

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021423\
 Data File : VD075341.D
 Acq On : 14 Feb 2023 14:15
 Operator : KP/SY
 Sample : 01537-21
 Misc : 6.47G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TOT-VOC-GRAB-20

Quant Time: Feb 15 03:33:51 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)

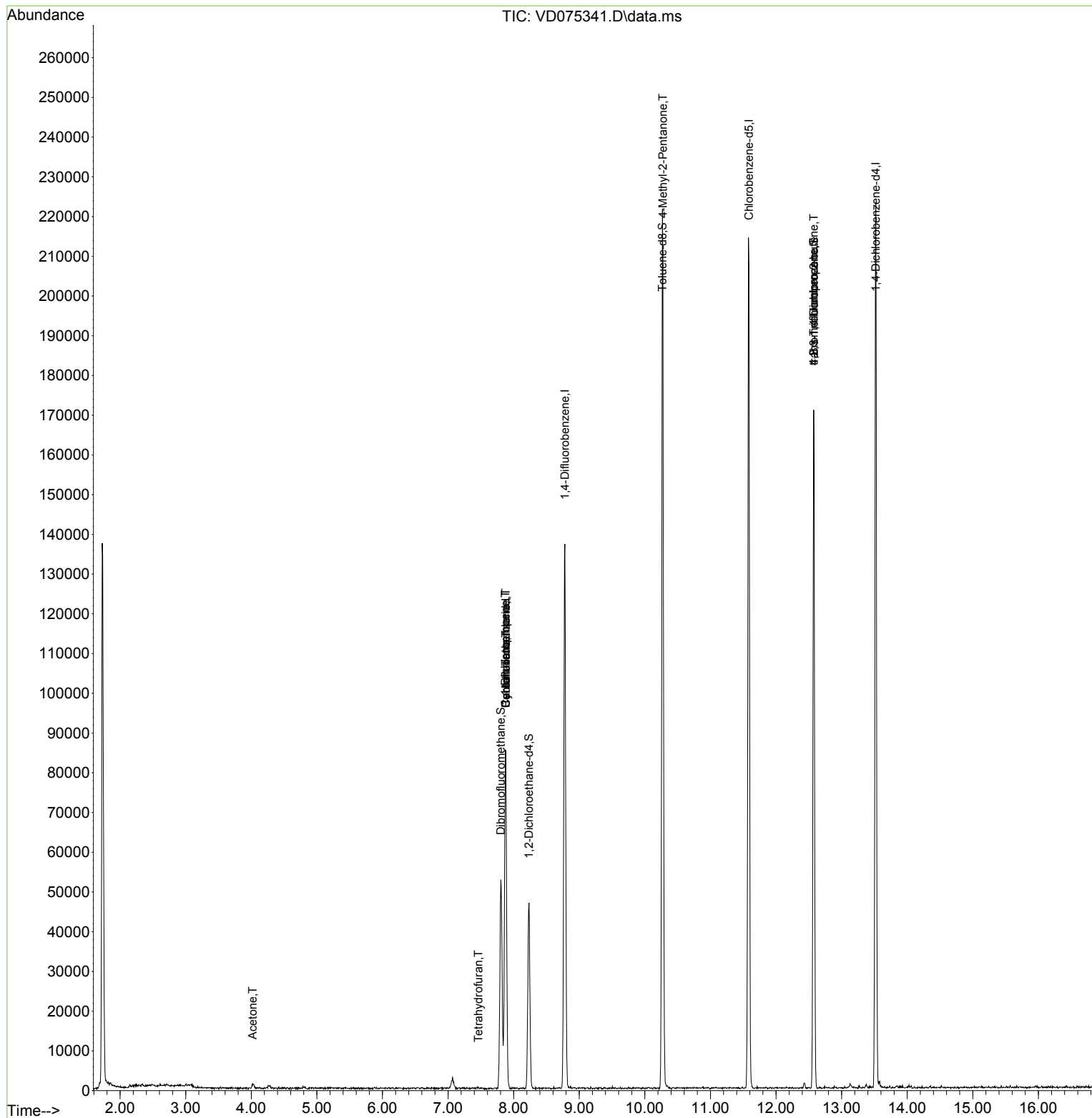
Internal Standards						
1) Pentafluorobenzene	7.881	168	63681	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	115245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	119075	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	56217	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	35744	47.869	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.740%		
35) Dibromofluoromethane	7.804	113	36644	45.346	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.700%		
50) Toluene-d8	10.269	98	145589	47.507	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.020%		
62) 4-Bromofluorobenzene	12.575	95	50512	49.987	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.980%		
Target Compounds						
3) Chloromethane	2.146	50	167	Below Cal	#	41
16) Acetone	4.022	43	1813	9.182	ug/l	89
20) Methylene Chloride	4.799	84	55	Below Cal	#	6
29) Tetrahydrofuran	7.463	42	412	3.127	ug/l	# 34
31) Cyclohexane	7.881	56	1651	1.245	ug/l	# 1
36) 1,1-Dichloropropene	7.875	75	5390	4.282	ug/l	# 45
38) Carbon Tetrachloride	7.881	117	6238	5.348	ug/l	# 19
51) 4-Methyl-2-Pentanone	10.275	43	765	1.442	ug/l	# 1
76) 1,2,3-Trichloropropane	12.575	75	28361	44.415	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	28361	140.226	ug/l	# 14

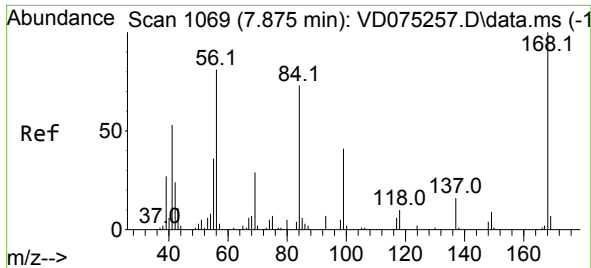
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TOT-VOC-GRAB-20

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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

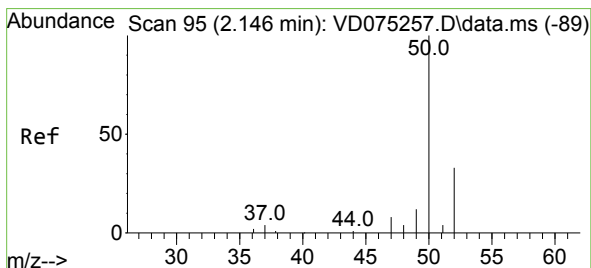
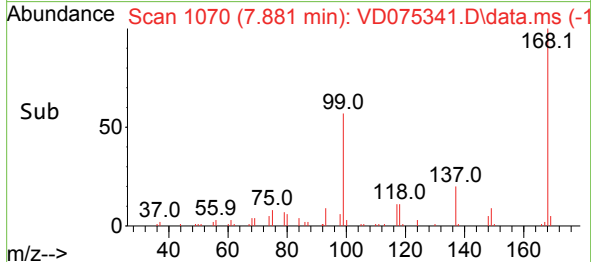
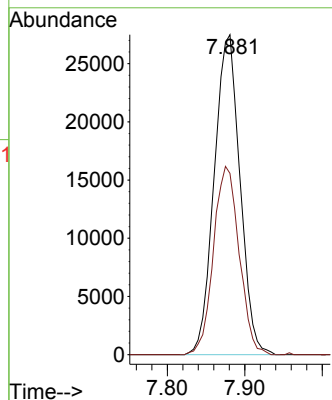
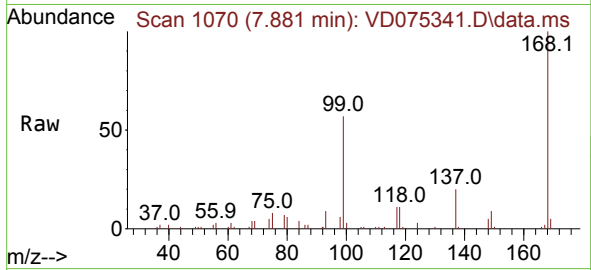




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD075341.D
Acq: 14 Feb 2023 14:15

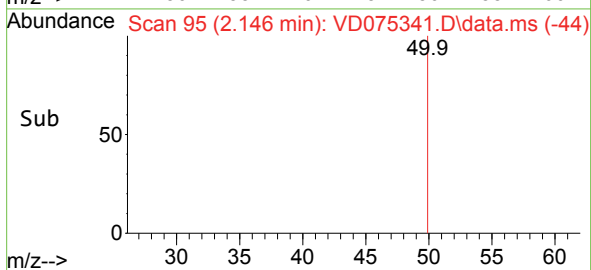
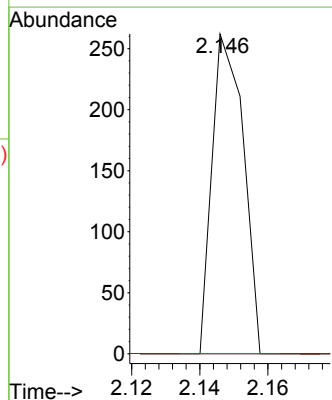
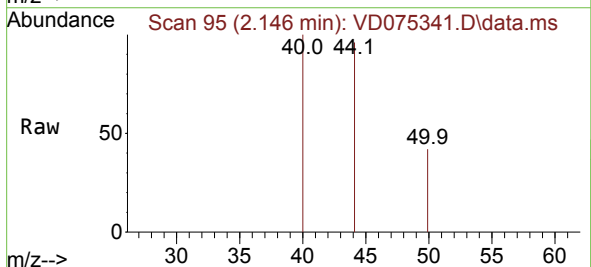
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-20

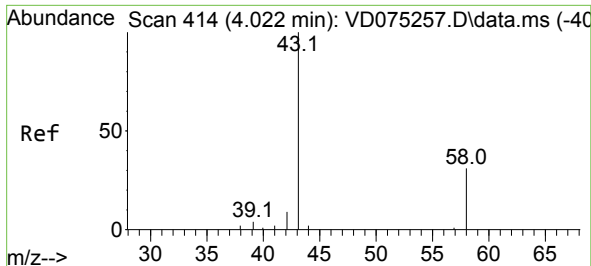
Tgt Ion:168 Resp: 63681
Ion Ratio Lower Upper
168 100
99 56.7 45.2 67.8



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD075341.D
Acq: 14 Feb 2023 14:15

Tgt Ion: 50 Resp: 167
Ion Ratio Lower Upper
50 100
52 0.0 27.0 40.6#





#16

Acetone

Concen: 9.182 ug/l

RT: 4.022 min Scan# 41

Delta R.T. 0.000 min

Lab File: VD075341.D

Acq: 14 Feb 2023 14:15

Instrument :

MSVOA_D

ClientSampleId :

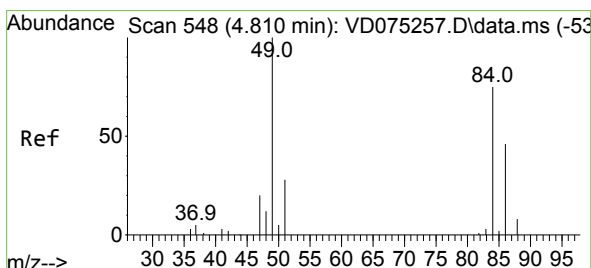
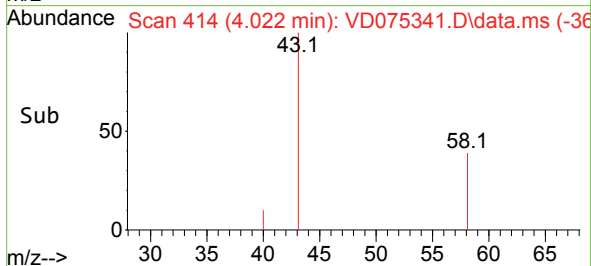
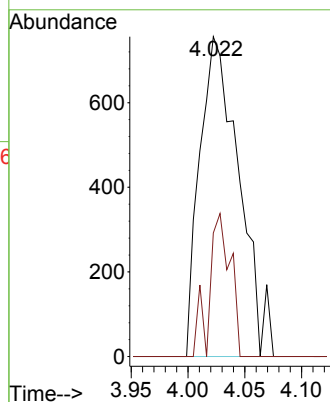
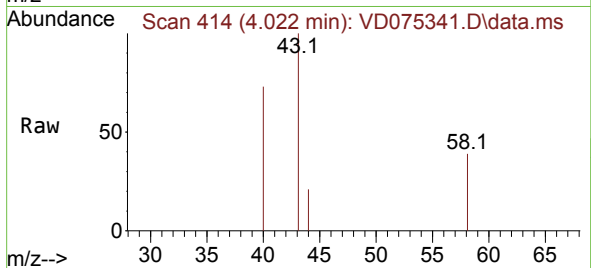
TOT-VOC-GRAB-20

Tgt Ion: 43 Resp: 1813

Ion Ratio Lower Upper

43 100

58 38.6 26.0 39.0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.799 min Scan# 546

Delta R.T. -0.011 min

Lab File: VD075341.D

Acq: 14 Feb 2023 14:15

Tgt Ion: 84 Resp: 55

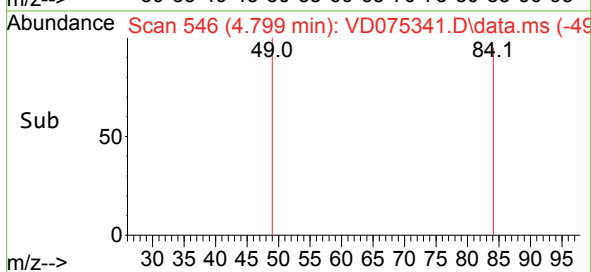
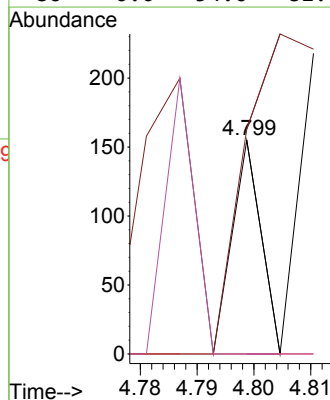
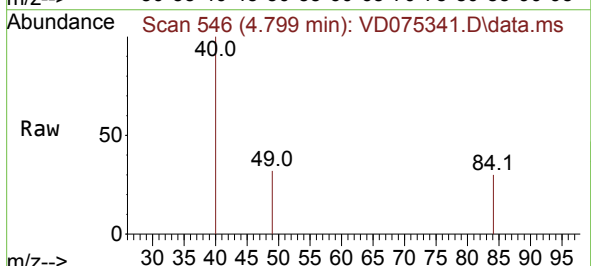
Ion Ratio Lower Upper

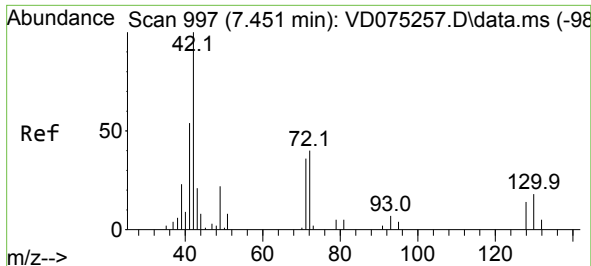
84 100

49 0.0 97.0 145.6#

51 0.0 30.9 46.3#

86 0.0 54.0 81.0#





#29

Tetrahydrofuran

Concen: 3.127 ug/l

RT: 7.463 min Scan# 997

Delta R.T. 0.012 min

Lab File: VD075341.D

Acq: 14 Feb 2023 14:15

Instrument :

MSVOA_D

ClientSampleId :

TOT-VOC-GRAB-20

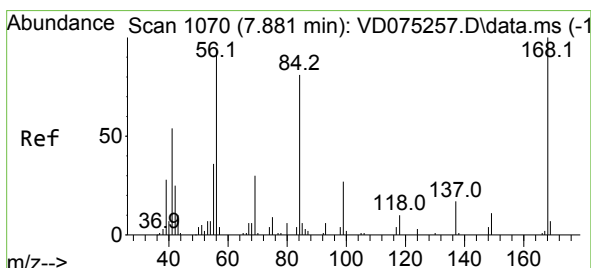
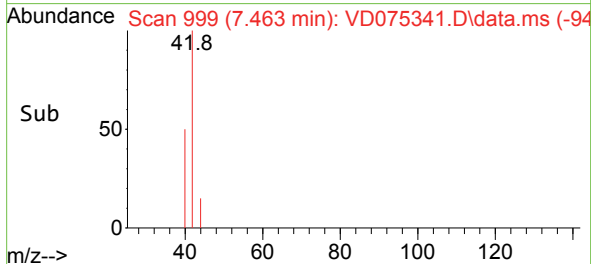
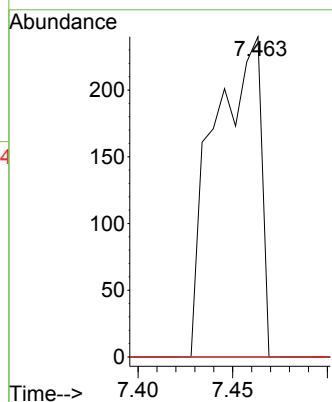
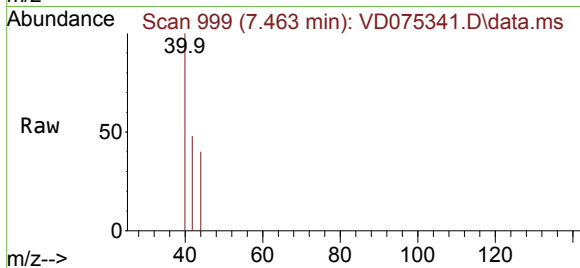
Tgt Ion: 42 Resp: 412

Ion Ratio Lower Upper

42 100

72 0.0 33.8 50.8#

71 0.0 31.6 47.4#



#31

Cyclohexane

Concen: 1.245 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.000 min

Lab File: VD075341.D

Acq: 14 Feb 2023 14:15

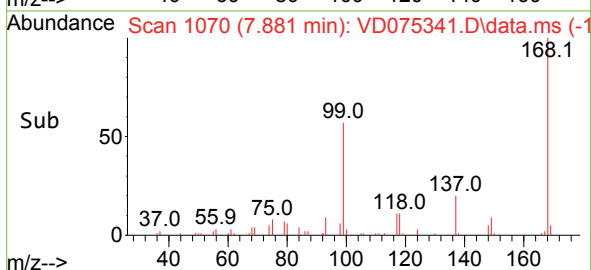
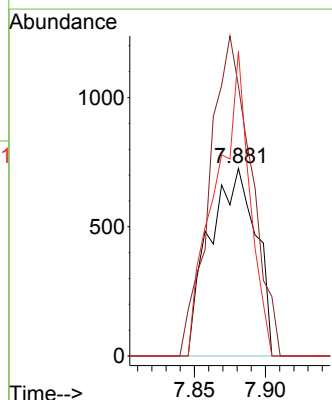
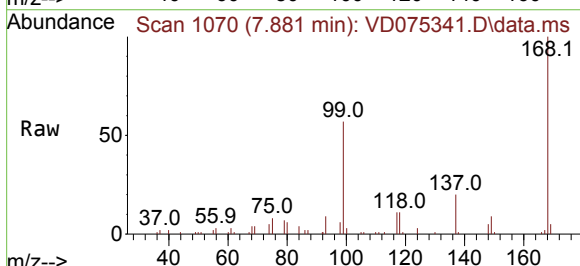
Tgt Ion: 56 Resp: 1651

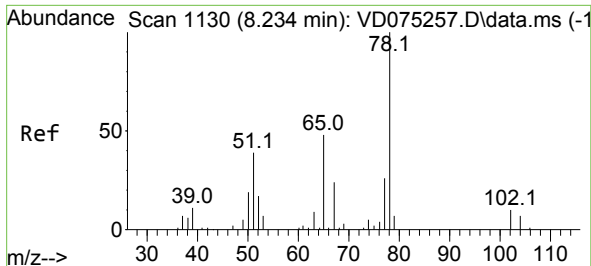
Ion Ratio Lower Upper

56 100

69 143.8 26.6 40.0#

84 162.4 74.1 111.1#





#33

1,2-Dichloroethane-d4

Concen: 47.869 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD075341.D

Acq: 14 Feb 2023 14:15

Instrument :

MSVOA_D

ClientSampleId :

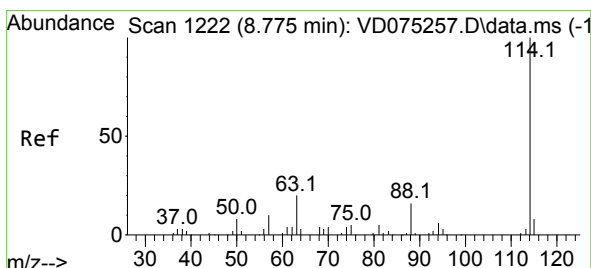
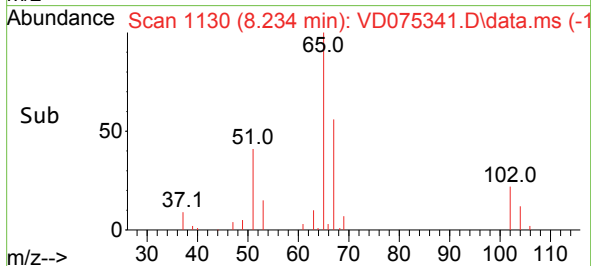
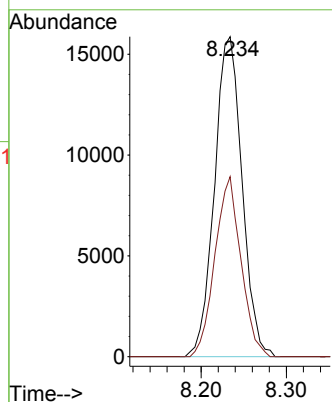
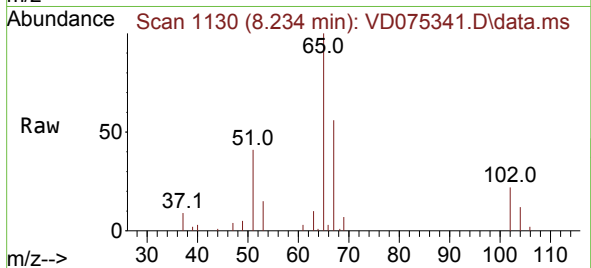
TOT-VOC-GRAB-20

Tgt Ion: 65 Resp: 35744

Ion Ratio Lower Upper

65 100

67 53.0 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: VD075341.D

Acq: 14 Feb 2023 14:15

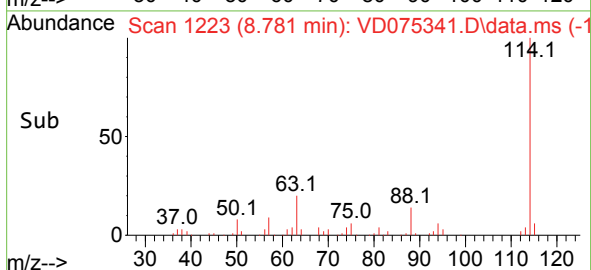
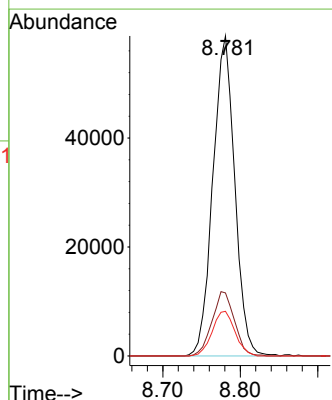
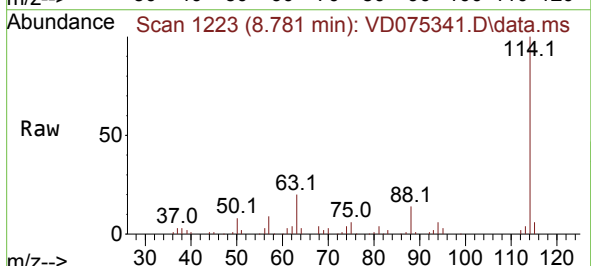
Tgt Ion:114 Resp: 115245

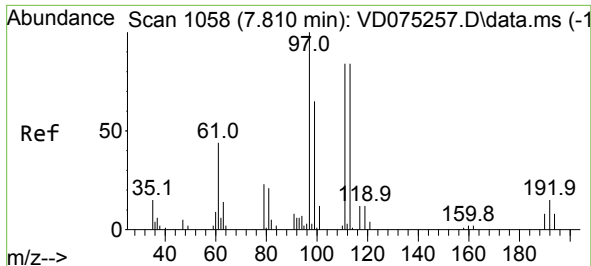
Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.2

88 13.9 0.0 32.2





#35

Dibromofluoromethane

Concen: 45.346 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD075341.D

Acq: 14 Feb 2023 14:15

Instrument :

MSVOA_D

ClientSampleId :

TOT-VOC-GRAB-20

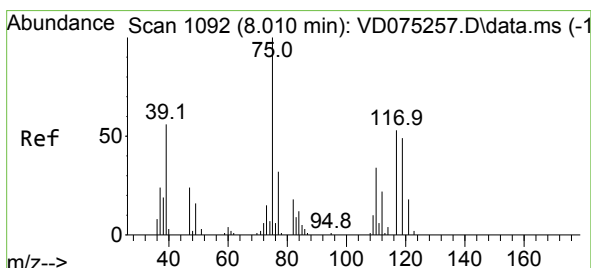
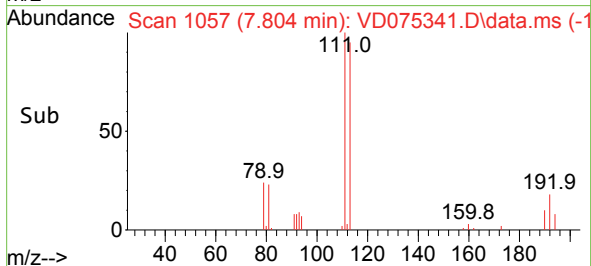
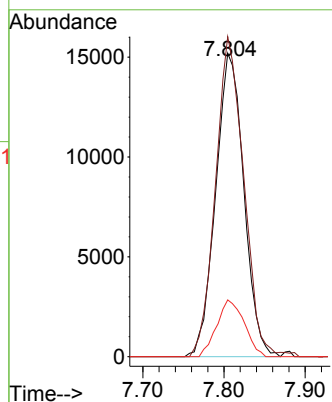
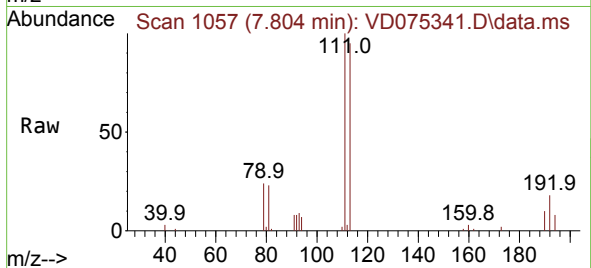
Tgt Ion:113 Resp: 36644

Ion Ratio Lower Upper

113 100

111 105.7 80.1 120.1

192 18.2 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.282 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD075341.D

Acq: 14 Feb 2023 14:15

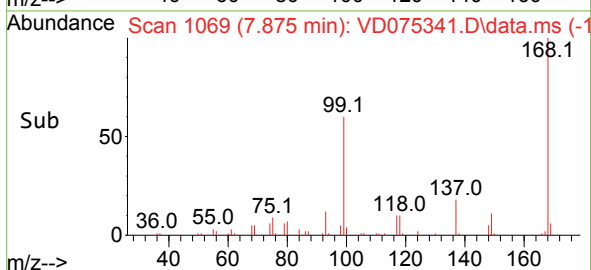
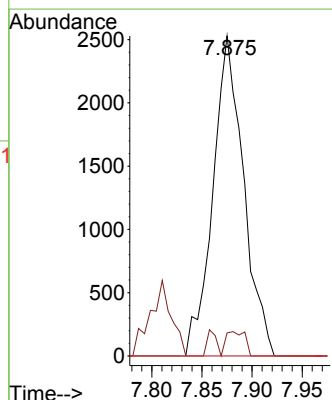
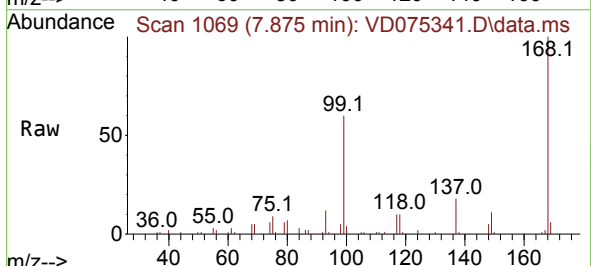
Tgt Ion: 75 Resp: 5390

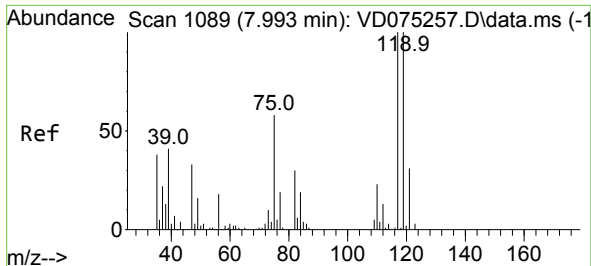
Ion Ratio Lower Upper

75 100

110 4.8 18.1 54.4#

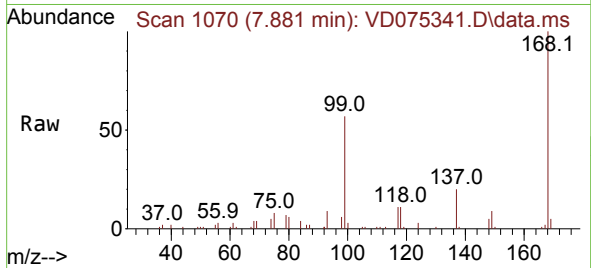
77 0.0 25.1 37.7#



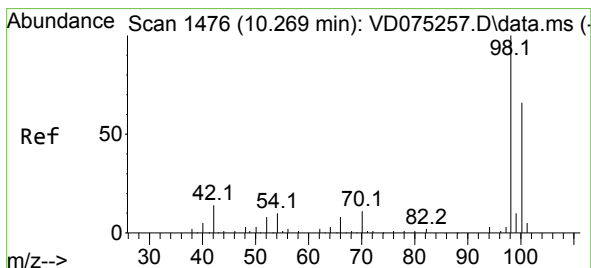
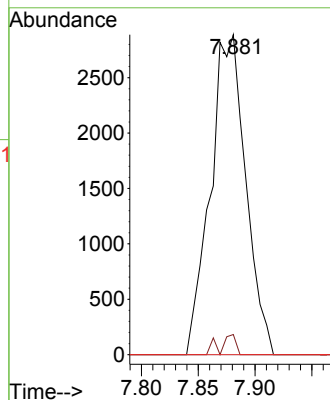
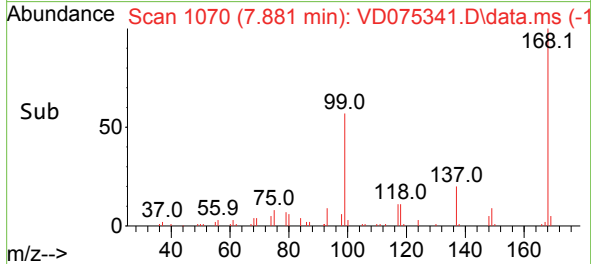


#38
Carbon Tetrachloride
Concen: 5.348 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD075341.D
Acq: 14 Feb 2023 14:15

Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-20

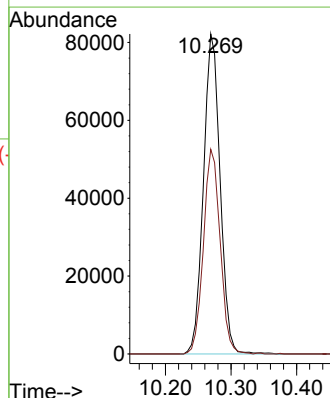
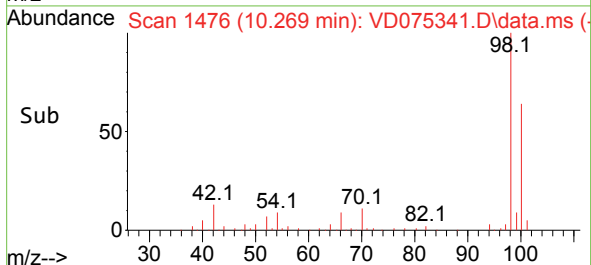
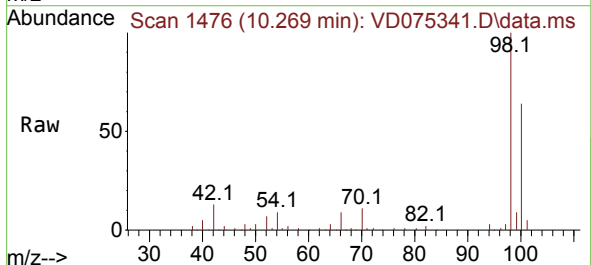


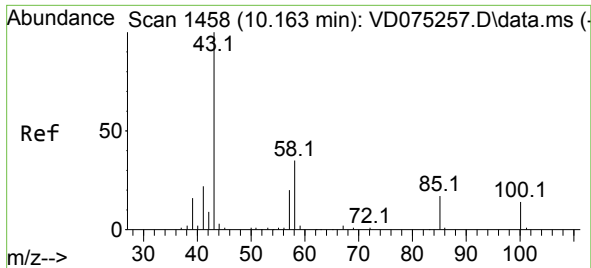
Tgt Ion:117 Resp: 6238
Ion Ratio Lower Upper
117 100
119 6.3 73.6 110.4#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 47.507 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075341.D
Acq: 14 Feb 2023 14:15

Tgt Ion: 98 Resp: 145589
Ion Ratio Lower Upper
98 100
100 64.0 52.7 79.1

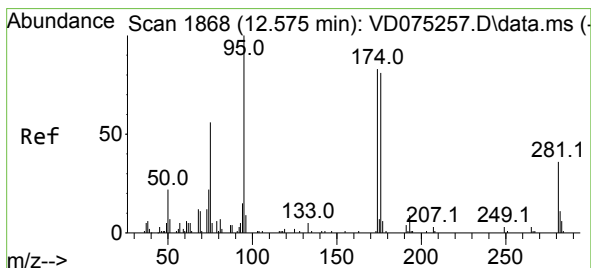
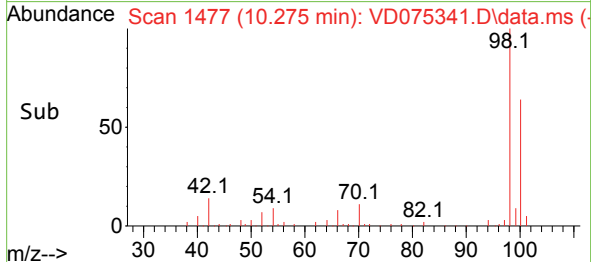
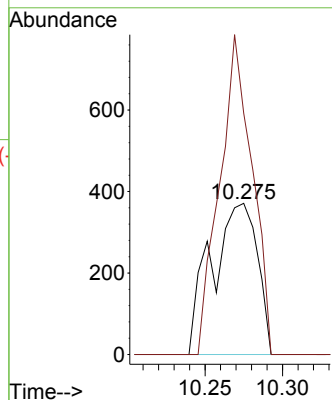
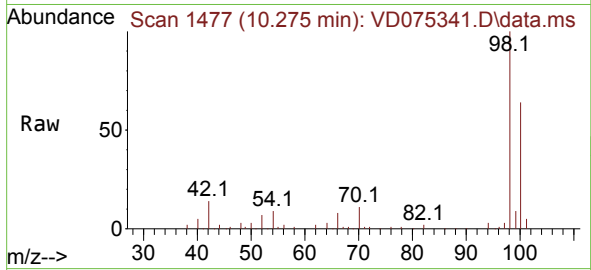




#51
4-Methyl-2-Pentanone
Concen: 1.442 ug/l
RT: 10.275 min Scan# 1458
Delta R.T. 0.112 min
Lab File: VD075341.D
Acq: 14 Feb 2023 14:15

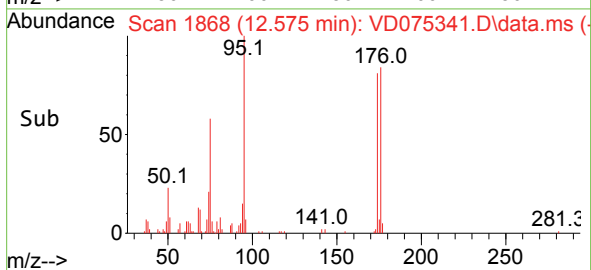
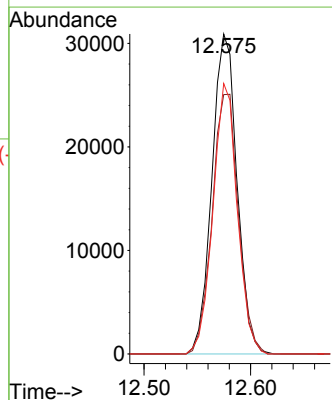
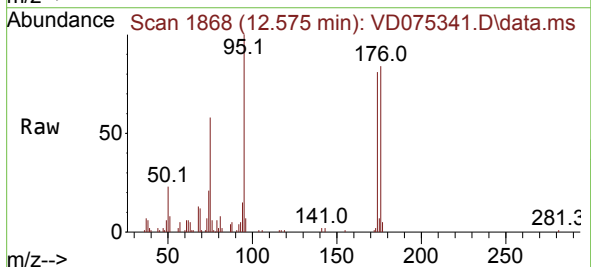
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-20

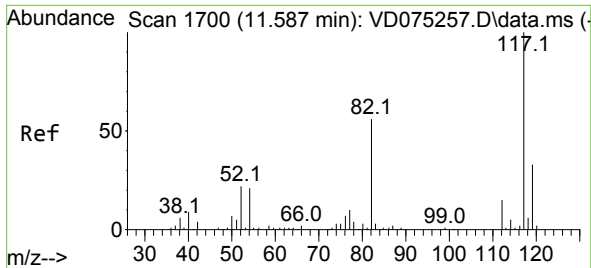
Tgt Ion: 43 Resp: 765
Ion Ratio Lower Upper
43 100
58 149.2 31.4 47.0#



#62
4-Bromofluorobenzene
Concen: 49.987 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075341.D
Acq: 14 Feb 2023 14:15

Tgt Ion: 95 Resp: 50512
Ion Ratio Lower Upper
95 100
174 85.0 0.0 161.2
176 82.0 0.0 160.2

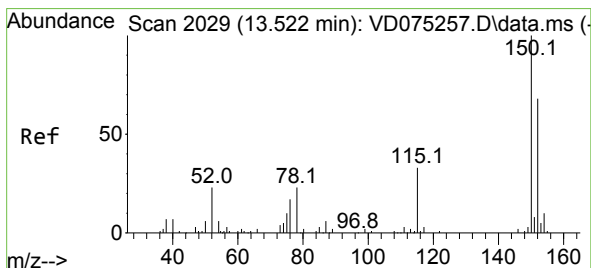
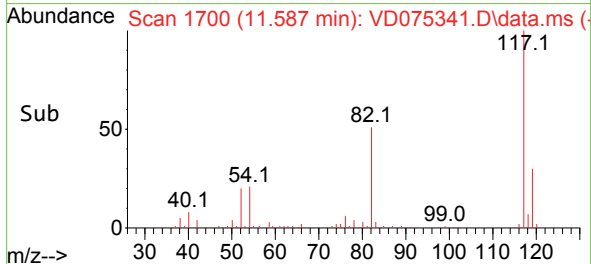
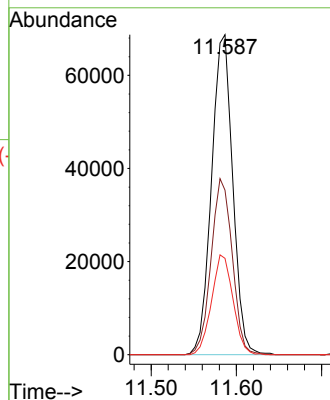
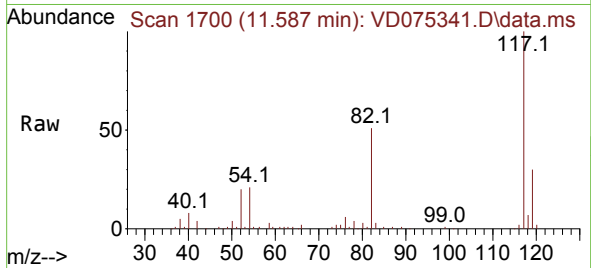




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075341.D
Acq: 14 Feb 2023 14:15

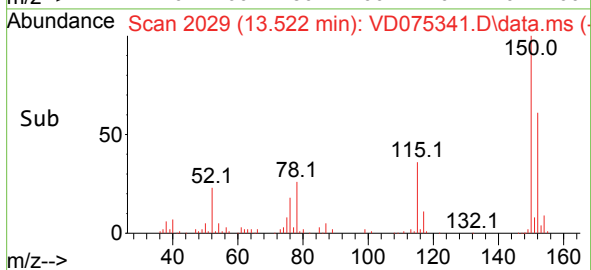
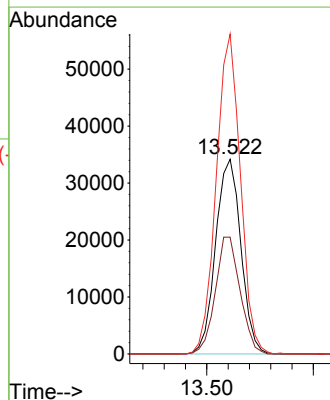
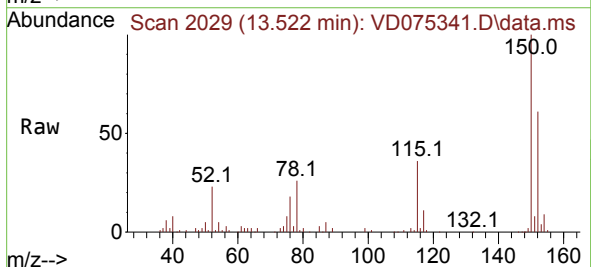
Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-20

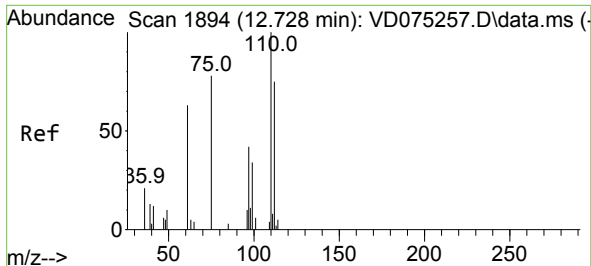
Tgt Ion:117 Resp: 119075
Ion Ratio Lower Upper
117 100
82 51.4 39.6 59.4
119 30.1 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075341.D
Acq: 14 Feb 2023 14:15

Tgt Ion:152 Resp: 56217
Ion Ratio Lower Upper
152 100
115 59.0 28.8 86.4
150 157.0 0.0 348.6

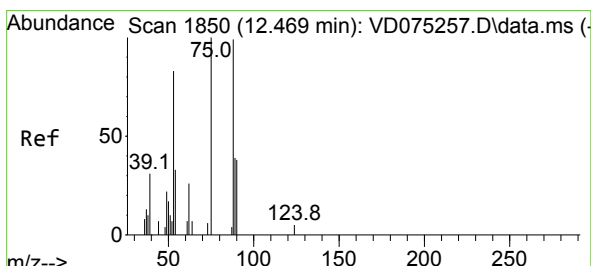
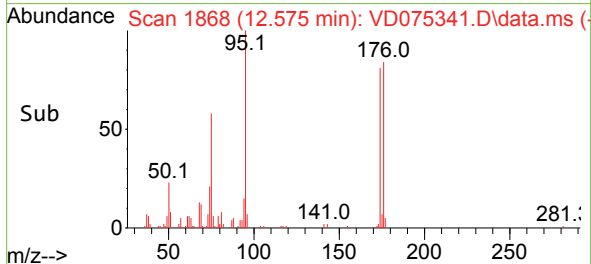
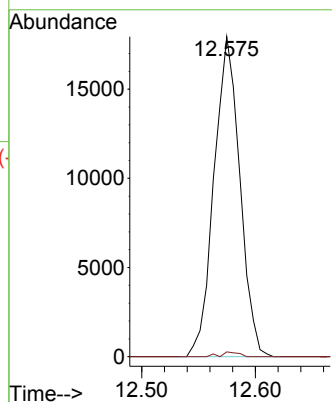
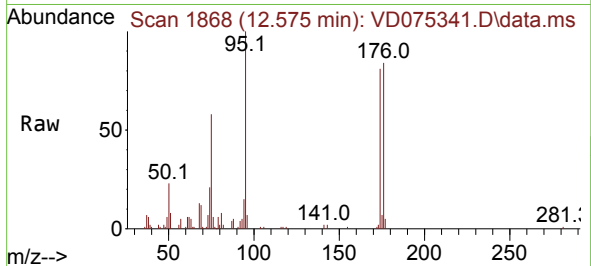




#76
1,2,3-Trichloropropane
Concen: 44.415 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075341.D
Acq: 14 Feb 2023 14:15

Instrument :
MSVOA_D
ClientSampleId :
TOT-VOC-GRAB-20

Tgt Ion: 75 Resp: 28361
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 140.226 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075341.D
Acq: 14 Feb 2023 14:15

Tgt Ion: 75 Resp: 28361
Ion Ratio Lower Upper
75 100
53 0.0 70.5 105.7#
89 0.0 34.6 52.0#

