

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052024\
 Data File : VY018332.D
 Acq On : 20 May 2024 14:03
 Operator : SY/MD
 Sample : P2518-11
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-MH-FF

Quant Time: May 21 01:24:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 01:40:14 2024
 Response via : Initial Calibration

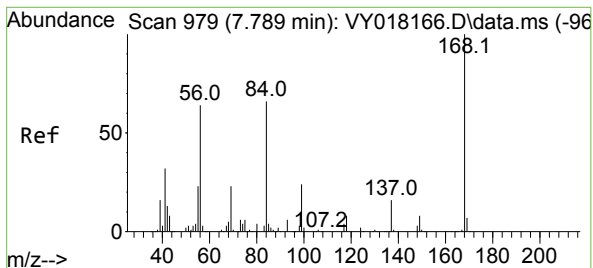
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.783	168	121453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	244411	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	218891	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	83577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	70167	78.531	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 157.060%	
35) Dibromofluoromethane	7.710	113	72343	56.320	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.640%	
50) Toluene-d8	10.179	98	284548	56.216	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.440%	
62) 4-Bromofluorobenzene	12.477	95	87246	53.373	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.740%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.930	59	1267	4.508	ug/l #	94
13) Acrolein	3.723	56	79	Below Cal	#	15
16) Acetone	3.948	43	2275	12.759	ug/l #	71
20) Methylene Chloride	4.704	84	5978	4.743	ug/l #	85
25) 2-Butanone	6.966	43	787	2.761	ug/l #	41
31) Cyclohexane	7.783	56	2890	Below Cal	#	35
36) 1,1-Dichloropropene	7.777	75	10350	5.621	ug/l #	48
38) Carbon Tetrachloride	7.777	117	13138	6.530	ug/l #	17
49) 1,4-Dioxane	9.209	88	61	6.173	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	45509	68.027	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	45509	131.066	ug/l #	16

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

Quant Time: May 21 01:24:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
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QLast Update : Wed May 08 01:40:14 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY018332.D

Acq: 20 May 2024 14:03

Instrument :

MSVOA_Y

ClientSampleId :

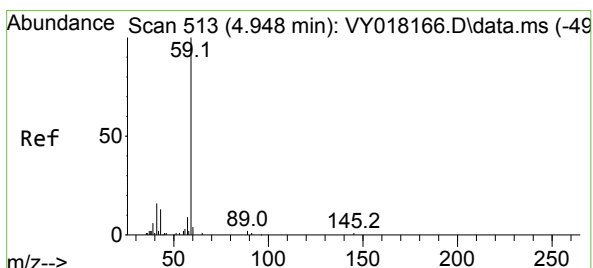
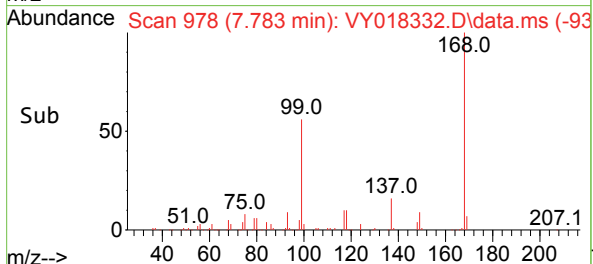
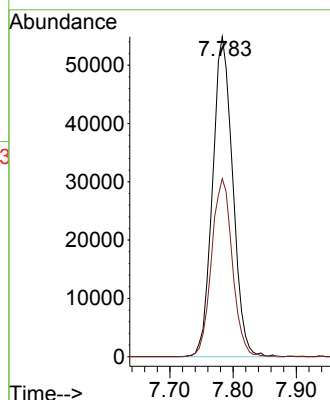
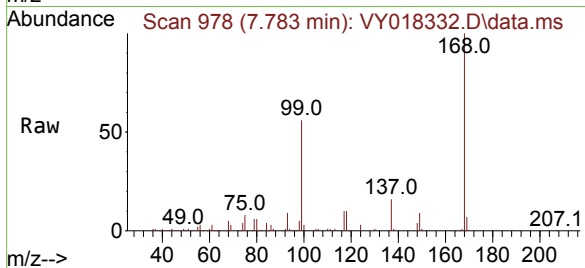
VOC-MH-FF

Tgt Ion:168 Resp: 121453

Ion Ratio Lower Upper

168 100

99 55.7 39.1 58.7



#11

Tert butyl alcohol

Concen: 4.508 ug/l

RT: 4.930 min Scan# 510

Delta R.T. -0.018 min

Lab File: VY018332.D

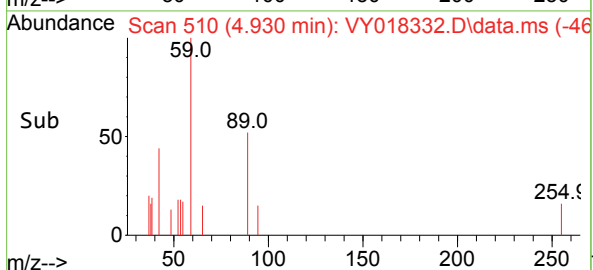
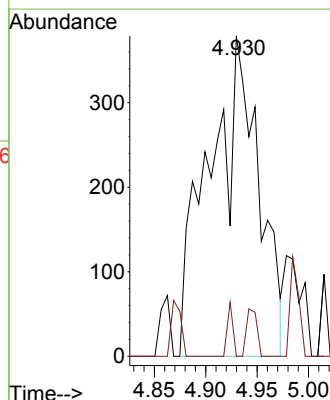
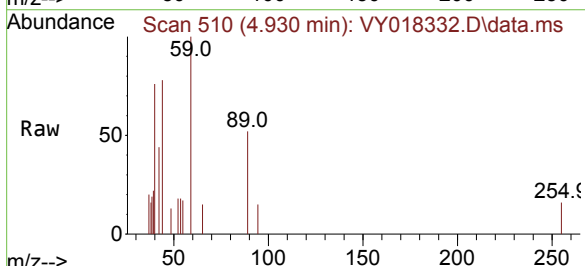
Acq: 20 May 2024 14:03

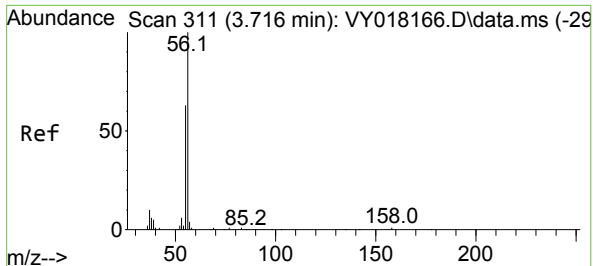
Tgt Ion: 59 Resp: 1267

Ion Ratio Lower Upper

59 100

57 1.8 3.0 4.6#

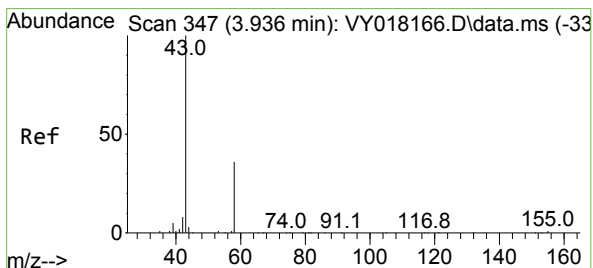
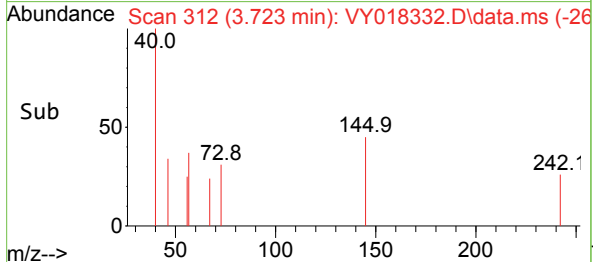
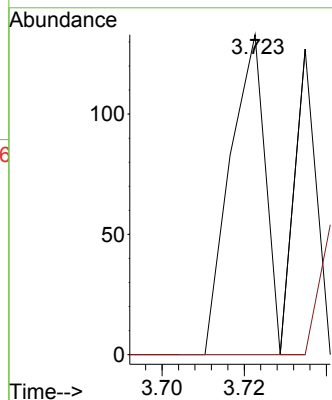
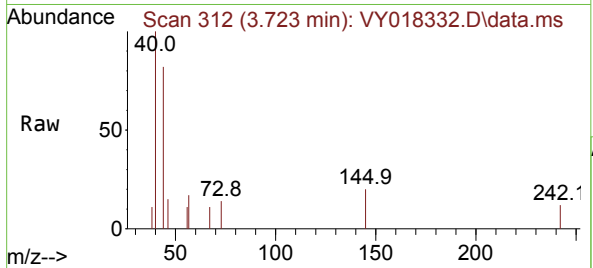




#13
Acrolein
Concen: Below Cal
RT: 3.723 min Scan# 311
Delta R.T. 0.007 min
Lab File: VY018332.D
Acq: 20 May 2024 14:03

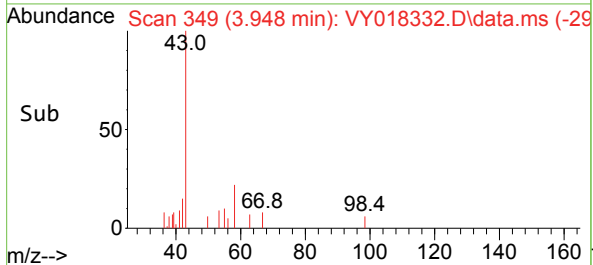
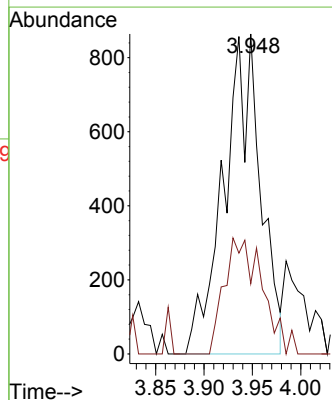
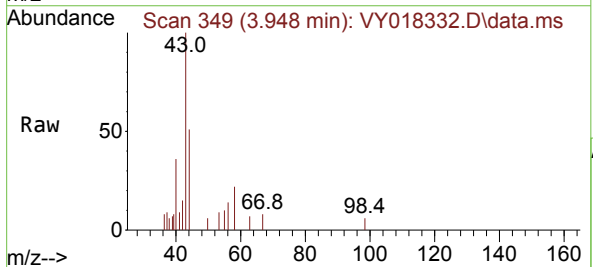
Instrument :
MSVOA_Y
ClientSampleId :
VOC-MH-FF

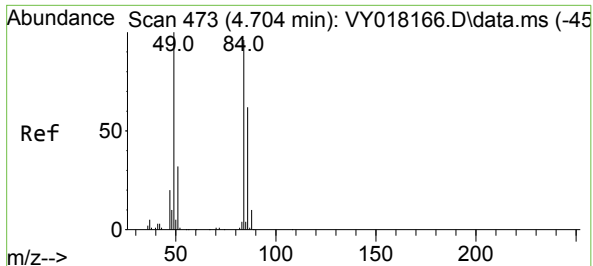
Tgt Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#



#16
Acetone
Concen: 12.759 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.012 min
Lab File: VY018332.D
Acq: 20 May 2024 14:03

Tgt Ion: 43 Resp: 2275
Ion Ratio Lower Upper
43 100
58 22.0 31.7 47.5#

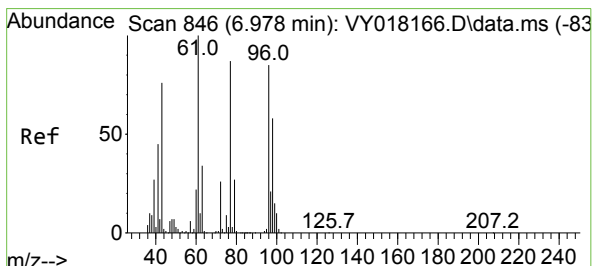
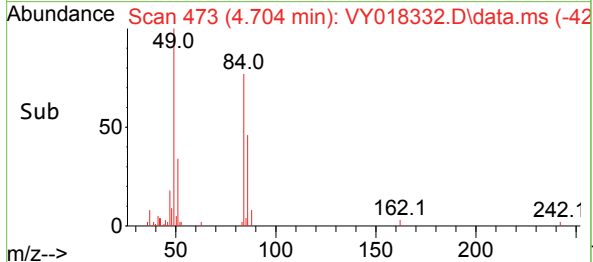
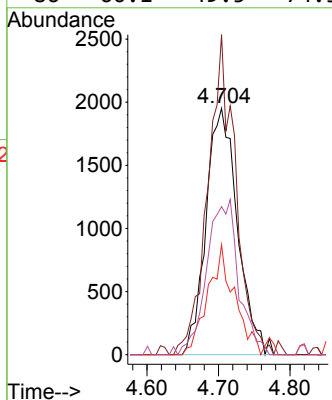
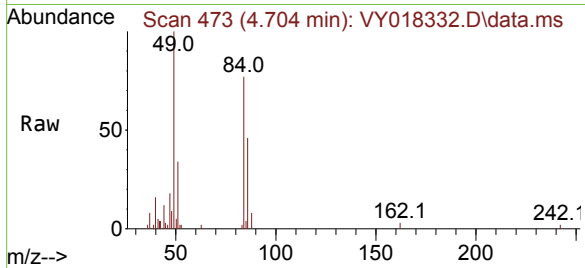




#20
Methylene Chloride
Concen: 4.743 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY018332.D
Acq: 20 May 2024 14:03

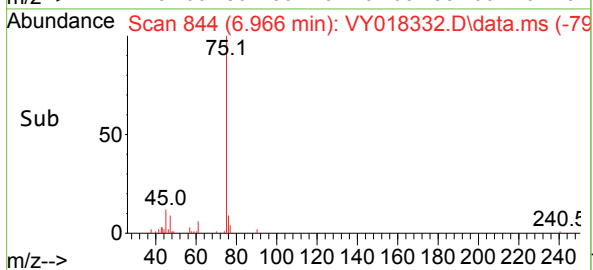
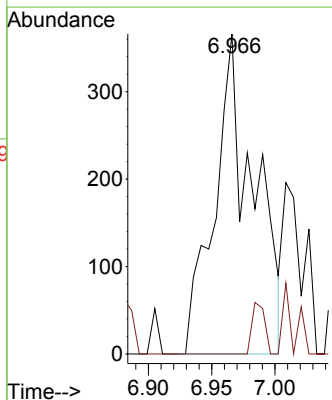
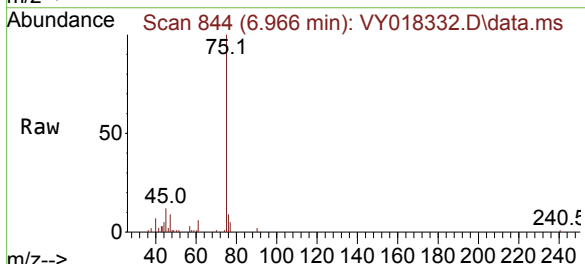
Instrument :
MSVOA_Y
ClientSampleId :
VOC-MH-FF

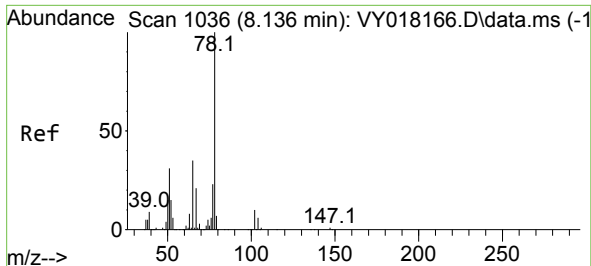
Tgt Ion: 84	Resp: 5978
Ion Ratio	Lower Upper
84 100	
49 126.1	84.4 126.6
51 44.6	26.0 39.0#
86 60.1	49.5 74.3



#25
2-Butanone
Concen: 2.761 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY018332.D
Acq: 20 May 2024 14:03

Tgt Ion: 43	Resp: 787
Ion Ratio	Lower Upper
43 100	
72 0.0	27.3 40.9#





#33

1,2-Dichloroethane-d4

Concen: 78.531 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY018332.D

Acq: 20 May 2024 14:03

Instrument :

MSVOA_Y

ClientSampleId :

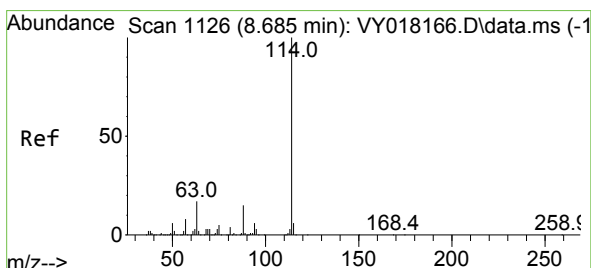
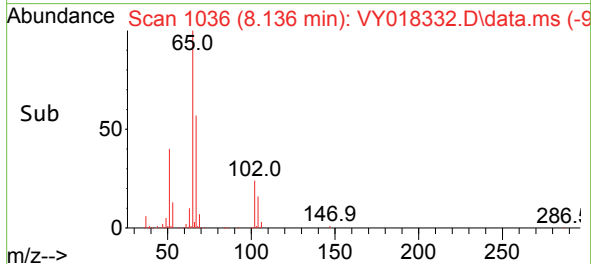
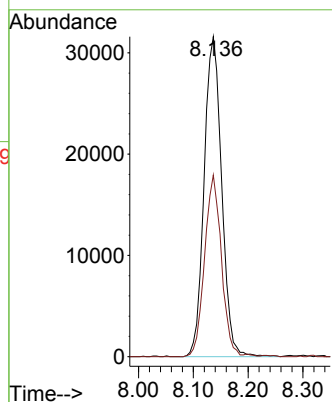
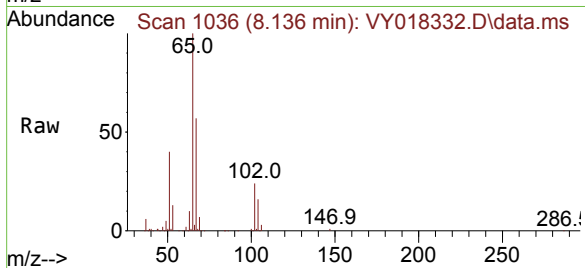
VOC-MH-FF

Tgt Ion: 65 Resp: 70167

Ion Ratio Lower Upper

65 100

67 54.3 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY018332.D

Acq: 20 May 2024 14:03

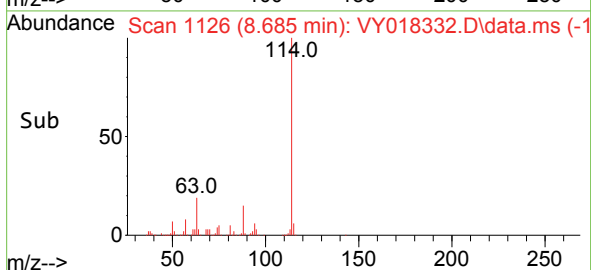
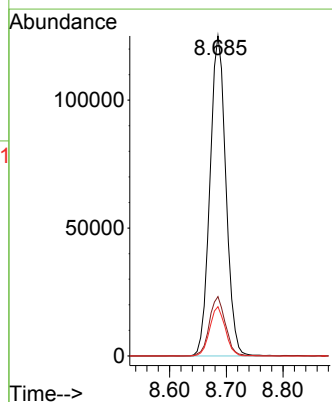
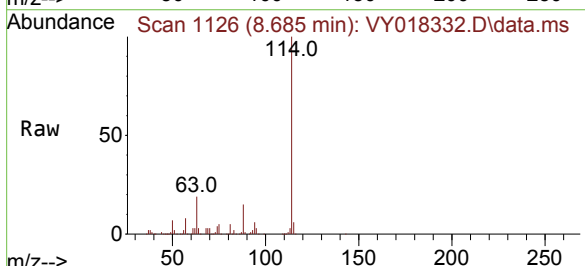
Tgt Ion: 114 Resp: 244411

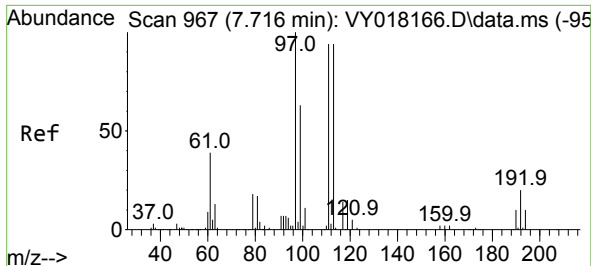
Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.0

88 15.4 0.0 27.2

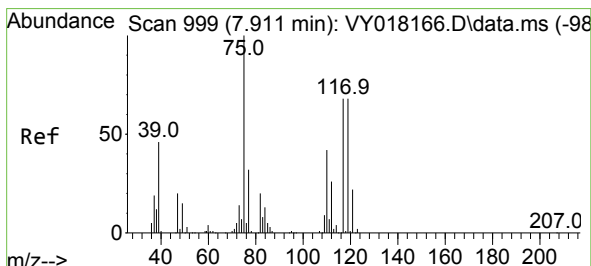
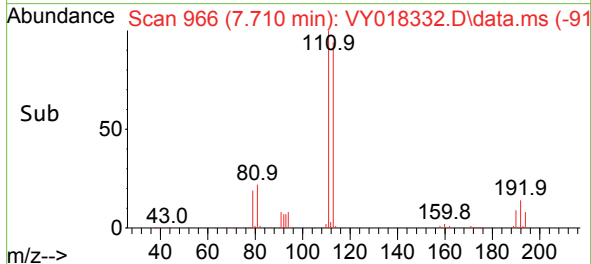
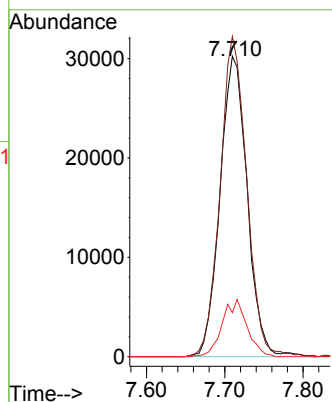
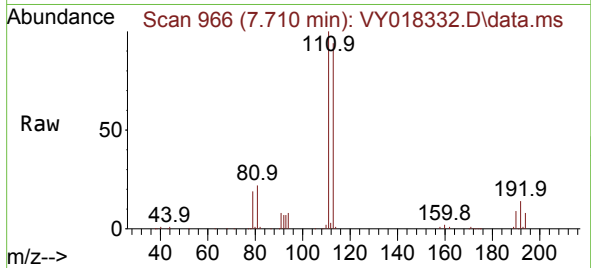




#35
Dibromofluoromethane
Concen: 56.320 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY018332.D
Acq: 20 May 2024 14:03

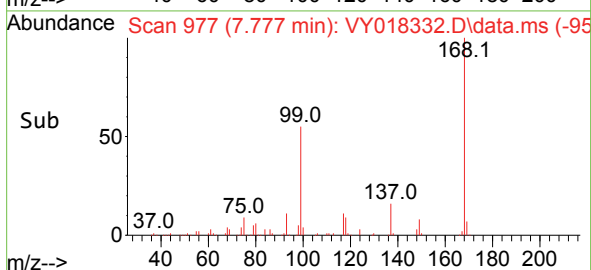
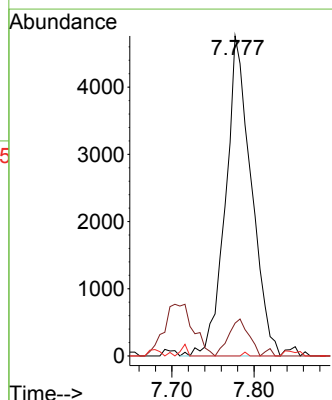
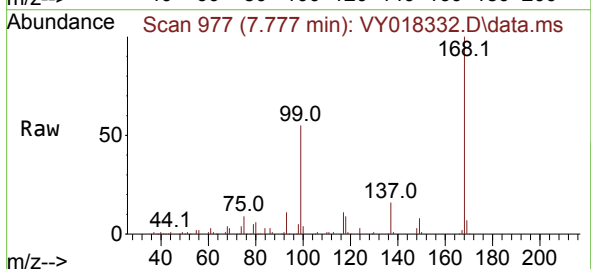
Instrument :
MSVOA_Y
ClientSampleId :
VOC-MH-FF

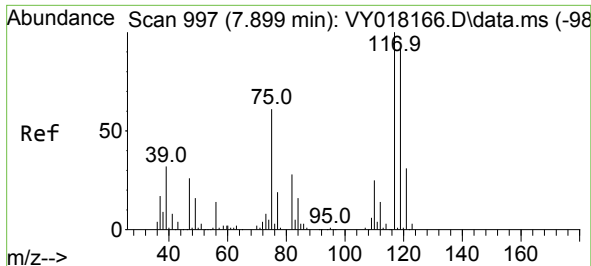
Tgt Ion:113 Resp: 72343
Ion Ratio Lower Upper
113 100
111 105.4 82.2 123.4
192 17.5 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.621 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY018332.D
Acq: 20 May 2024 14:03

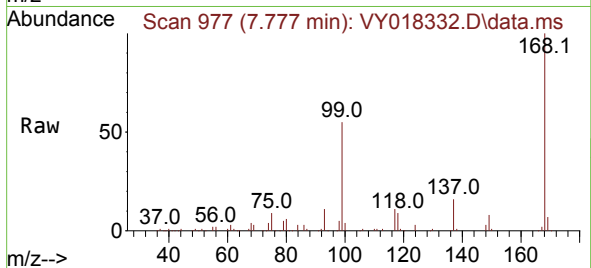
Tgt Ion: 75 Resp: 10350
Ion Ratio Lower Upper
75 100
110 9.2 19.0 57.0#
77 0.2 25.3 37.9#



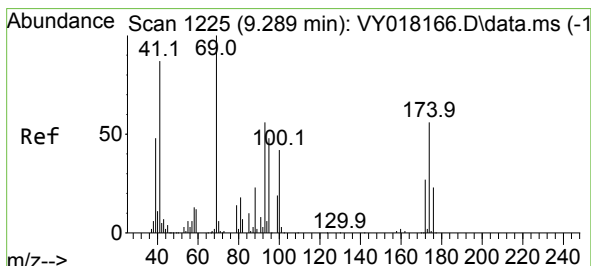
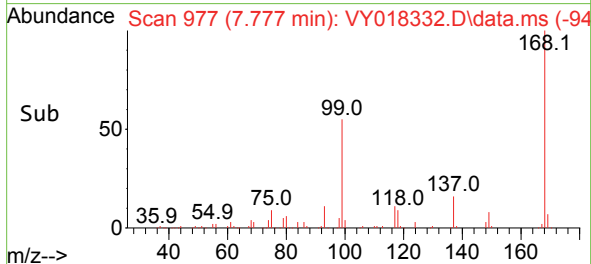
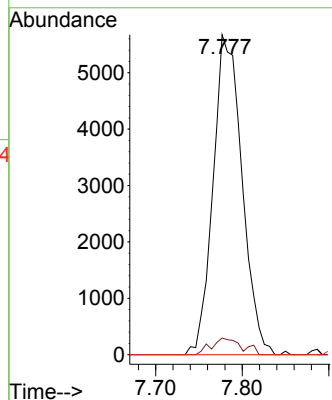


#38
Carbon Tetrachloride
Concen: 6.530 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY018332.D
Acq: 20 May 2024 14:03

Instrument :
MSVOA_Y
ClientSampleId :
VOC-MH-FF

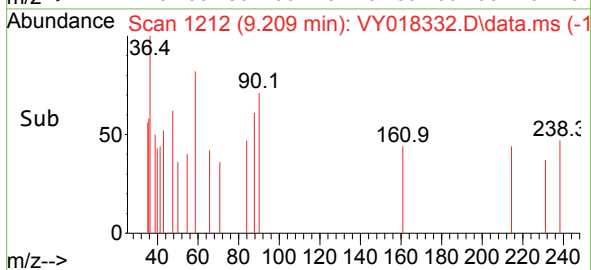
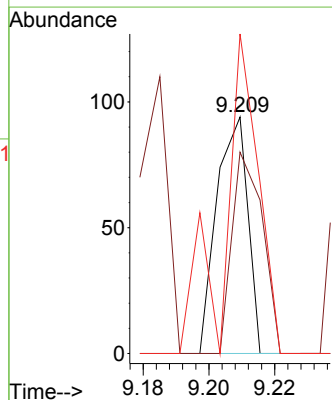
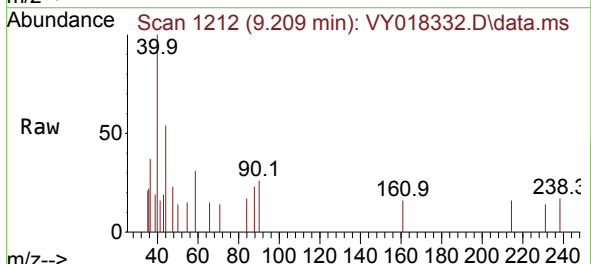


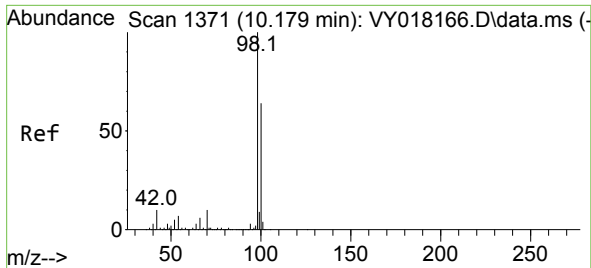
Tgt Ion:117 Resp: 13138
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.6#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 6.173 ug/l
RT: 9.209 min Scan# 1212
Delta R.T. -0.079 min
Lab File: VY018332.D
Acq: 20 May 2024 14:03

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 85.2 0.0 0.0#
58 150.8 49.3 73.9#

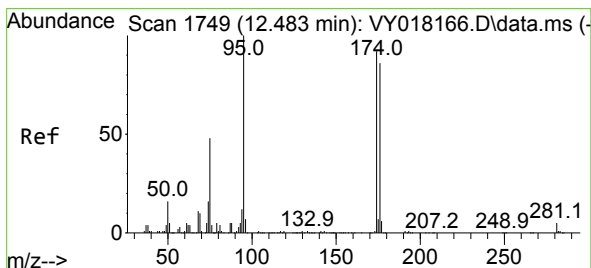
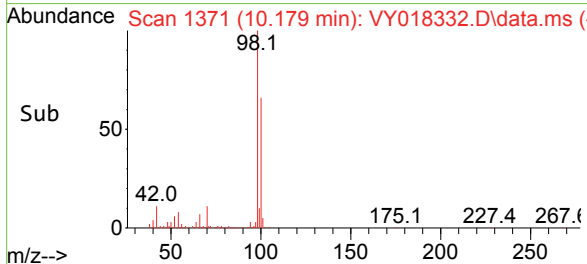
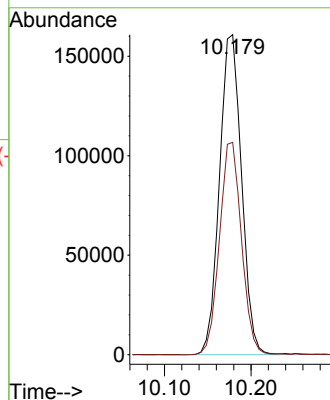
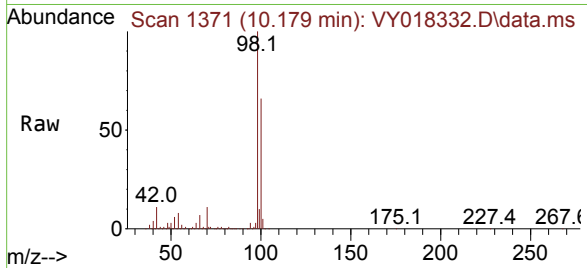




#50
Toluene-d8
Concen: 56.216 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018332.D
Acq: 20 May 2024 14:03

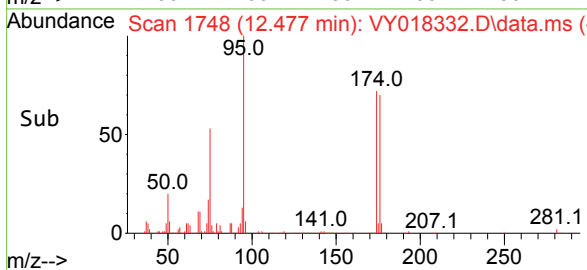
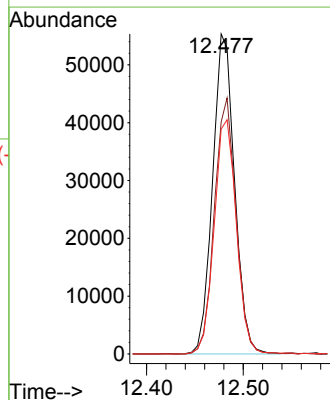
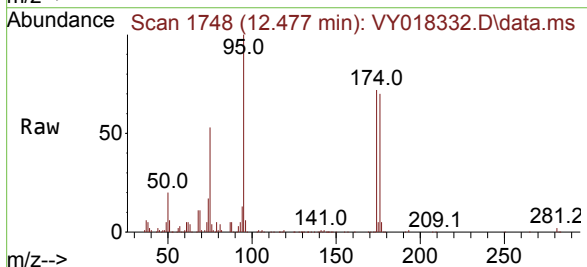
Instrument :
MSVOA_Y
ClientSampleId :
VOC-MH-FF

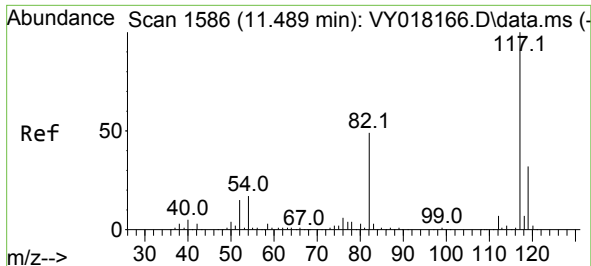
Tgt Ion: 98 Resp: 284548
Ion Ratio Lower Upper
98 100
100 66.2 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 53.373 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY018332.D
Acq: 20 May 2024 14:03

Tgt Ion: 95 Resp: 87246
Ion Ratio Lower Upper
95 100
174 78.9 0.0 175.6
176 74.3 0.0 171.4

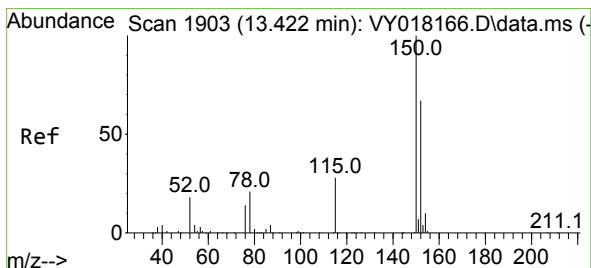
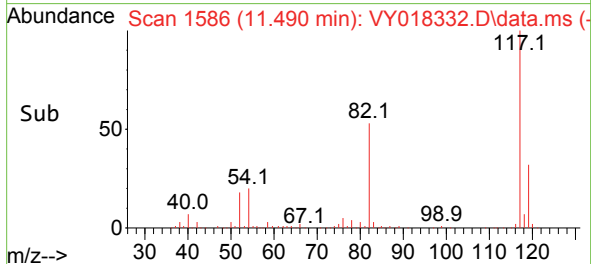
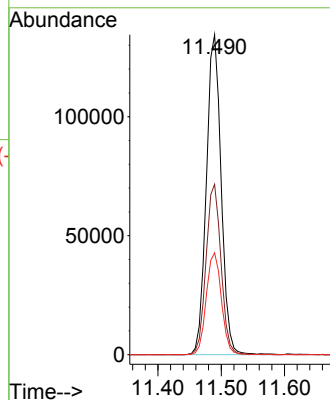
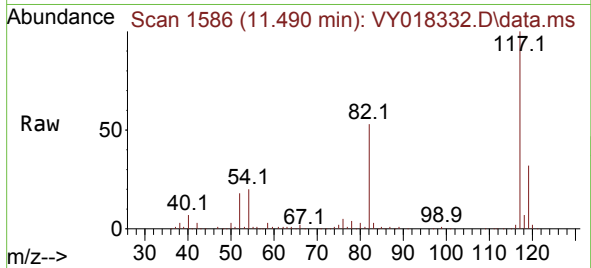




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY018332.D
Acq: 20 May 2024 14:03

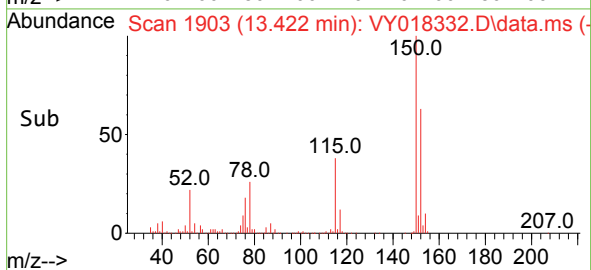
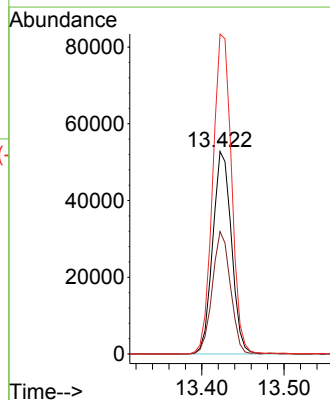
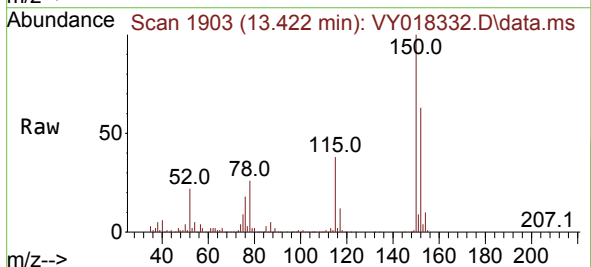
Instrument :
MSVOA_Y
ClientSampleId :
VOC-MH-FF

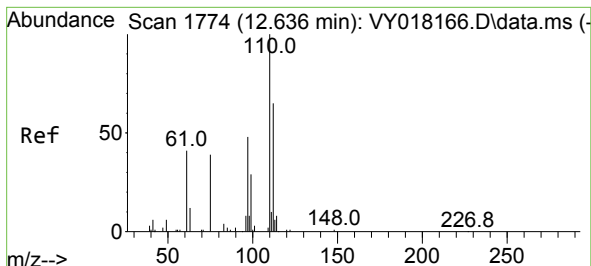
Tgt Ion:117 Resp: 218891
Ion Ratio Lower Upper
117 100
82 53.3 42.4 63.6
119 31.9 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY018332.D
Acq: 20 May 2024 14:03

Tgt Ion:152 Resp: 83577
Ion Ratio Lower Upper
152 100
115 58.5 28.2 84.7
150 158.7 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 68.027 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY018332.D

Acq: 20 May 2024 14:03

Instrument :

MSVOA_Y

ClientSampleId :

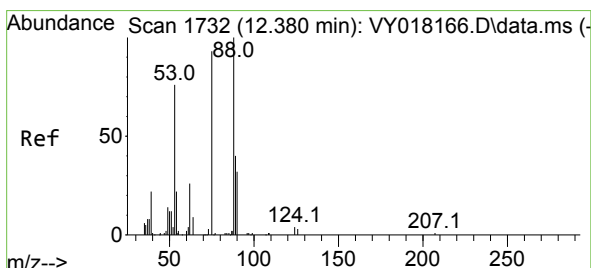
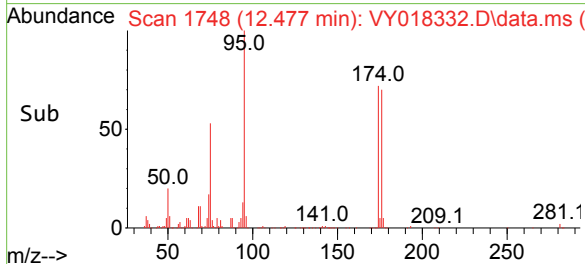
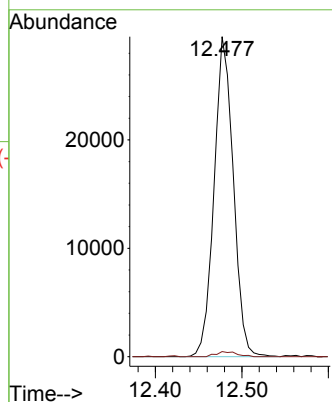
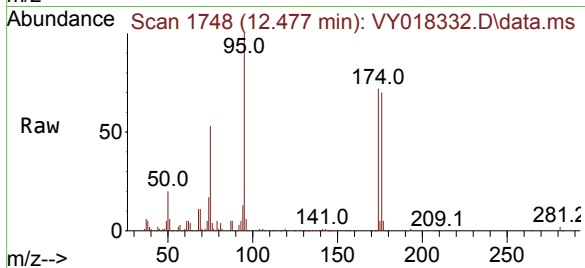
VOC-MH-FF

Tgt Ion: 75 Resp: 45509

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 131.066 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY018332.D

Acq: 20 May 2024 14:03

Tgt Ion: 75 Resp: 45509

Ion Ratio Lower Upper

75 100

53 0.1 66.8 100.2#

89 1.0 35.8 53.6#

