

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020823\
 Data File : VD075267.D
 Acq On : 08 Feb 2023 13:06
 Operator : KP/SY
 Sample : 01463-03
 Misc : 3.50G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOT-VOC-GRAB-28

Quant Time: Feb 09 05:41:10 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)

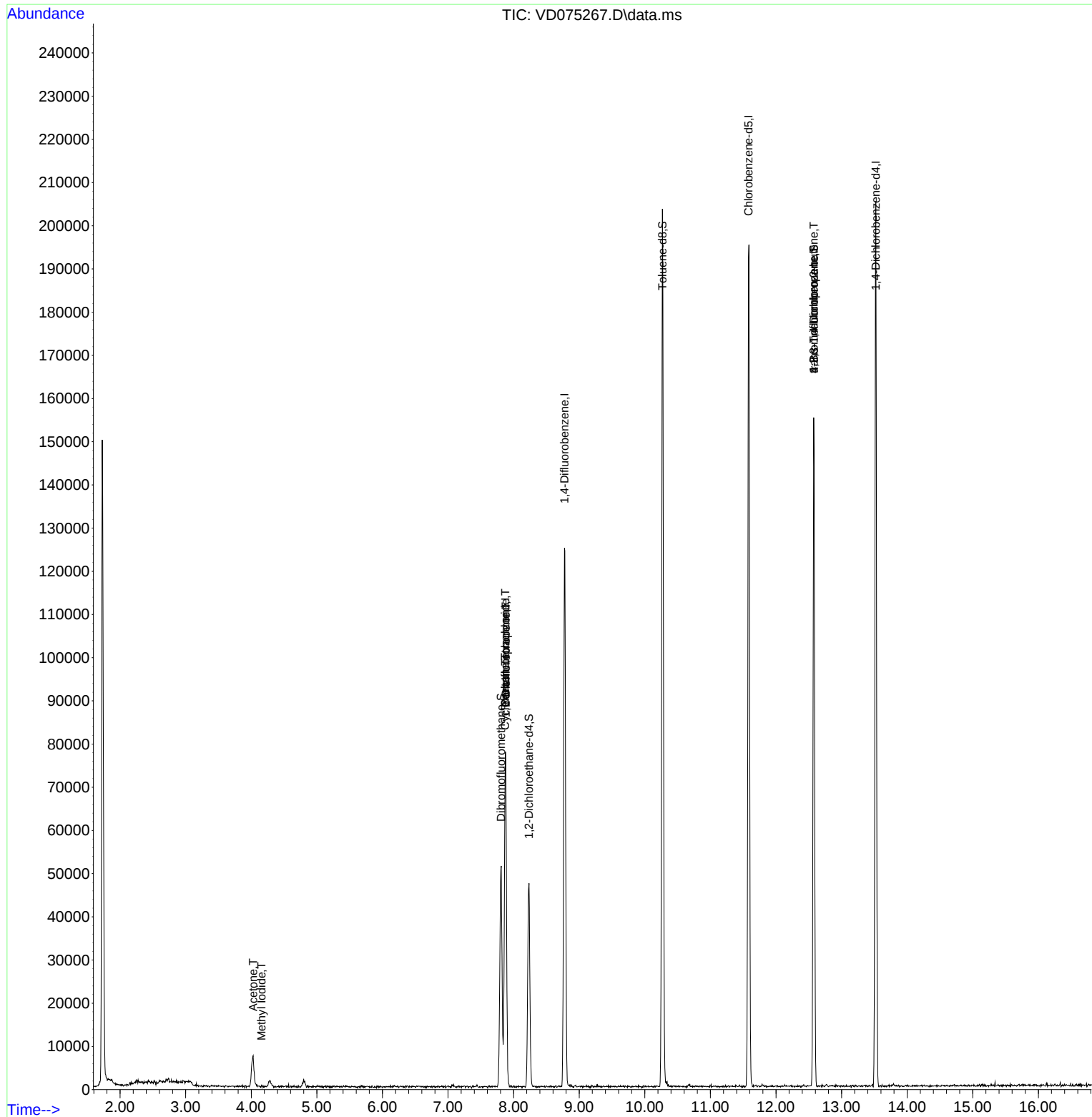
Internal Standards						
1) Pentafluorobenzene	7.875	168	58453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	109311	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	109981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	51825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	37780	55.120	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.240%
35) Dibromofluoromethane	7.811	113	35437	46.233	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.460%
50) Toluene-d8	10.269	98	134197	46.167	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.340%
62) 4-Bromofluorobenzene	12.575	95	47936	50.013	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.020%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	66	Below Cal	#	43
3) Chloromethane	2.146	50	307	Below Cal	#	41
10) Methyl Iodide	4.158	142	58	2.632	ug/l #	42
16) Acetone	4.028	43	12893	71.139	ug/l #	87
18) Methyl Acetate	4.570	43	71	Below Cal	#	52
20) Methylene Chloride	4.793	84	453	Below Cal	#	75
31) Cyclohexane	7.869	56	1673	1.375	ug/l #	18
36) 1,1-Dichloropropene	7.881	75	4839	4.053	ug/l #	46
38) Carbon Tetrachloride	7.875	117	6395	5.780	ug/l #	20
76) 1,2,3-Trichloropropane	12.575	75	25919	44.031	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	25919	139.031	ug/l #	14

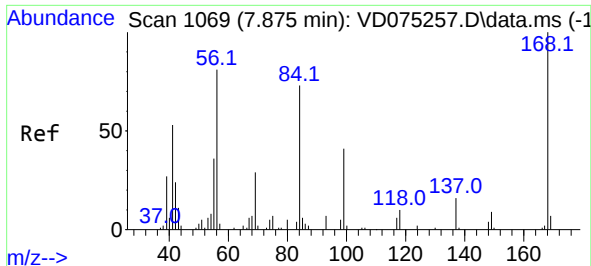
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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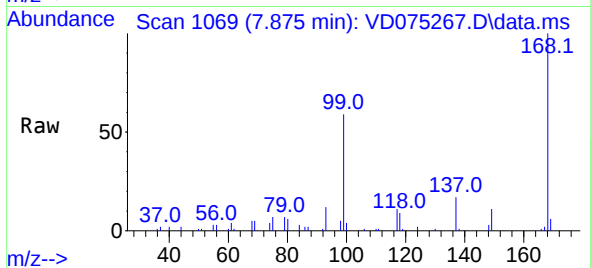
Quant Time: Feb 09 05:41:10 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
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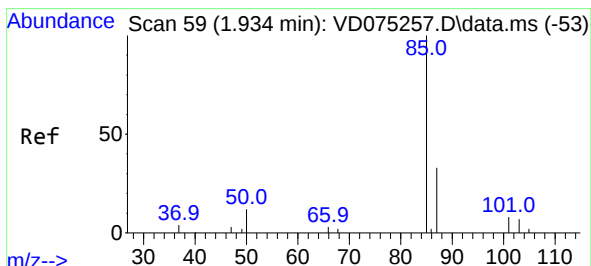
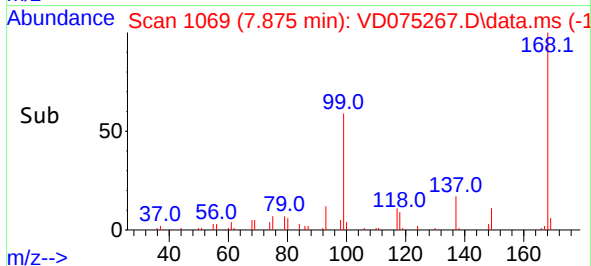
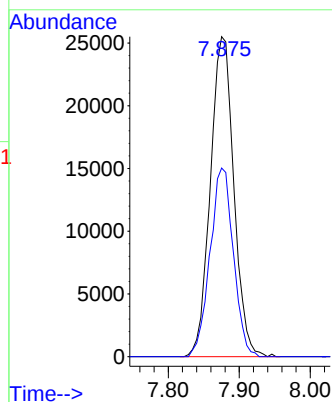


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075267.D
Acq: 08 Feb 2023 13:06

Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-28

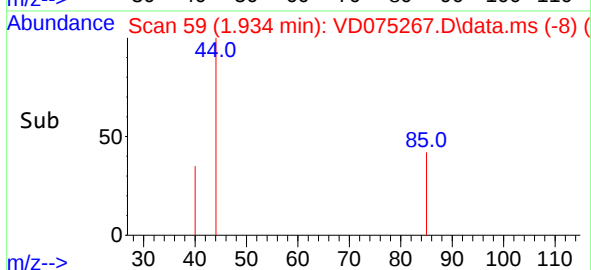
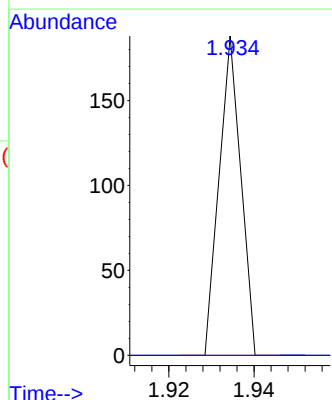
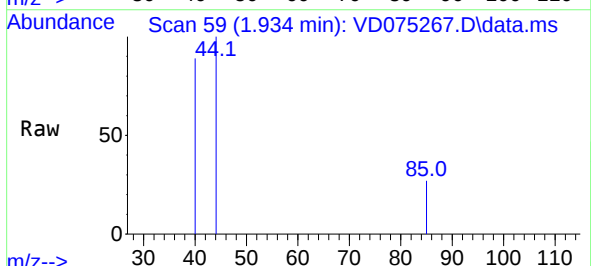


Tgt Ion:168 Resp: 58453
Ion Ratio Lower Upper
168 100
99 59.0 45.2 67.8

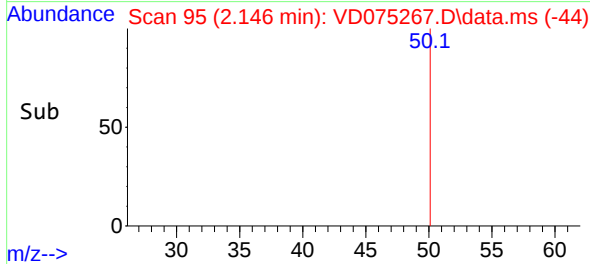
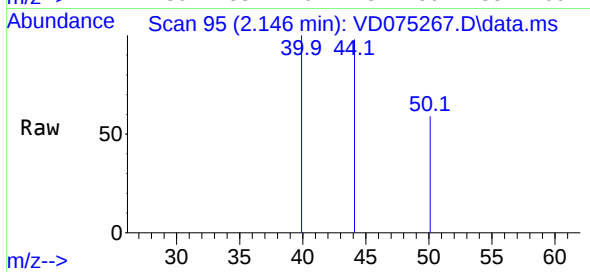
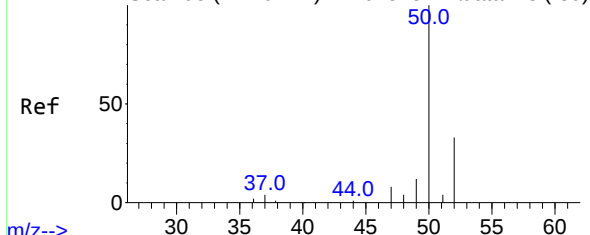


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD075267.D
Acq: 08 Feb 2023 13:06

Tgt Ion: 85 Resp: 66
Ion Ratio Lower Upper
85 100
87 0.0 15.7 47.0#



Abundance Scan 95 (2.146 min): VD075257.D\data.ms (-89)



#3

Chloromethane

Concen: Below Cal

RT: 2.146 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD075267.D

Acq: 08 Feb 2023 13:06

Instrument :

MSVOA_D

ClientSampleId :

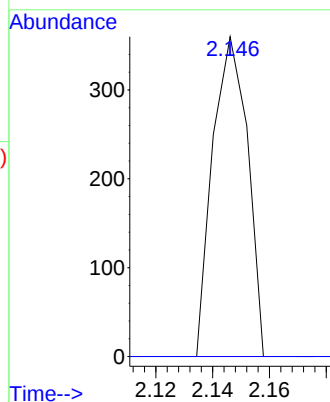
TOT-VOC-GRAB-28

Tgt Ion: 50 Resp: 307

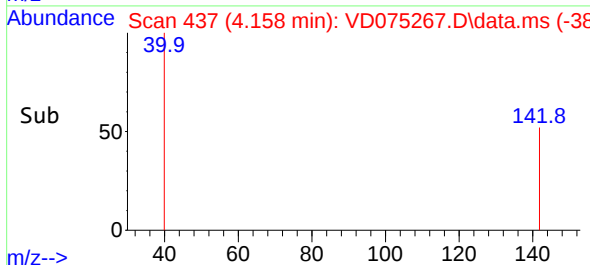
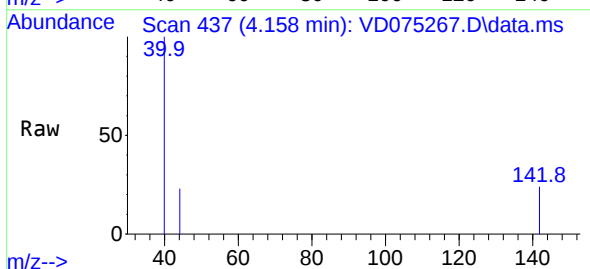
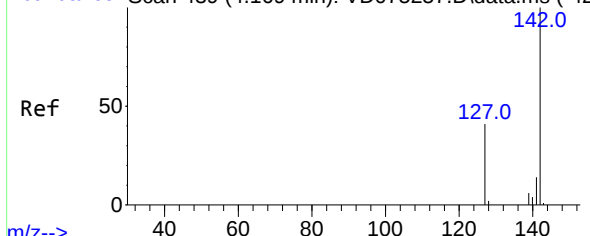
Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.6#



Abundance Scan 439 (4.169 min): VD075257.D\data.ms (-42)



#10

Methyl Iodide

Concen: 2.632 ug/l

RT: 4.158 min Scan# 437

Delta R.T. -0.011 min

Lab File: VD075267.D

Acq: 08 Feb 2023 13:06

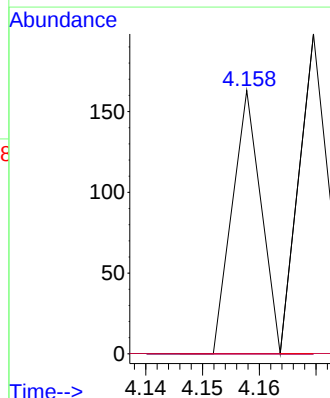
Tgt Ion: 142 Resp: 58

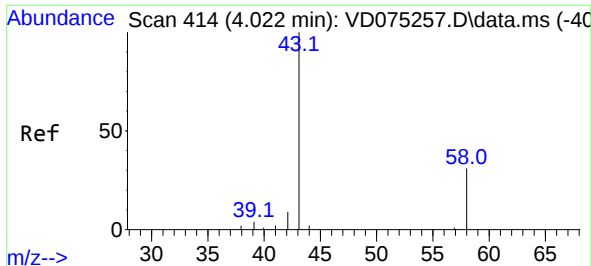
Ion Ratio Lower Upper

142 100

127 0.0 33.6 50.4#

141 0.0 11.1 16.7#

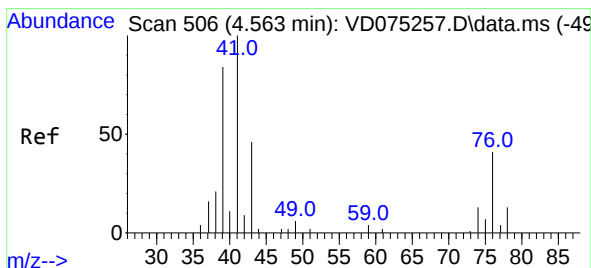
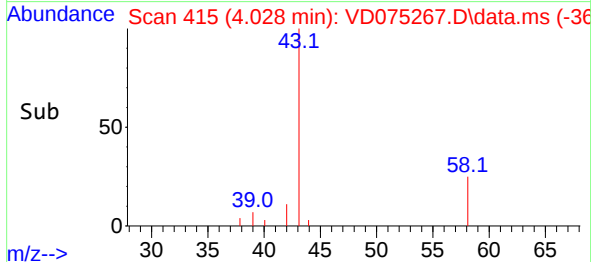
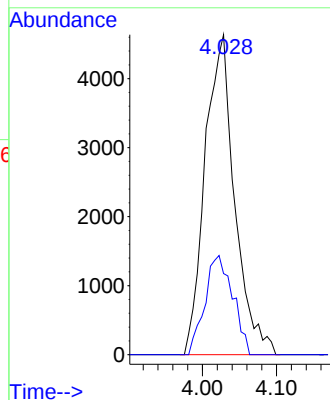
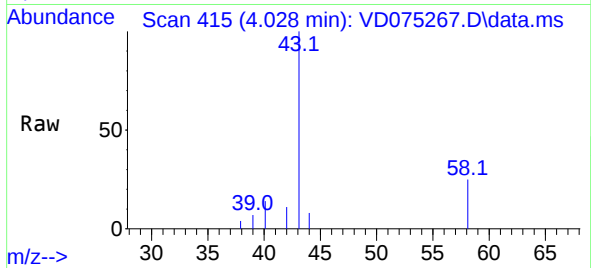




#16
Acetone
Concen: 71.139 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD075267.D
Acq: 08 Feb 2023 13:06

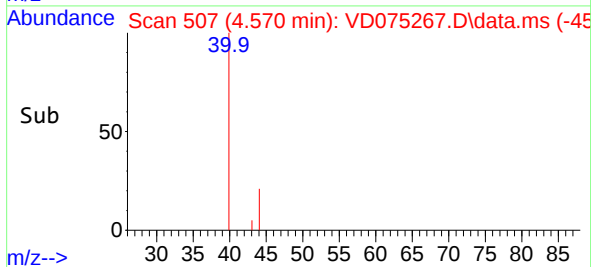
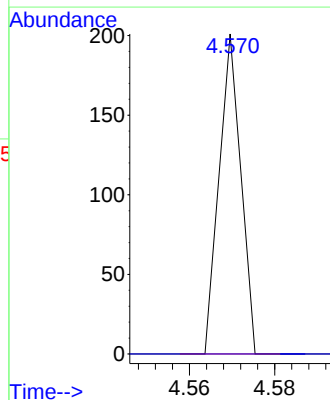
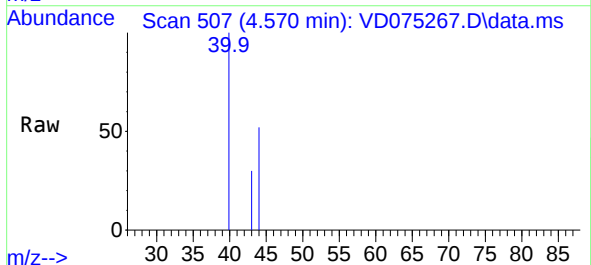
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-28

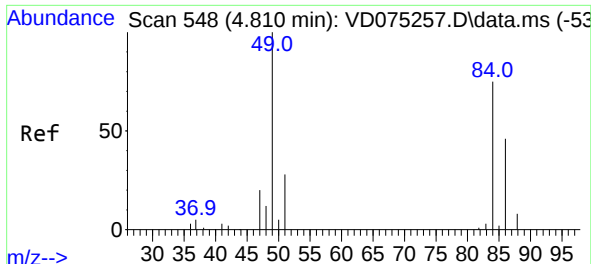
Tgt Ion: 43 Resp: 12893
Ion Ratio Lower Upper
43 100
58 25.3 26.0 39.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.570 min Scan# 507
Delta R.T. 0.007 min
Lab File: VD075267.D
Acq: 08 Feb 2023 13:06

Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
74 0.0 18.5 27.7#



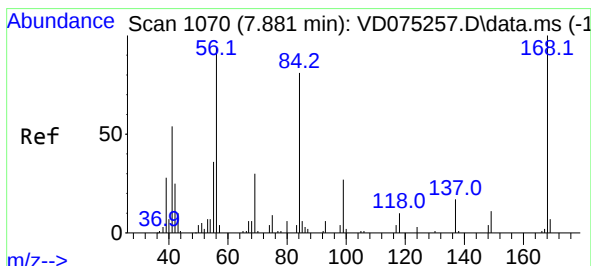
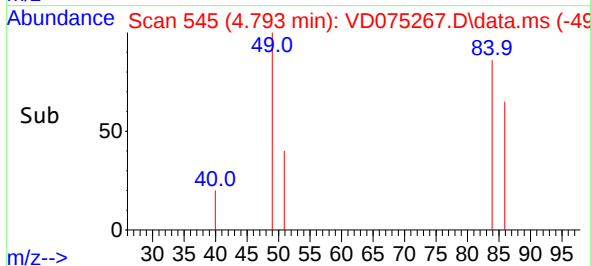
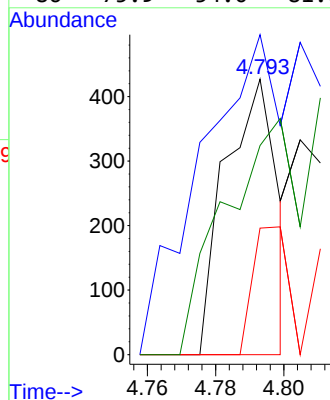
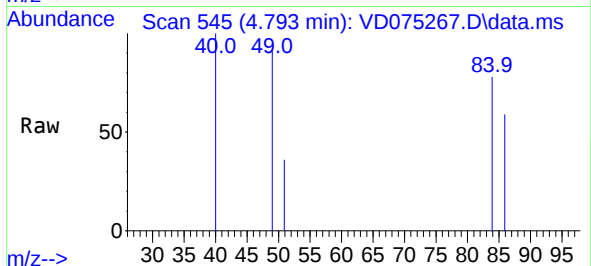


#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 54
Delta R.T. -0.017 min
Lab File: VD075267.D
Acq: 08 Feb 2023 13:06

Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-28

Tgt Ion: 84 Resp: 453

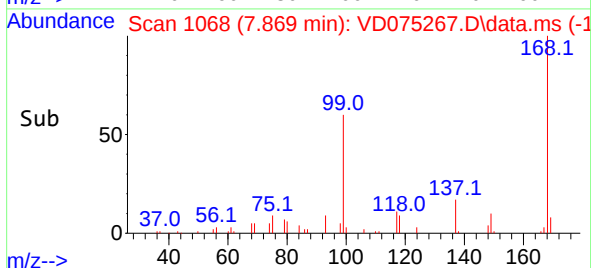
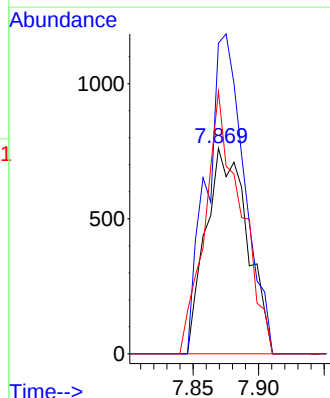
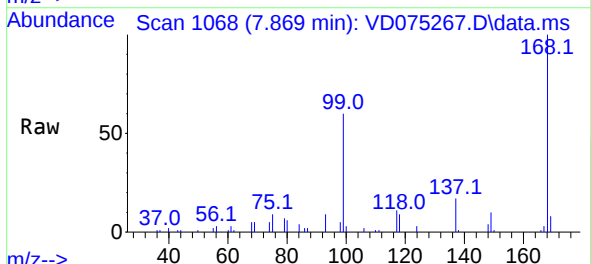
Ion	Ratio	Lower	Upper
84	100		
49	79.4	97.0	145.6#
51	45.9	30.9	46.3
86	75.9	54.0	81.0

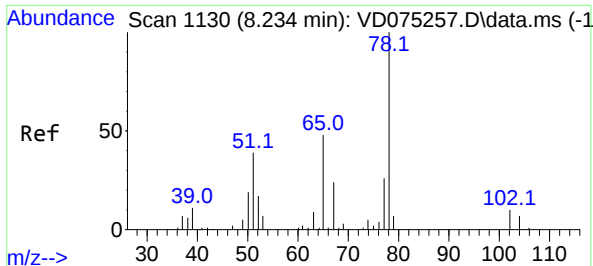


#31
Cyclohexane
Concen: 1.375 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD075267.D
Acq: 08 Feb 2023 13:06

Tgt Ion: 56 Resp: 1673

Ion	Ratio	Lower	Upper
56	100		
69	151.1	26.6	40.0#
84	127.7	74.1	111.1#

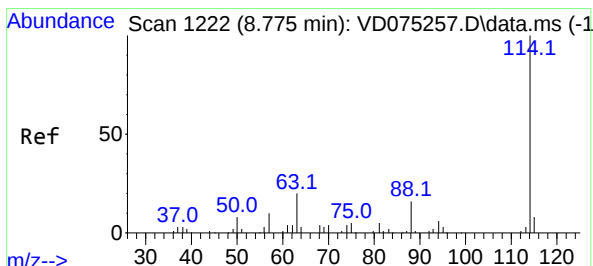
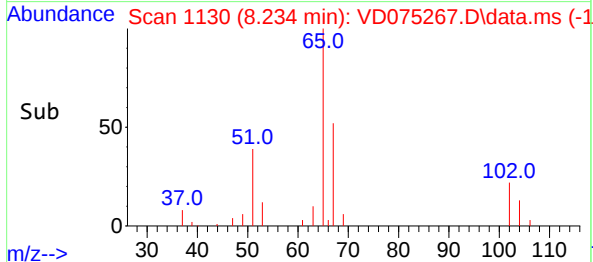
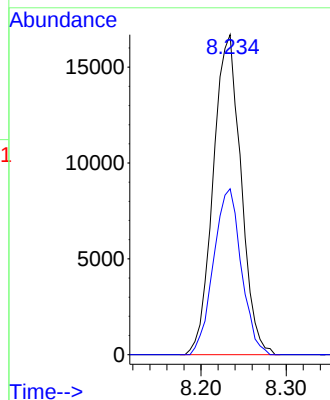
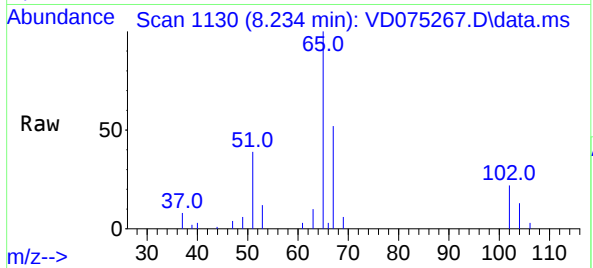




#33
1,2-Dichloroethane-d4
Concen: 55.120 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD075267.D
Acq: 08 Feb 2023 13:06

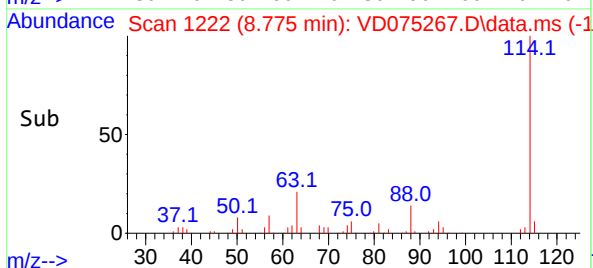
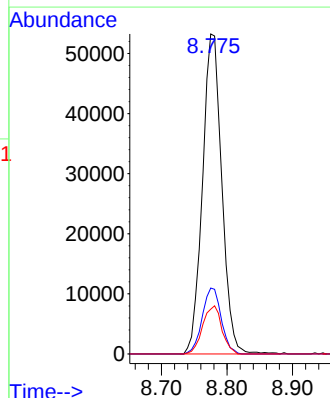
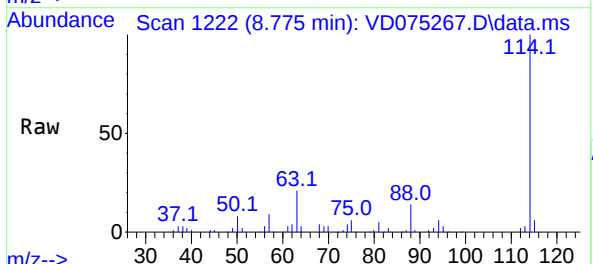
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-28

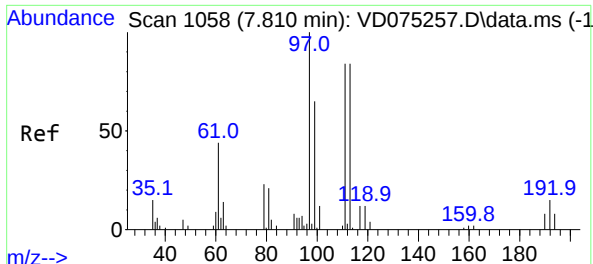
Tgt Ion: 65 Resp: 37780
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VD075267.D
Acq: 08 Feb 2023 13:06

Tgt Ion: 114 Resp: 109311
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.2
88 14.0 0.0 32.2

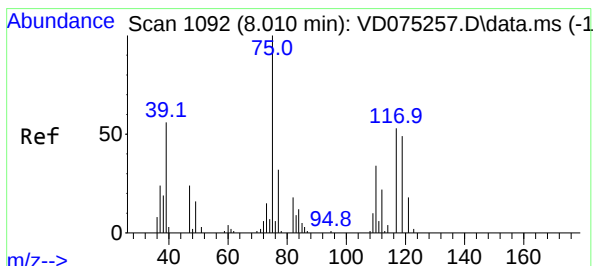
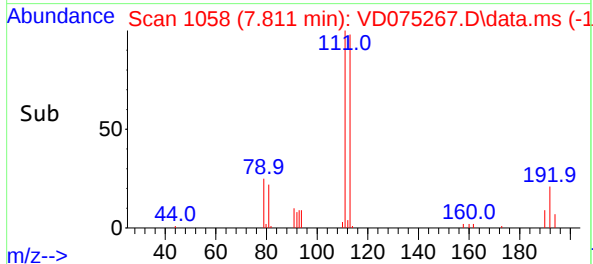
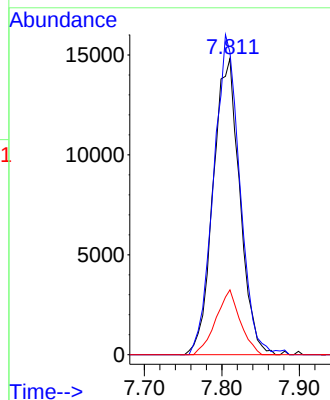
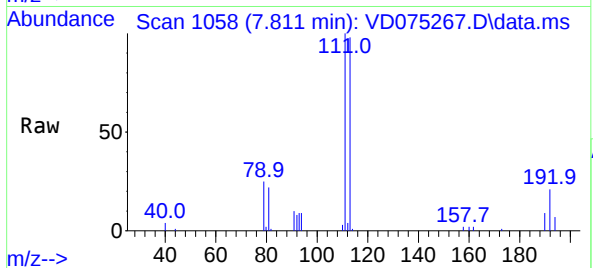




#35
Dibromofluoromethane
Concen: 46.233 ug/l
RT: 7.811 min Scan# 1070
Delta R.T. 0.001 min
Lab File: VD075267.D
Acq: 08 Feb 2023 13:06

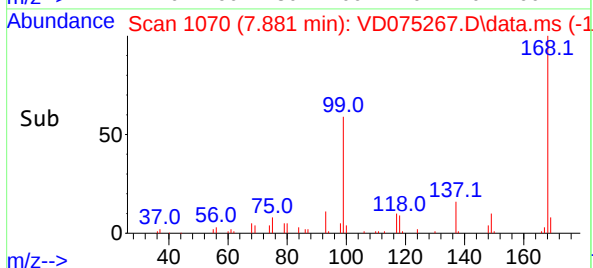
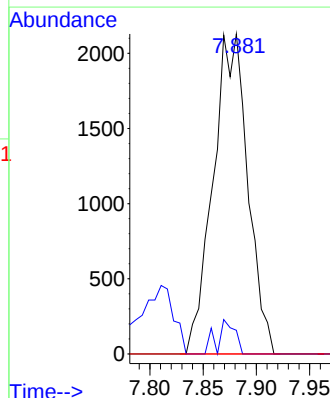
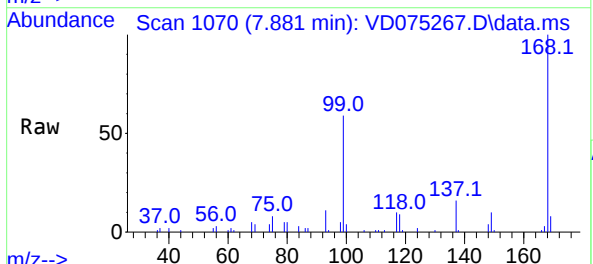
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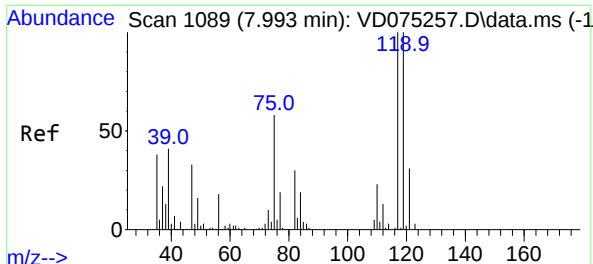
Tgt Ion:113 Resp: 35437
Ion Ratio Lower Upper
113 100
111 106.6 80.1 120.1
192 20.0 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.053 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.129 min
Lab File: VD075267.D
Acq: 08 Feb 2023 13:06

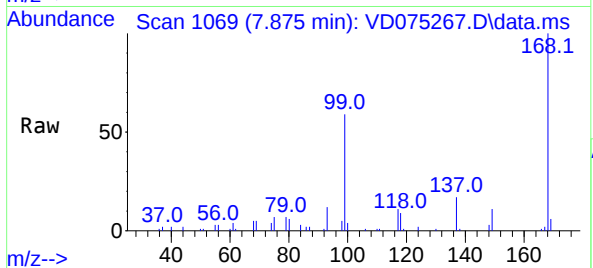
Tgt Ion: 75 Resp: 4839
Ion Ratio Lower Upper
75 100
110 5.3 18.1 54.4#
77 0.0 25.1 37.7#



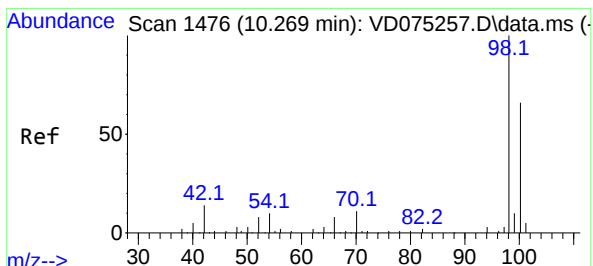
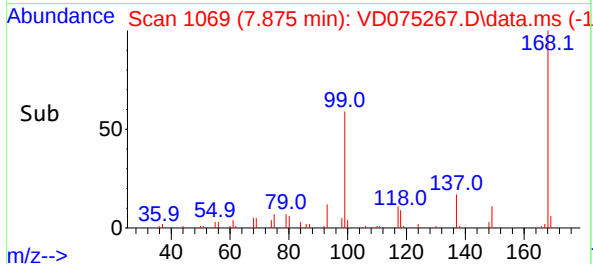
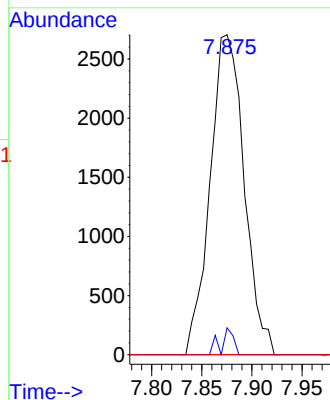


#38
Carbon Tetrachloride
Concen: 5.780 ug/l
RT: 7.875 min Scan# 1089
Delta R.T. -0.118 min
Lab File: VD075267.D
Acq: 08 Feb 2023 13:06

Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-28

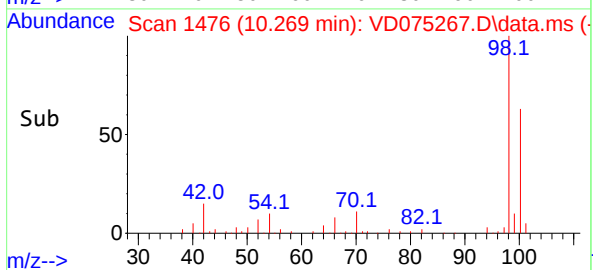
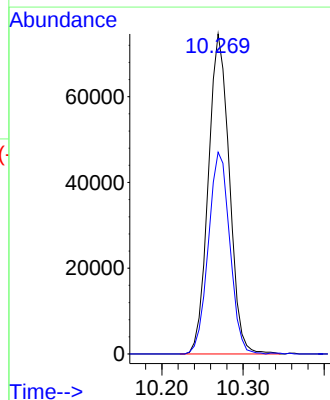
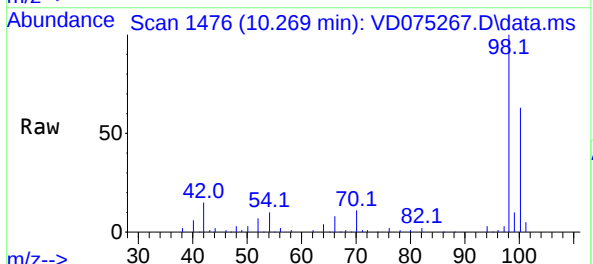


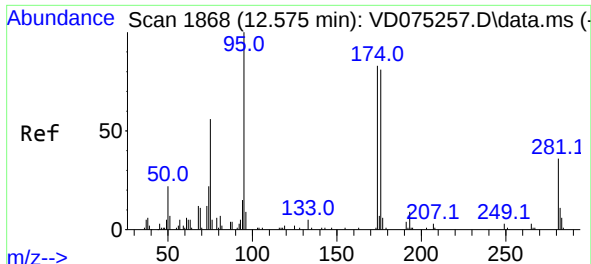
Tgt Ion:117 Resp: 6395
Ion Ratio Lower Upper
117 100
119 8.4 73.6 110.4#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 46.167 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075267.D
Acq: 08 Feb 2023 13:06

Tgt Ion: 98 Resp: 134197
Ion Ratio Lower Upper
98 100
100 64.2 52.7 79.1

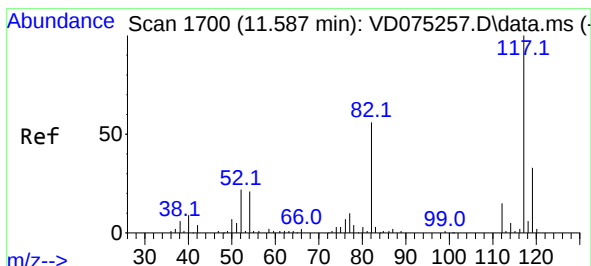
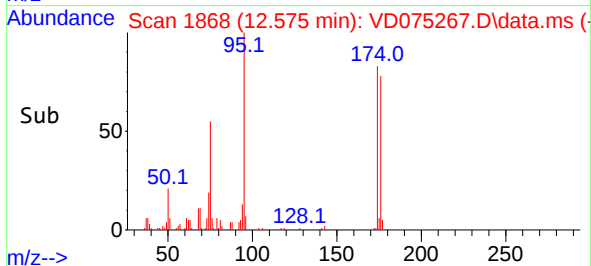
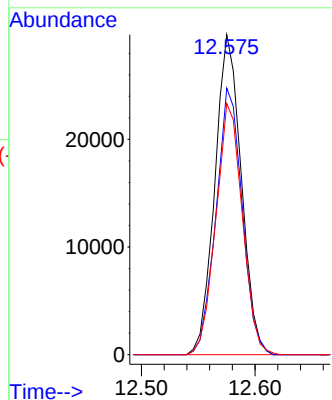
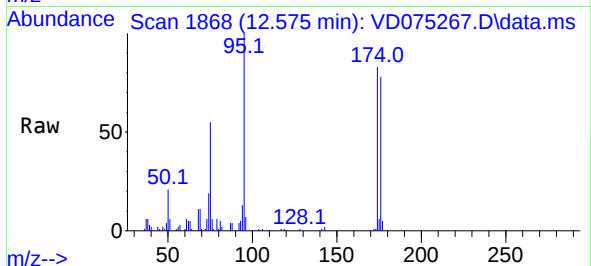




#62
4-Bromofluorobenzene
Concen: 50.013 ug/l
RT: 12.575 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VD075267.D
Acq: 08 Feb 2023 13:06

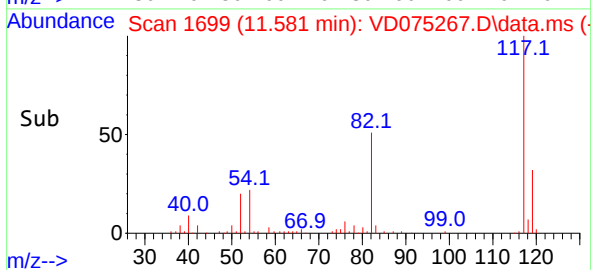
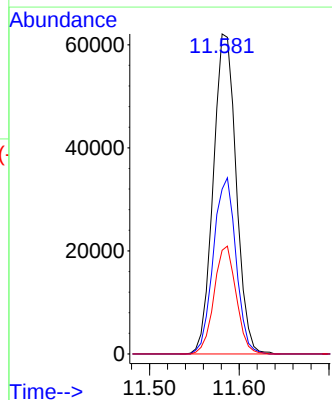
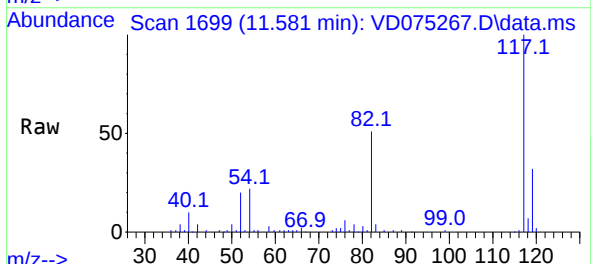
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-28

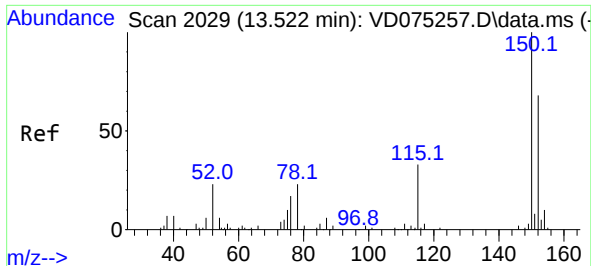
Tgt Ion: 95 Resp: 47936
Ion Ratio Lower Upper
95 100
174 82.6 0.0 161.2
176 78.6 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD075267.D
Acq: 08 Feb 2023 13:06

Tgt Ion: 117 Resp: 109981
Ion Ratio Lower Upper
117 100
82 51.5 39.6 59.4
119 32.4 24.6 37.0

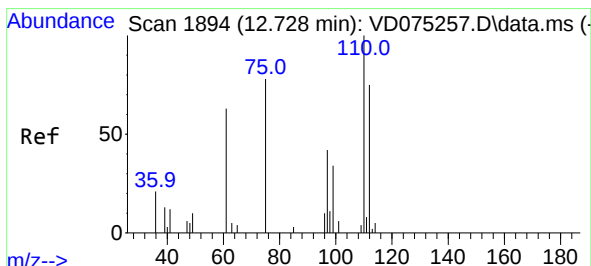
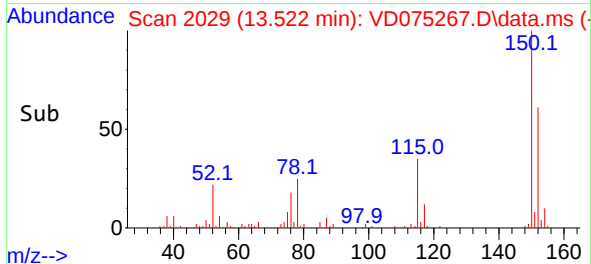
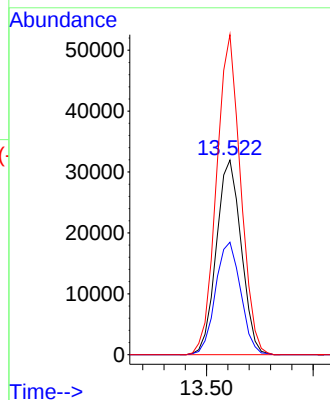
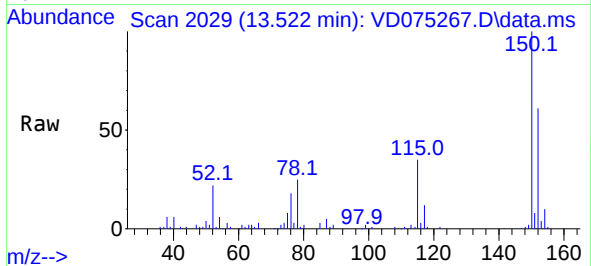




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075267.D
Acq: 08 Feb 2023 13:06

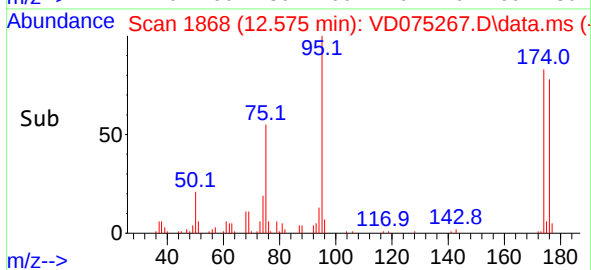
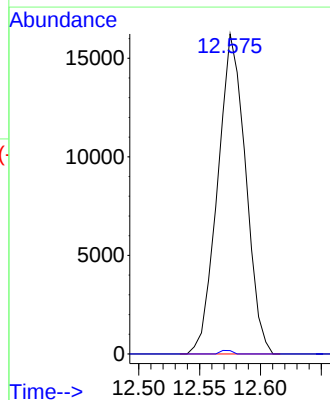
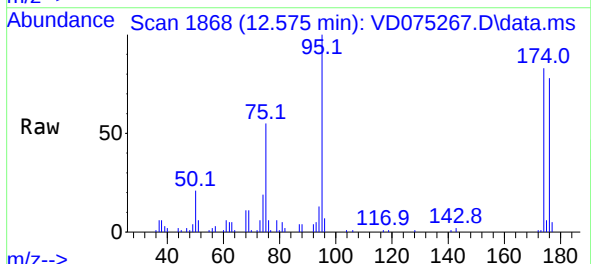
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-28

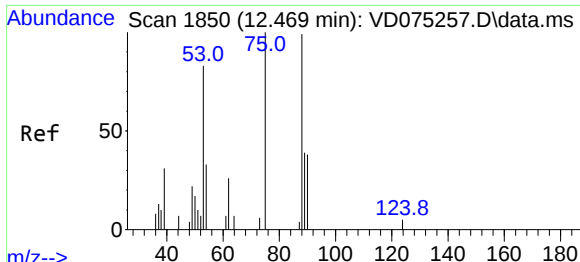
Tgt Ion:152 Resp: 51825
Ion Ratio Lower Upper
152 100
115 58.6 28.8 86.4
150 159.1 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 44.031 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075267.D
Acq: 08 Feb 2023 13:06

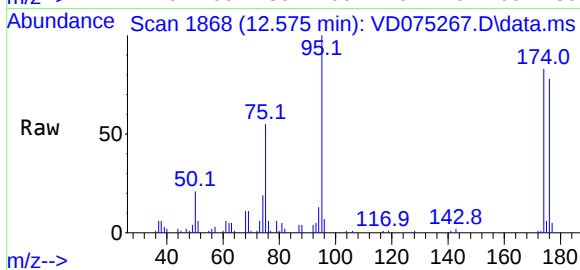
Tgt Ion: 75 Resp: 25919
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.031 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD075267.D
 Acq: 08 Feb 2023 13:06

Instrument :
 MSVOA_D
 ClientSampleId :
 TOT-VOC-GRAB-28



Tgt Ion: 75 Resp: 25919
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.5 105.7#
 89 0.0 34.6 52.0#

