

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021423\
 Data File : VD075340.D
 Acq On : 14 Feb 2023 13:47
 Operator : KP/SY
 Sample : 01537-15
 Misc : 7.89G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOT-VOC-GRAB-16

Quant Time: Feb 15 03:33:20 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)

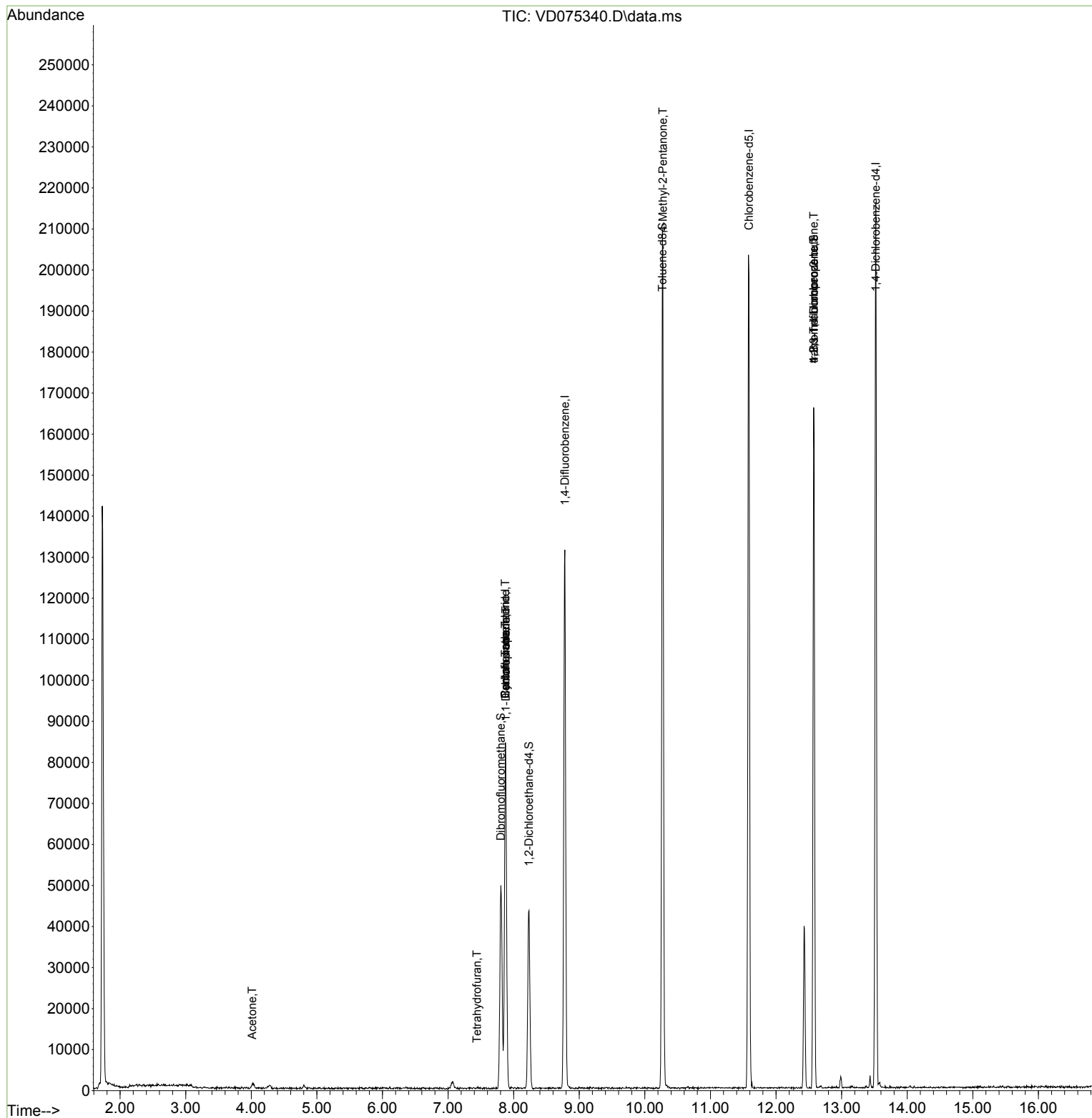
Internal Standards						
1) Pentafluorobenzene	7.875	168	60504	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	109859	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	113489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	53962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	34635	48.819	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.640%
35) Dibromofluoromethane	7.804	113	35136	45.612	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.220%
50) Toluene-d8	10.269	98	138747	47.494	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.980%
62) 4-Bromofluorobenzene	12.575	95	50195	52.108	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	104.220%
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	72	Below Cal	#	41
16) Acetone	4.016	43	1409	7.511	ug/l	100
20) Methylene Chloride	4.799	84	310	Below Cal	#	50
29) Tetrahydrofuran	7.440	42	207	1.654	ug/l	# 34
31) Cyclohexane	7.875	56	1393	1.106	ug/l	# 36
36) 1,1-Dichloropropene	7.881	75	5007	4.173	ug/l	# 47
38) Carbon Tetrachloride	7.875	117	6630	5.963	ug/l	# 18
51) 4-Methyl-2-Pentanone	10.275	43	698	1.381	ug/l	# 1
76) 1,2,3-Trichloropropane	12.575	75	28446	46.410	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	28446	146.430	ug/l	# 14

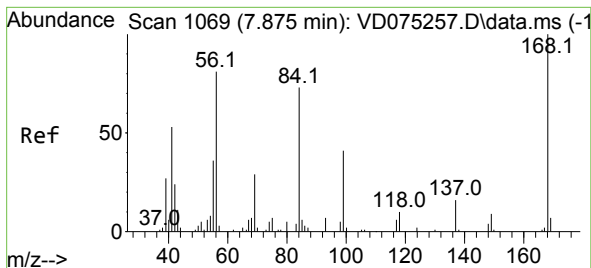
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD075340.D

Acq: 14 Feb 2023 13:47

Instrument :

MSVOA_D

ClientSampleId :

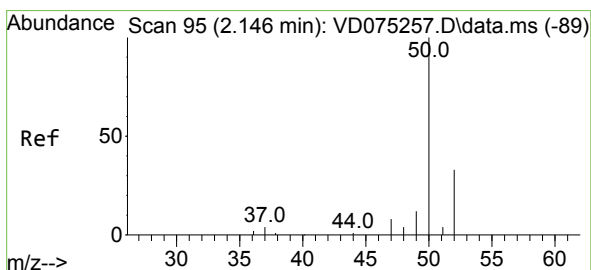
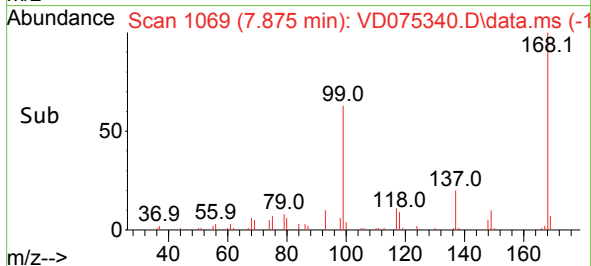
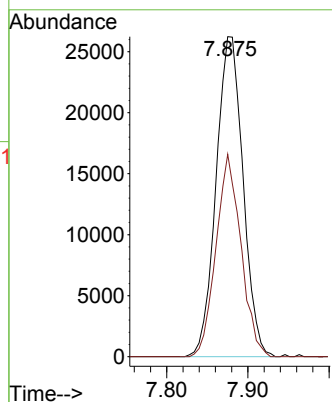
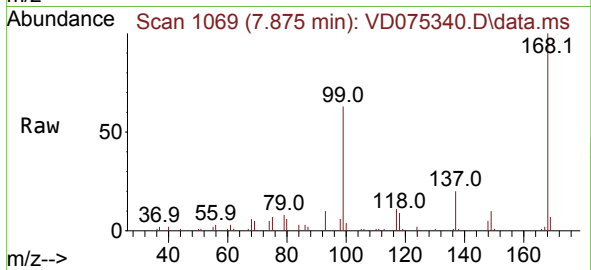
TOT-VOC-GRAB-16

Tgt Ion:168 Resp: 60504

Ion Ratio Lower Upper

168 100

99 63.3 45.2 67.8



#3

Chloromethane

Concen: Below Cal

RT: 2.146 min Scan# 95

Delta R.T. -0.000 min

Lab File: VD075340.D

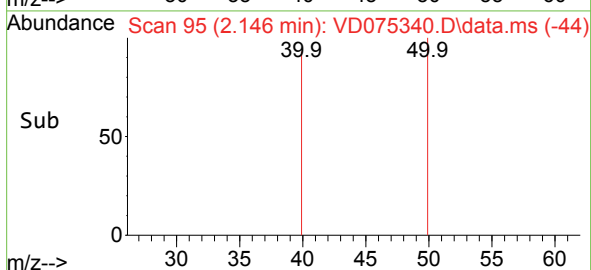
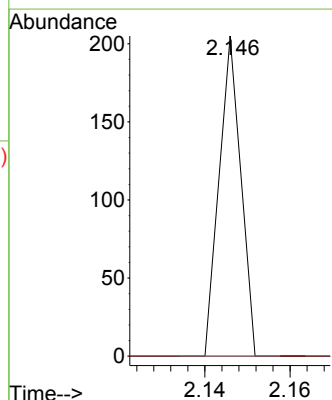
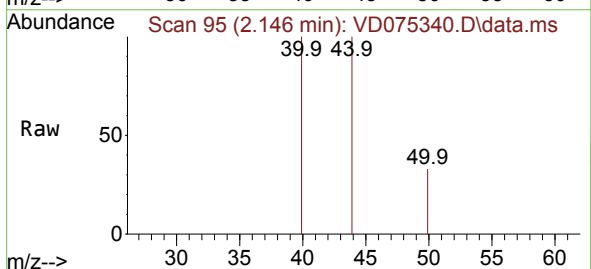
Acq: 14 Feb 2023 13:47

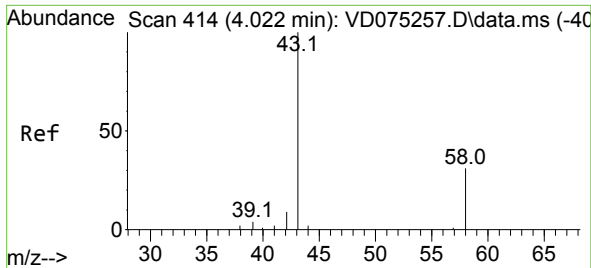
Tgt Ion: 50 Resp: 72

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.6#





#16

Acetone

Concen: 7.511 ug/l

RT: 4.016 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD075340.D

Acq: 14 Feb 2023 13:47

Instrument :

MSVOA_D

ClientSampleId :

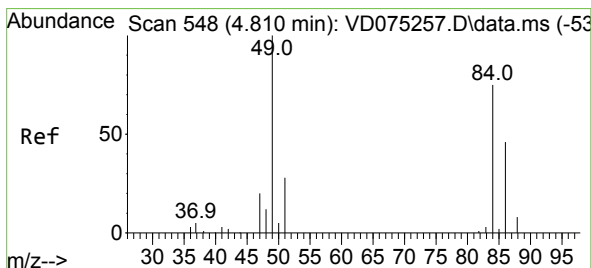
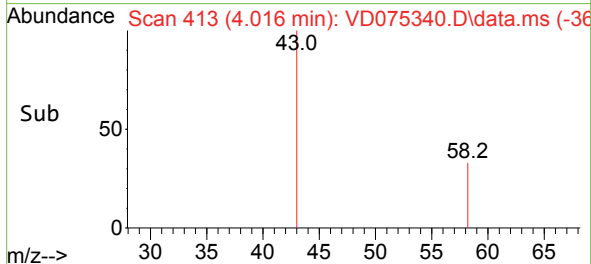
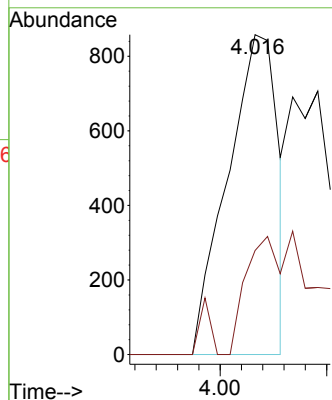
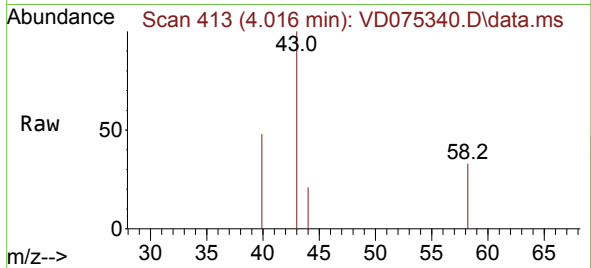
TOT-VOC-GRAB-16

Tgt Ion: 43 Resp: 1409

Ion Ratio Lower Upper

43 100

58 32.5 26.0 39.0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.799 min Scan# 546

Delta R.T. -0.011 min

Lab File: VD075340.D

Acq: 14 Feb 2023 13:47

Tgt Ion: 84 Resp: 310

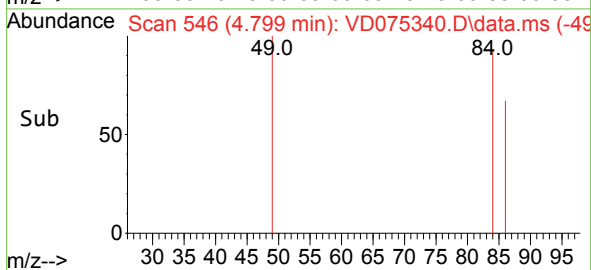
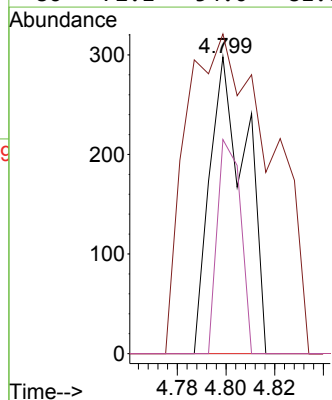
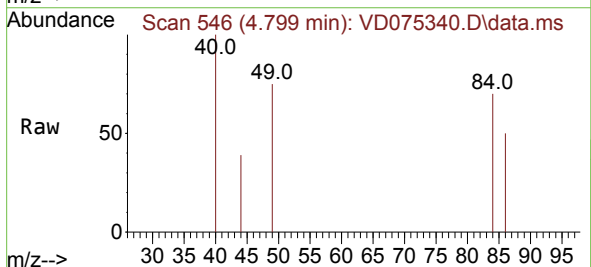
Ion Ratio Lower Upper

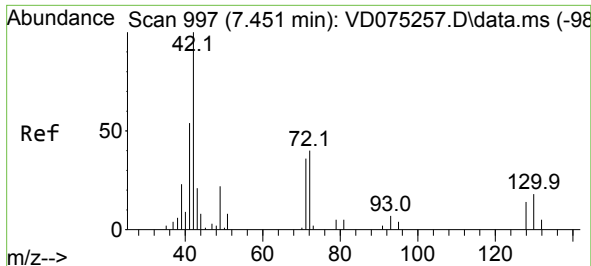
84 100

49 42.6 97.0 145.6#

51 0.0 30.9 46.3#

86 72.1 54.0 81.0





#29

Tetrahydrofuran

Concen: 1.654 ug/l

RT: 7.440 min Scan# 997

Delta R.T. -0.011 min

Lab File: VD075340.D

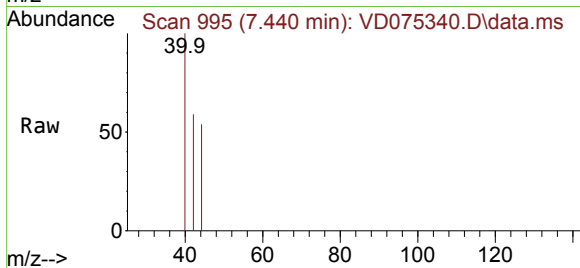
Acq: 14 Feb 2023 13:47

Instrument :

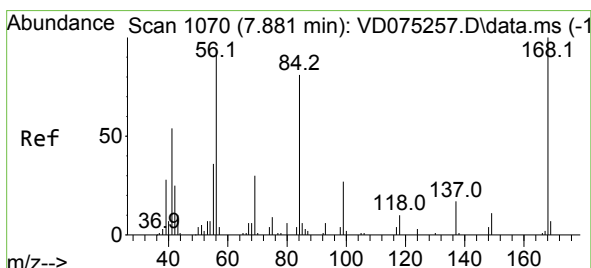
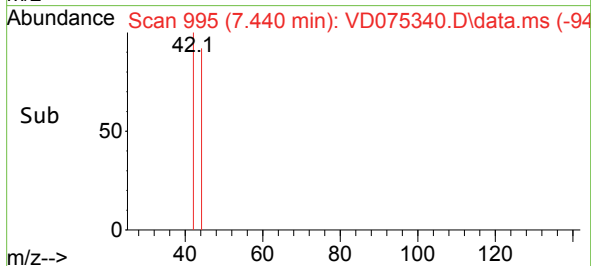
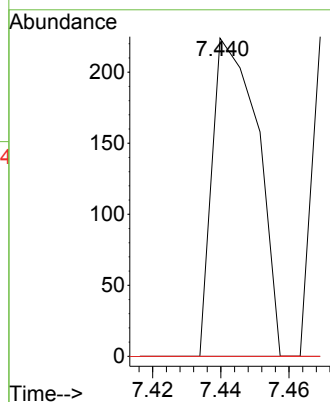
MSVOA_D

ClientSampleId :

TOT-VOC-GRAB-16



Tgt Ion: 42	Resp:	207
Ion	Ratio	Lower Upper
42	100	
72	0.0	33.8 50.8#
71	0.0	31.6 47.4#



#31

Cyclohexane

Concen: 1.106 ug/l

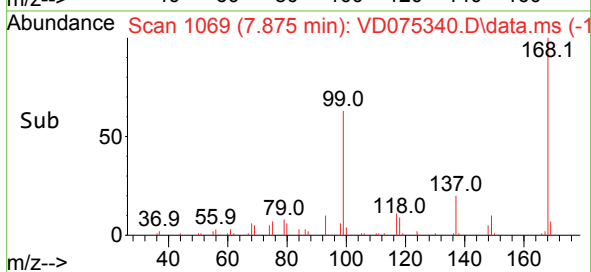
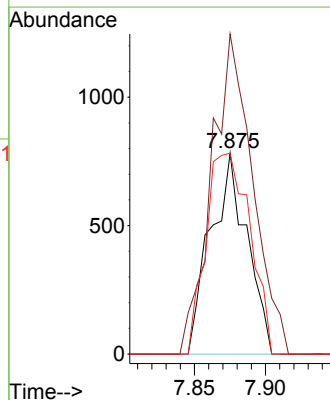
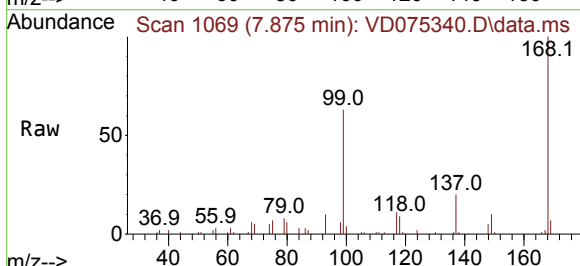
RT: 7.875 min Scan# 1069

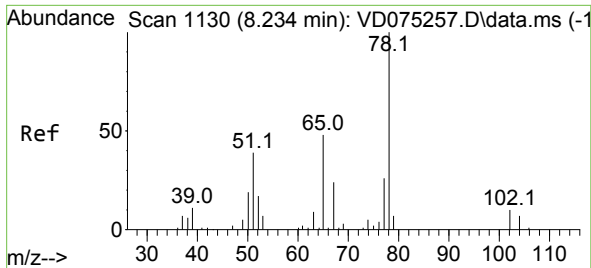
Delta R.T. -0.006 min

Lab File: VD075340.D

Acq: 14 Feb 2023 13:47

Tgt Ion: 56	Resp:	1393
Ion	Ratio	Lower Upper
56	100	
69	159.3	26.6 40.0#
84	100.0	74.1 111.1

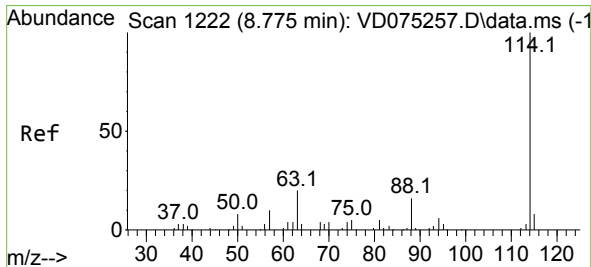
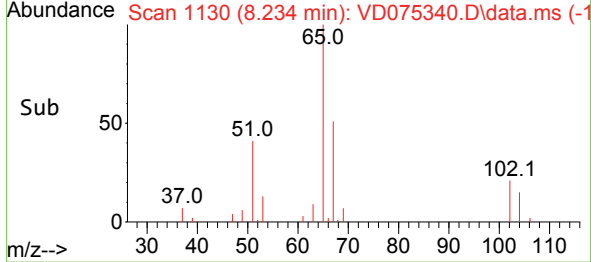
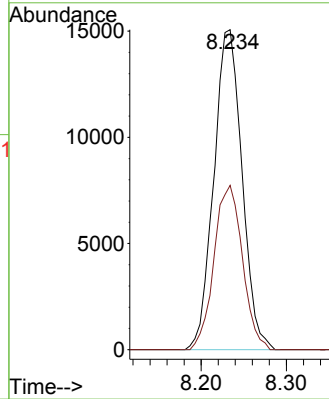
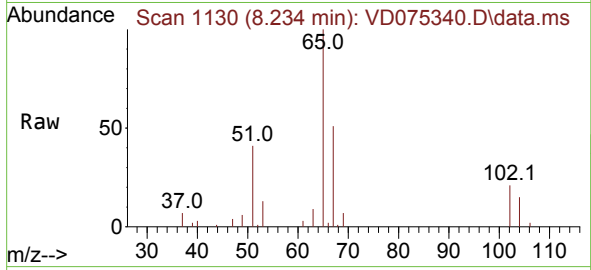




#33
1,2-Dichloroethane-d4
Concen: 48.819 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD075340.D
Acq: 14 Feb 2023 13:47

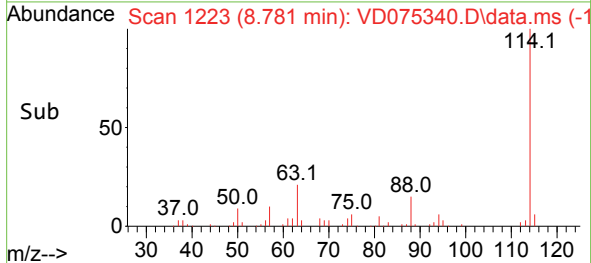
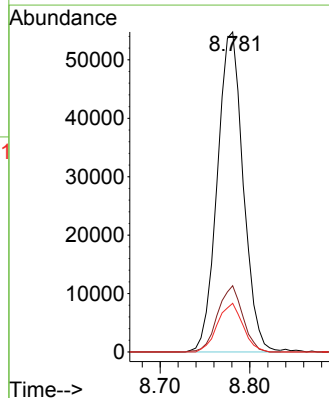
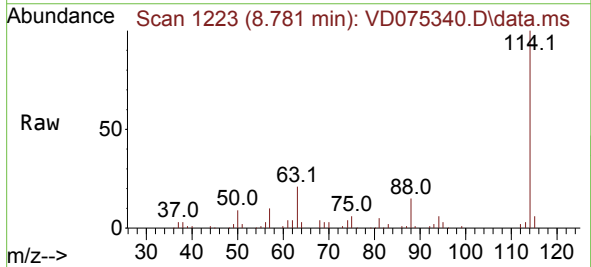
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-16

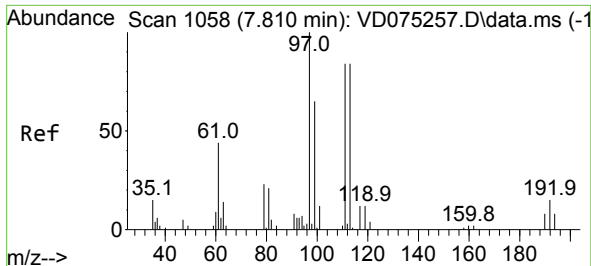
Tgt Ion: 65 Resp: 34635
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 1223
Delta R.T. 0.006 min
Lab File: VD075340.D
Acq: 14 Feb 2023 13:47

Tgt Ion: 114 Resp: 109859
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.2
88 15.2 0.0 32.2





#35

Dibromofluoromethane

Concen: 45.612 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD075340.D

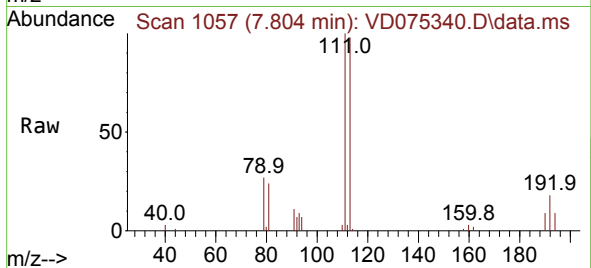
Acq: 14 Feb 2023 13:47

Instrument :

MSVOA_D

ClientSampleId :

TOT-VOC-GRAB-16



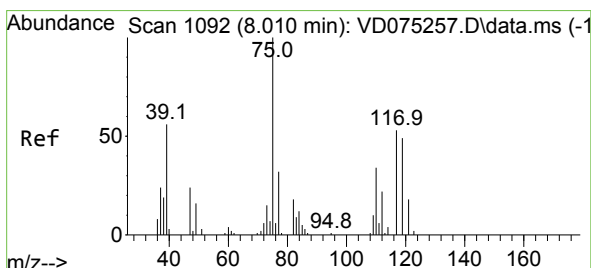
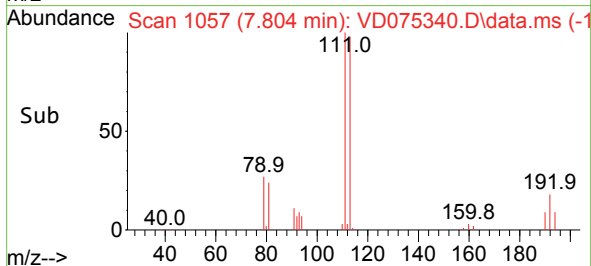
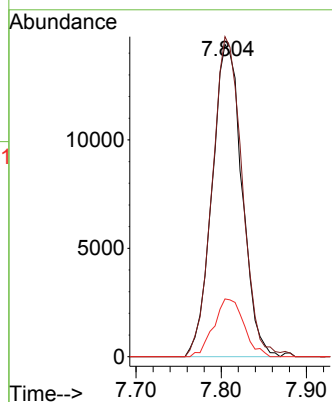
Tgt Ion:113 Resp: 35136

Ion Ratio Lower Upper

113 100

111 102.5 80.1 120.1

192 18.7 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.173 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.129 min

Lab File: VD075340.D

Acq: 14 Feb 2023 13:47

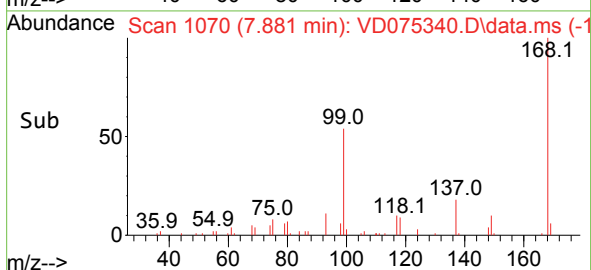
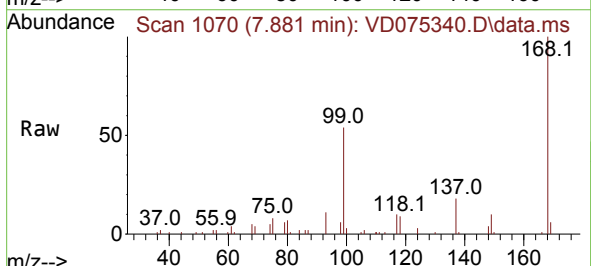
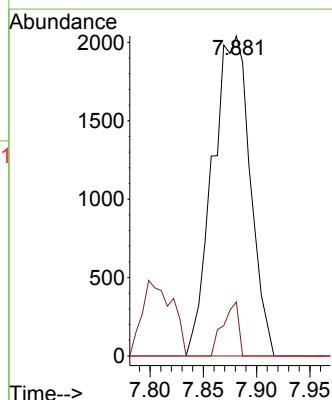
Tgt Ion: 75 Resp: 5007

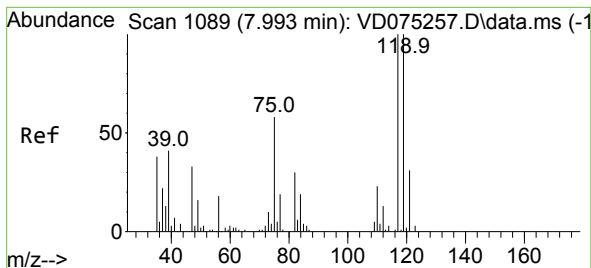
Ion Ratio Lower Upper

75 100

110 7.1 18.1 54.4#

77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.963 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD075340.D

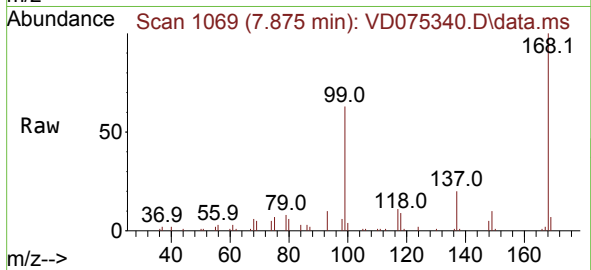
Acq: 14 Feb 2023 13:47

Instrument :

MSVOA_D

ClientSampleId :

TOT-VOC-GRAB-16



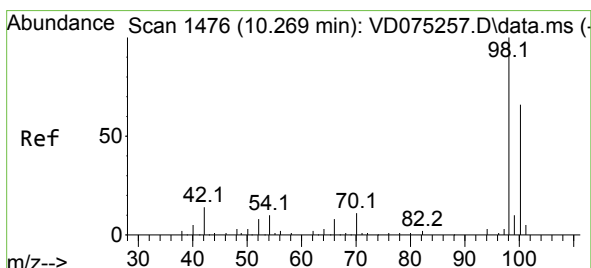
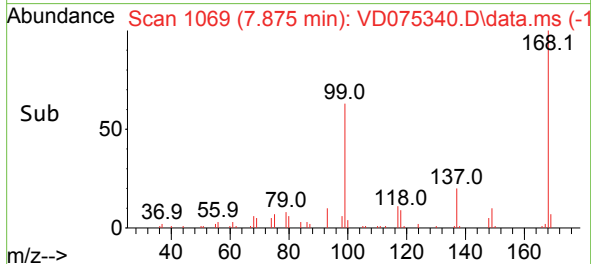
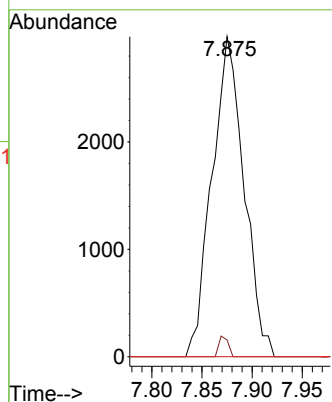
Tgt Ion:117 Resp: 6630

Ion Ratio Lower Upper

117 100

119 5.2 73.6 110.4#

121 0.0 25.4 38.0#



#50

Toluene-d8

Concen: 47.494 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD075340.D

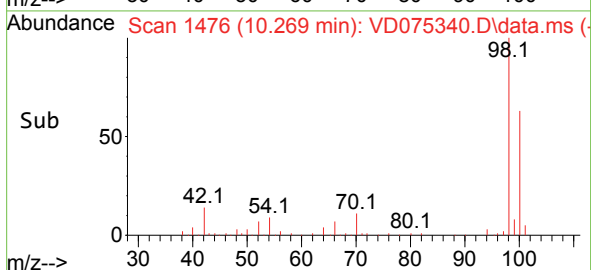
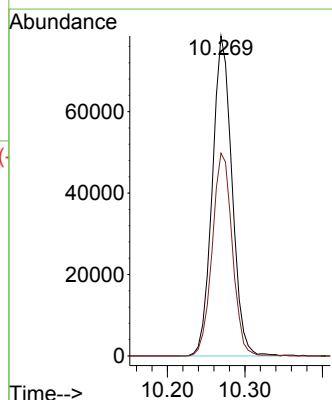
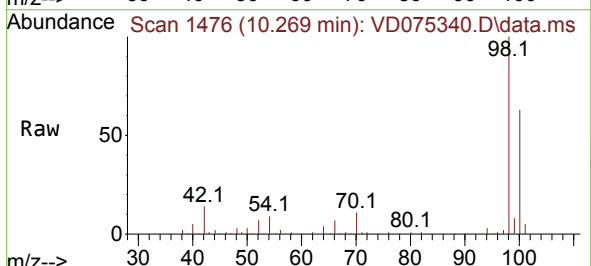
Acq: 14 Feb 2023 13:47

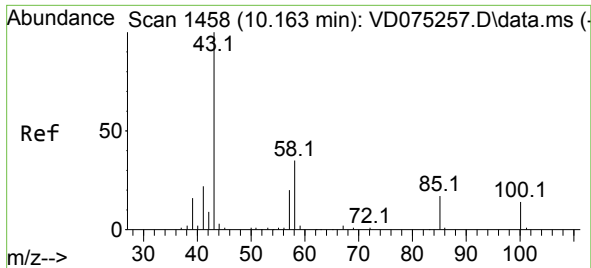
Tgt Ion: 98 Resp: 138747

Ion Ratio Lower Upper

98 100

100 64.6 52.7 79.1

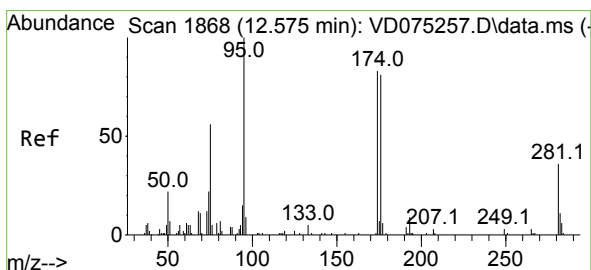
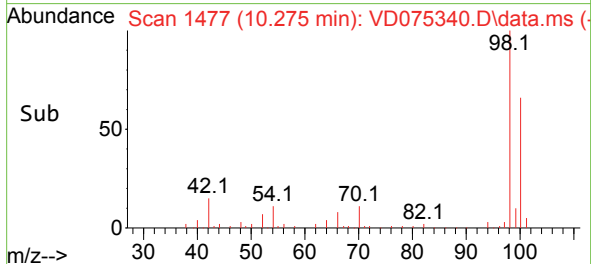
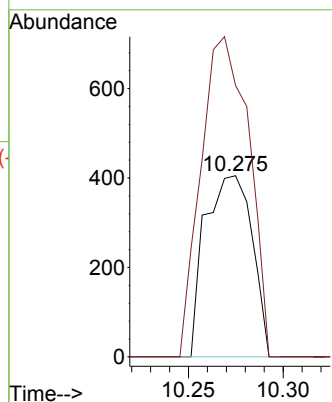
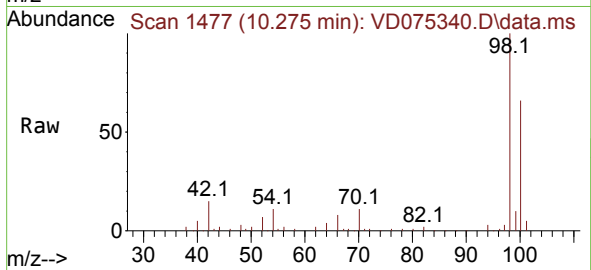




#51
4-Methyl-2-Pentanone
Concen: 1.381 ug/l
RT: 10.275 min Scan# 1458
Delta R.T. 0.112 min
Lab File: VD075340.D
Acq: 14 Feb 2023 13:47

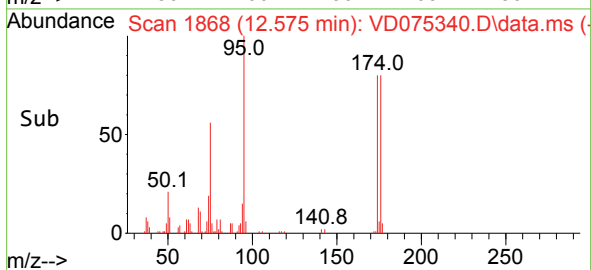
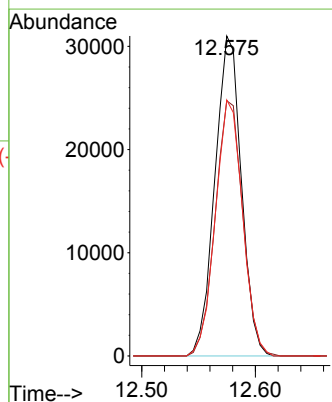
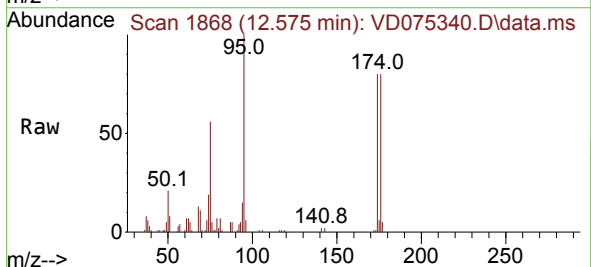
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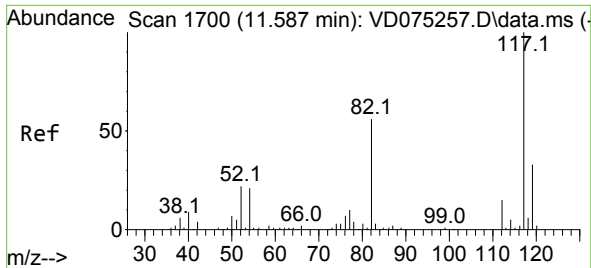
Tgt Ion: 43 Resp: 698
Ion Ratio Lower Upper
43 100
58 180.1 31.4 47.0#



#62
4-Bromofluorobenzene
Concen: 52.108 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075340.D
Acq: 14 Feb 2023 13:47

Tgt Ion: 95 Resp: 50195
Ion Ratio Lower Upper
95 100
174 83.1 0.0 161.2
176 82.3 0.0 160.2

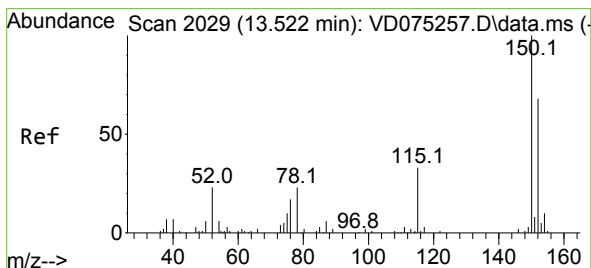
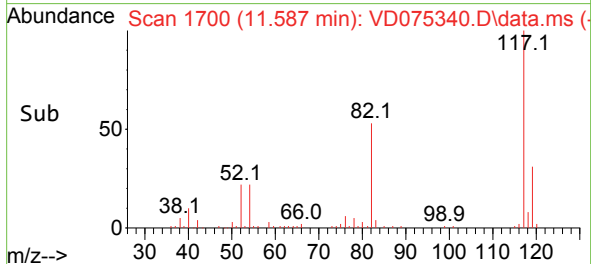
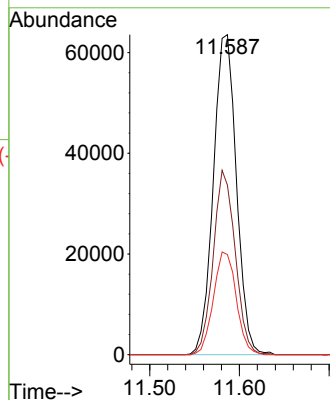
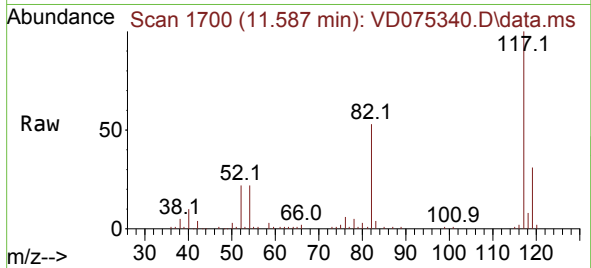




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075340.D
Acq: 14 Feb 2023 13:47

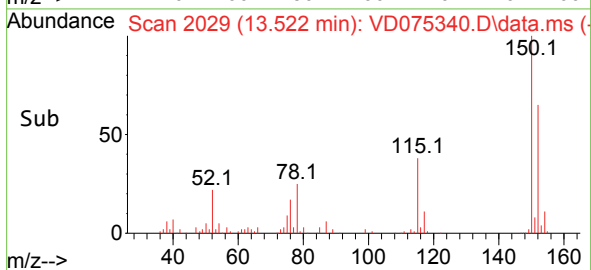
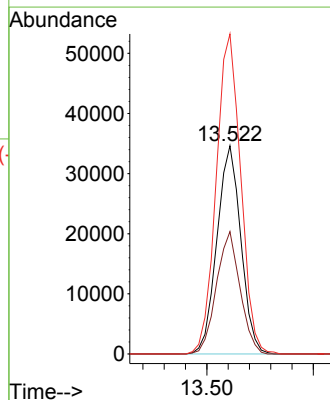
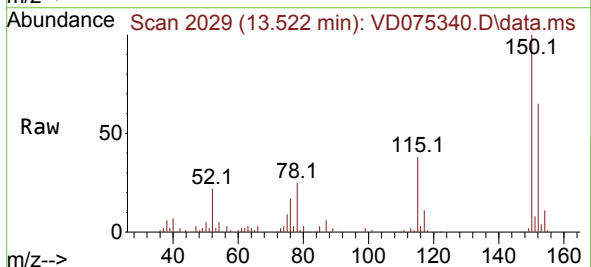
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-16

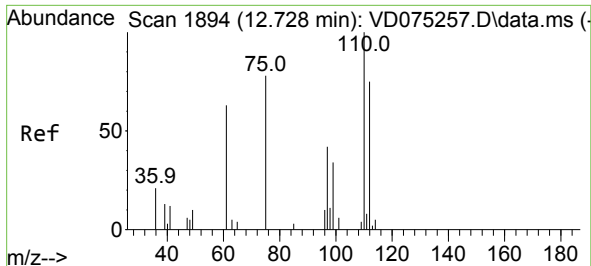
Tgt Ion:117 Resp: 113489
Ion Ratio Lower Upper
117 100
82 53.0 39.6 59.4
119 31.3 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075340.D
Acq: 14 Feb 2023 13:47

Tgt Ion:152 Resp: 53962
Ion Ratio Lower Upper
152 100
115 58.1 28.8 86.4
150 157.3 0.0 348.6

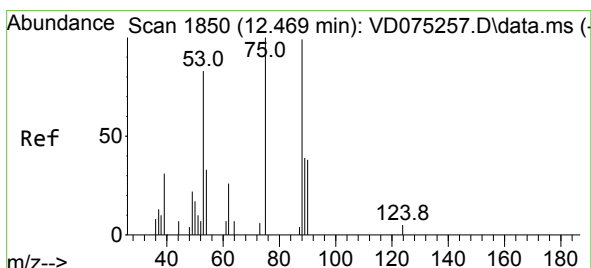
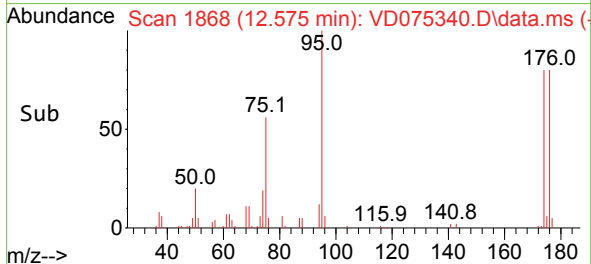
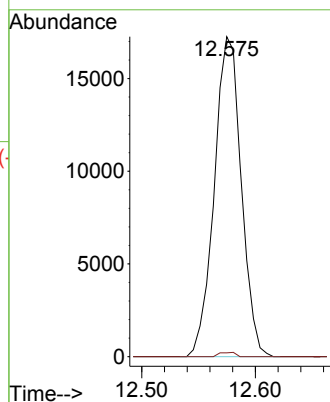
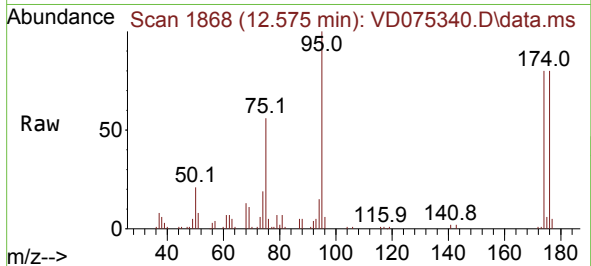




#76
1,2,3-Trichloropropane
Concen: 46.410 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075340.D
Acq: 14 Feb 2023 13:47

Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-16

Tgt Ion: 75 Resp: 28446
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 146.430 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075340.D
Acq: 14 Feb 2023 13:47

Tgt Ion: 75 Resp: 28446
Ion Ratio Lower Upper
75 100
53 0.0 70.5 105.7#
89 0.0 34.6 52.0#

