

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020823\
 Data File : VY012540.D
 Acq On : 08 Feb 2023 14:15
 Operator : KP/MD
 Sample : 01464-07
 Misc : 3.88g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-60

Quant Time: Feb 09 07:14:13 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)

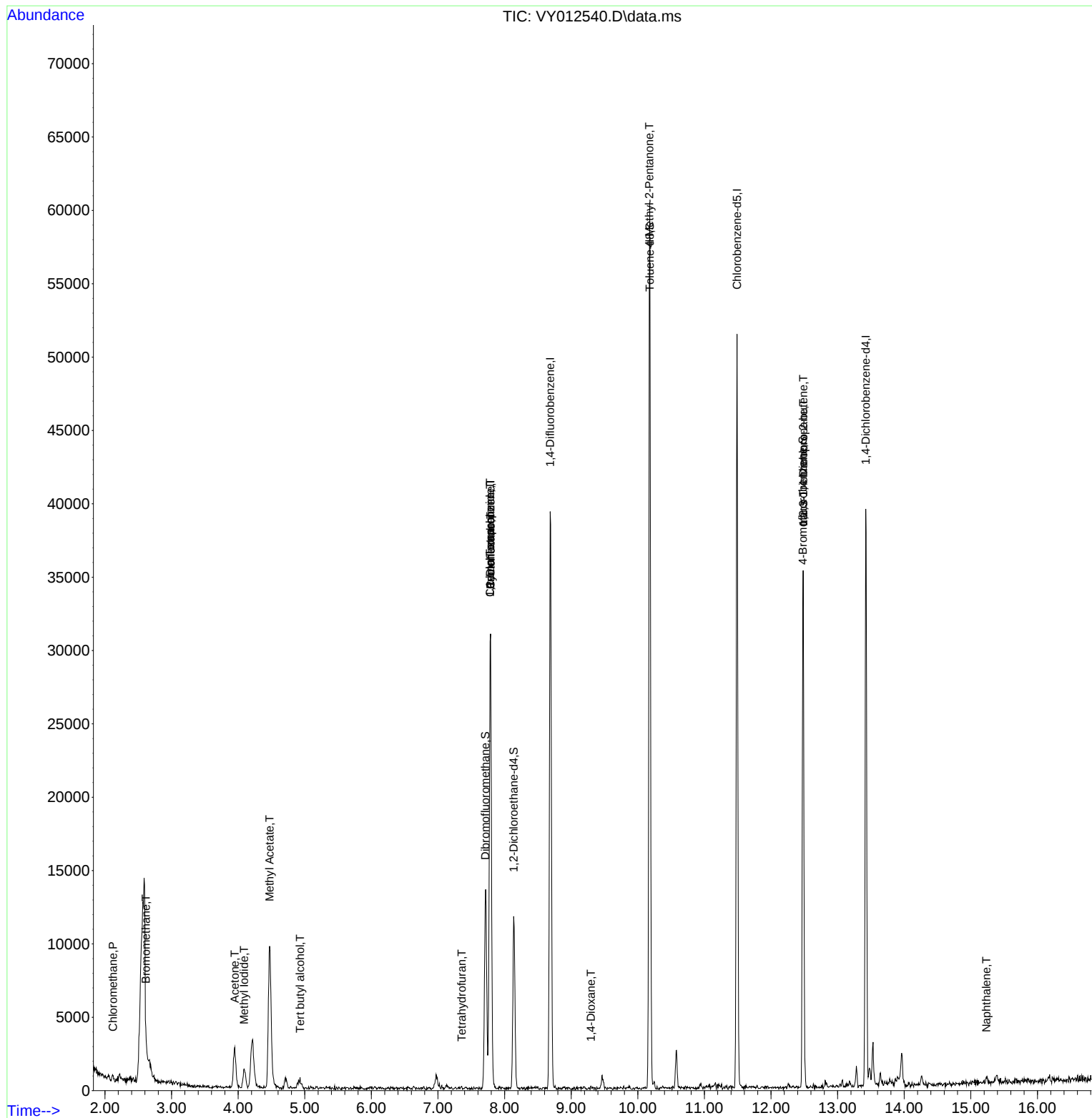
Internal Standards						
1) Pentafluorobenzene	7.789	168	25619	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	36077	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	29055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	11396	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	9847	30.226	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	60.460%		
35) Dibromofluoromethane	7.710	113	9425	35.873	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	71.740%		
50) Toluene-d8	10.179	98	41714	38.145	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	76.280%		
62) 4-Bromofluorobenzene	12.477	95	9937	26.051	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	52.100%		
Target Compounds					Qvalue	
3) Chloromethane	2.119	50	359	1.799	ug/l #	86
5) Bromomethane	2.613	94	803	1.632	ug/l #	80
10) Methyl Iodide	4.088	142	2001	5.980	ug/l	96
11) Tert butyl alcohol	4.930	59	639	11.677	ug/l #	75
16) Acetone	3.948	43	4811	61.357	ug/l	90
18) Methyl Acetate	4.473	43	17914	95.053	ug/l	98
20) Methylene Chloride	4.710	84	342	Below Cal	#	92
29) Tetrahydrofuran	7.356	42	100	2.126	ug/l #	53
31) Cyclohexane	7.789	56	434	1.152	ug/l #	55
36) 1,1-Dichloropropene	7.783	75	1533	4.311	ug/l #	48
38) Carbon Tetrachloride	7.783	117	2405	5.039	ug/l #	20
49) 1,4-Dioxane	9.295	88	93	44.677	ug/l #	62
51) 4-Methyl-2-Pentanone	10.173	43	170	1.059	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	5132	40.308	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	5132	90.896	ug/l #	12
95) Naphthalene	15.233	128	543	1.141	ug/l #	69

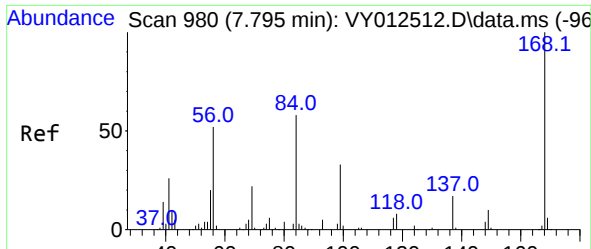
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TOT-VOC-GRAB-60

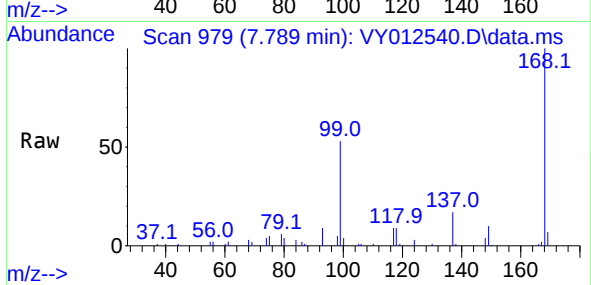
Quant Time: Feb 09 07:14:13 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 08 01:09:03 2023
Response via : Initial Calibration



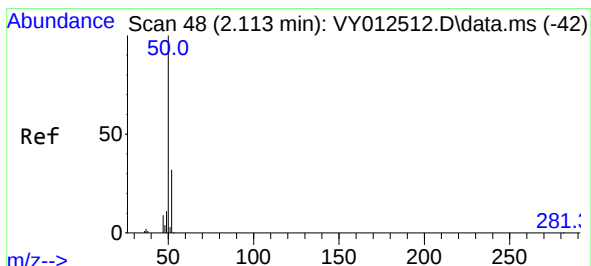
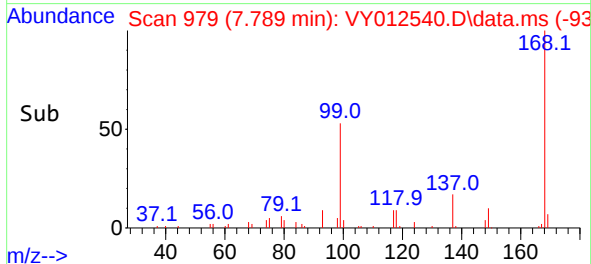
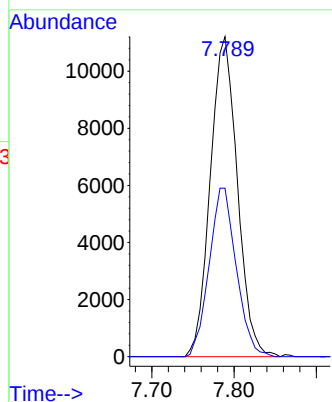


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012540.D
Acq: 08 Feb 2023 14:15

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-60

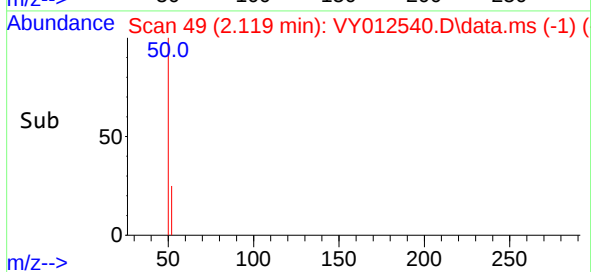
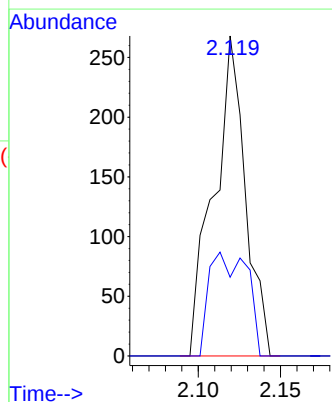
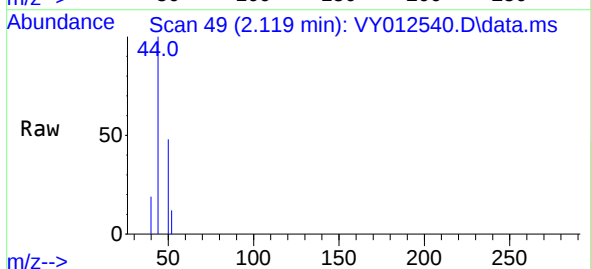


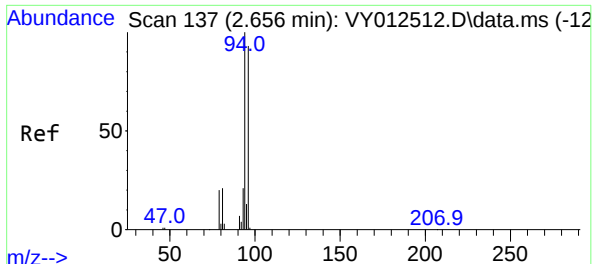
Tgt Ion:168 Resp: 25619
Ion Ratio Lower Upper
168 100
99 52.7 40.8 61.2



#3
Chloromethane
Concen: 1.799 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY012540.D
Acq: 08 Feb 2023 14:15

Tgt Ion: 50 Resp: 359
Ion Ratio Lower Upper
50 100
52 24.6 25.8 38.6#

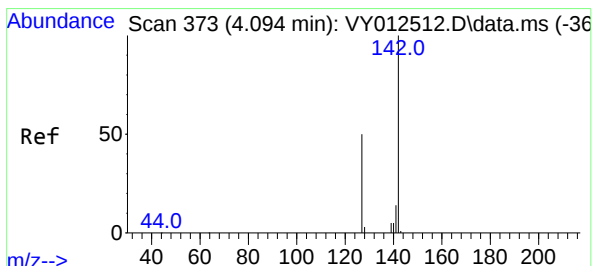
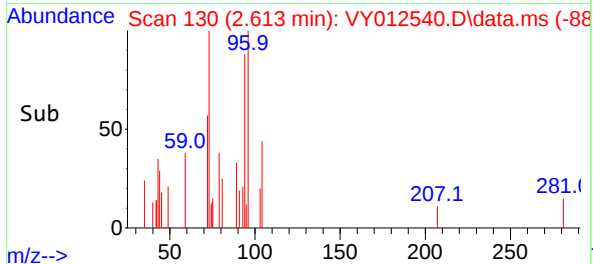
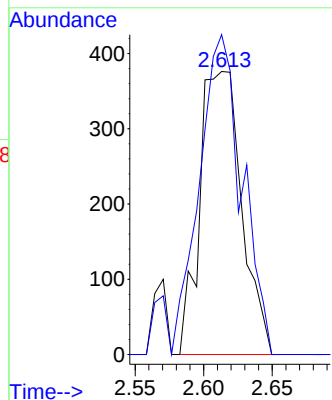
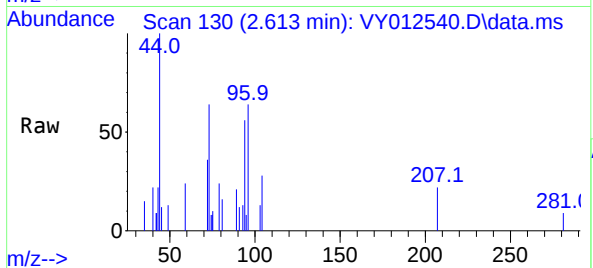




#5
Bromomethane
Concen: 1.632 ug/l
RT: 2.613 min Scan# 11
Delta R.T. -0.043 min
Lab File: VY012540.D
Acq: 08 Feb 2023 14:15

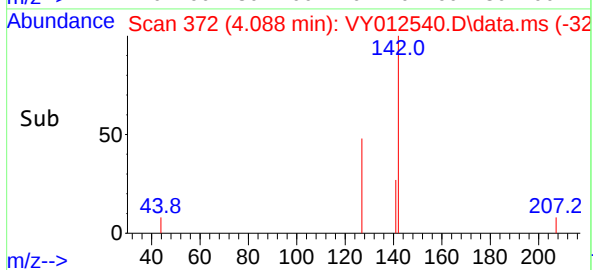
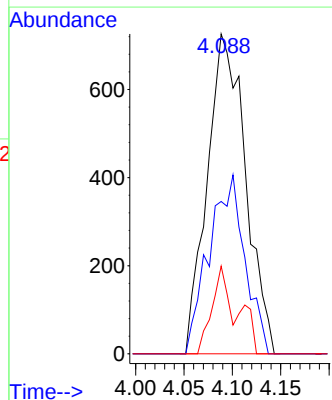
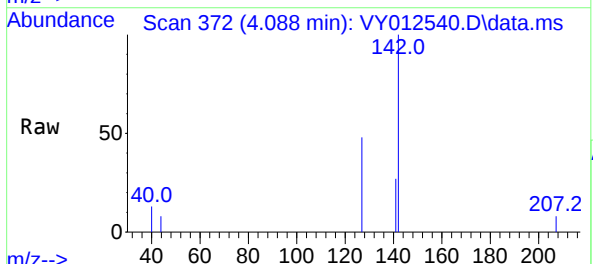
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-60

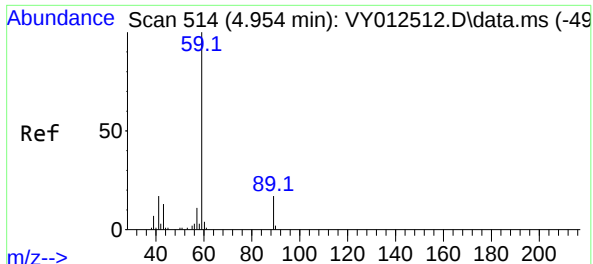
Tgt Ion: 94 Resp: 803
Ion Ratio Lower Upper
94 100
96 113.0 74.7 112.1#



#10
Methyl Iodide
Concen: 5.980 ug/l
RT: 4.088 min Scan# 372
Delta R.T. -0.006 min
Lab File: VY012540.D
Acq: 08 Feb 2023 14:15

Tgt Ion:142 Resp: 2001
Ion Ratio Lower Upper
142 100
127 52.2 39.8 59.6
141 12.1 11.6 17.4

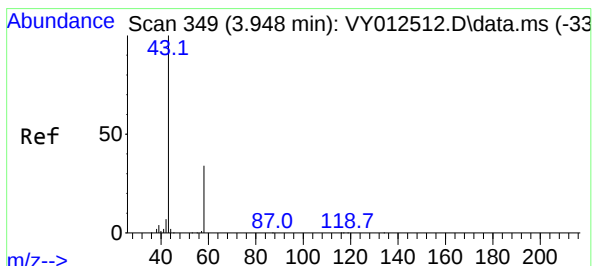
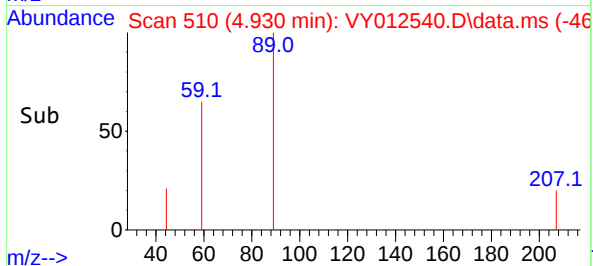
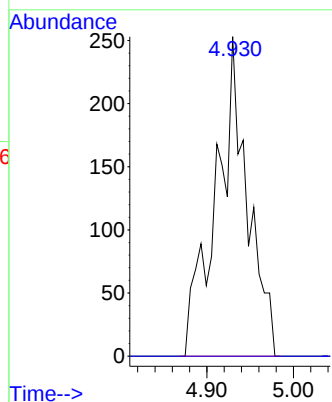
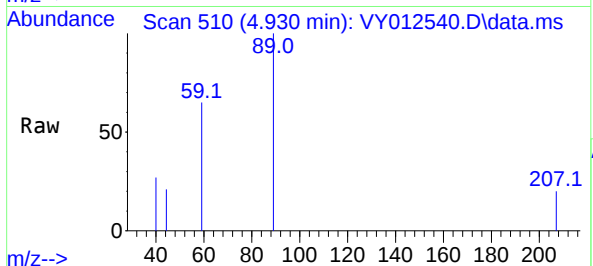




#11
Tert butyl alcohol
Concen: 11.677 ug/l
RT: 4.930 min Scan# 514
Delta R.T. -0.024 min
Lab File: VY012540.D
Acq: 08 Feb 2023 14:15

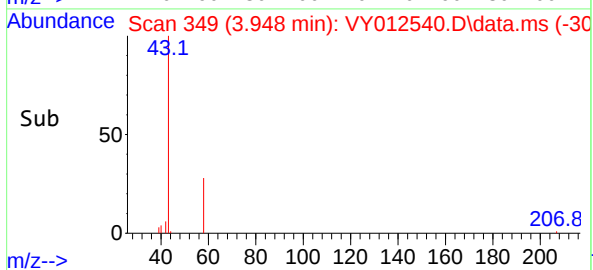
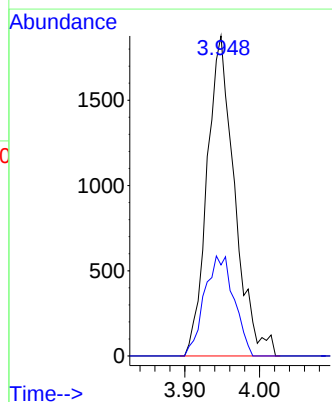
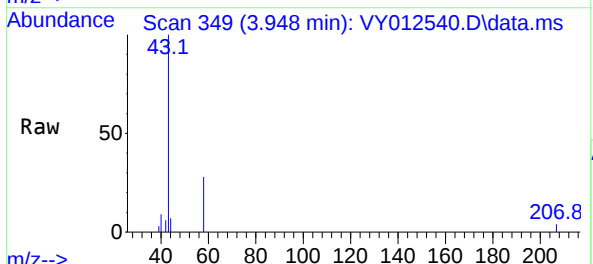
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-60

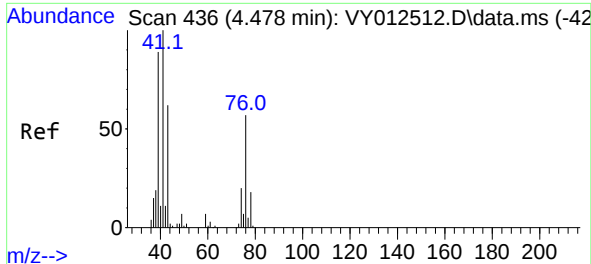
Tgt Ion: 59 Resp: 639
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#



#16
Acetone
Concen: 61.357 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY012540.D
Acq: 08 Feb 2023 14:15

Tgt Ion: 43 Resp: 4811
Ion Ratio Lower Upper
43 100
58 28.4 27.1 40.7





#18

Methyl Acetate

Concen: 95.053 ug/l

RT: 4.473 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY012540.D

Acq: 08 Feb 2023 14:15

Instrument :

MSVOA_Y

ClientSampleId :

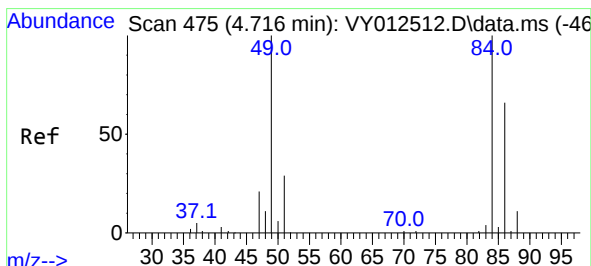
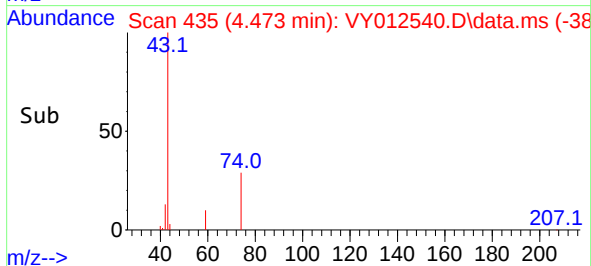
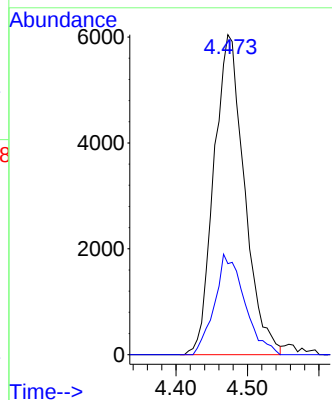
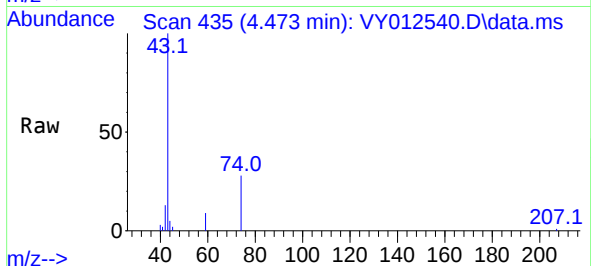
TOT-VOC-GRAB-60

Tgt Ion: 43 Resp: 17914

Ion Ratio Lower Upper

43 100

74 30.9 25.6 38.4



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY012540.D

Acq: 08 Feb 2023 14:15

Tgt Ion: 84 Resp: 342

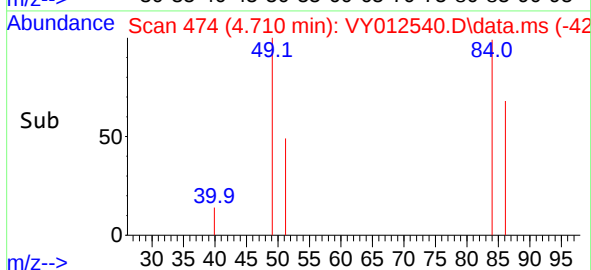
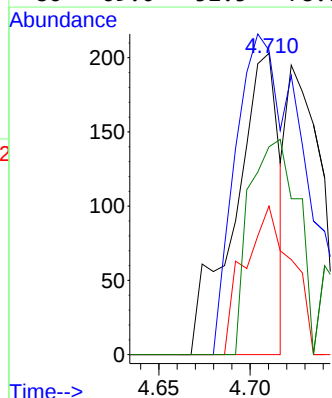
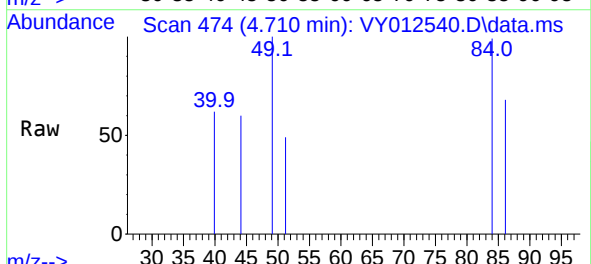
Ion Ratio Lower Upper

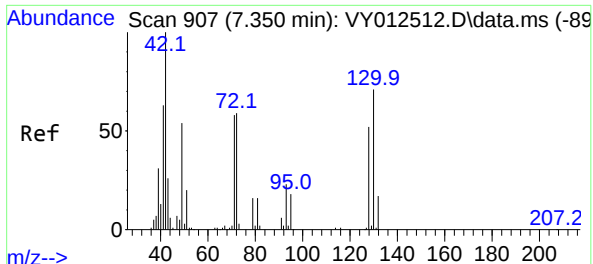
84 100

49 101.0 79.8 119.6

51 49.3 23.4 35.2#

86 69.0 52.5 78.7





#29

Tetrahydrofuran

Concen: 2.126 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY012540.D

Acq: 08 Feb 2023 14:15

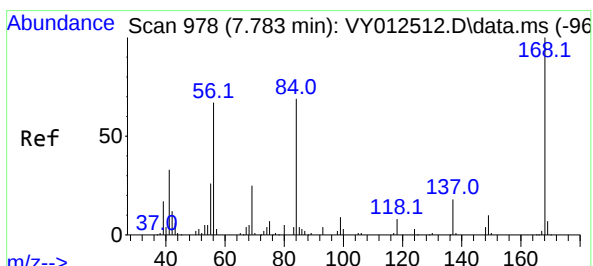
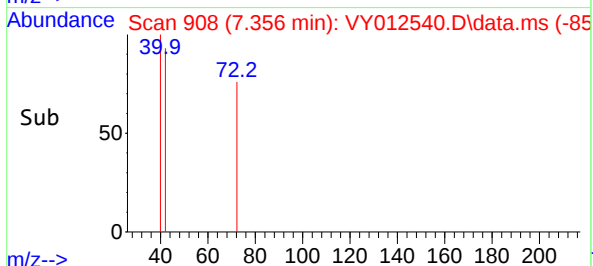
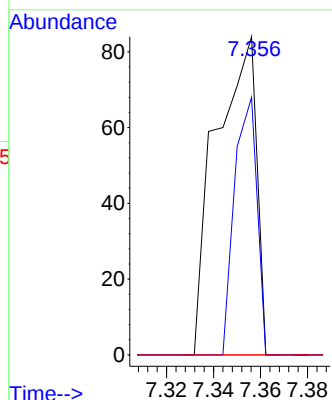
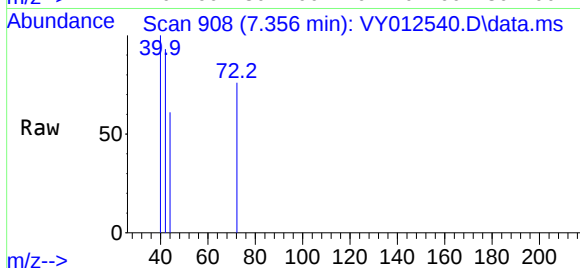
Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-60

Tgt Ion:	42	Resp:	100
Ion	Ratio	Lower	Upper
42	100		
72	45.0	47.0	70.6#
71	0.0	44.6	66.8#



#31

Cyclohexane

Concen: 1.152 ug/l

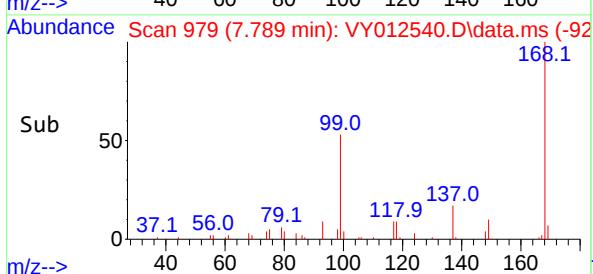
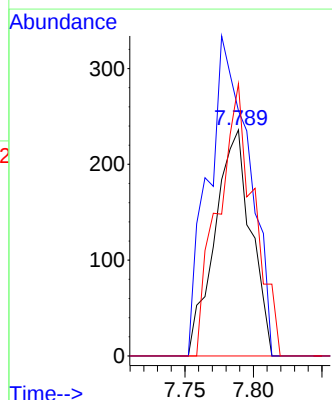
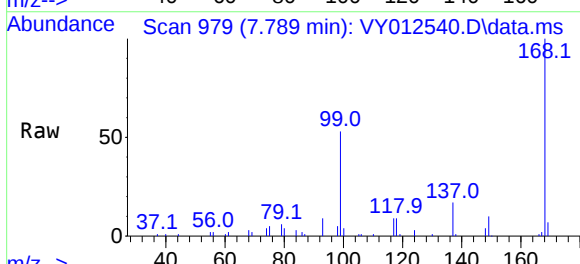
RT: 7.789 min Scan# 979

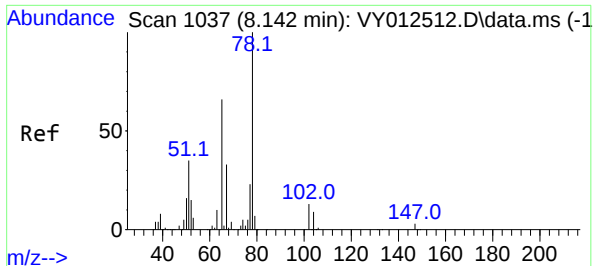
Delta R.T. 0.006 min

Lab File: VY012540.D

Acq: 08 Feb 2023 14:15

Tgt Ion:	56	Resp:	434
Ion	Ratio	Lower	Upper
56	100		
69	108.5	29.5	44.3#
84	120.3	81.9	122.9





#33

1,2-Dichloroethane-d4

Concen: 30.226 ug/l

RT: 8.137 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VY012540.D

Acq: 08 Feb 2023 14:15

Instrument :

MSVOA_Y

ClientSampleId :

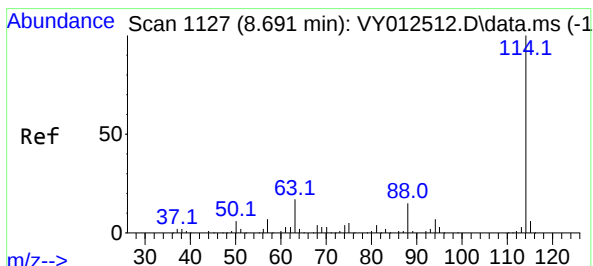
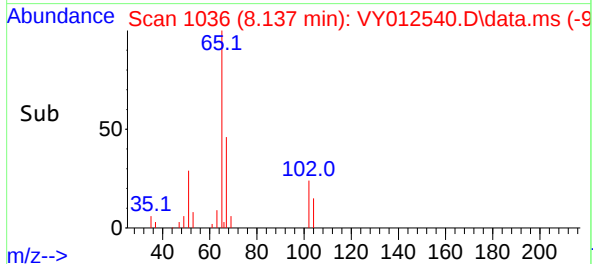
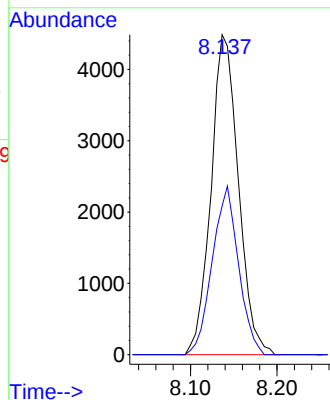
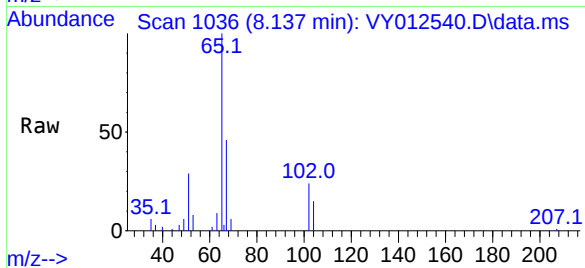
TOT-VOC-GRAB-60

Tgt Ion: 65 Resp: 9847

Ion Ratio Lower Upper

65 100

67 50.5 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: VY012540.D

Acq: 08 Feb 2023 14:15

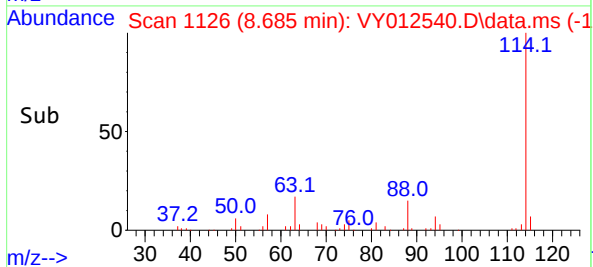
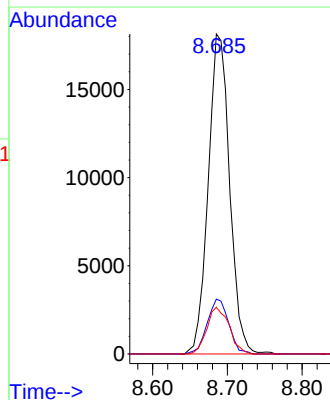
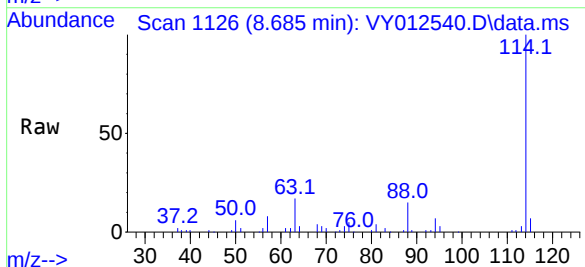
Tgt Ion: 114 Resp: 36077

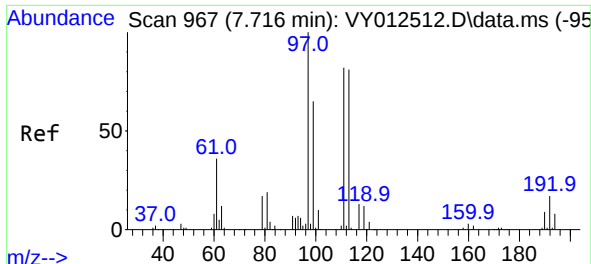
Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.6

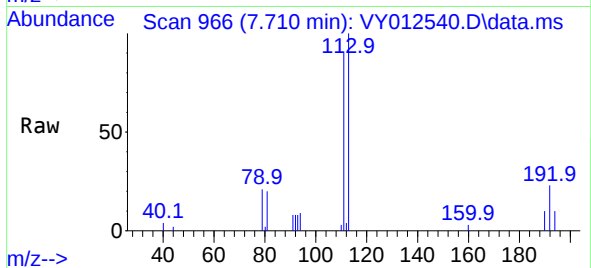
88 14.6 0.0 29.8



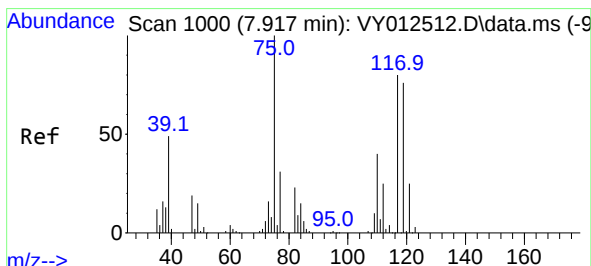
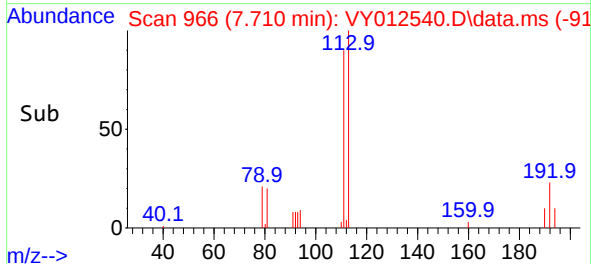
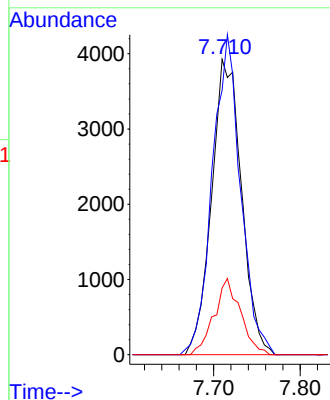


#35
Dibromofluoromethane
Concen: 35.873 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY012540.D
Acq: 08 Feb 2023 14:15

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-60

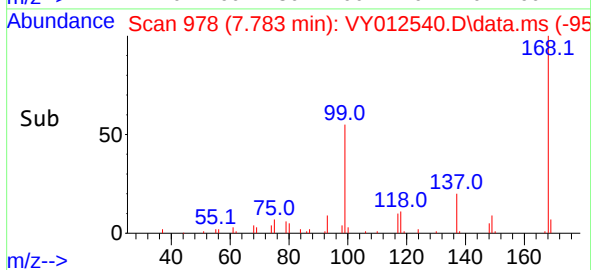
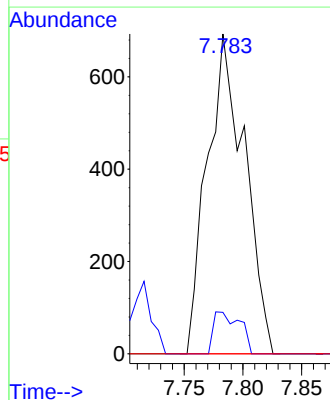
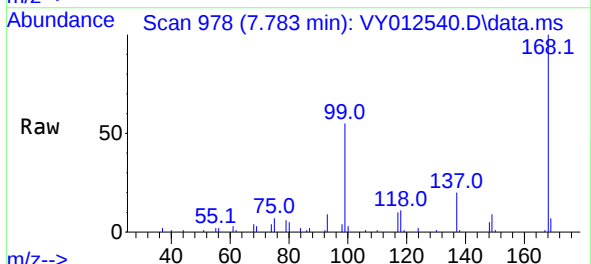


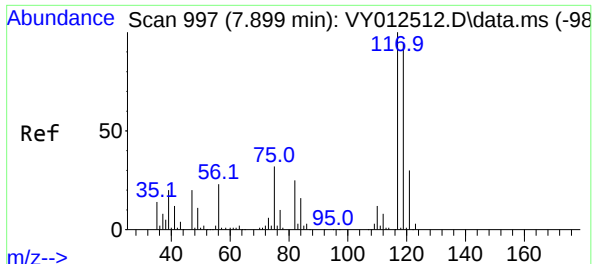
Tgt Ion:113 Resp: 9425
Ion Ratio Lower Upper
113 100
111 101.9 81.9 122.9
192 22.7 17.5 26.3



#36
1,1-Dichloropropene
Concen: 4.311 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012540.D
Acq: 08 Feb 2023 14:15

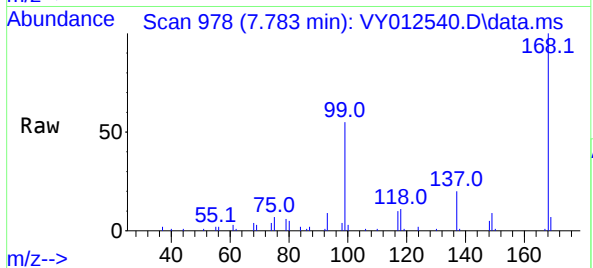
Tgt Ion: 75 Resp: 1533
Ion Ratio Lower Upper
75 100
110 9.3 19.5 58.5#
77 0.0 24.9 37.3#



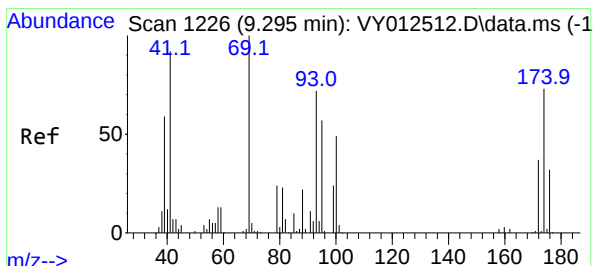
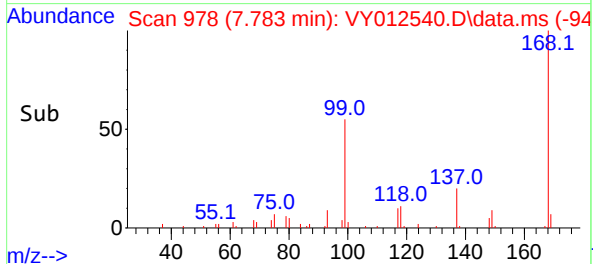
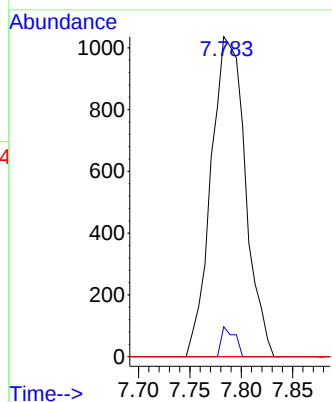


#38
Carbon Tetrachloride
Concen: 5.039 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY012540.D
Acq: 08 Feb 2023 14:15

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-60

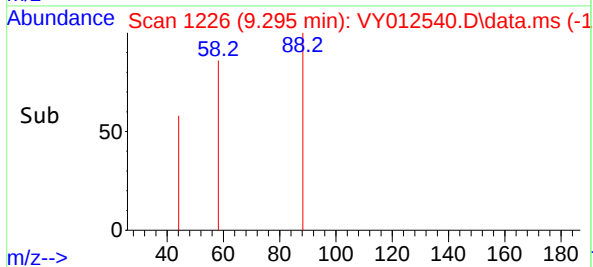
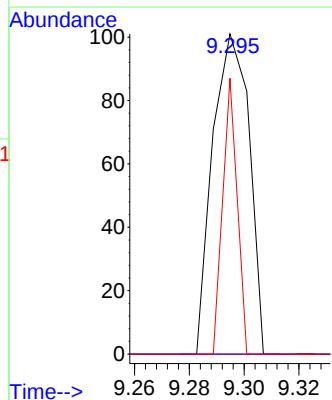
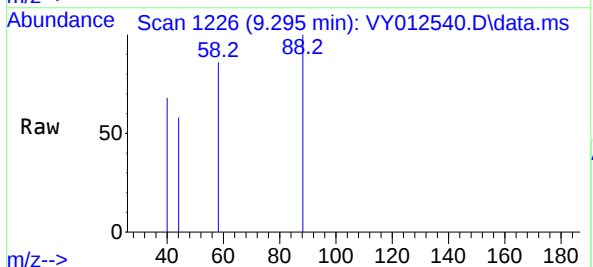


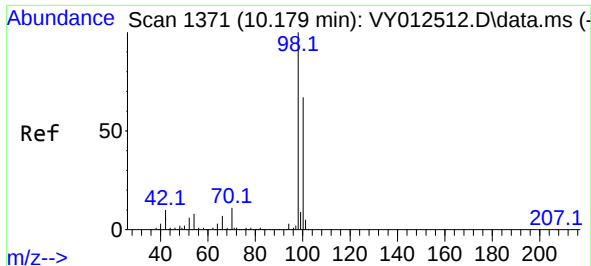
Tgt Ion:117 Resp: 2405
Ion Ratio Lower Upper
117 100
119 9.4 75.1 112.7#
121 0.0 24.3 36.5#



#49
1,4-Dioxane
Concen: 44.677 ug/l
RT: 9.295 min Scan# 1226
Delta R.T. 0.000 min
Lab File: VY012540.D
Acq: 08 Feb 2023 14:15

Tgt Ion: 88 Resp: 93
Ion Ratio Lower Upper
88 100
43 0.0 22.6 33.8#
58 34.4 45.4 68.0#

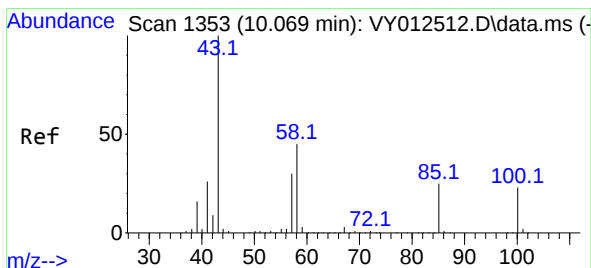
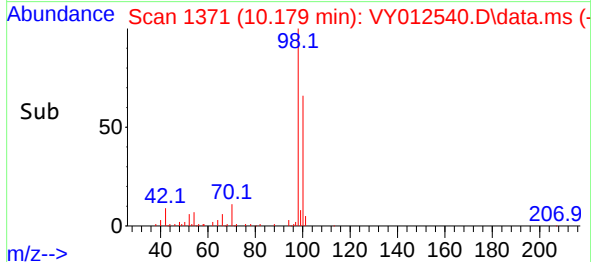
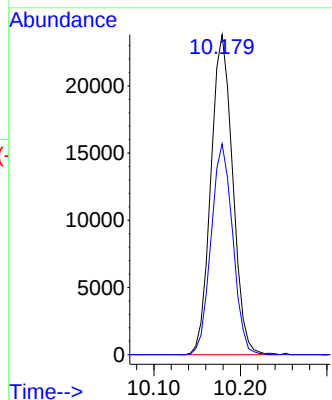
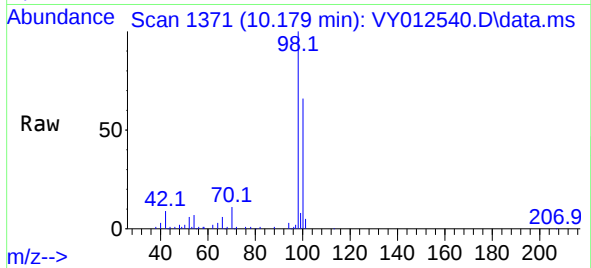




#50
Toluene-d8
Concen: 38.145 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012540.D
Acq: 08 Feb 2023 14:15

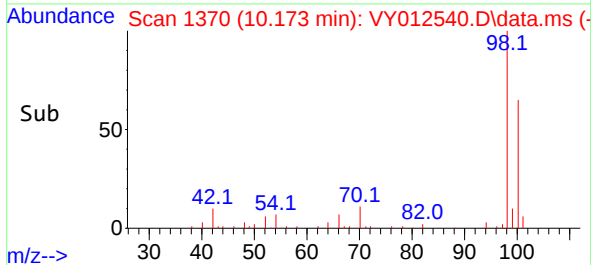
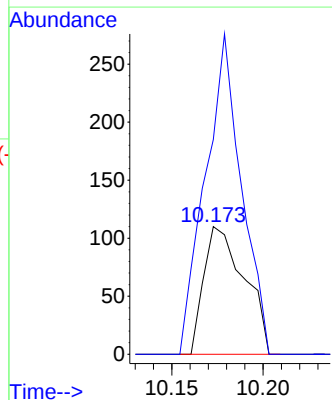
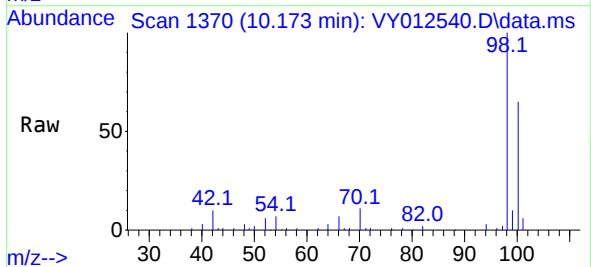
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-60

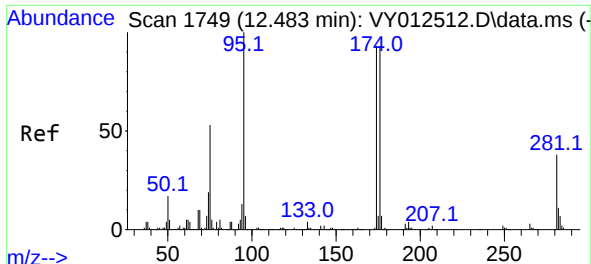
Tgt Ion: 98 Resp: 41714
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.059 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.104 min
Lab File: VY012540.D
Acq: 08 Feb 2023 14:15

Tgt Ion: 43 Resp: 170
Ion Ratio Lower Upper
43 100
58 223.5 36.2 54.2#

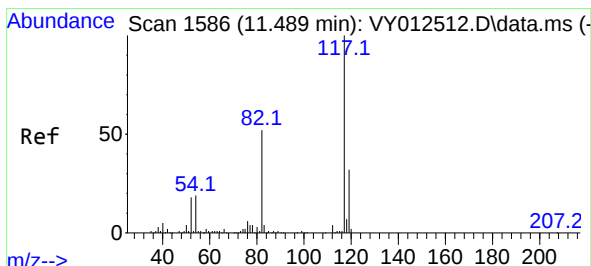
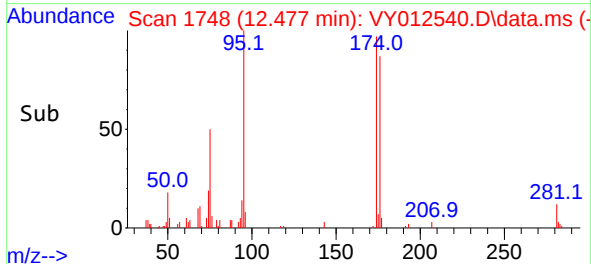
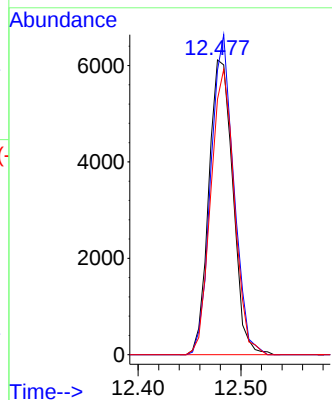
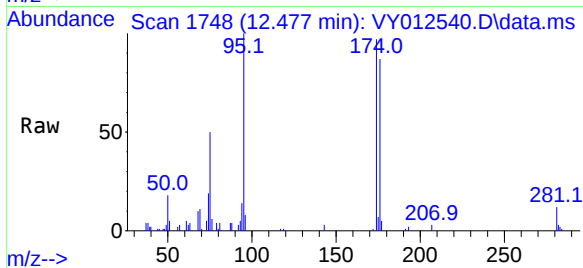




#62
4-Bromofluorobenzene
Concen: 26.051 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY012540.D
Acq: 08 Feb 2023 14:15

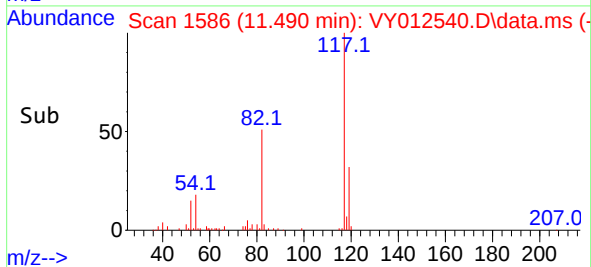
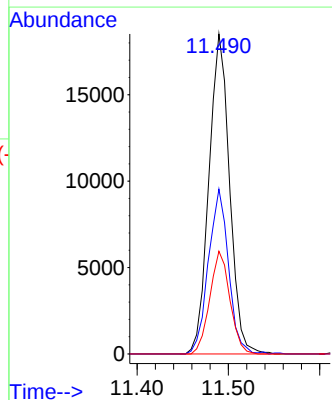
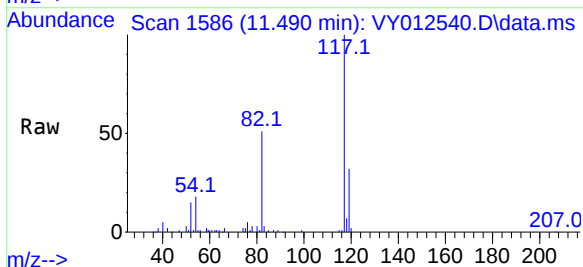
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-60

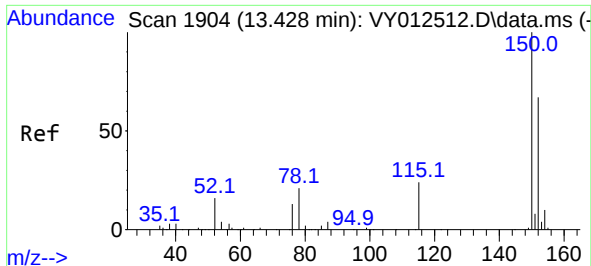
Tgt Ion:	95	Resp:	9937
Ion	Ratio	Lower	Upper
95	100		
174	103.3	0.0	188.0
176	94.7	0.0	183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012540.D
Acq: 08 Feb 2023 14:15

Tgt Ion:	117	Resp:	29055
Ion	Ratio	Lower	Upper
117	100		
82	51.5	41.7	62.5
119	32.1	25.8	38.8

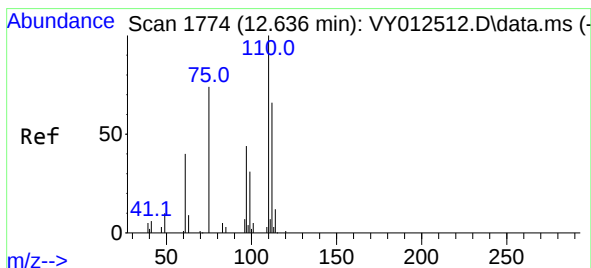
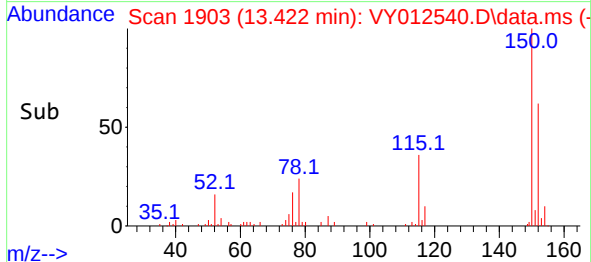
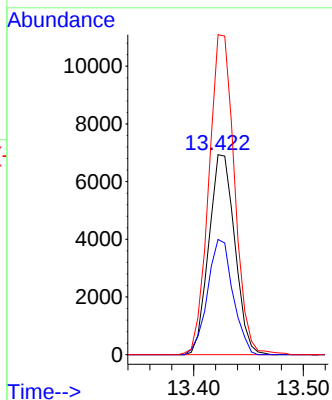
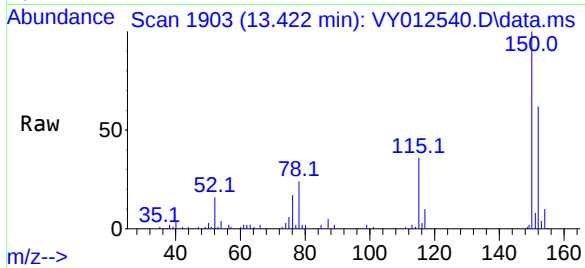




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY012540.D
Acq: 08 Feb 2023 14:15

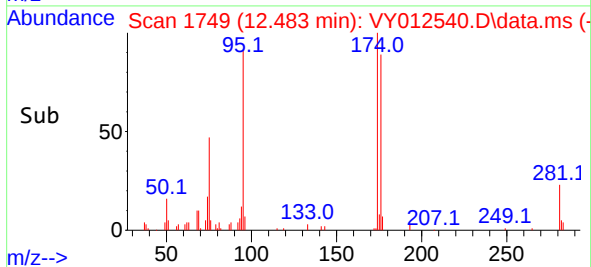
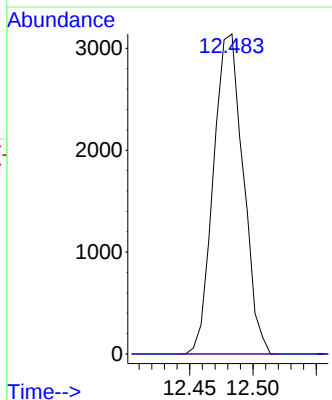
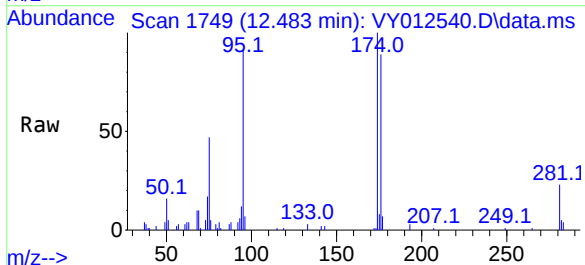
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-60

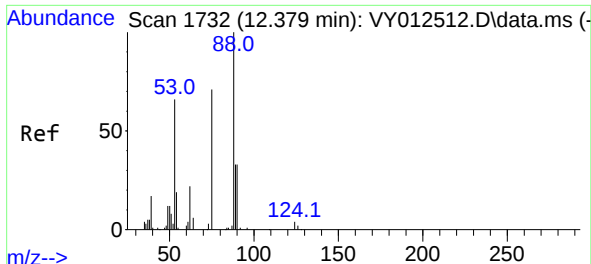
Tgt Ion:152 Resp: 11396
Ion Ratio Lower Upper
152 100
115 56.4 28.1 84.3
150 158.4 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 40.308 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY012540.D
Acq: 08 Feb 2023 14:15

Tgt Ion: 75 Resp: 5132
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

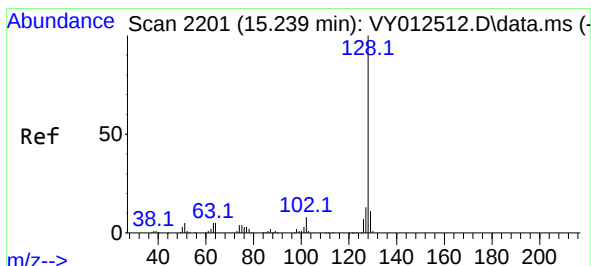
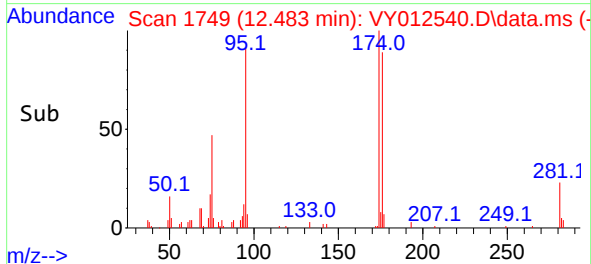
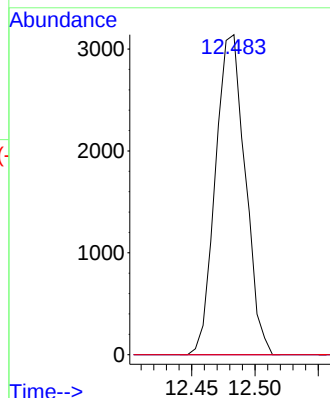
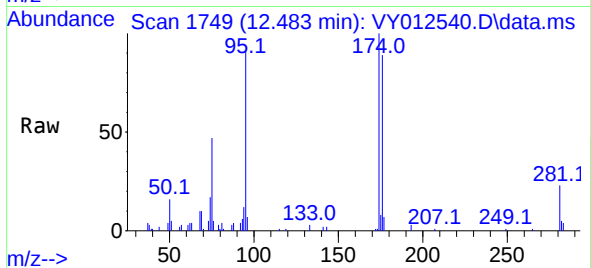




#81
trans-1,4-Dichloro-2-butene
Concen: 90.896 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY012540.D
Acq: 08 Feb 2023 14:15

Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-60

Tgt Ion: 75 Resp: 5132
Ion Ratio Lower Upper
75 100
53 0.0 73.1 109.7#
89 0.0 39.9 59.9#



#95
Naphthalene
Concen: 1.141 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY012540.D
Acq: 08 Feb 2023 14:15

Tgt Ion: 128 Resp: 543
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 12.8#

