

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021423\
 Data File : VD075337.D
 Acq On : 14 Feb 2023 12:24
 Operator : KP/SY
 Sample : 01537-07
 Misc : 10.71G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOT-VOC-GRAB-4

Quant Time: Feb 15 03:31:48 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	59292	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	107298	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	107558	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	49015	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	33575	48.292	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.580%
35) Dibromofluoromethane	7.810	113	34370	45.682	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.360%
50) Toluene-d8	10.269	98	132087	46.293	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.580%
62) 4-Bromofluorobenzene	12.575	95	46143	49.045	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.100%

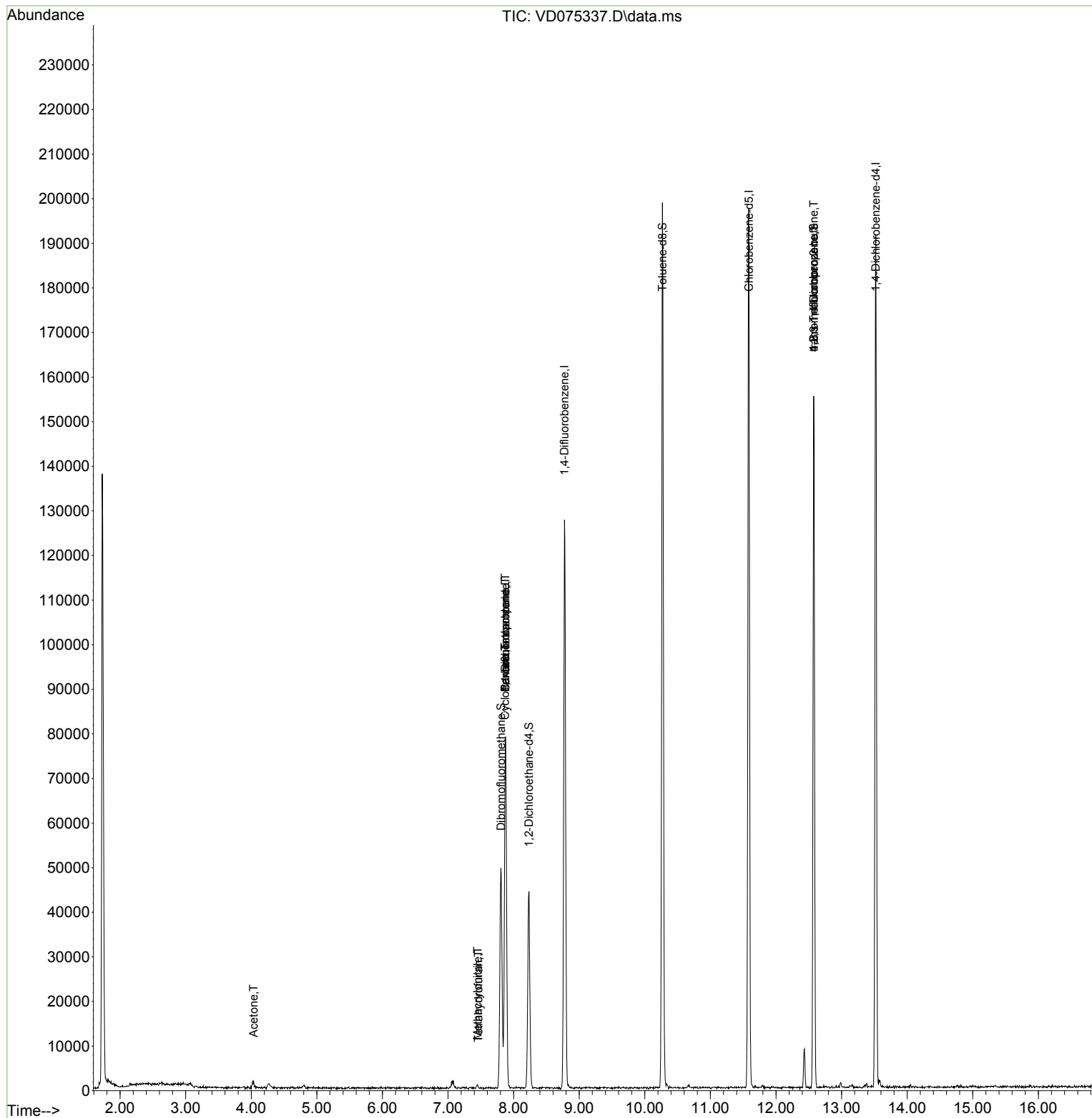
Target Compounds			Qvalue			
3) Chloromethane	2.152	50	225	Below Cal	#	41
16) Acetone	4.034	43	2357	12.821	ug/l #	78
20) Methylene Chloride	4.811	84	284	Below Cal	#	62
29) Tetrahydrofuran	7.463	42	208	1.696	ug/l #	61
31) Cyclohexane	7.869	56	1736	1.406	ug/l #	26
36) 1,1-Dichloropropene	7.875	75	4954	4.227	ug/l #	45
38) Carbon Tetrachloride	7.875	117	6119	5.634	ug/l #	14
41) Methacrylonitrile	7.452	41	315	1.033	ug/l #	46
76) 1,2,3-Trichloropropane	12.575	75	25919	46.555	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	25919	146.881	ug/l #	14

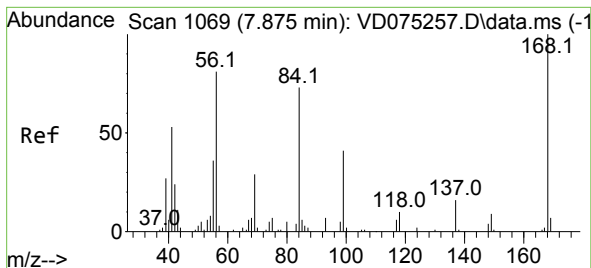
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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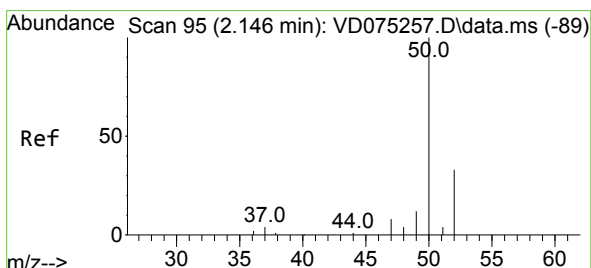
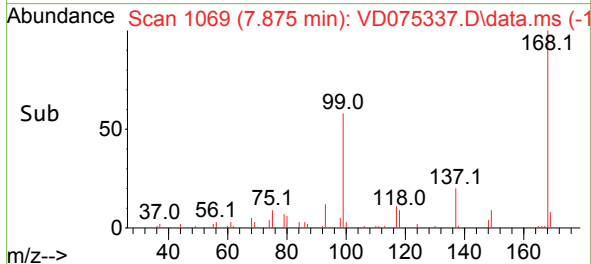
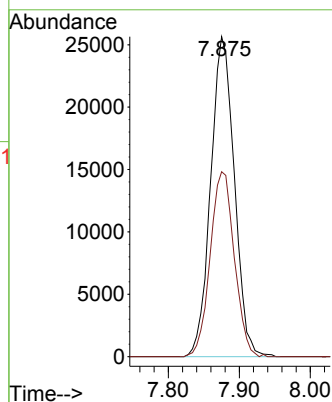
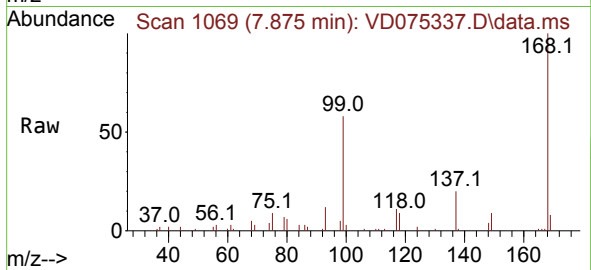




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075337.D
Acq: 14 Feb 2023 12:24

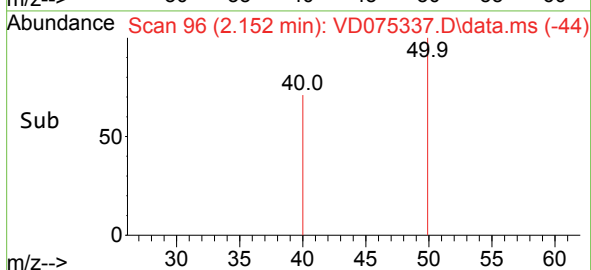
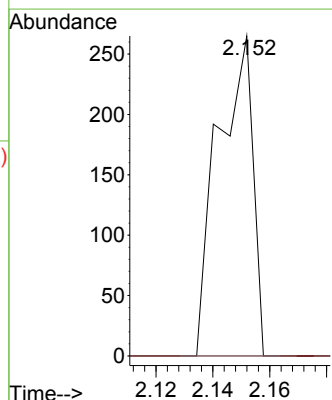
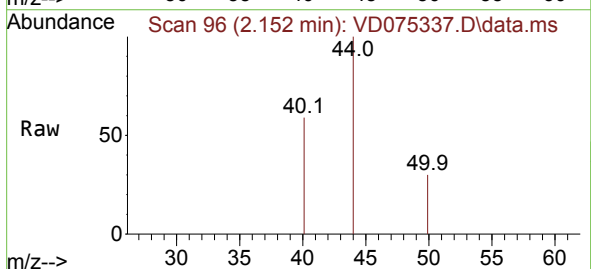
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-4

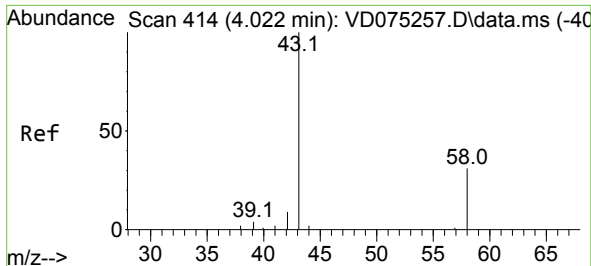
Tgt Ion:168 Resp: 59292
Ion Ratio Lower Upper
168 100
99 57.8 45.2 67.8



#3
Chloromethane
Concen: Below Cal
RT: 2.152 min Scan# 96
Delta R.T. 0.006 min
Lab File: VD075337.D
Acq: 14 Feb 2023 12:24

Tgt Ion: 50 Resp: 225
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#





#16

Acetone

Concen: 12.821 ug/l

RT: 4.034 min Scan# 41

Delta R.T. 0.012 min

Lab File: VD075337.D

Acq: 14 Feb 2023 12:24

Instrument :

MSVOA_D

ClientSampleId :

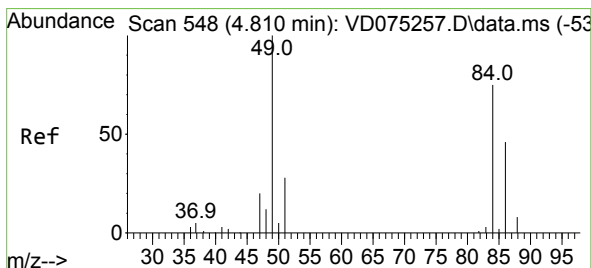
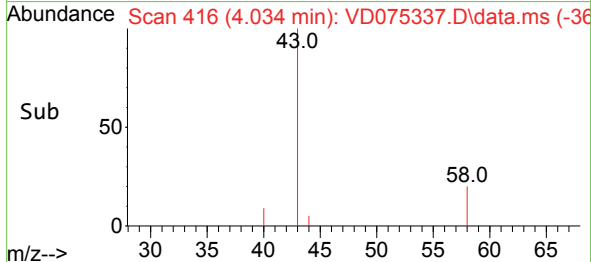
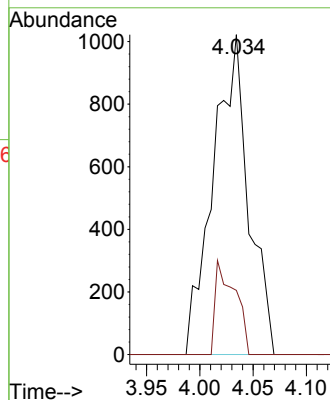
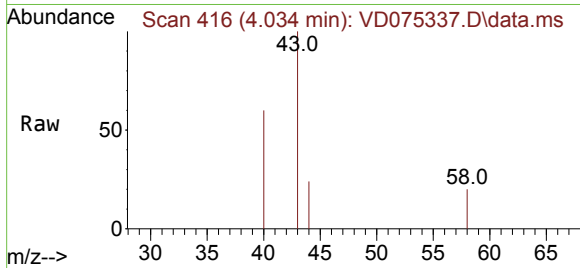
TOT-VOC-GRAB-4

Tgt Ion: 43 Resp: 2357

Ion Ratio Lower Upper

43 100

58 20.1 26.0 39.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.811 min Scan# 548

Delta R.T. 0.001 min

Lab File: VD075337.D

Acq: 14 Feb 2023 12:24

Tgt Ion: 84 Resp: 284

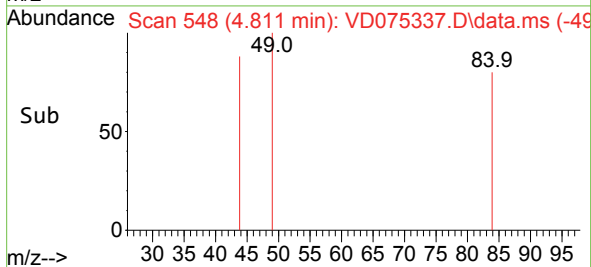
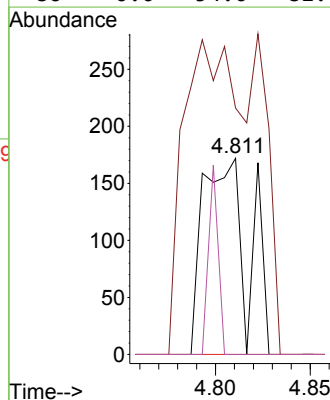
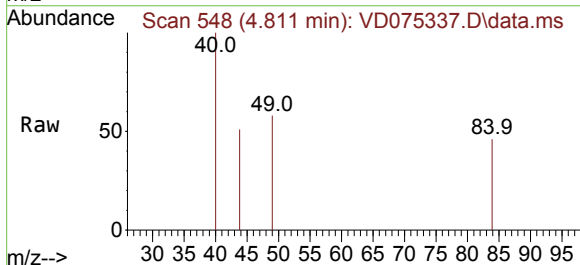
Ion Ratio Lower Upper

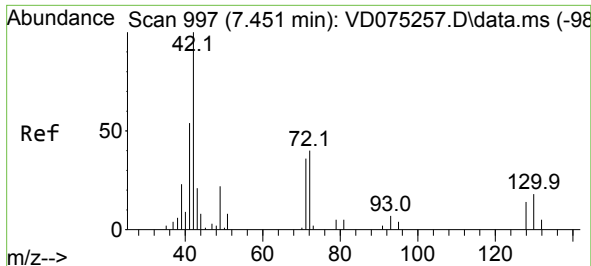
84 100

49 125.6 97.0 145.6

51 0.0 30.9 46.3#

86 0.0 54.0 81.0#





#29

Tetrahydrofuran

Concen: 1.696 ug/l

RT: 7.463 min Scan# 999

Delta R.T. 0.012 min

Lab File: VD075337.D

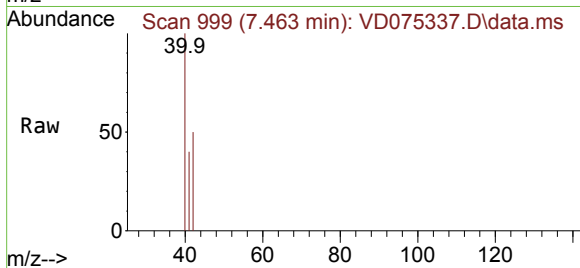
Acq: 14 Feb 2023 12:24

Instrument :

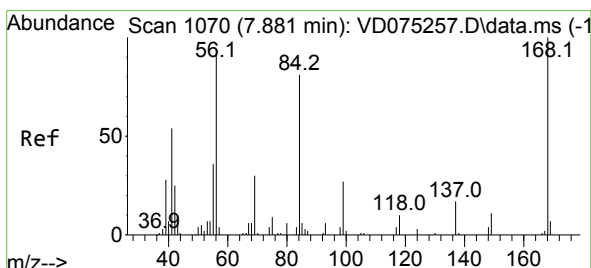
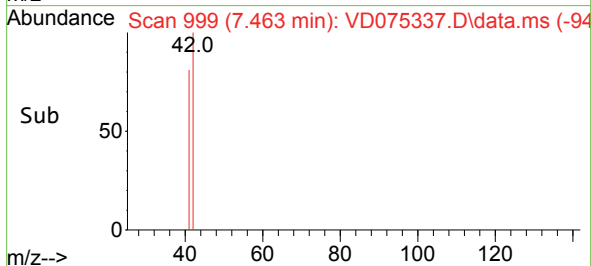
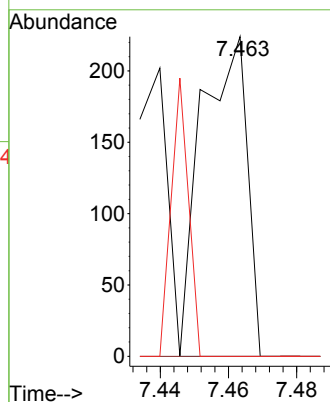
MSVOA_D

ClientSampleId :

TOT-VOC-GRAB-4



Tgt Ion: 42	Resp:	208
Ion	Ratio	Lower Upper
42	100	
72	0.0	33.8 50.8#
71	33.2	31.6 47.4



#31

Cyclohexane

Concen: 1.406 ug/l

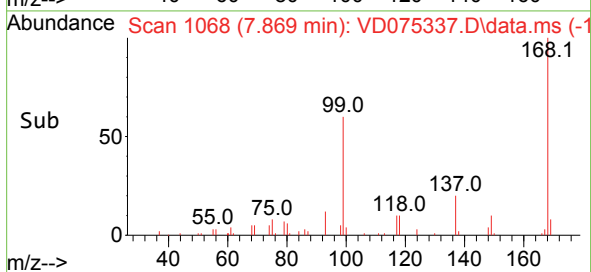
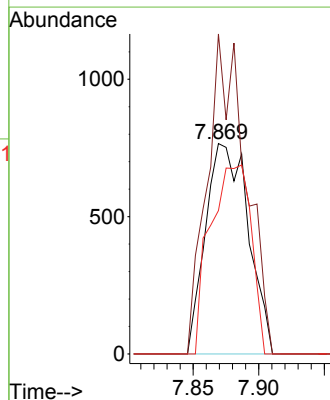
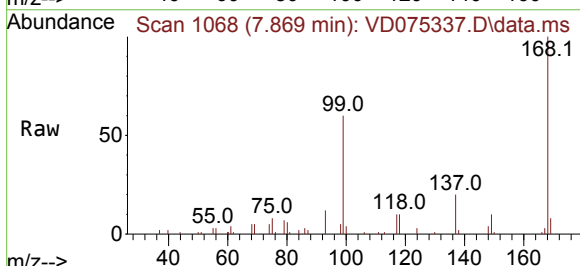
RT: 7.869 min Scan# 1068

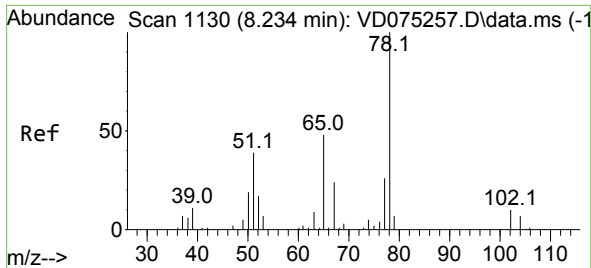
Delta R.T. -0.012 min

Lab File: VD075337.D

Acq: 14 Feb 2023 12:24

Tgt Ion: 56	Resp:	1736
Ion	Ratio	Lower Upper
56	100	
69	152.1	26.6 40.0#
84	68.1	74.1 111.1#

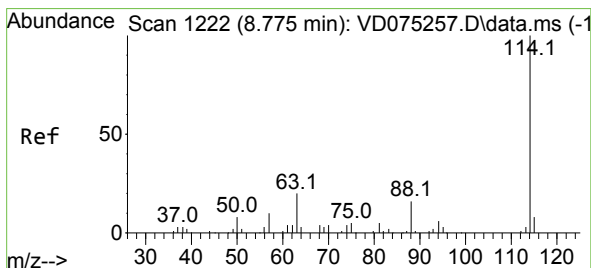
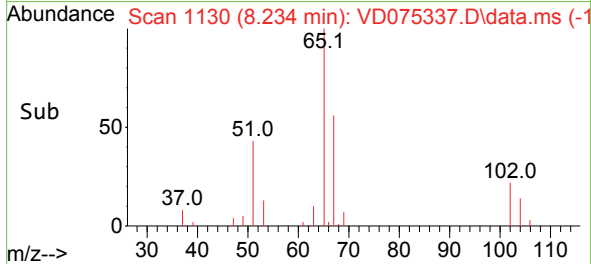
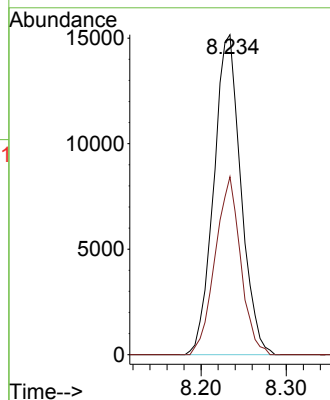
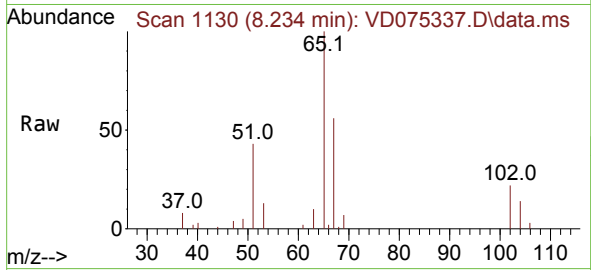




#33
1,2-Dichloroethane-d4
Concen: 48.292 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD075337.D
Acq: 14 Feb 2023 12:24

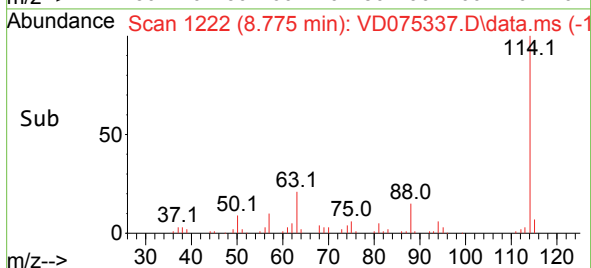
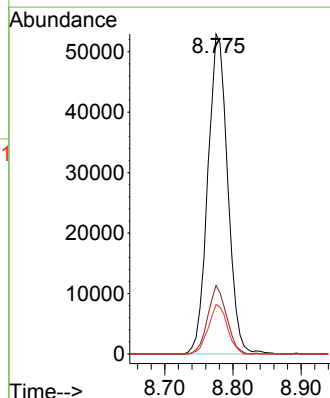
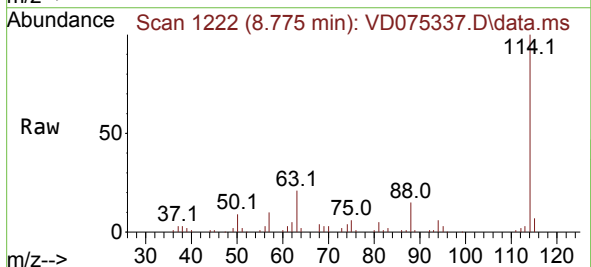
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-4

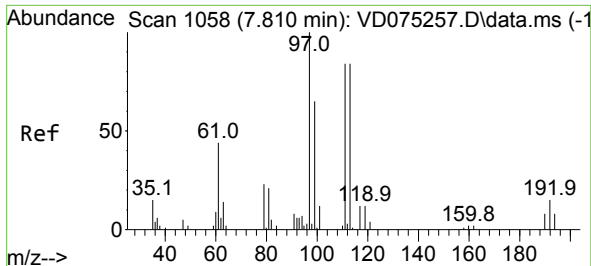
Tgt Ion: 65 Resp: 33575
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VD075337.D
Acq: 14 Feb 2023 12:24

Tgt Ion:114 Resp: 107298
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.2
88 15.4 0.0 32.2





#35

Dibromofluoromethane

Concen: 45.682 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD075337.D

Acq: 14 Feb 2023 12:24

Instrument :

MSVOA_D

ClientSampleId :

TOT-VOC-GRAB-4

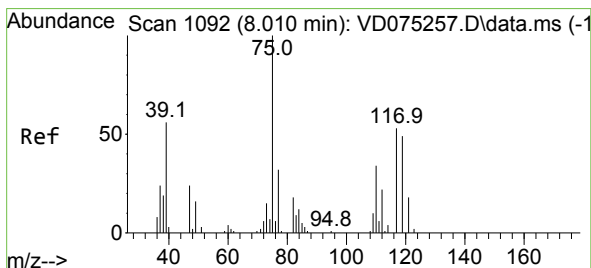
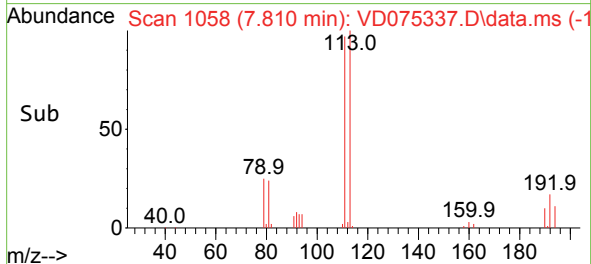
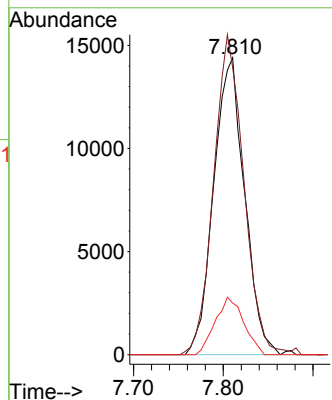
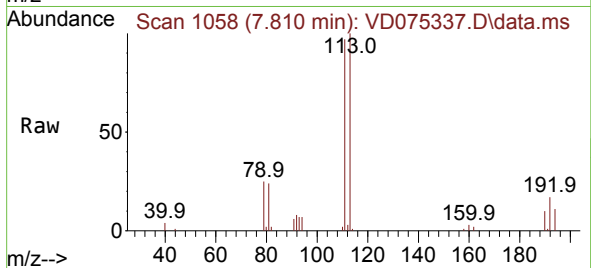
Tgt Ion:113 Resp: 34370

Ion Ratio Lower Upper

113 100

111 105.6 80.1 120.1

192 17.9 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.227 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD075337.D

Acq: 14 Feb 2023 12:24

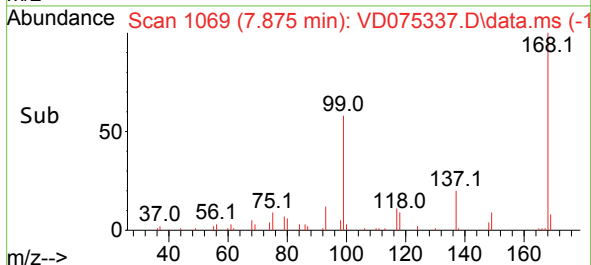
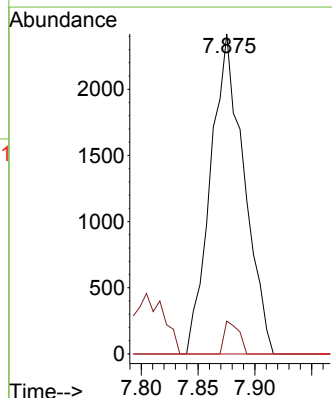
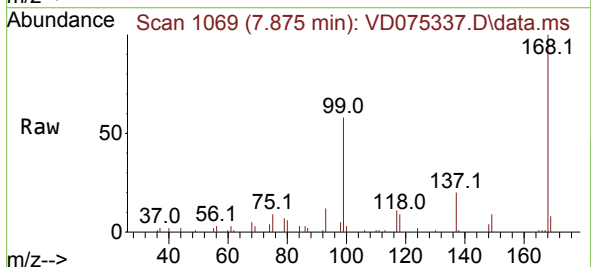
Tgt Ion: 75 Resp: 4954

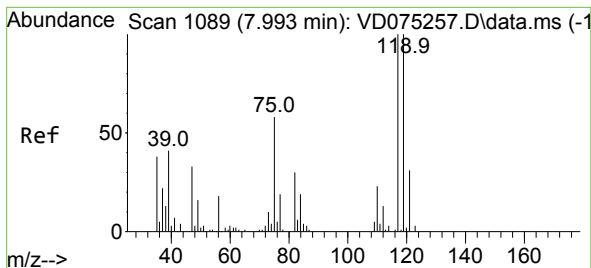
Ion Ratio Lower Upper

75 100

110 4.5 18.1 54.4#

77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.634 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD075337.D

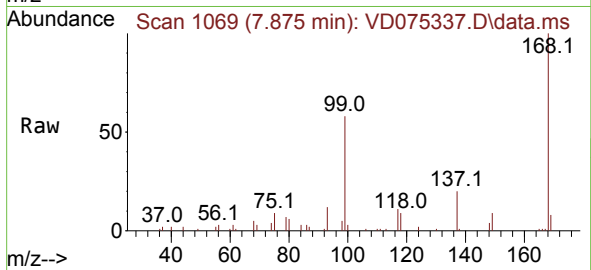
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Instrument :

MSVOA_D

ClientSampleId :

TOT-VOC-GRAB-4



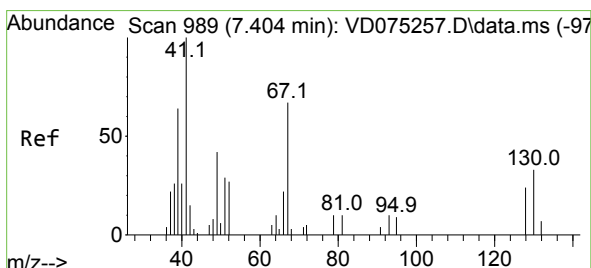
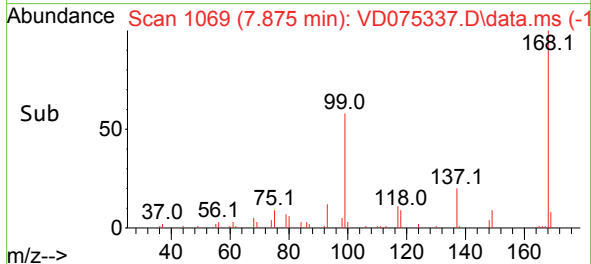
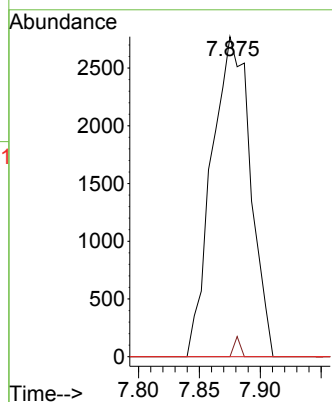
Tgt Ion:117 Resp: 6119

Ion Ratio Lower Upper

117 100

119 0.0 73.6 110.4#

121 0.0 25.4 38.0#



#41

Methacrylonitrile

Concen: 1.033 ug/l

RT: 7.452 min Scan# 997

Delta R.T. 0.048 min

Lab File: VD075337.D

Acq: 14 Feb 2023 12:24

Tgt Ion: 41 Resp: 315

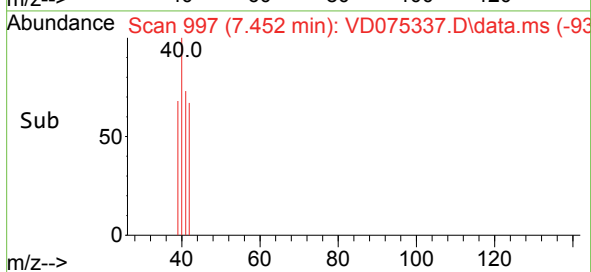
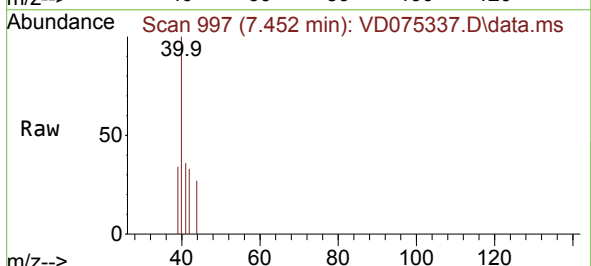
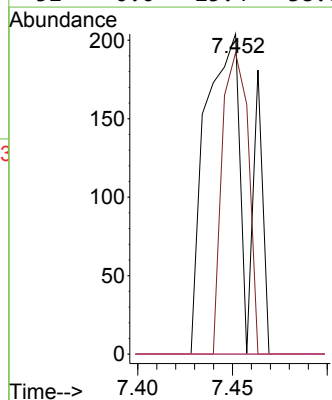
Ion Ratio Lower Upper

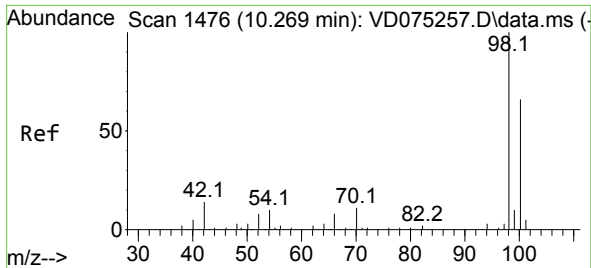
41 100

39 57.8 57.8 86.6

67 0.0 60.5 90.7#

52 0.0 25.4 38.0#

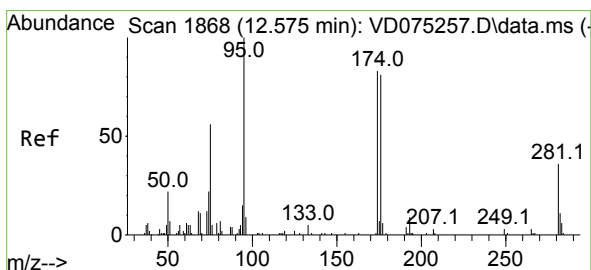
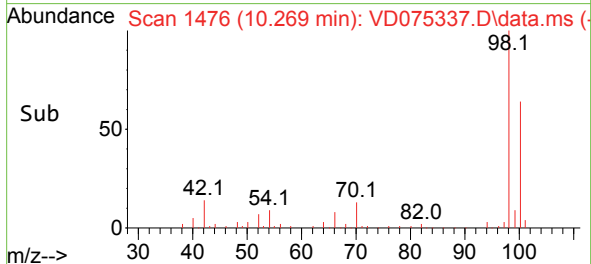
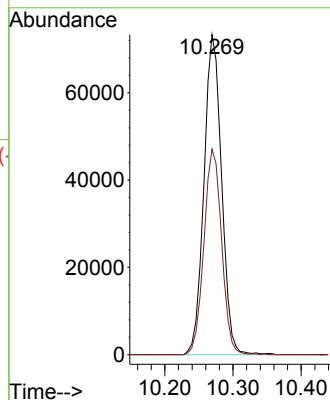
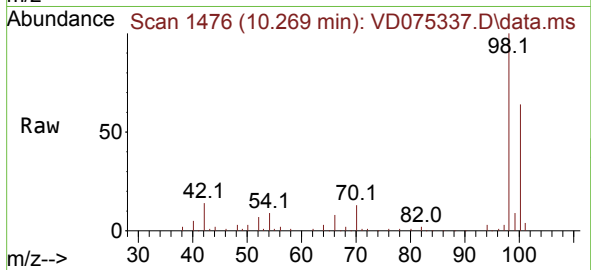




#50
Toluene-d8
Concen: 46.293 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075337.D
Acq: 14 Feb 2023 12:24

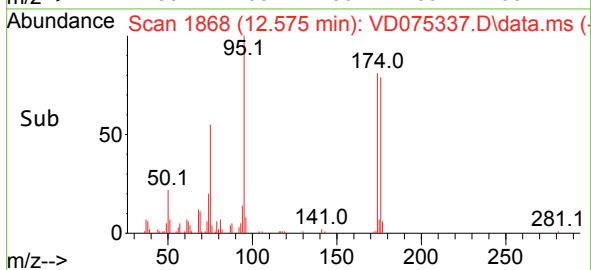
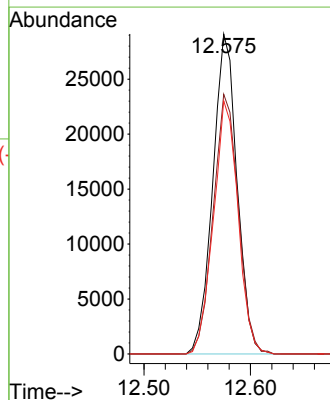
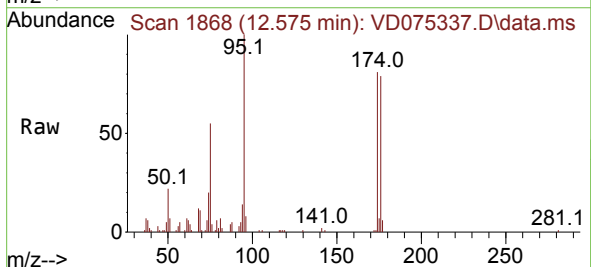
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TOT-VOC-GRAB-4

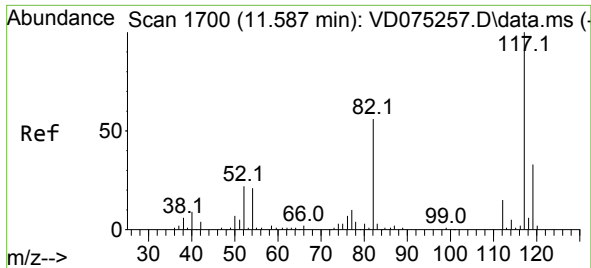
Tgt Ion: 98 Resp: 132087
Ion Ratio Lower Upper
98 100
100 64.4 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 49.045 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075337.D
Acq: 14 Feb 2023 12:24

Tgt Ion: 95 Resp: 46143
Ion Ratio Lower Upper
95 100
174 84.0 0.0 161.2
176 80.0 0.0 160.2

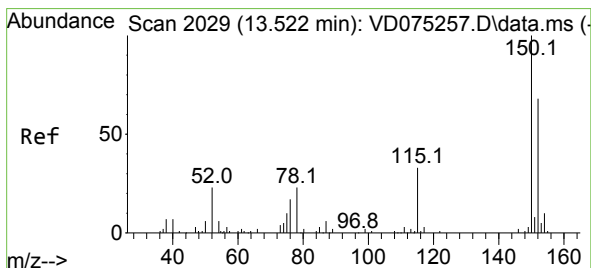
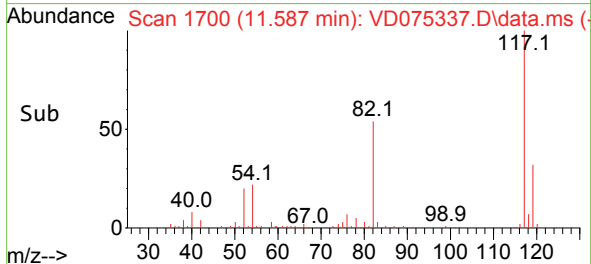
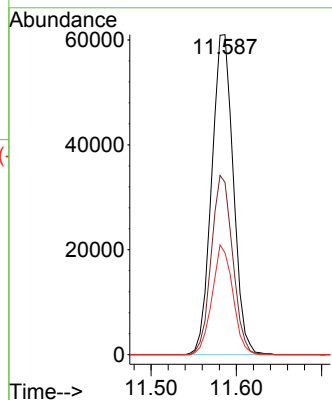
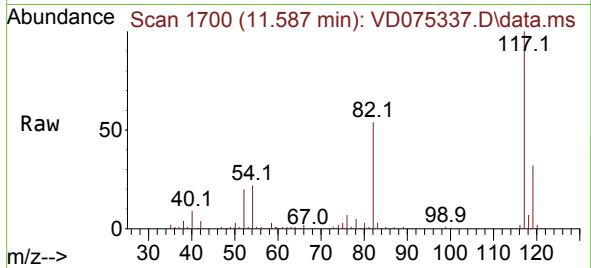




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075337.D
Acq: 14 Feb 2023 12:24

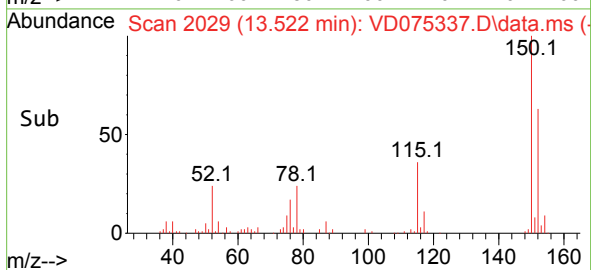
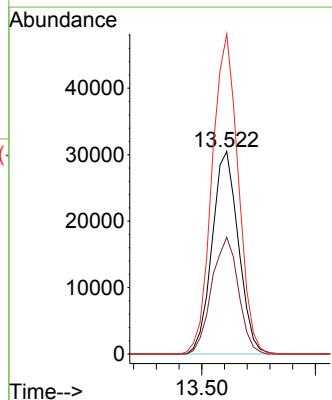
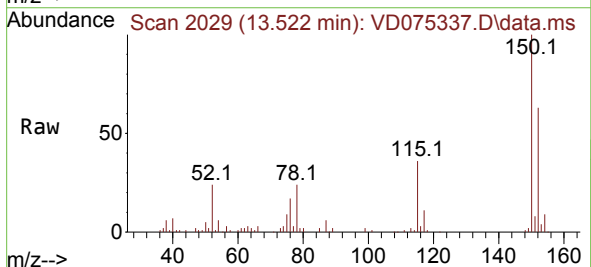
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-4

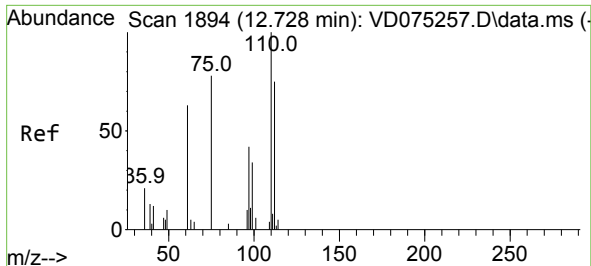
Tgt Ion:117 Resp: 107558
Ion Ratio Lower Upper
117 100
82 53.8 39.6 59.4
119 31.8 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075337.D
Acq: 14 Feb 2023 12:24

Tgt Ion:152 Resp: 49015
Ion Ratio Lower Upper
152 100
115 58.3 28.8 86.4
150 156.9 0.0 348.6

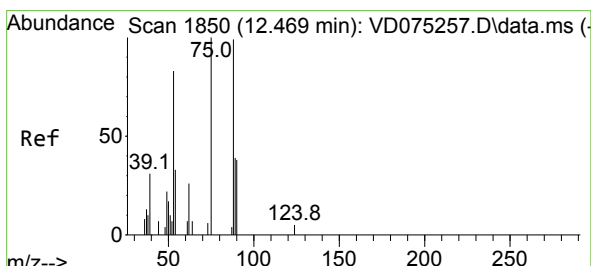
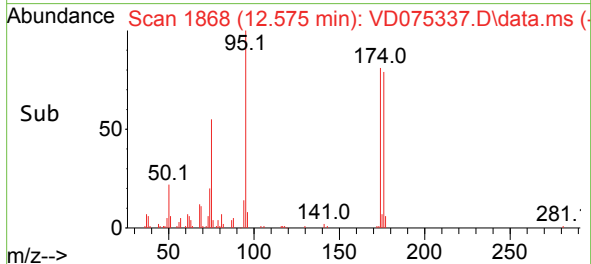
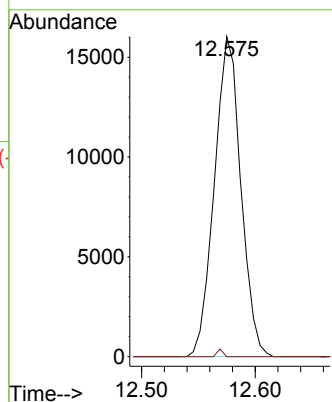
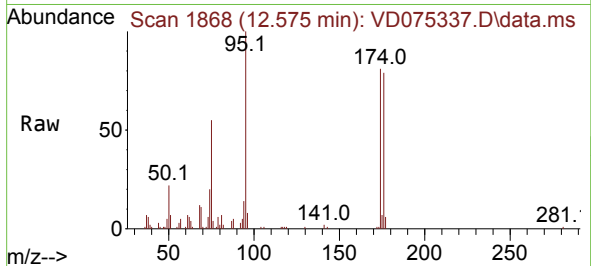




#76
1,2,3-Trichloropropane
Concen: 46.555 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075337.D
Acq: 14 Feb 2023 12:24

Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-4

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: 146.881 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075337.D
Acq: 14 Feb 2023 12:24

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#

