

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020823\
 Data File : VY012542.D
 Acq On : 08 Feb 2023 15:02
 Operator : KP/MD
 Sample : 01462-06
 Misc : 2.70g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Feb 09 07:14:35 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)

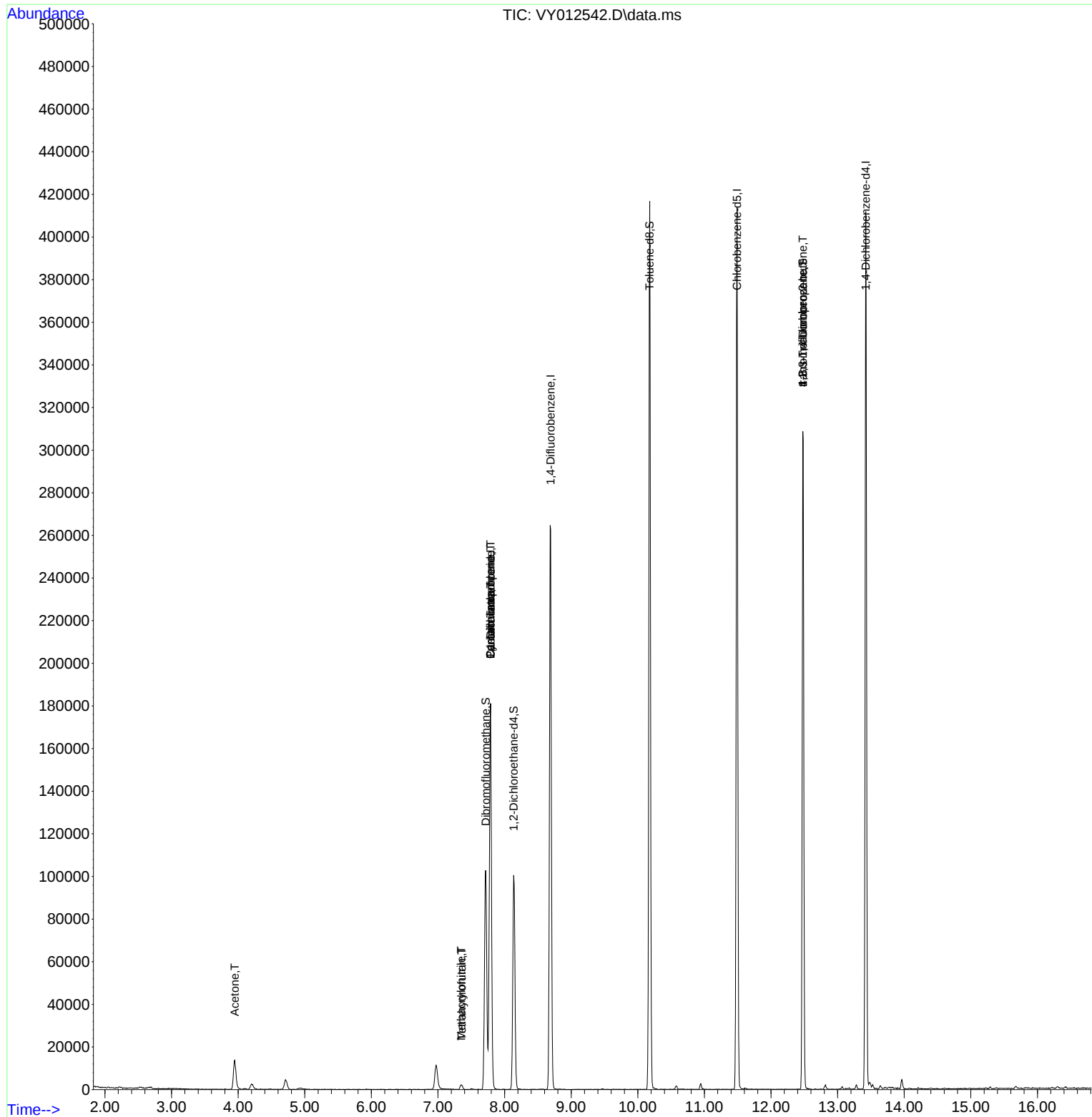
Internal Standards						
1) Pentafluorobenzene	7.789	168	143133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	238539	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	230597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	109291	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	85655	47.060	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.120%		
35) Dibromofluoromethane	7.716	113	71301	41.044	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	82.080%		
50) Toluene-d8	10.179	98	279429	38.645	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	77.300%		
62) 4-Bromofluorobenzene	12.477	95	93678	37.143	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	74.280%		
Target Compounds						
2) Dichlorodifluoromethane	1.894	85	20	Below Cal	#	41
5) Bromomethane	2.656	94	115	Below Cal	#	75
11) Tert butyl alcohol	4.948	59	1087	Below Cal	#	75
16) Acetone	3.948	43	23635	53.952	ug/l	95
20) Methylene Chloride	4.710	84	3775	Below Cal		98
29) Tetrahydrofuran	7.356	42	1597	6.078	ug/l	97
31) Cyclohexane	7.789	56	2374	1.128	ug/l #	38
36) 1,1-Dichloropropene	7.789	75	9760	4.151	ug/l #	48
38) Carbon Tetrachloride	7.789	117	13752	4.357	ug/l #	17
41) Methacrylonitrile	7.350	41	951	1.636	ug/l #	100
76) 1,2,3-Trichloropropane	12.477	75	49531	40.565	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	49531	91.476	ug/l #	12

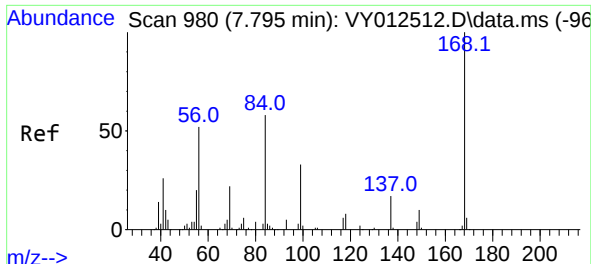
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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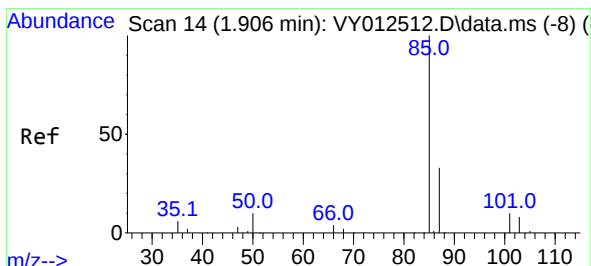
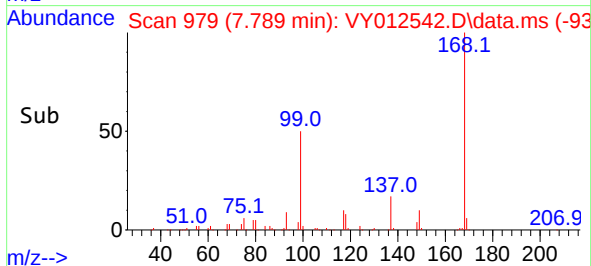
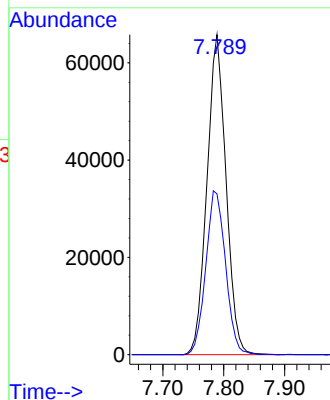
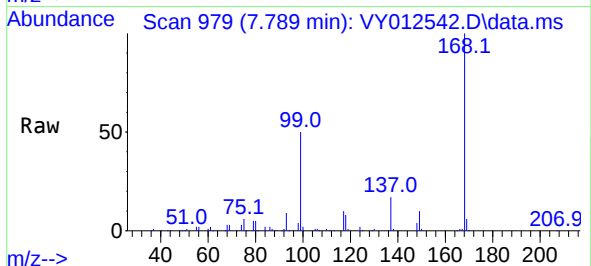




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012542.D
Acq: 08 Feb 2023 15:02

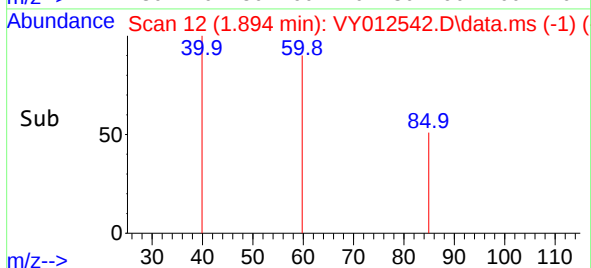
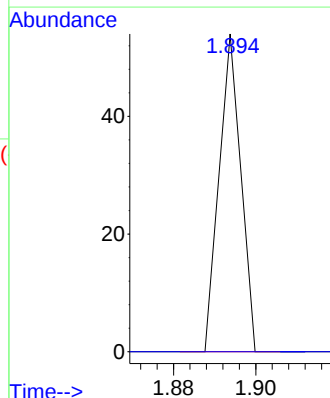
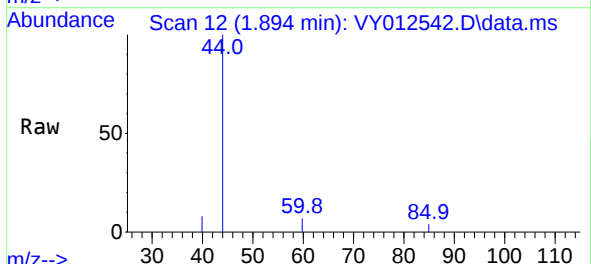
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-4

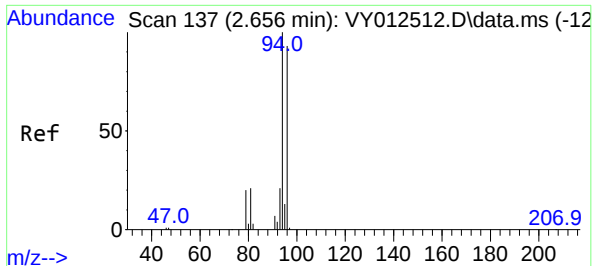
Tgt Ion:168 Resp: 143133
Ion Ratio Lower Upper
168 100
99 50.3 40.8 61.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.894 min Scan# 12
Delta R.T. -0.012 min
Lab File: VY012542.D
Acq: 08 Feb 2023 15:02

Tgt Ion: 85 Resp: 20
Ion Ratio Lower Upper
85 100
87 0.0 16.6 49.8

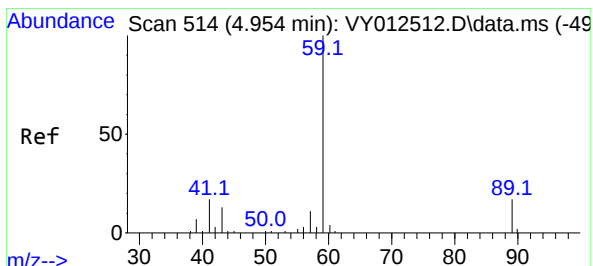
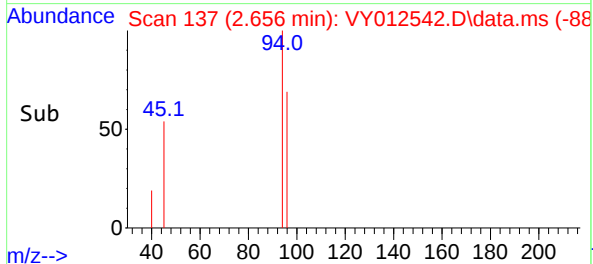
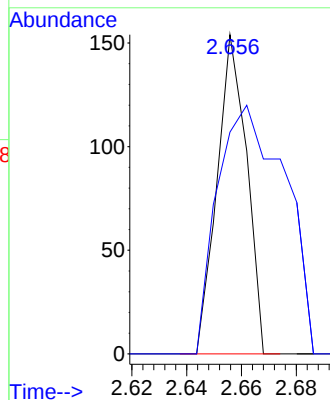
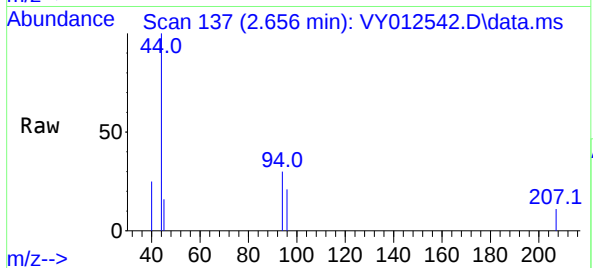




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012542.D
Acq: 08 Feb 2023 15:02

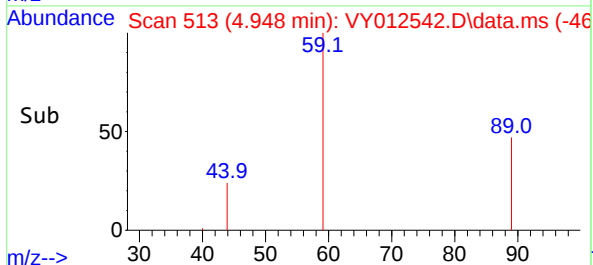
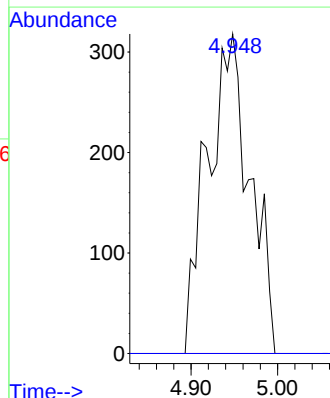
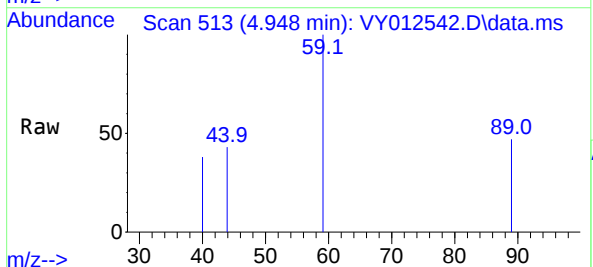
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-4

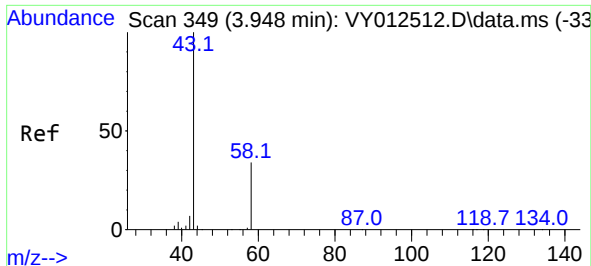
Tgt Ion: 94 Resp: 115
Ion Ratio Lower Upper
94 100
96 69.5 74.7 112.1#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY012542.D
Acq: 08 Feb 2023 15:02

Tgt Ion: 59 Resp: 1087
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

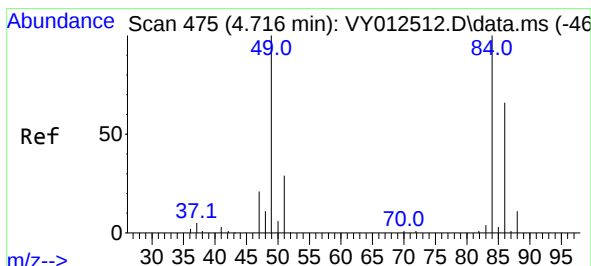
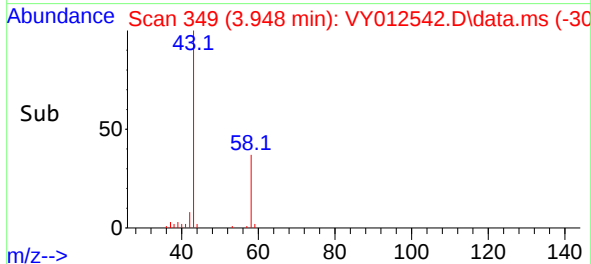
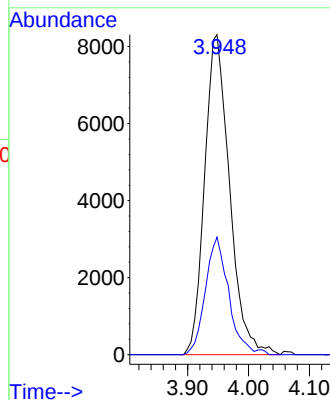
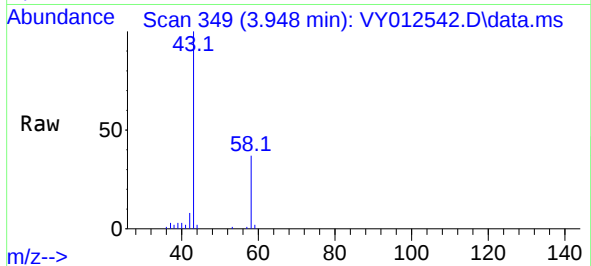




#16
Acetone
Concen: 53.952 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY012542.D
Acq: 08 Feb 2023 15:02

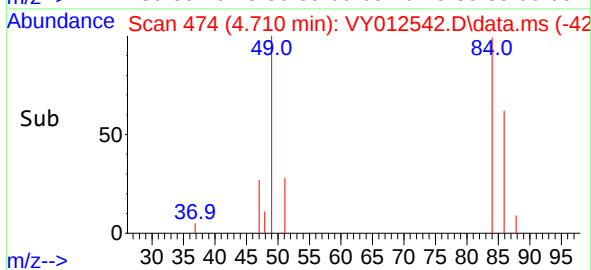
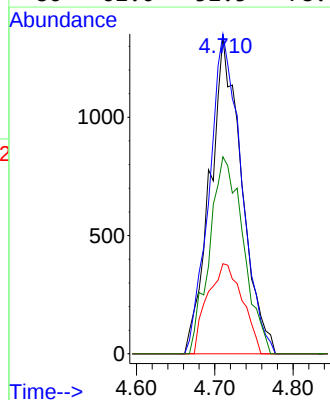
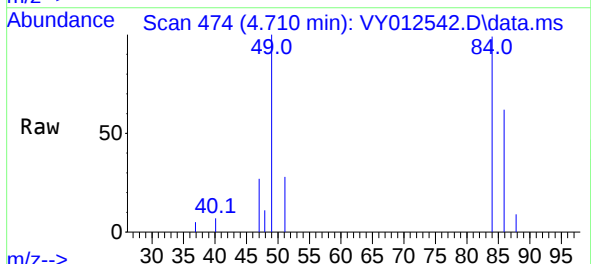
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-4

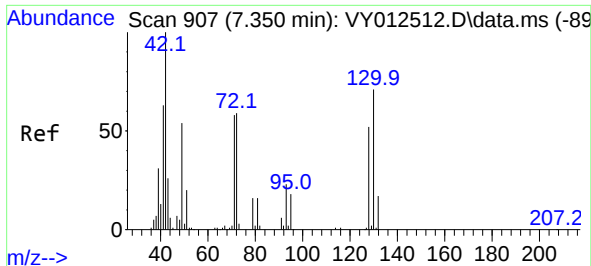
Tgt Ion: 43 Resp: 23635
Ion Ratio Lower Upper
43 100
58 36.7 27.1 40.7



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY012542.D
Acq: 08 Feb 2023 15:02

Tgt Ion: 84 Resp: 3775
Ion Ratio Lower Upper
84 100
49 100.6 79.8 119.6
51 28.3 23.4 35.2
86 62.0 52.5 78.7





#29

Tetrahydrofuran

Concen: 6.078 ug/l

RT: 7.356 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY012542.D

Acq: 08 Feb 2023 15:02

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-4

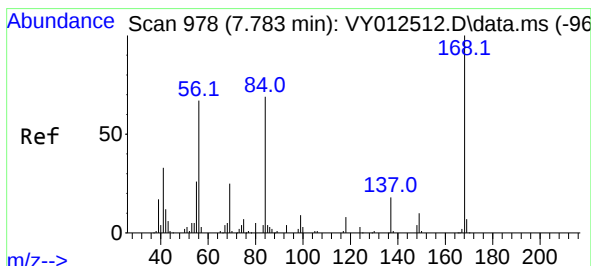
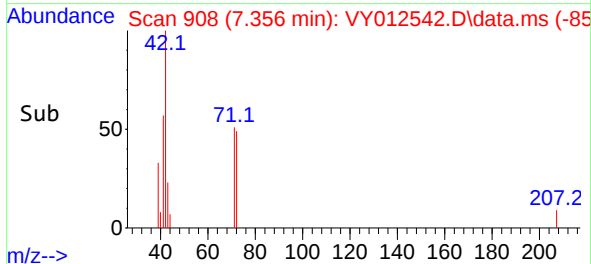
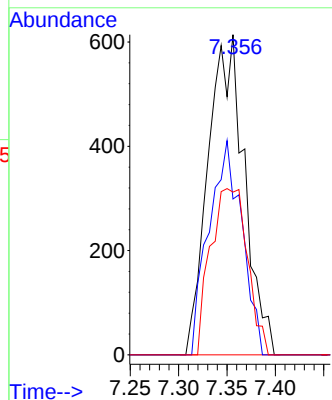
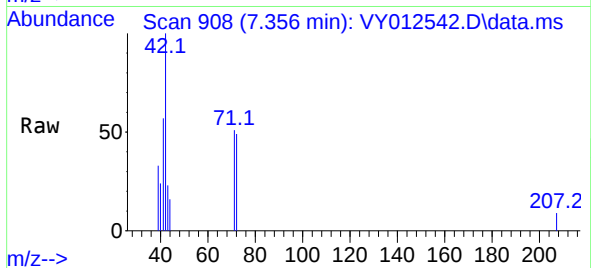
Tgt Ion: 42 Resp: 1597

Ion Ratio Lower Upper

42 100

72 61.0 47.0 70.6

71 53.0 44.6 66.8



#31

Cyclohexane

Concen: 1.128 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012542.D

Acq: 08 Feb 2023 15:02

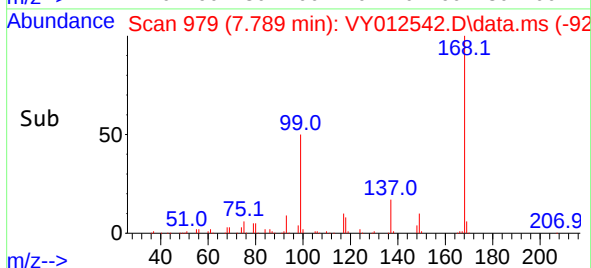
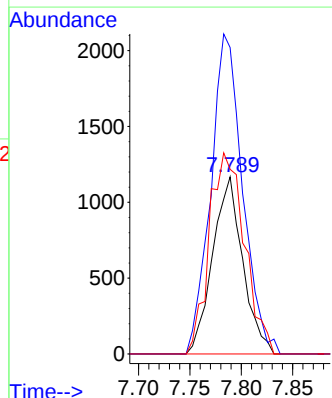
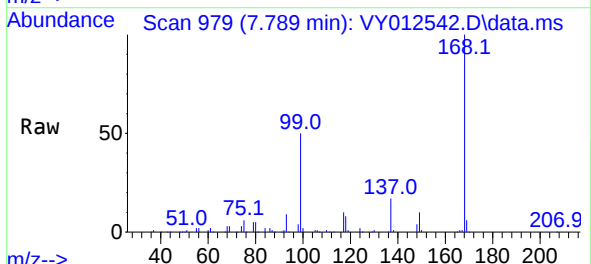
Tgt Ion: 56 Resp: 2374

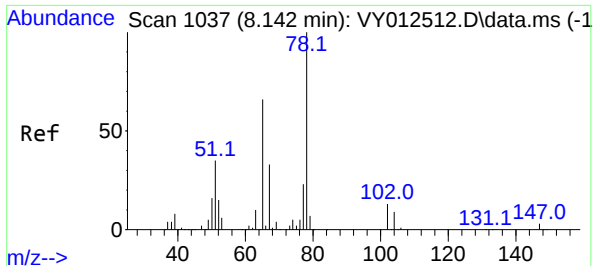
Ion Ratio Lower Upper

56 100

69 172.9 29.5 44.3#

84 104.3 81.9 122.9





#33

1,2-Dichloroethane-d4

Concen: 47.060 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY012542.D

Acq: 08 Feb 2023 15:02

Instrument :

MSVOA_Y

ClientSampleId :

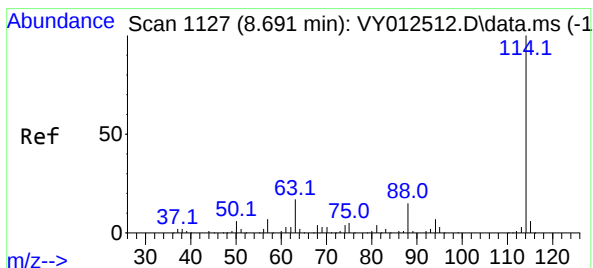
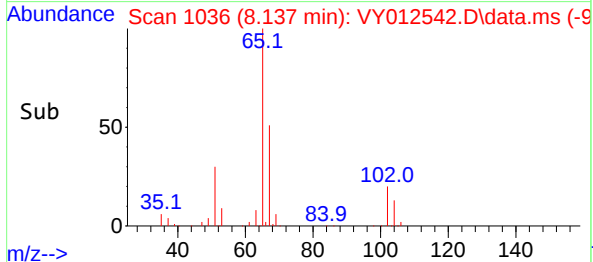
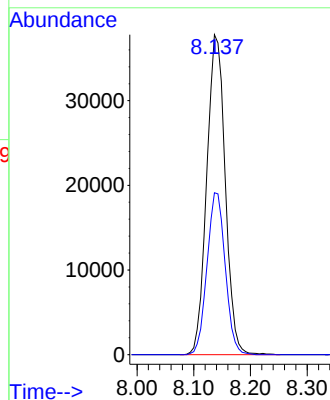
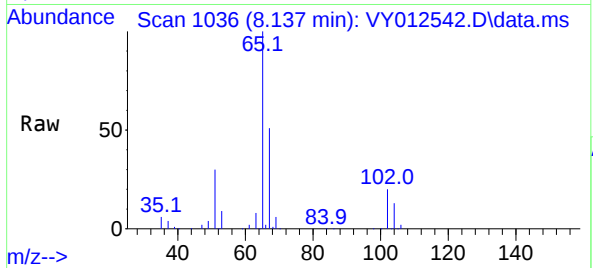
TOT-VOC-GRAB-4

Tgt Ion: 65 Resp: 85655

Ion Ratio Lower Upper

65 100

67 49.7 0.0 98.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012542.D

Acq: 08 Feb 2023 15:02

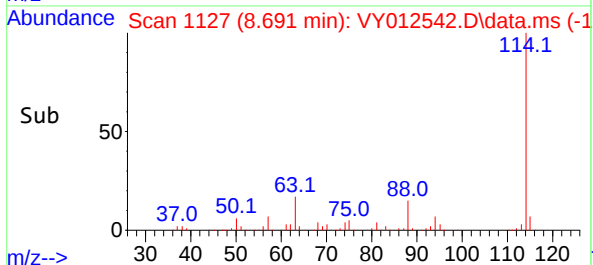
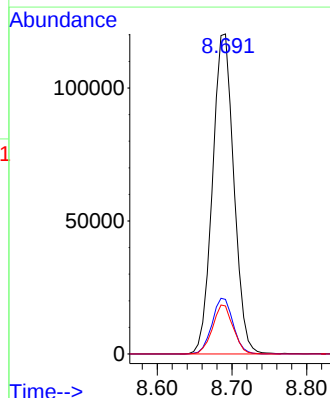
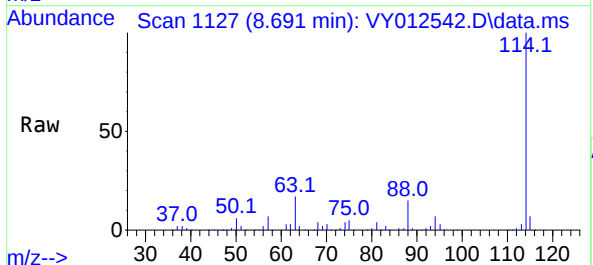
Tgt Ion: 114 Resp: 238539

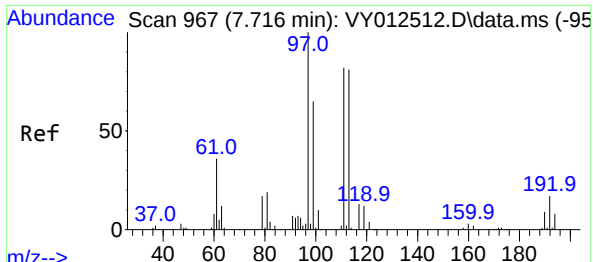
Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.6

88 15.0 0.0 29.8



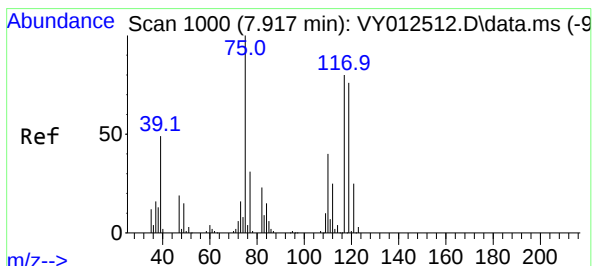
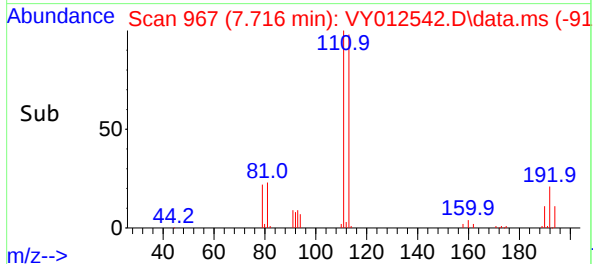
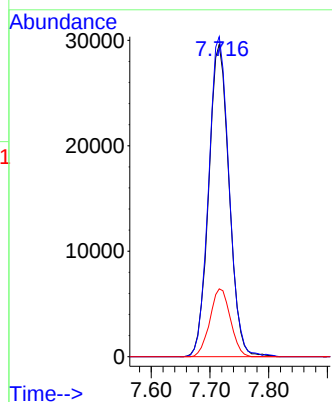
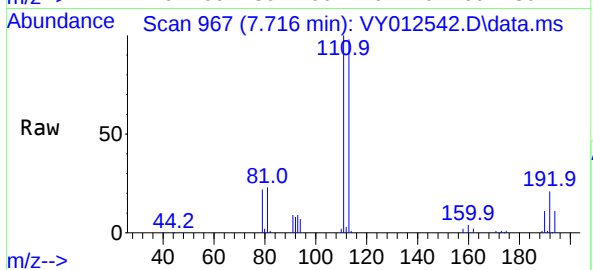


#35
Dibromofluoromethane
Concen: 41.044 ug/l
RT: 7.716 min Scan# 901
Delta R.T. 0.000 min
Lab File: VY012542.D
Acq: 08 Feb 2023 15:02

Instrument :
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ClientSampleId :
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Tgt Ion:113 Resp: 71301

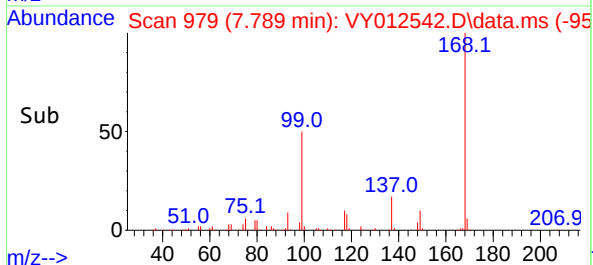
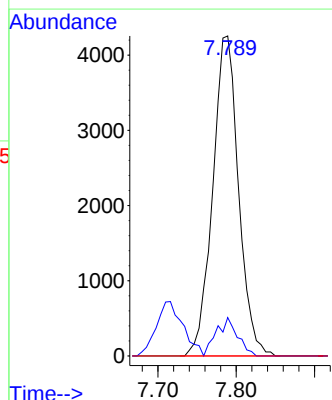
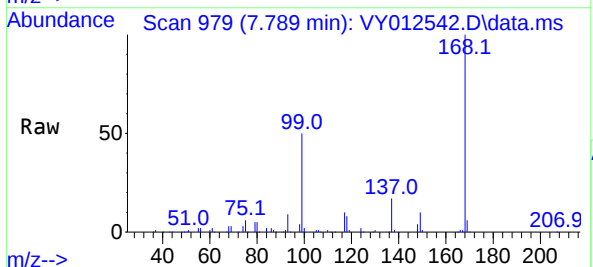
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.9	122.9
192	21.8	17.5	26.3

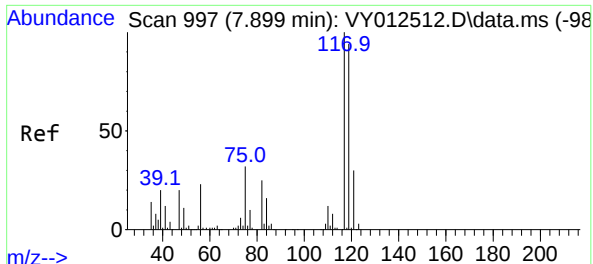


#36
1,1-Dichloropropene
Concen: 4.151 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012542.D
Acq: 08 Feb 2023 15:02

Tgt Ion: 75 Resp: 9760

Ion	Ratio	Lower	Upper
75	100		
110	9.9	19.5	58.5#
77	0.0	24.9	37.3#

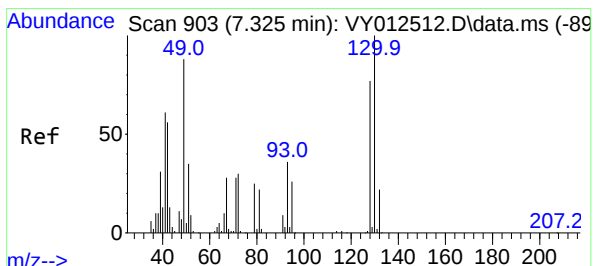
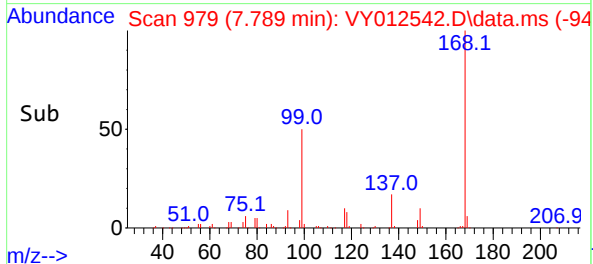
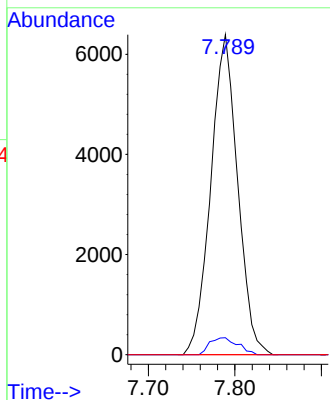
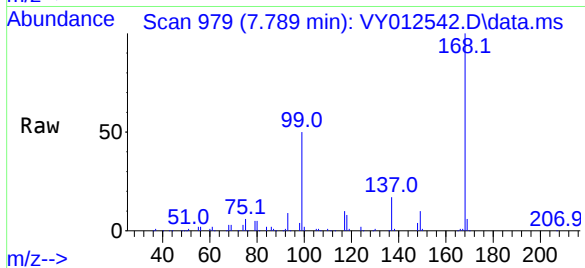




#38
Carbon Tetrachloride
Concen: 4.357 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012542.D
Acq: 08 Feb 2023 15:02

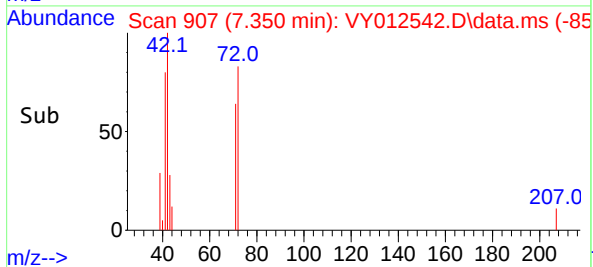
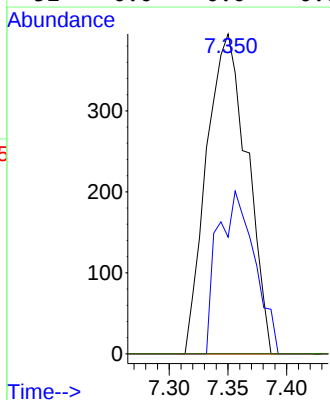
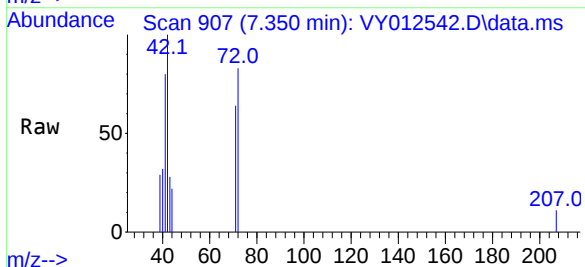
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-4

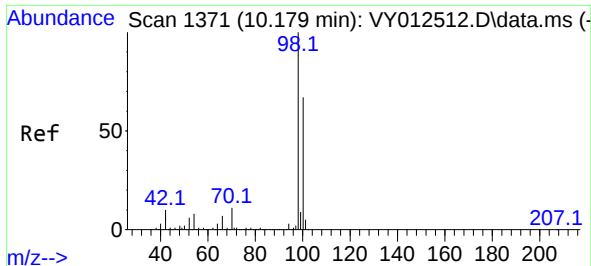
Tgt Ion:117 Resp: 13752
Ion Ratio Lower Upper
117 100
119 5.3 75.1 112.7#
121 0.0 24.3 36.5#



#41
Methacrylonitrile
Concen: 1.636 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.025 min
Lab File: VY012542.D
Acq: 08 Feb 2023 15:02

Tgt Ion: 41 Resp: 951
Ion Ratio Lower Upper
41 100
39 46.0 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

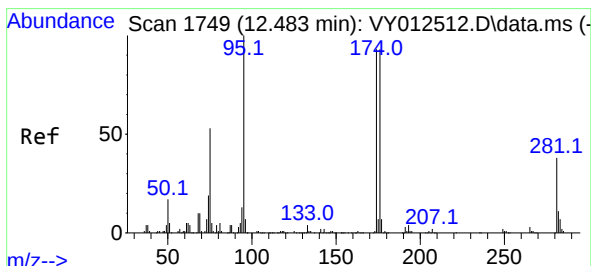
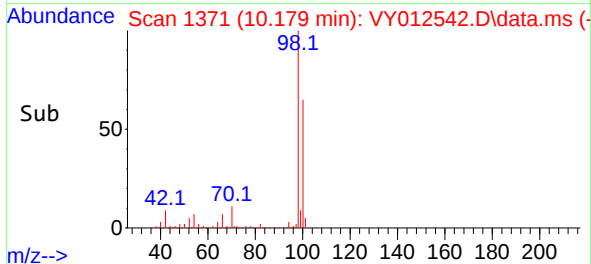
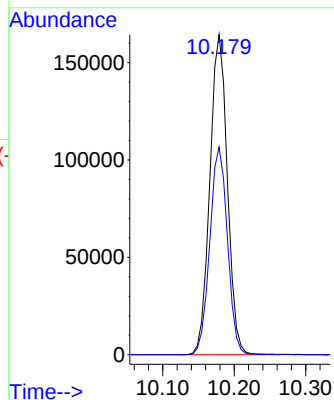
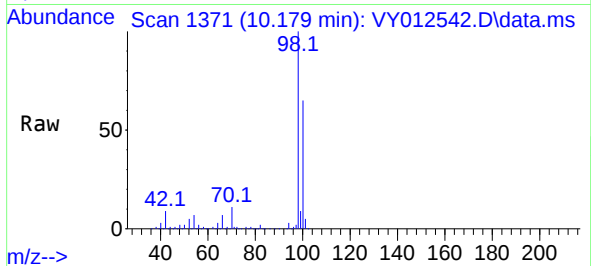




#50
Toluene-d8
Concen: 38.645 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012542.D
Acq: 08 Feb 2023 15:02

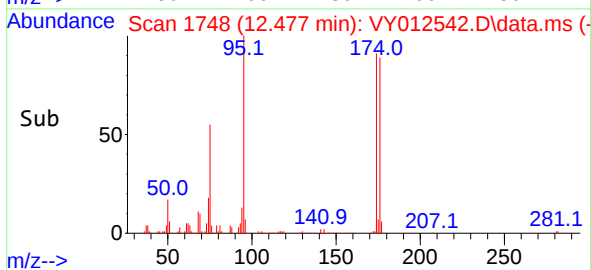
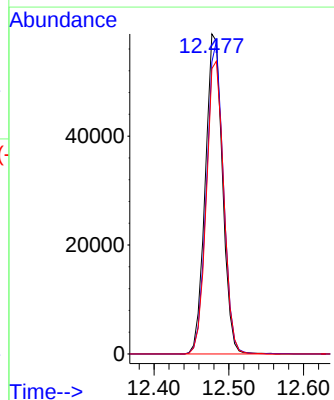
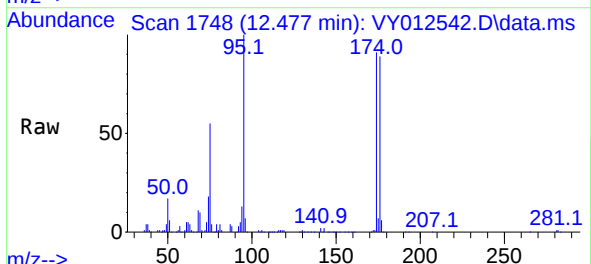
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-4

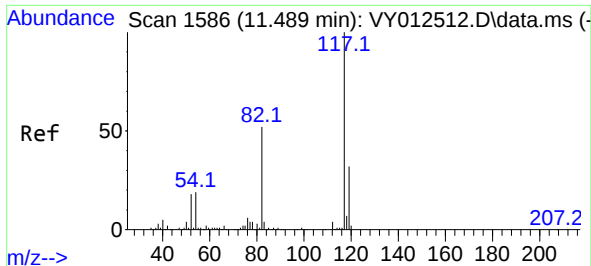
Tgt Ion: 98 Resp: 279429
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 37.143 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012542.D
Acq: 08 Feb 2023 15:02

Tgt Ion: 95 Resp: 93678
Ion Ratio Lower Upper
95 100
174 95.7 0.0 188.0
176 92.3 0.0 183.6

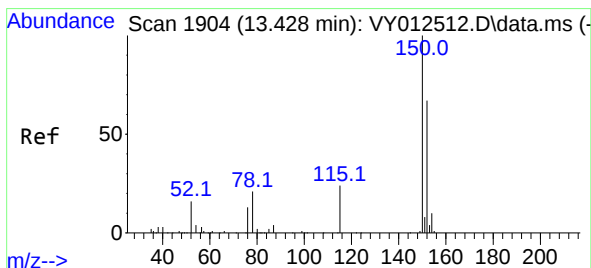
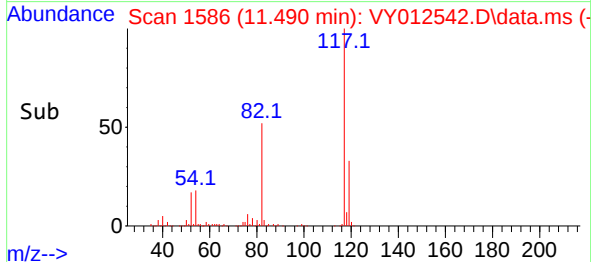
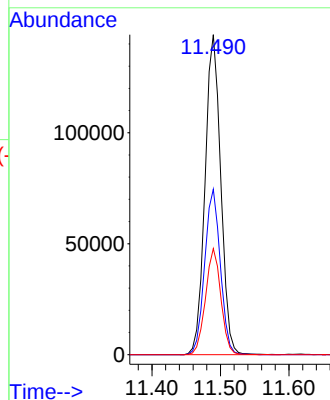
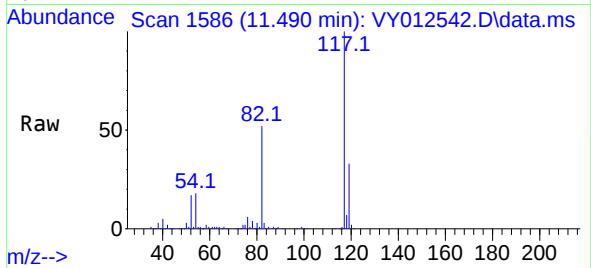




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012542.D
Acq: 08 Feb 2023 15:02

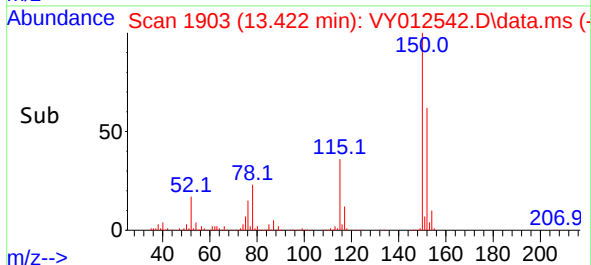
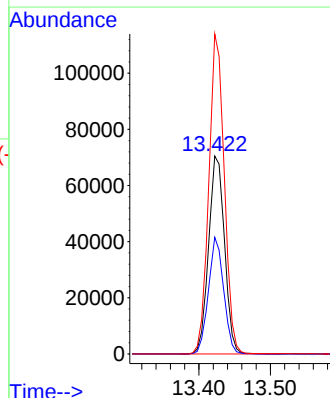
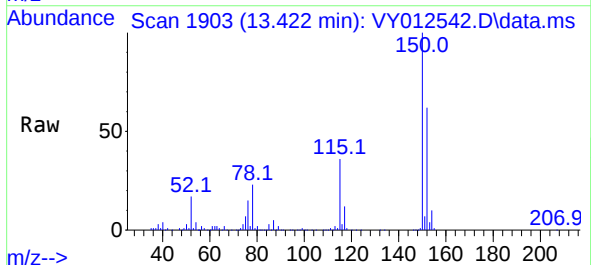
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-4

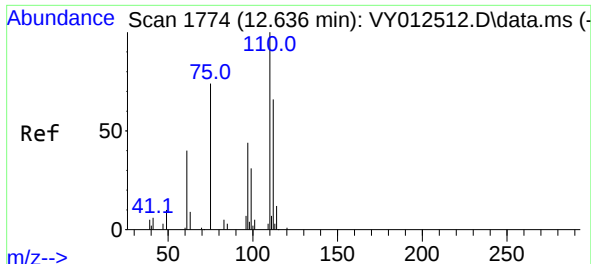
Tgt Ion:117 Resp: 230597
Ion Ratio Lower Upper
117 100
82 51.7 41.7 62.5
119 33.2 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY012542.D
Acq: 08 Feb 2023 15:02

Tgt Ion:152 Resp: 109291
Ion Ratio Lower Upper
152 100
115 56.3 28.1 84.3
150 156.9 0.0 351.0

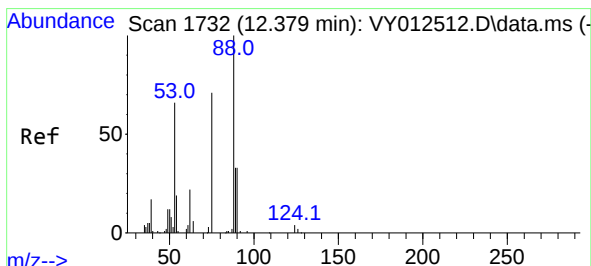
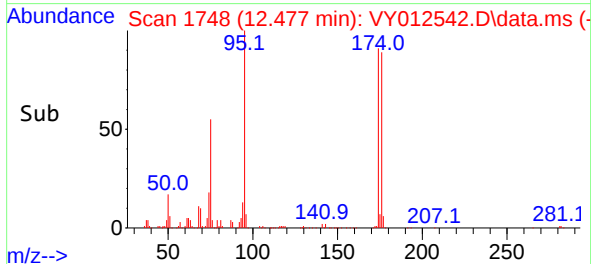
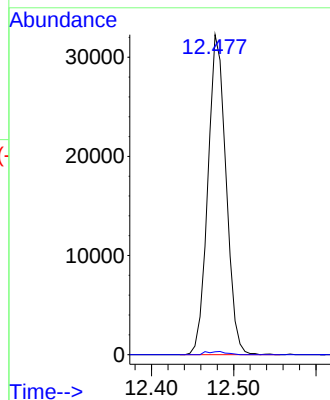
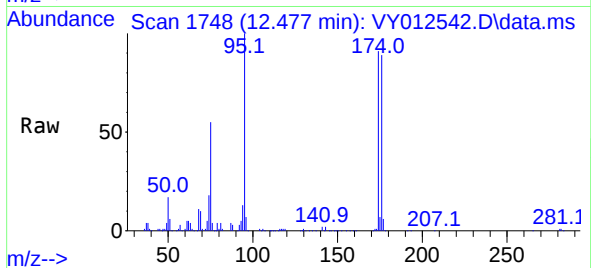




#76
1,2,3-Trichloropropane
Concen: 40.565 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY012542.D
Acq: 08 Feb 2023 15:02

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

Tgt Ion: 75 Resp: 49531
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.476 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY012542.D
Acq: 08 Feb 2023 15:02

Tgt Ion: 75 Resp: 49531
Ion Ratio Lower Upper
75 100
53 0.0 73.1 109.7#
89 0.0 39.9 59.9#

