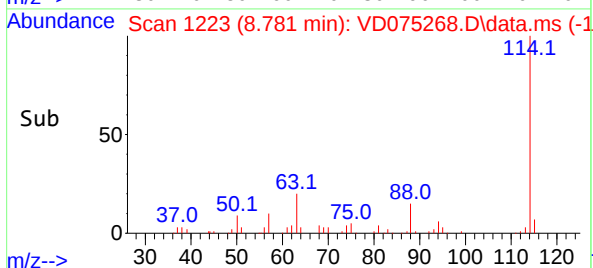
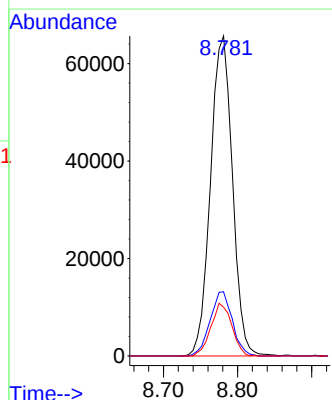
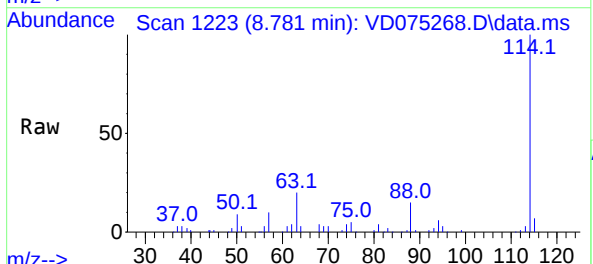
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-32

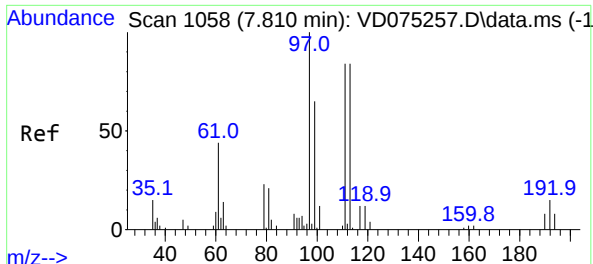
Tgt Ion: 65 Resp: 42133
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 1223
Delta R.T. 0.006 min
Lab File: VD075268.D
Acq: 08 Feb 2023 13:34

Tgt Ion: 114 Resp: 135038
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.2
88 15.3 0.0 32.2

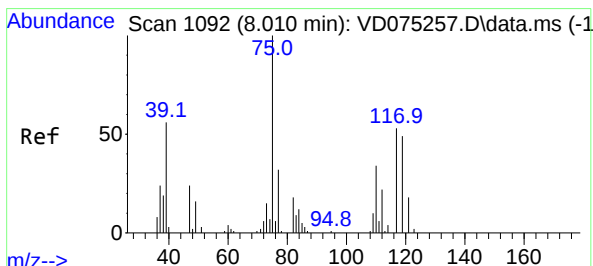
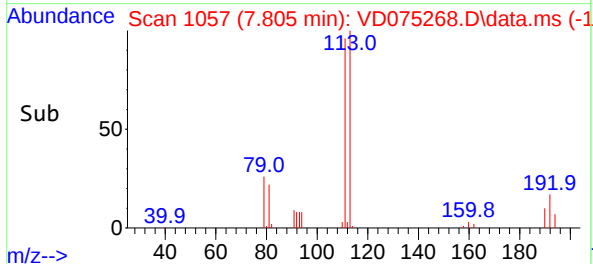
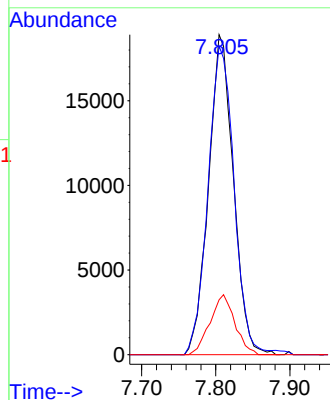
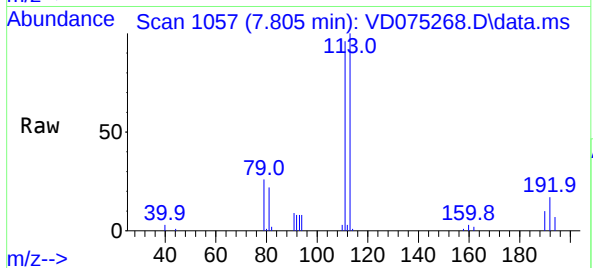




#35
Dibromofluoromethane
Concen: 46.516 ug/l
RT: 7.805 min Scan# 1069
Delta R.T. -0.005 min
Lab File: VD075268.D
Acq: 08 Feb 2023 13:34

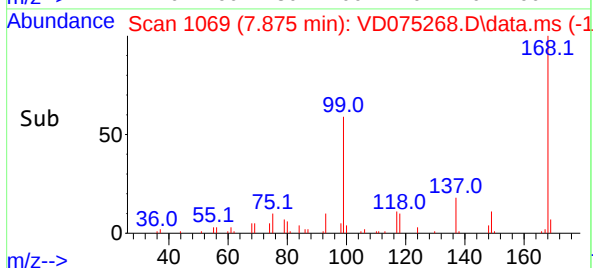
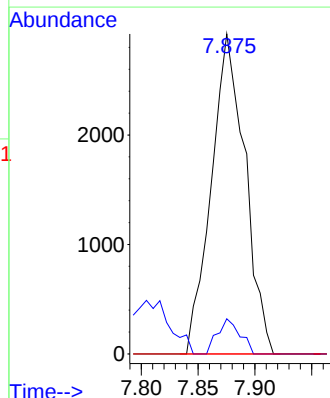
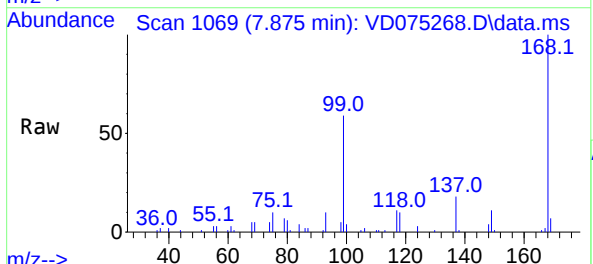
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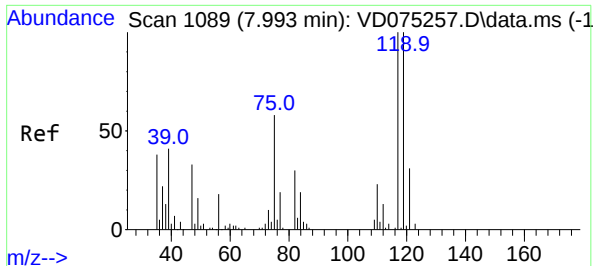
Tgt Ion:113 Resp: 44045
Ion Ratio Lower Upper
113 100
111 101.6 80.1 120.1
192 18.7 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.092 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD075268.D
Acq: 08 Feb 2023 13:34

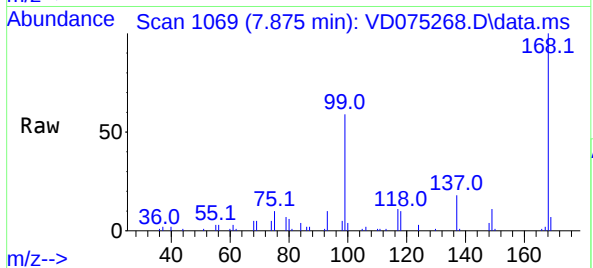
Tgt Ion: 75 Resp: 6036
Ion Ratio Lower Upper
75 100
110 7.3 18.1 54.4#
77 0.0 25.1 37.7#



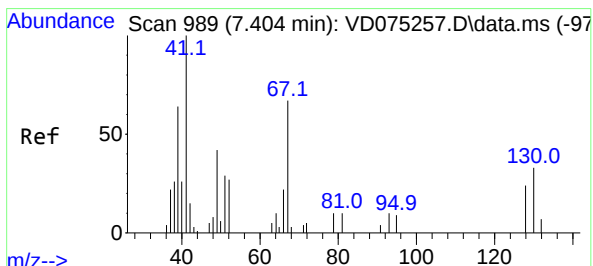
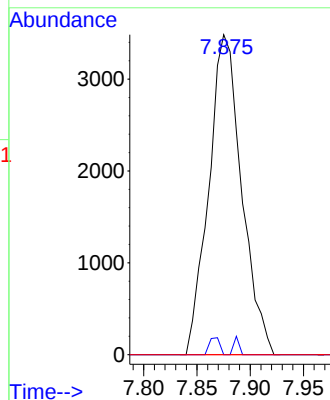
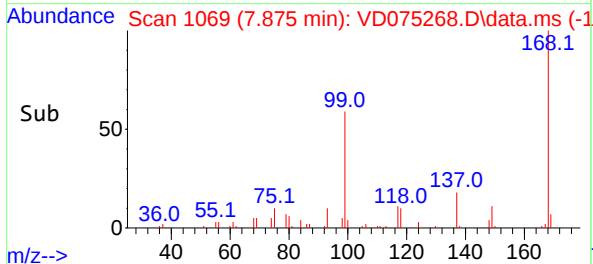


#38
Carbon Tetrachloride
Concen: 5.474 ug/l
RT: 7.875 min Scan# 1089
Delta R.T. -0.118 min
Lab File: VD075268.D
Acq: 08 Feb 2023 13:34

Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-32

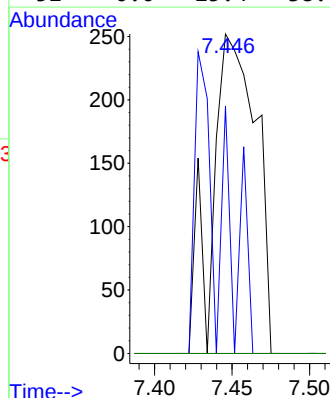
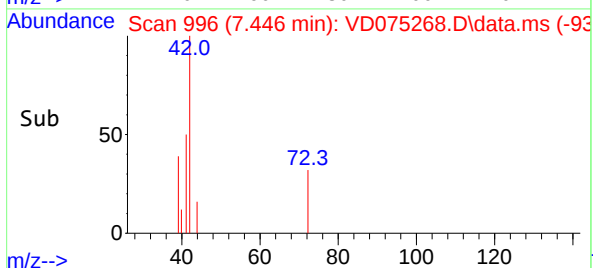
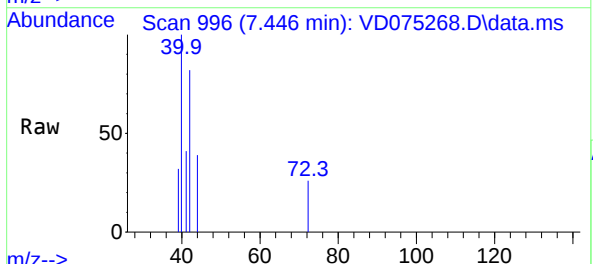


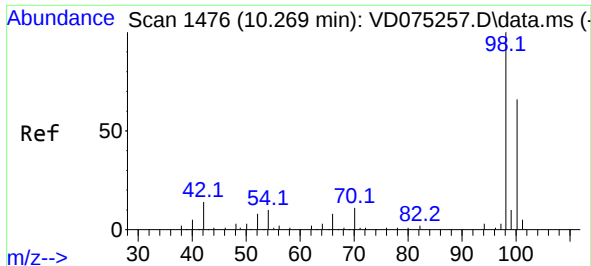
Tgt Ion:117 Resp: 7482
Ion Ratio Lower Upper
117 100
119 0.0 73.6 110.4#
121 0.0 25.4 38.0#



#41
Methacrylonitrile
Concen: 1.292 ug/l
RT: 7.446 min Scan# 996
Delta R.T. 0.042 min
Lab File: VD075268.D
Acq: 08 Feb 2023 13:34

Tgt Ion: 41 Resp: 496
Ion Ratio Lower Upper
41 100
39 31.3 57.8 86.6#
67 0.0 60.5 90.7#
52 0.0 25.4 38.0#

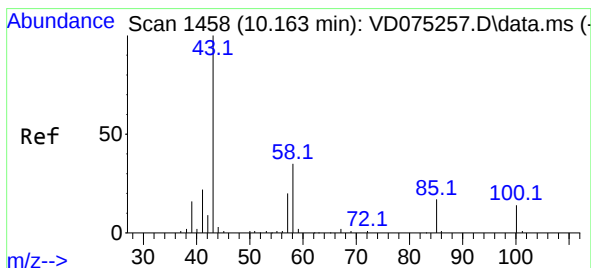
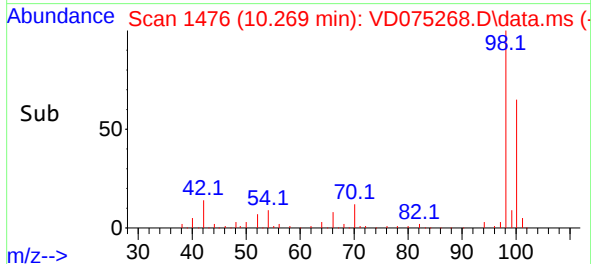
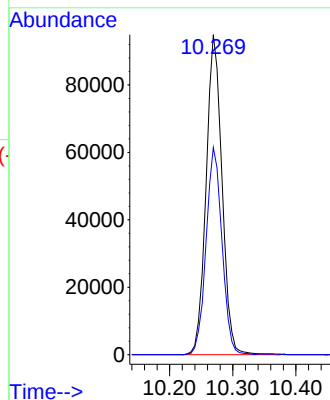
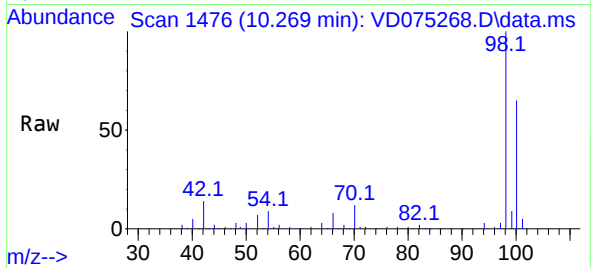




#50
Toluene-d8
Concen: 46.191 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075268.D
Acq: 08 Feb 2023 13:34

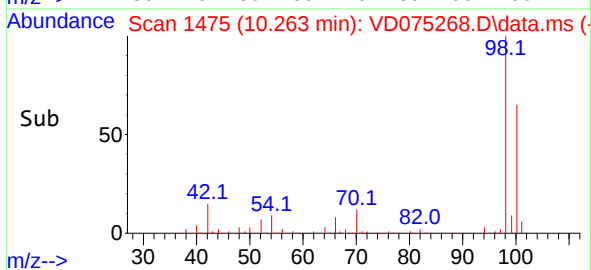
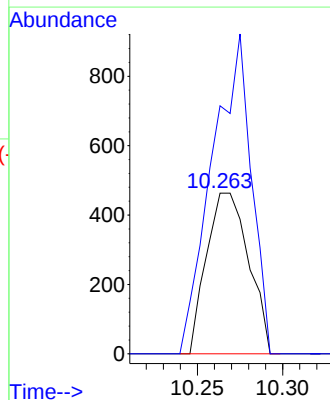
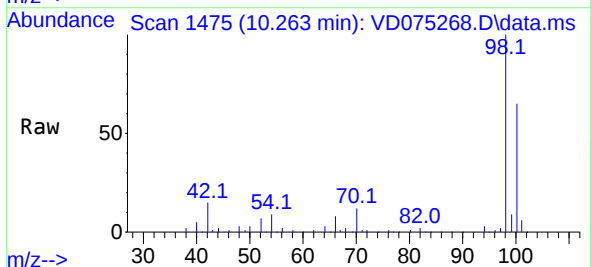
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-32

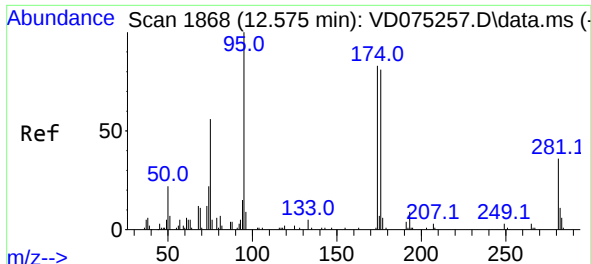
Tgt Ion: 98 Resp: 165869
Ion Ratio Lower Upper
98 100
100 64.8 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.284 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. 0.100 min
Lab File: VD075268.D
Acq: 08 Feb 2023 13:34

Tgt Ion: 43 Resp: 798
Ion Ratio Lower Upper
43 100
58 184.5 31.4 47.0#

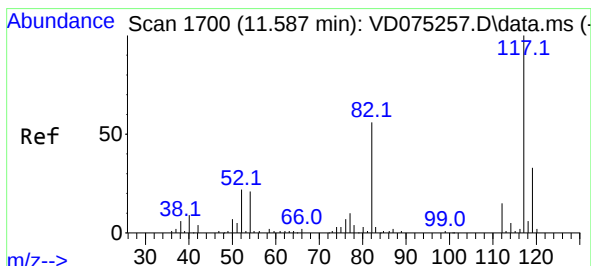
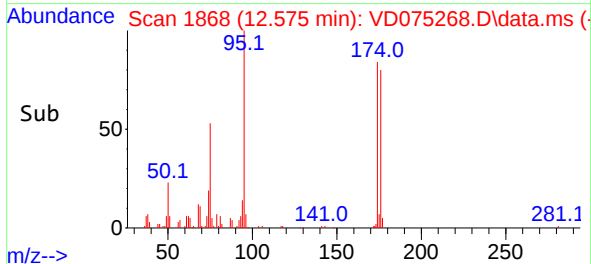
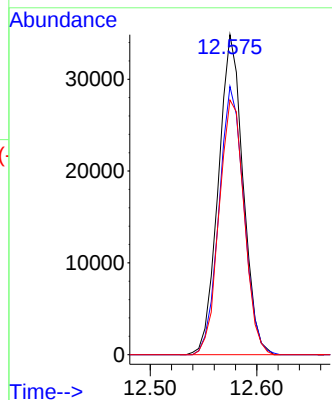
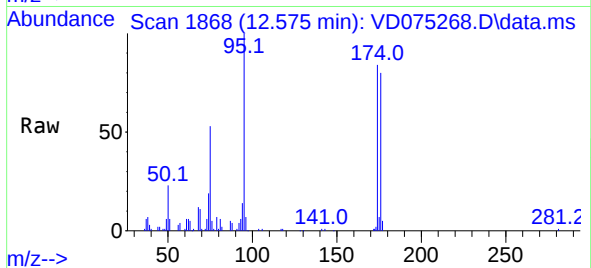




#62
4-Bromofluorobenzene
Concen: 47.383 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075268.D
Acq: 08 Feb 2023 13:34

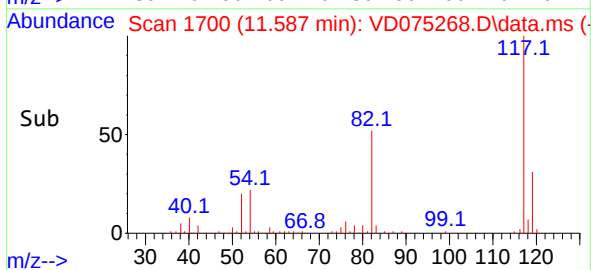
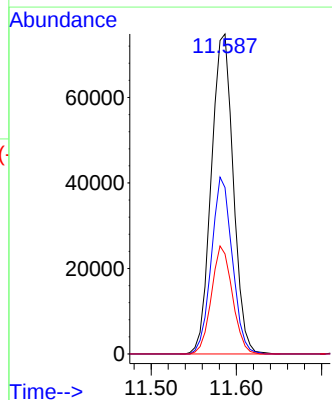
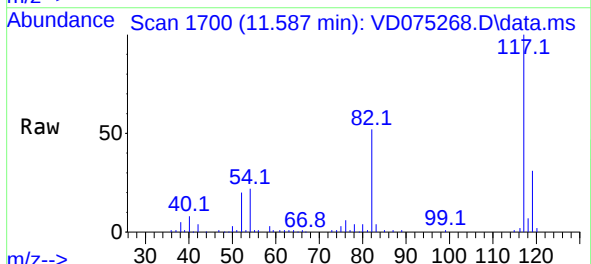
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-32

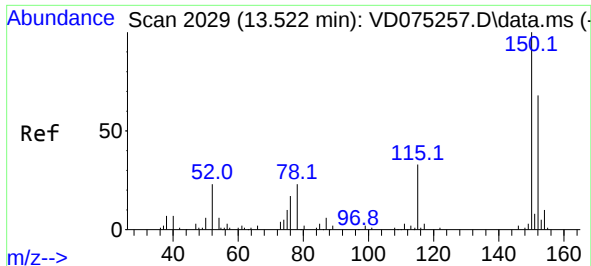
Tgt Ion:	95	Resp:	56104
Ion Ratio	Lower	Upper	
95	100		
174	84.0	0.0	161.2
176	80.8	0.0	160.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VD075268.D
Acq: 08 Feb 2023 13:34

Tgt Ion:	117	Resp:	133777
Ion Ratio	Lower	Upper	
117	100		
82	52.0	39.6	59.4
119	31.3	24.6	37.0

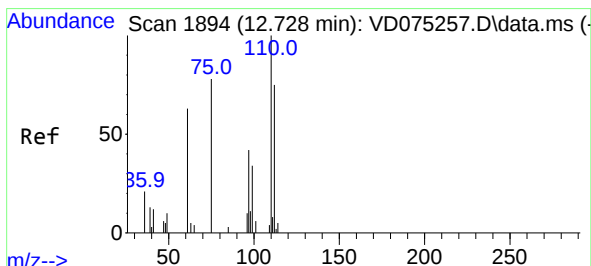
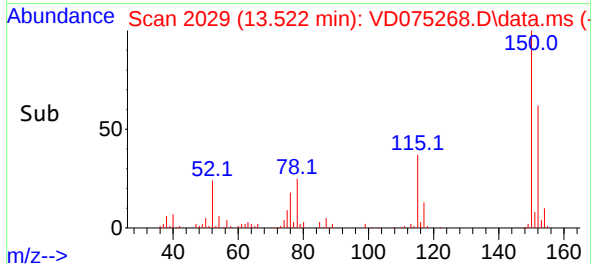
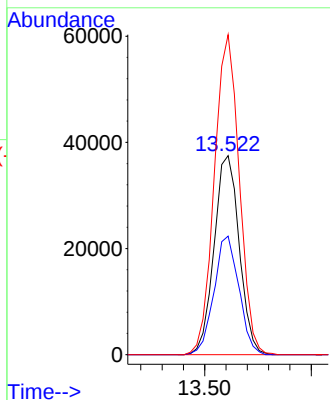
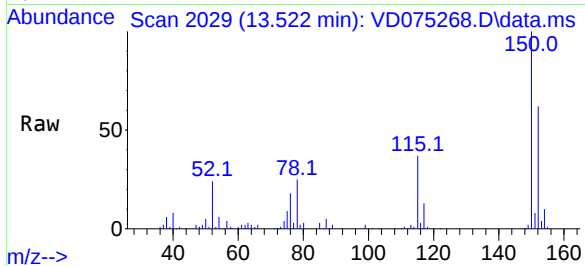




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075268.D
Acq: 08 Feb 2023 13:34

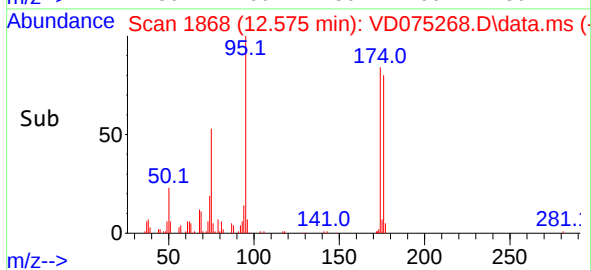
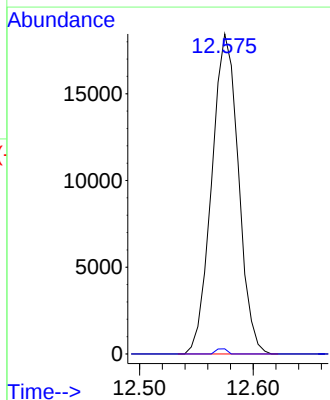
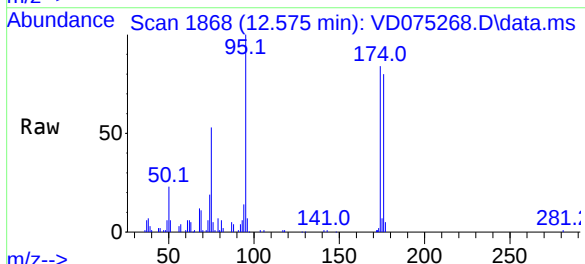
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-32

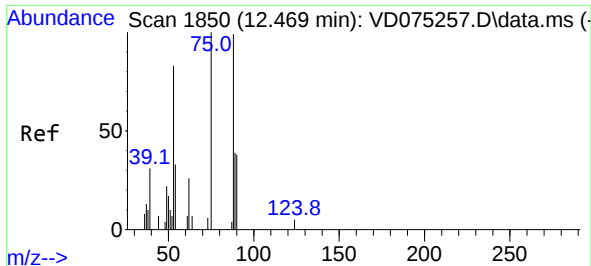
Tgt Ion:152 Resp: 61397
Ion Ratio Lower Upper
152 100
115 59.1 28.8 86.4
150 159.3 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 43.215 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075268.D
Acq: 08 Feb 2023 13:34

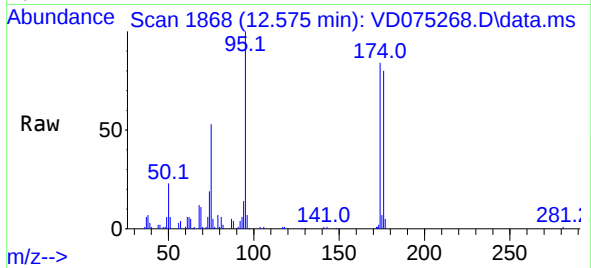
Tgt Ion: 75 Resp: 30137
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 136.492 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075268.D
Acq: 08 Feb 2023 13:34

Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-32



Tgt Ion: 75 Resp: 30137
Ion Ratio Lower Upper
75 100
53 0.0 70.5 105.7#
89 0.0 34.6 52.0#

