

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020823\
 Data File : VY012539.D
 Acq On : 08 Feb 2023 13:52
 Operator : KP/MD
 Sample : 01464-02
 Misc : 3.78g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-56

Quant Time: Feb 09 07:14:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

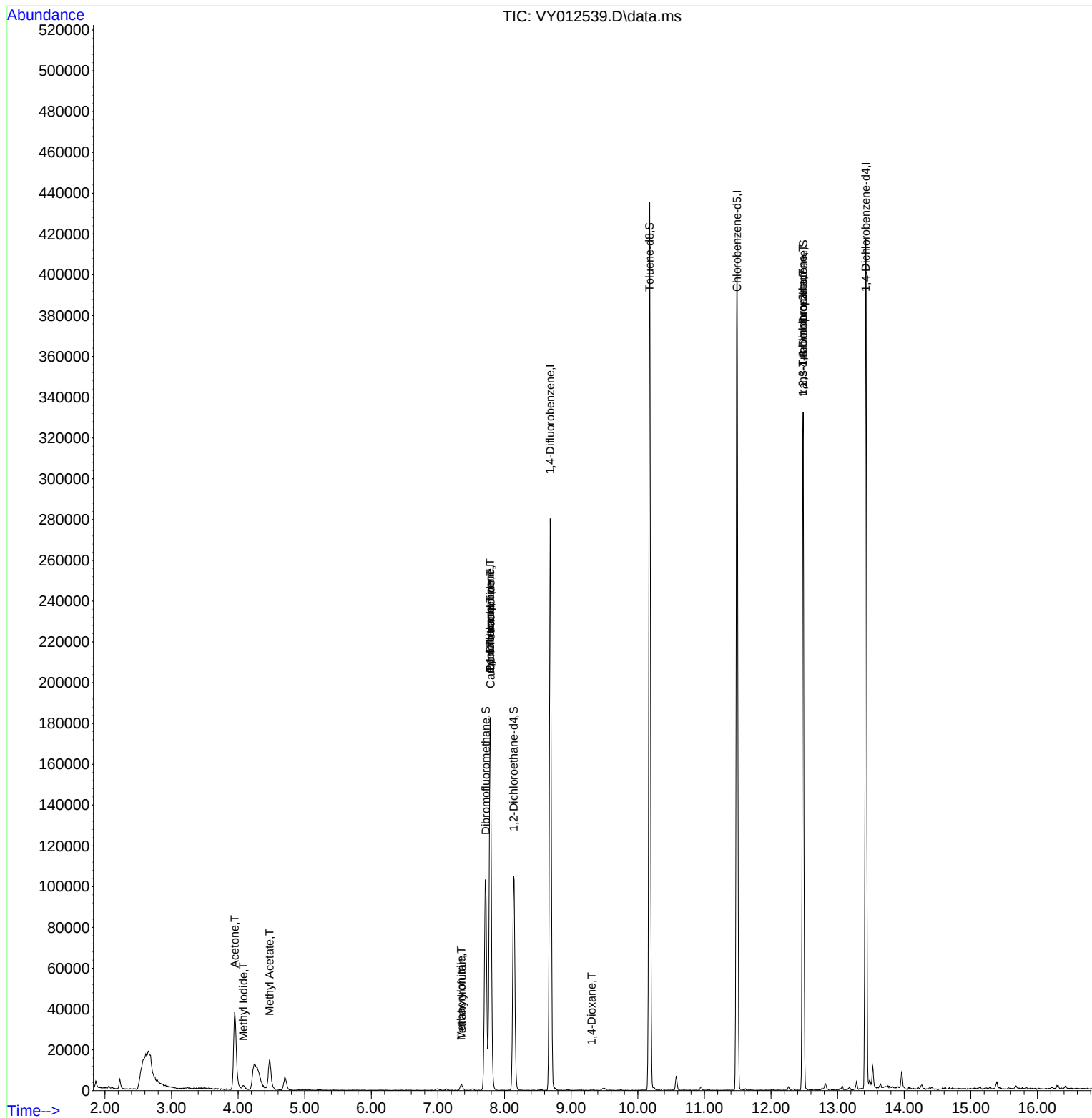
Internal Standards						
1) Pentafluorobenzene	7.783	168	147146	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	246269	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	240089	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	115688	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	89711	47.945	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.880%		
35) Dibromofluoromethane	7.716	113	73416	40.935	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	81.880%		
50) Toluene-d8	10.179	98	287287	38.485	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	76.960%		
62) 4-Bromofluorobenzene	12.483	95	101088	38.823	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	77.640%		
Target Compounds					Qvalue	
5) Bromomethane	2.613	94	1185	Below Cal		94
10) Methyl Iodide	4.076	142	2907	1.513 ug/l		93
11) Tert butyl alcohol	4.948	59	38	Below Cal	#	75
16) Acetone	3.948	43	68021	151.039 ug/l		99
18) Methyl Acetate	4.473	43	26178	24.184 ug/l		98
20) Methylene Chloride	4.710	84	5153	Below Cal		98
29) Tetrahydrofuran	7.356	42	2039	7.548 ug/l		94
31) Cyclohexane	7.783	56	2771	1.281 ug/l	#	40
36) 1,1-Dichloropropene	7.783	75	9801	4.038 ug/l	#	50
38) Carbon Tetrachloride	7.789	117	14560	4.469 ug/l	#	17
41) Methacrylonitrile	7.350	41	1284	2.140 ug/l	#	100
49) 1,4-Dioxane	9.307	88	633	44.548 ug/l	#	58
76) 1,2,3-Trichloropropane	12.477	75	51753	40.041 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.477	75	51753	90.294 ug/l	#	12

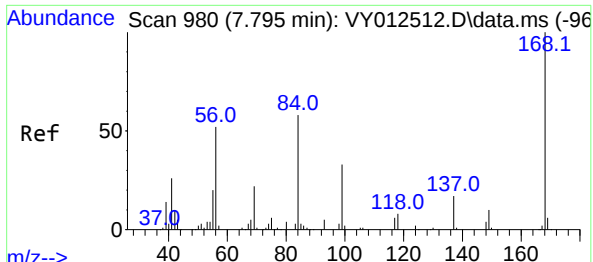
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020823\
Data File : VY012539.D
Acq On : 08 Feb 2023 13:52
Operator : KP/MD
Sample : 01464-02
Misc : 3.78g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-56

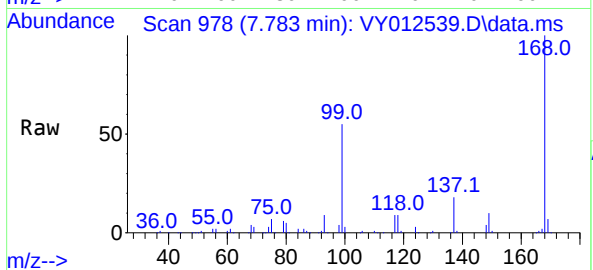
Quant Time: Feb 09 07:14:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 08 01:09:03 2023
Response via : Initial Calibration



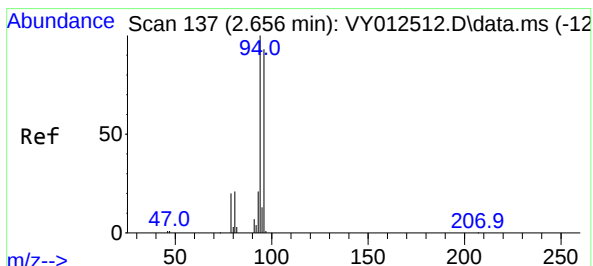
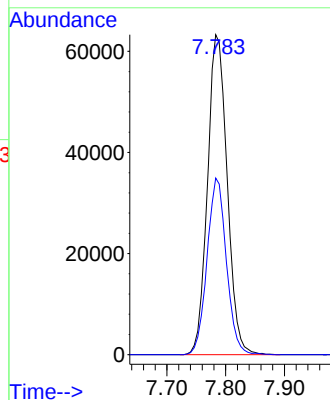
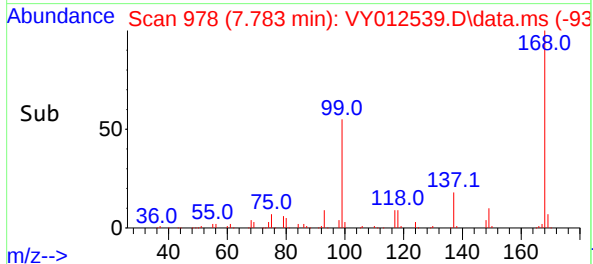


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY012539.D
Acq: 08 Feb 2023 13:52

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-56

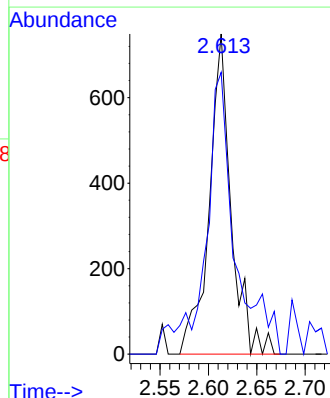
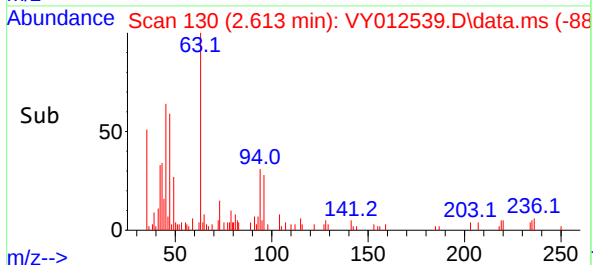
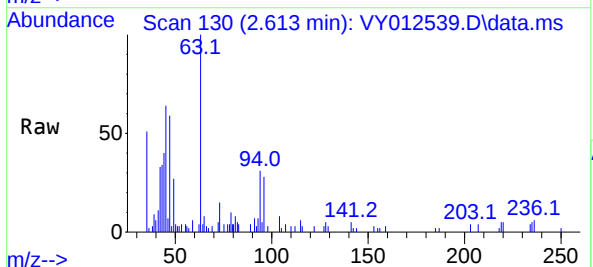


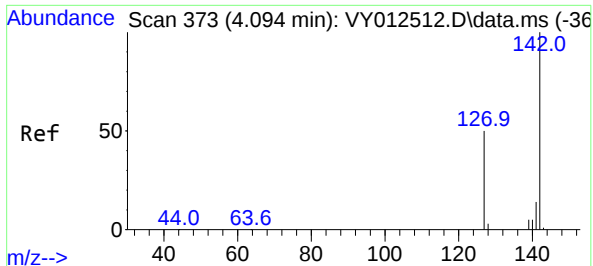
Tgt Ion:168 Resp: 147146
Ion Ratio Lower Upper
168 100
99 55.2 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.613 min Scan# 130
Delta R.T. -0.043 min
Lab File: VY012539.D
Acq: 08 Feb 2023 13:52

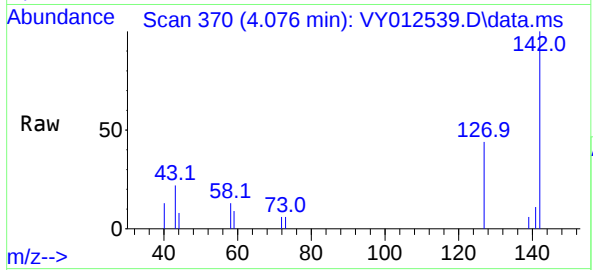
Tgt Ion: 94 Resp: 1185
Ion Ratio Lower Upper
94 100
96 88.0 74.7 112.1



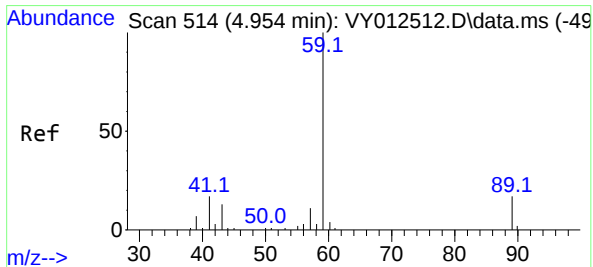
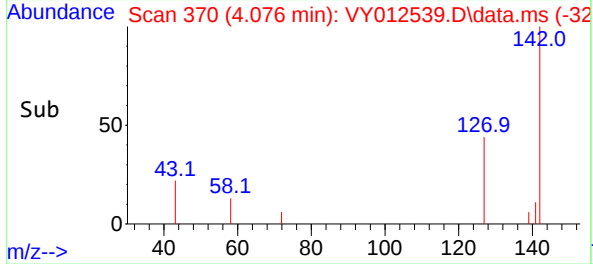
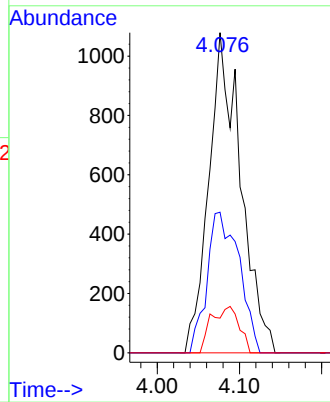


#10
Methyl Iodide
Concen: 1.513 ug/l
RT: 4.076 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY012539.D
Acq: 08 Feb 2023 13:52

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-56

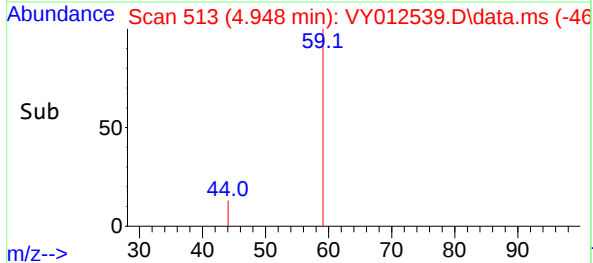
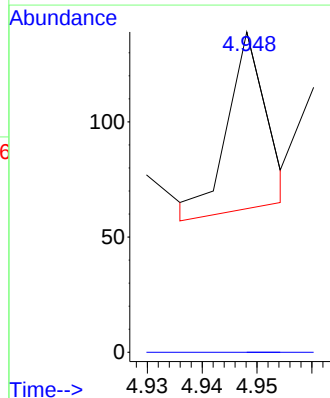
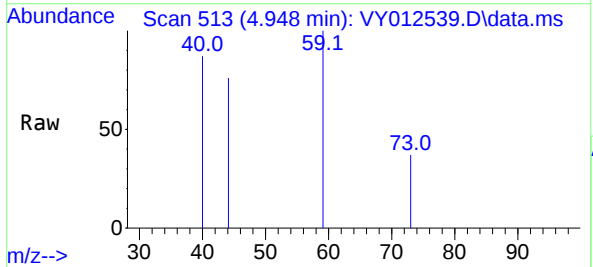


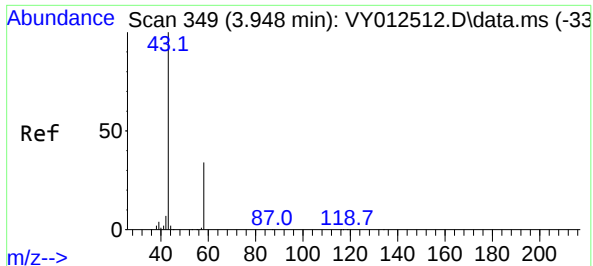
Tgt Ion:142 Resp: 2907
Ion Ratio Lower Upper
142 100
127 44.2 39.8 59.6
141 12.6 11.6 17.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY012539.D
Acq: 08 Feb 2023 13:52

Tgt Ion: 59 Resp: 38
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

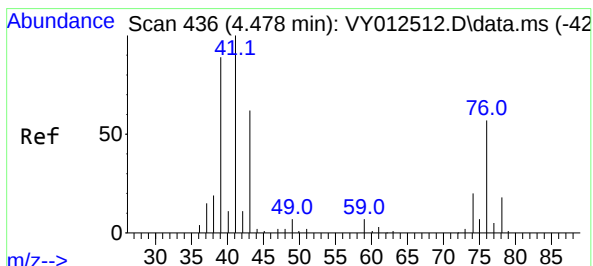
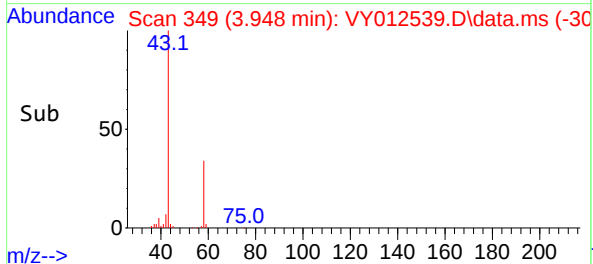
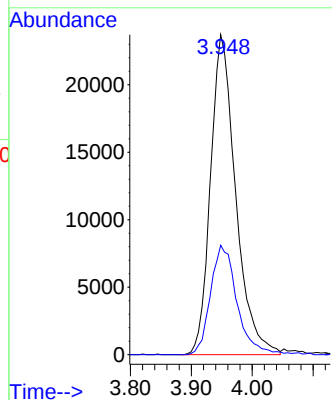
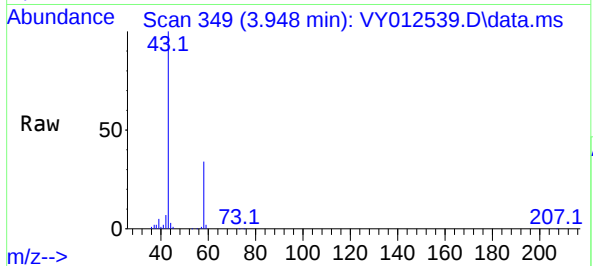




#16
Acetone
Concen: 151.039 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY012539.D
Acq: 08 Feb 2023 13:52

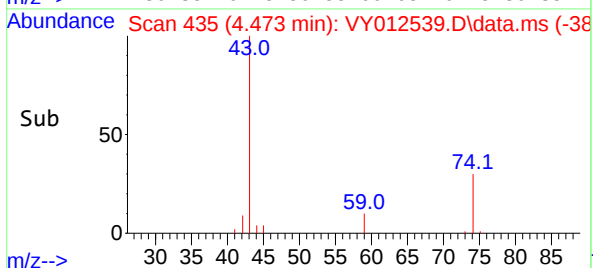
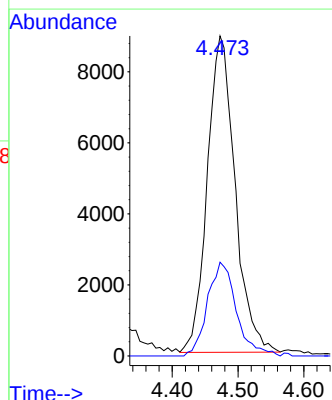
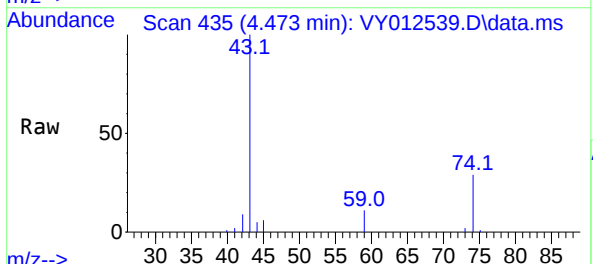
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-56

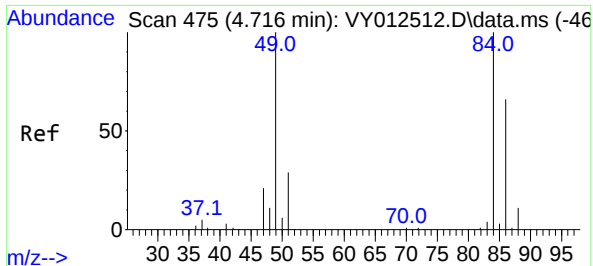
Tgt Ion: 43 Resp: 68021
Ion Ratio Lower Upper
43 100
58 34.2 27.1 40.7



#18
Methyl Acetate
Concen: 24.184 ug/l
RT: 4.473 min Scan# 435
Delta R.T. -0.006 min
Lab File: VY012539.D
Acq: 08 Feb 2023 13:52

Tgt Ion: 43 Resp: 26178
Ion Ratio Lower Upper
43 100
74 30.7 25.6 38.4





#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY012539.D

Acq: 08 Feb 2023 13:52

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-56

Tgt Ion: 84 Resp: 5153

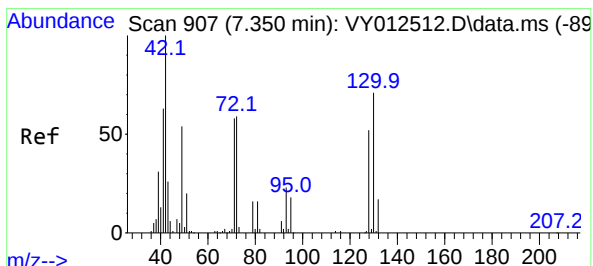
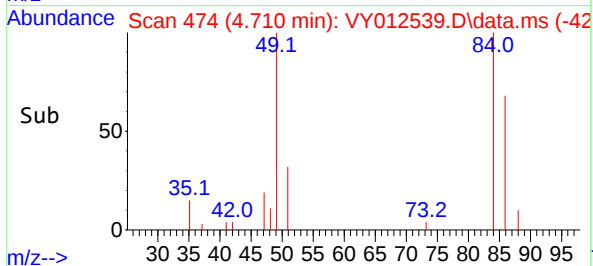
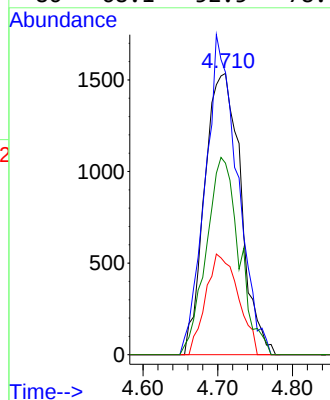
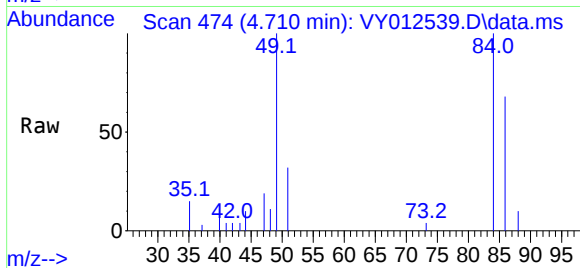
Ion Ratio Lower Upper

84 100

49 100.4 79.8 119.6

51 32.5 23.4 35.2

86 68.1 52.5 78.7



#29

Tetrahydrofuran

Concen: 7.548 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY012539.D

Acq: 08 Feb 2023 13:52

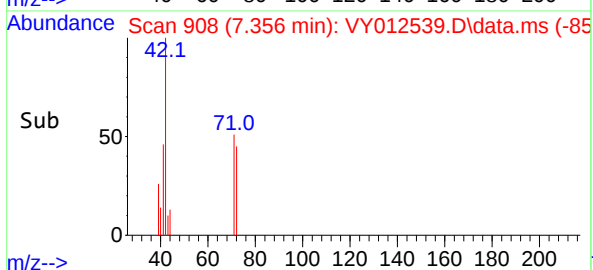
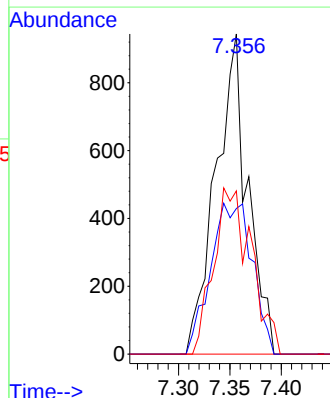
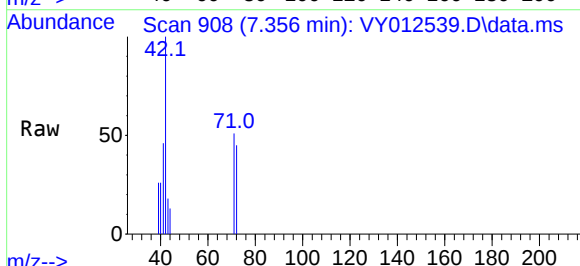
Tgt Ion: 42 Resp: 2039

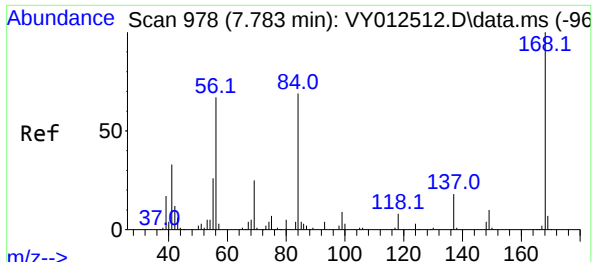
Ion Ratio Lower Upper

42 100

72 61.5 47.0 70.6

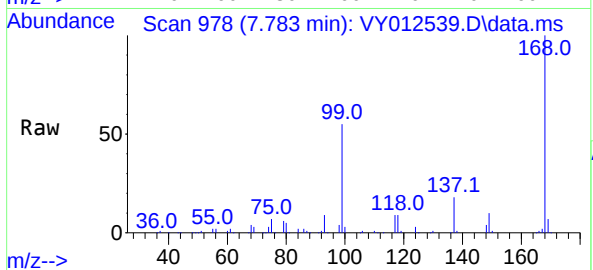
71 61.5 44.6 66.8



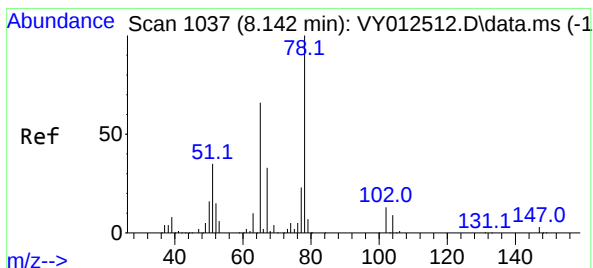
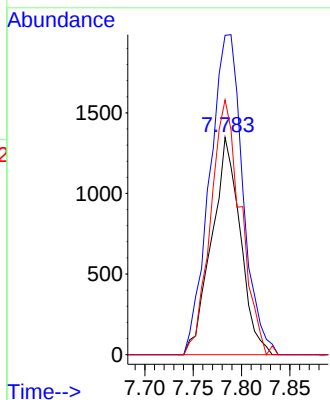
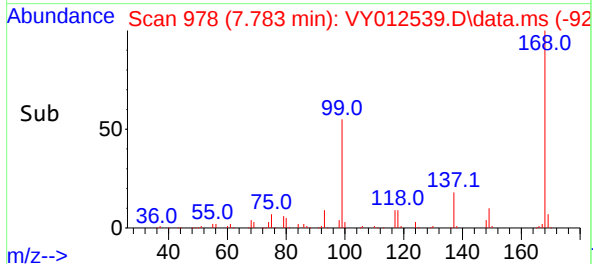


#31
Cyclohexane
Concen: 1.281 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012539.D
Acq: 08 Feb 2023 13:52

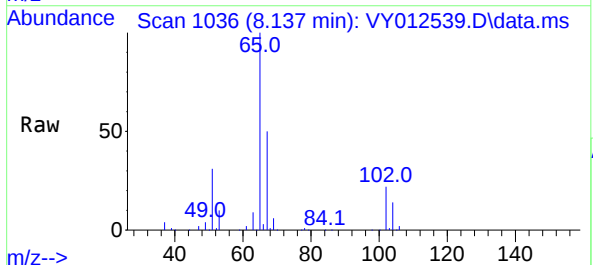
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-56



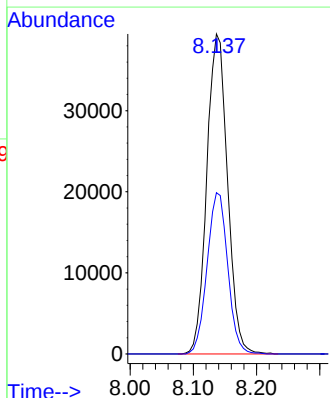
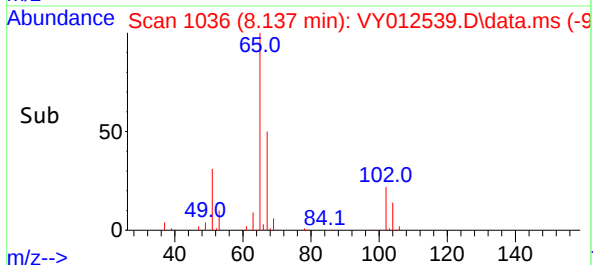
Tgt Ion: 56 Resp: 2771
Ion Ratio Lower Upper
56 100
69 147.0 29.5 44.3#
84 117.3 81.9 122.9

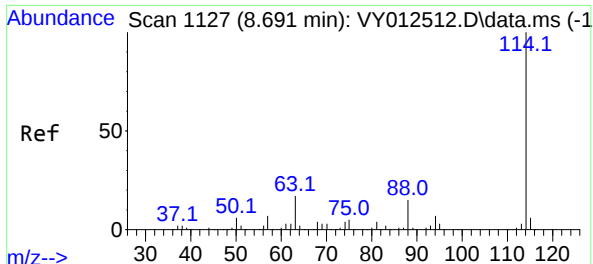


#33
1,2-Dichloroethane-d4
Concen: 47.945 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012539.D
Acq: 08 Feb 2023 13:52



Tgt Ion: 65 Resp: 89711
Ion Ratio Lower Upper
65 100
67 50.1 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012539.D

Acq: 08 Feb 2023 13:52

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-56

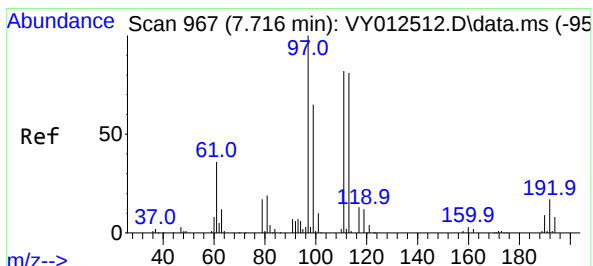
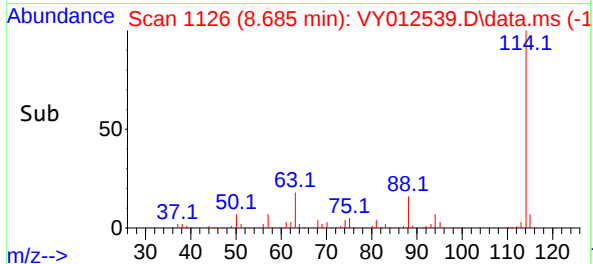
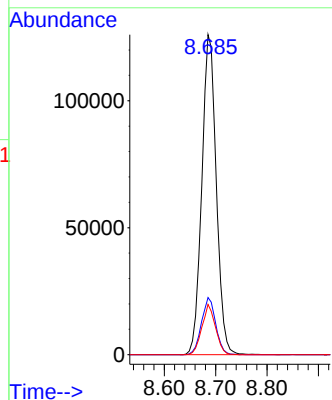
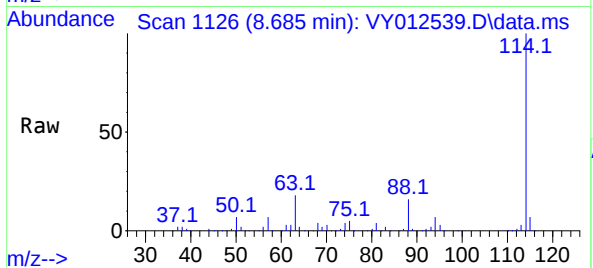
Tgt Ion:114 Resp: 246269

Ion Ratio Lower Upper

114 100

63 17.8 0.0 33.6

88 15.7 0.0 29.8



#35

Dibromofluoromethane

Concen: 40.935 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012539.D

Acq: 08 Feb 2023 13:52

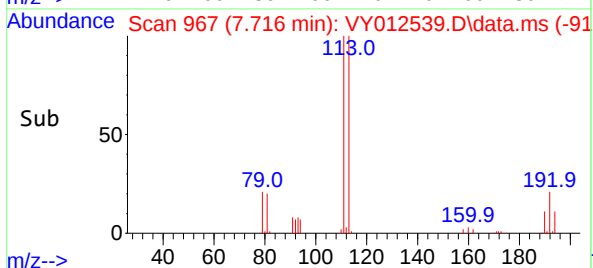
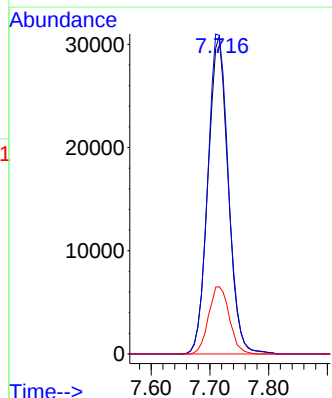
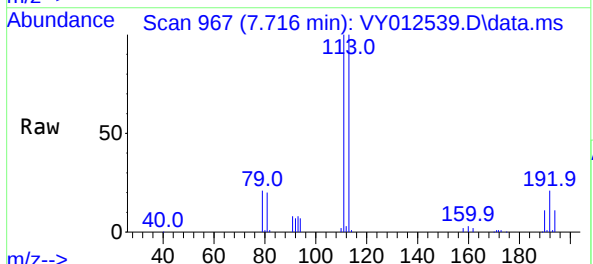
Tgt Ion:113 Resp: 73416

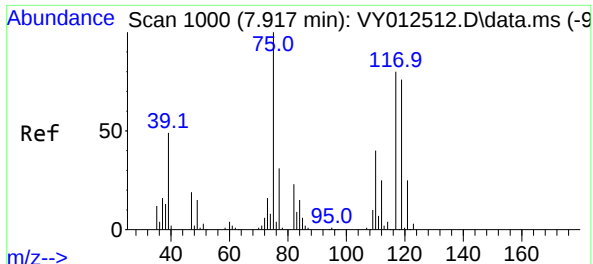
Ion Ratio Lower Upper

113 100

111 103.3 81.9 122.9

192 21.7 17.5 26.3





#36

1,1-Dichloropropene

Concen: 4.038 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY012539.D

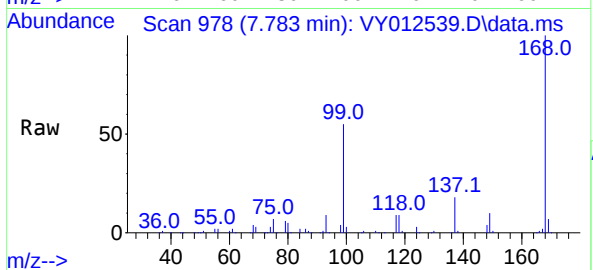
Acq: 08 Feb 2023 13:52

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-56



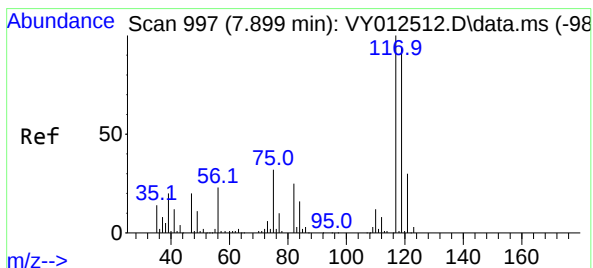
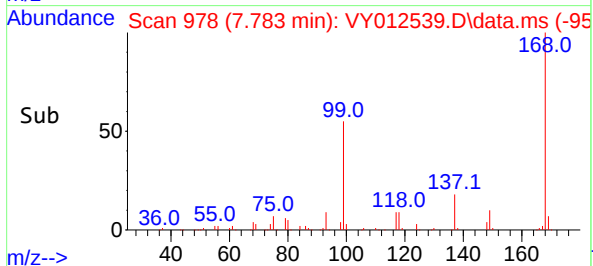
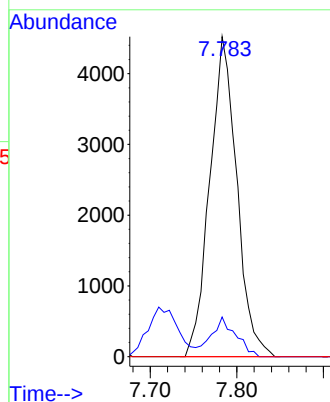
Tgt Ion: 75 Resp: 9801

Ion Ratio Lower Upper

75 100

110 11.3 19.5 58.5#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 4.469 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.109 min

Lab File: VY012539.D

Acq: 08 Feb 2023 13:52

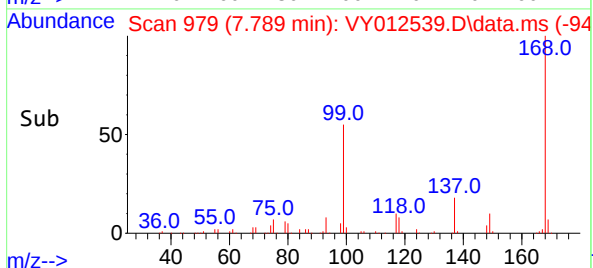
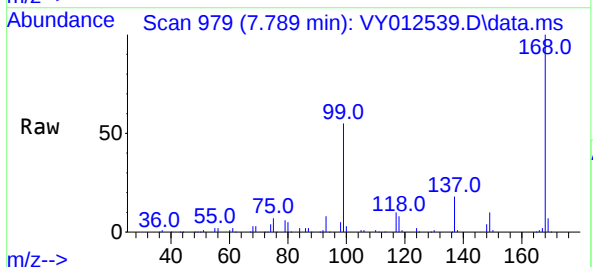
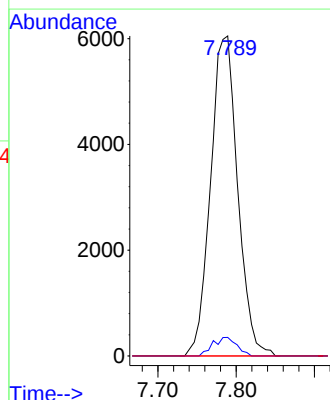
Tgt Ion: 117 Resp: 14560

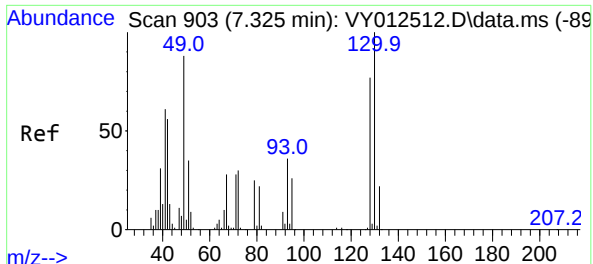
Ion Ratio Lower Upper

117 100

119 5.8 75.1 112.7#

121 0.0 24.3 36.5#

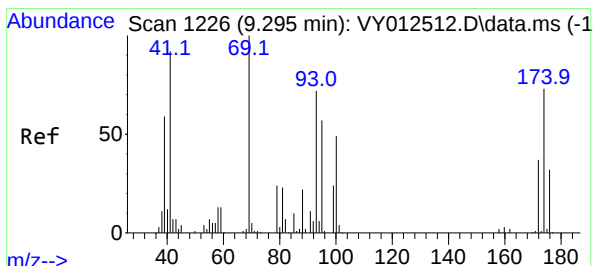
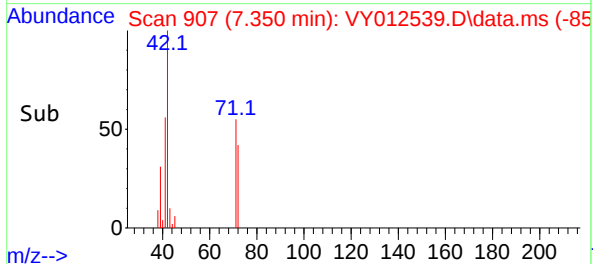
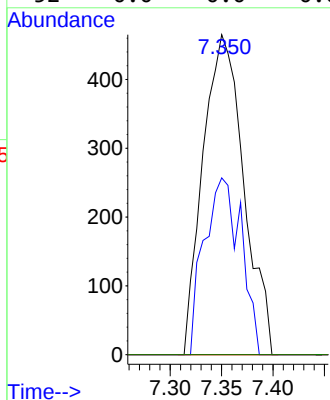
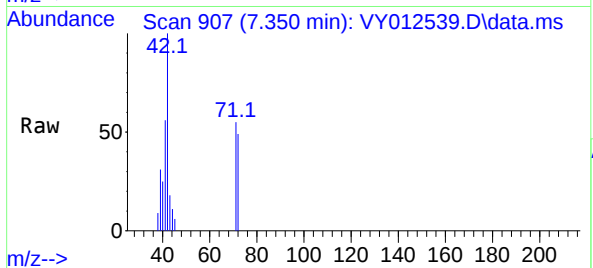




#41
Methacrylonitrile
Concen: 2.140 ug/l
RT: 7.350 min Scan# 903
Delta R.T. 0.025 min
Lab File: VY012539.D
Acq: 08 Feb 2023 13:52

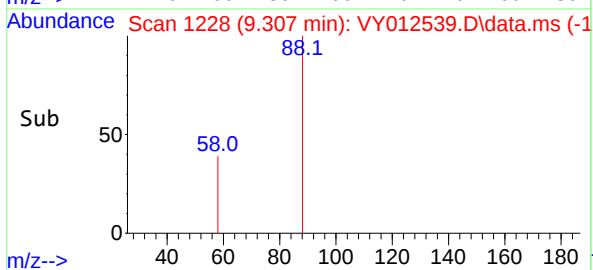
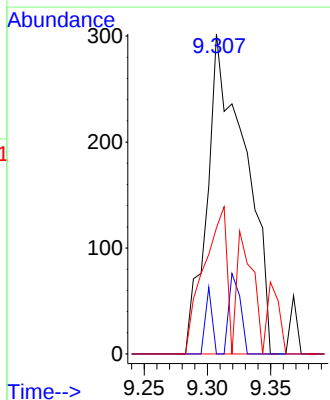
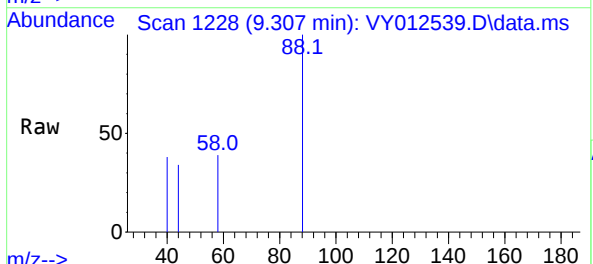
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-56

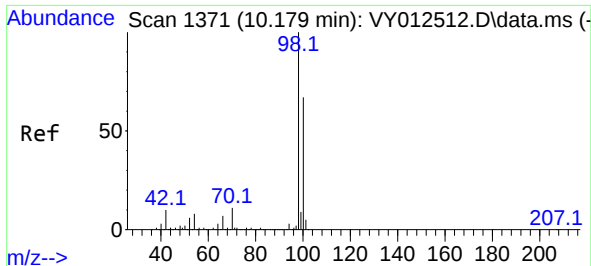
Tgt Ion:	41	Resp:	1284
Ion	Ratio	Lower	Upper
41	100		
39	50.0	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#49
1,4-Dioxane
Concen: 44.548 ug/l
RT: 9.307 min Scan# 1228
Delta R.T. 0.012 min
Lab File: VY012539.D
Acq: 08 Feb 2023 13:52

Tgt Ion:	88	Resp:	633
Ion	Ratio	Lower	Upper
88	100		
43	3.6	22.6	33.8#
58	27.8	45.4	68.0#

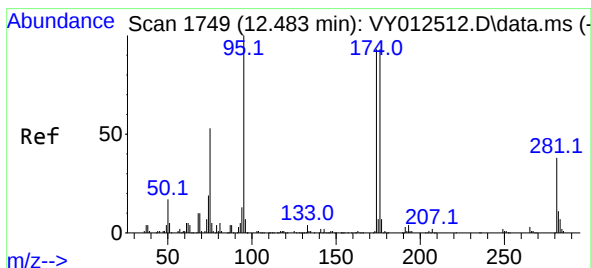
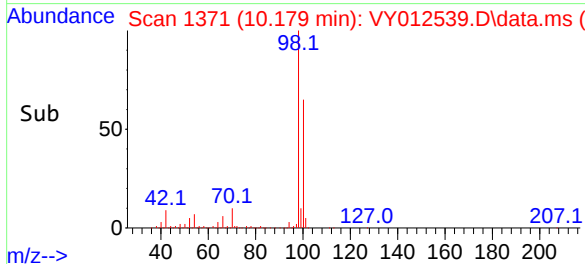
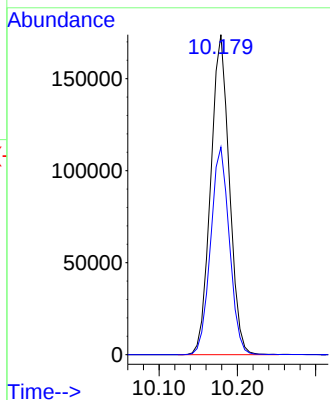
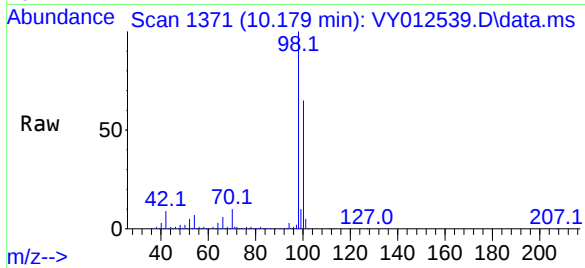




#50
Toluene-d8
Concen: 38.485 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012539.D
Acq: 08 Feb 2023 13:52

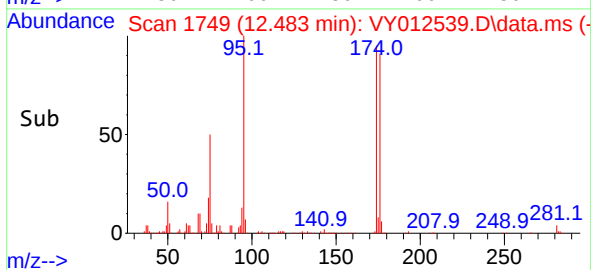
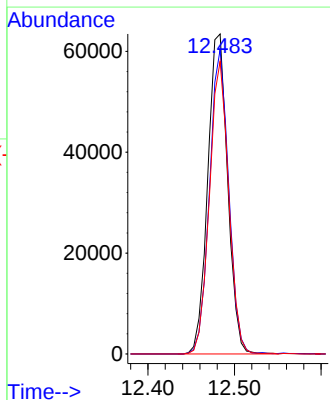
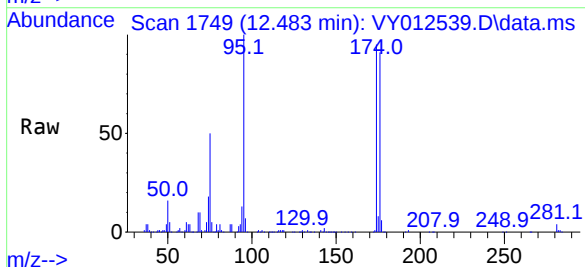
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-56

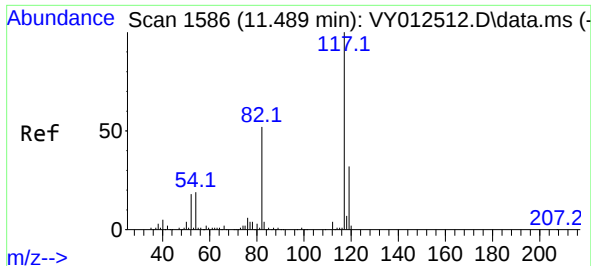
Tgt Ion: 98 Resp: 287287
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 38.823 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012539.D
Acq: 08 Feb 2023 13:52

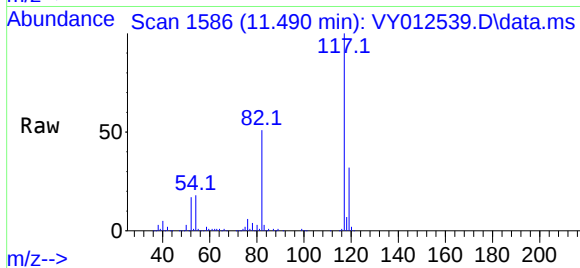
Tgt Ion: 95 Resp: 101088
Ion Ratio Lower Upper
95 100
174 91.6 0.0 188.0
176 88.6 0.0 183.6



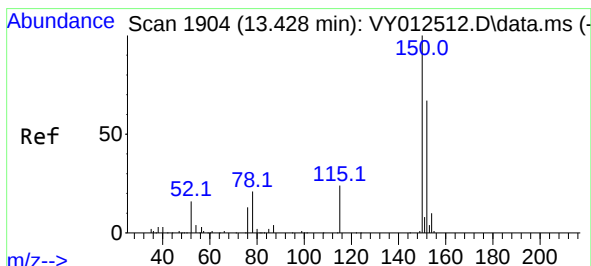
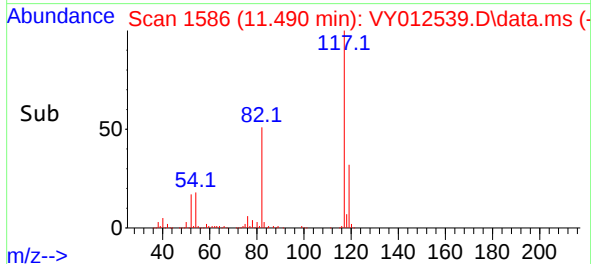
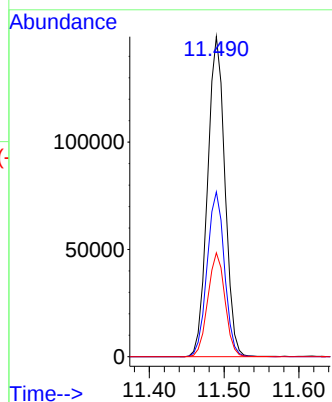


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012539.D
Acq: 08 Feb 2023 13:52

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-56

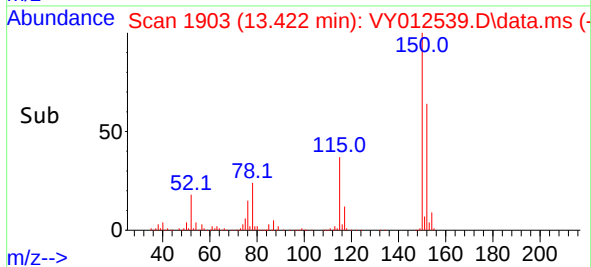
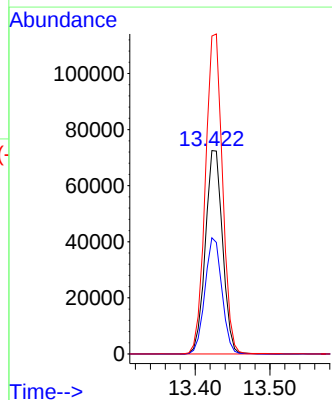
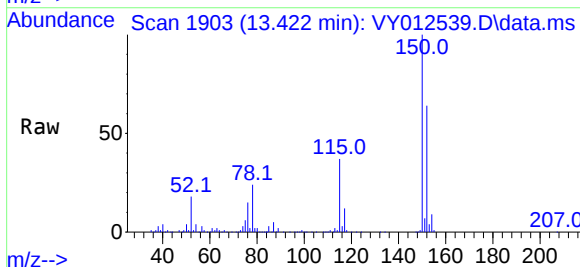


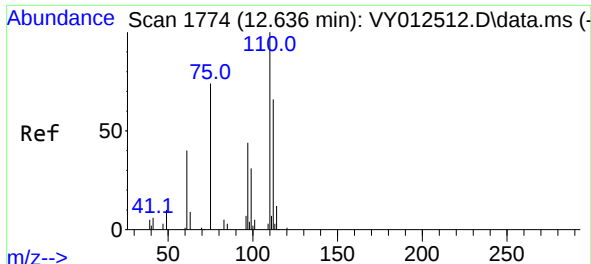
Tgt Ion:117 Resp: 240089
Ion Ratio Lower Upper
117 100
82 51.5 41.7 62.5
119 32.5 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY012539.D
Acq: 08 Feb 2023 13:52

Tgt Ion:152 Resp: 115688
Ion Ratio Lower Upper
152 100
115 56.3 28.1 84.3
150 156.4 0.0 351.0

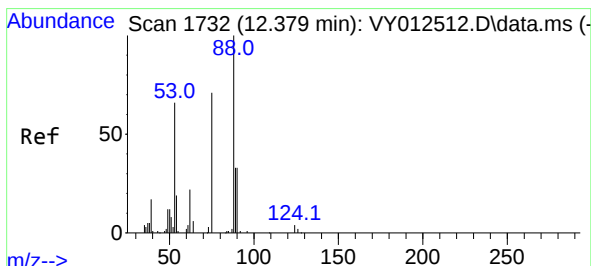
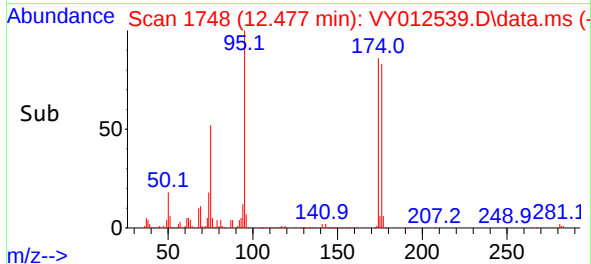
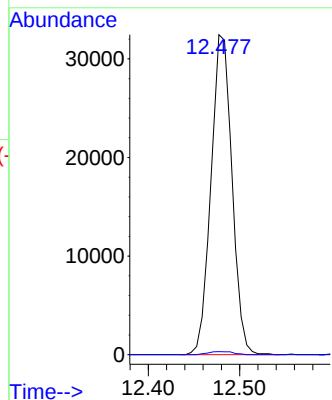
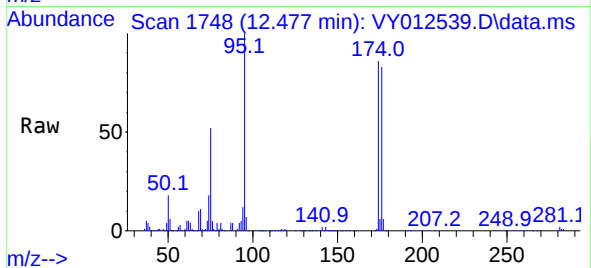




#76
1,2,3-Trichloropropane
Concen: 40.041 ug/l
RT: 12.477 min Scan# 1774
Delta R.T. -0.158 min
Lab File: VY012539.D
Acq: 08 Feb 2023 13:52

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-56

Tgt Ion: 75 Resp: 51753
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.294 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY012539.D
Acq: 08 Feb 2023 13:52

Tgt Ion: 75 Resp: 51753
Ion Ratio Lower Upper
75 100
53 0.1 73.1 109.7#
89 0.0 39.9 59.9#

