

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052024\
 Data File : VY018331.D
 Acq On : 20 May 2024 13:39
 Operator : SY/MD
 Sample : P2518-07
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-MH-LL

Quant Time: May 21 01:24:17 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)

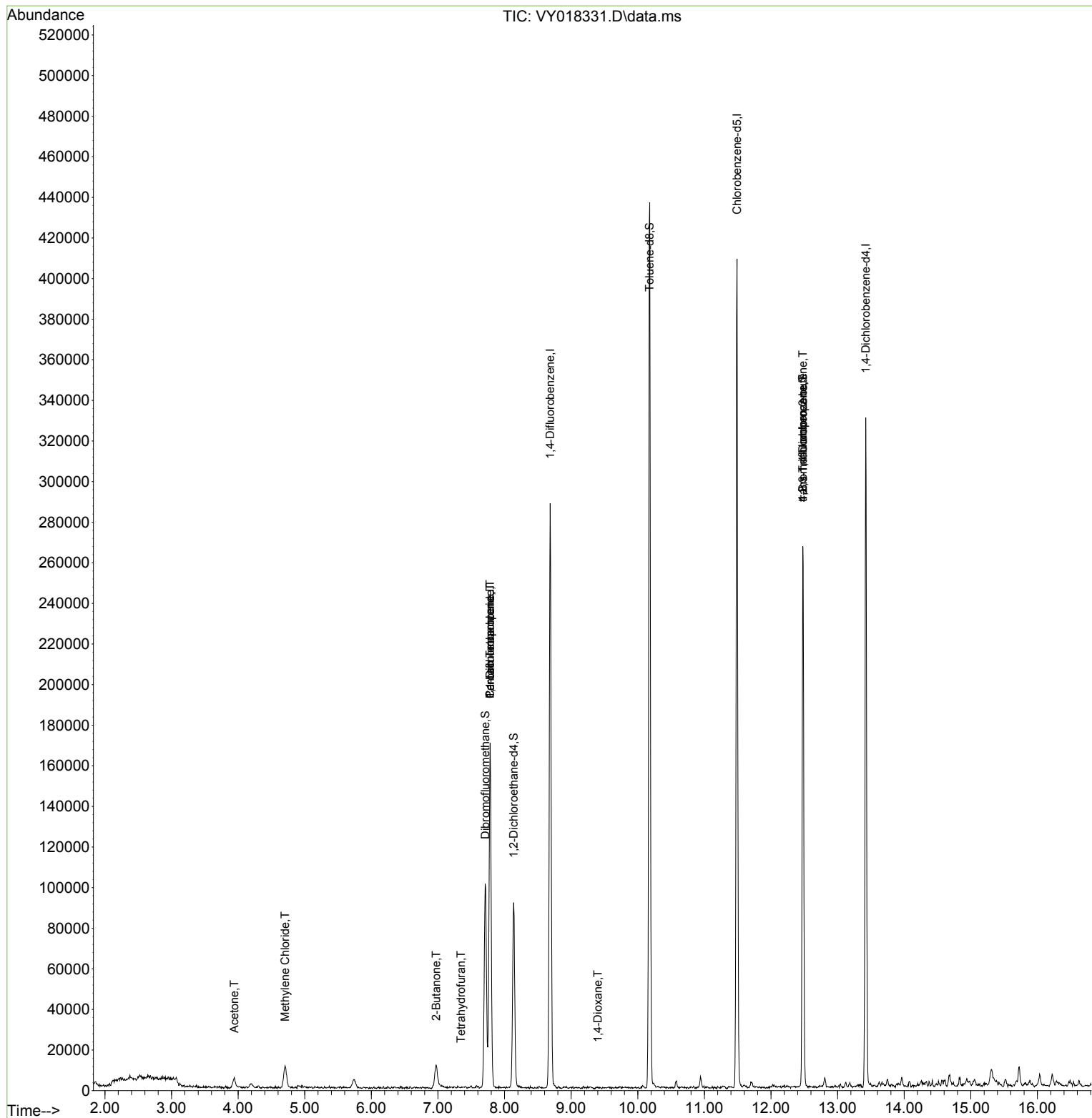
Internal Standards						
1) Pentafluorobenzene	7.783	168	124429	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	246917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	219793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	80710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	65951	72.047	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 144.100%			
35) Dibromofluoromethane	7.710	113	73111	56.341	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.680%			
50) Toluene-d8	10.179	98	289306	56.576	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 113.160%			
62) 4-Bromofluorobenzene	12.477	95	85542	51.800	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.600%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.912	59	154	Below Cal	#	88
13) Acrolein	3.723	56	148	Below Cal	#	36
16) Acetone	3.942	43	7930	43.411	ug/l #	86
20) Methylene Chloride	4.704	84	8343	6.462	ug/l	97
25) 2-Butanone	6.972	43	1485	5.086	ug/l #	72
29) Tetrahydrofuran	7.344	42	234	1.214	ug/l #	46
31) Cyclohexane	7.783	56	3005	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	10852	5.833	ug/l #	48
38) Carbon Tetrachloride	7.783	117	13240	6.514	ug/l #	18
49) 1,4-Dioxane	9.399	88	20	2.003	ug/l #	20
76) 1,2,3-Trichloropropane	12.477	75	43770	67.752	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	43770	130.536	ug/l #	16

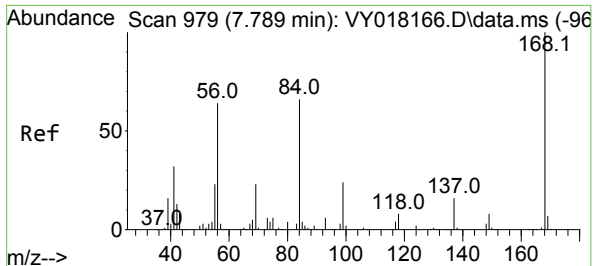
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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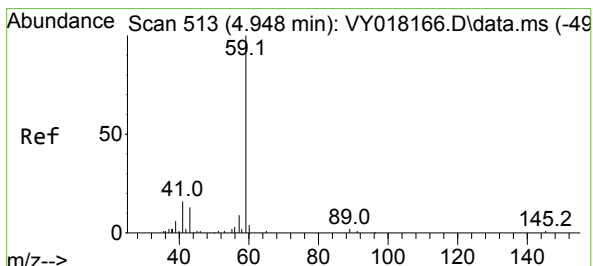
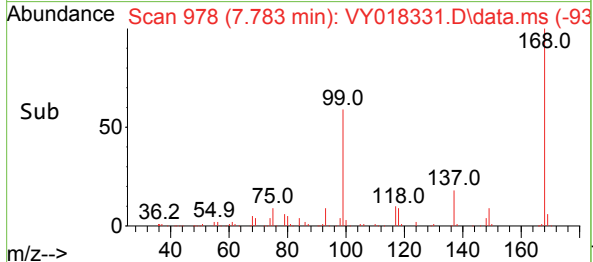
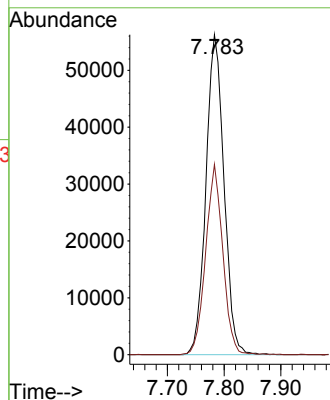
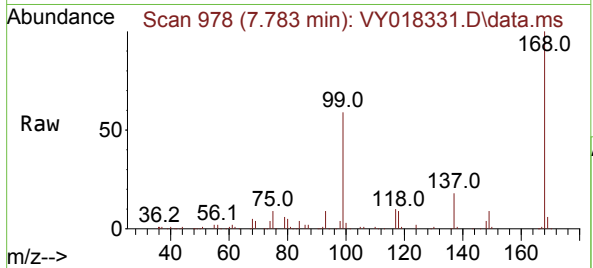




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018331.D
Acq: 20 May 2024 13:39

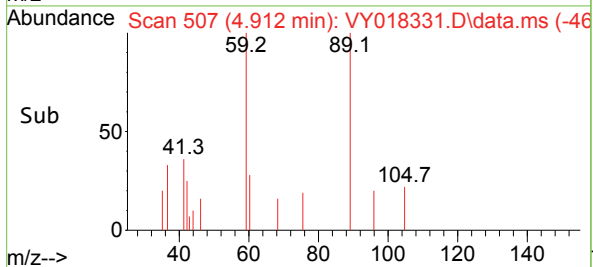
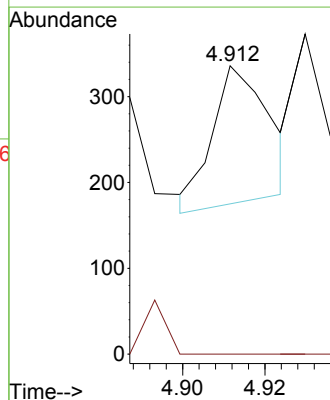
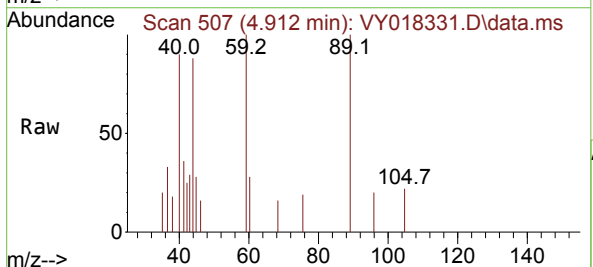
Instrument :
MSVOA_Y
ClientSampleId :
VOC-MH-LL

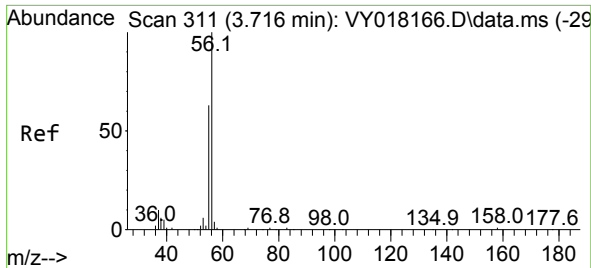
Tgt Ion:168 Resp: 124429
Ion Ratio Lower Upper
168 100
99 59.5 39.1 58.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.912 min Scan# 507
Delta R.T. -0.036 min
Lab File: VY018331.D
Acq: 20 May 2024 13:39

Tgt Ion: 59 Resp: 154
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

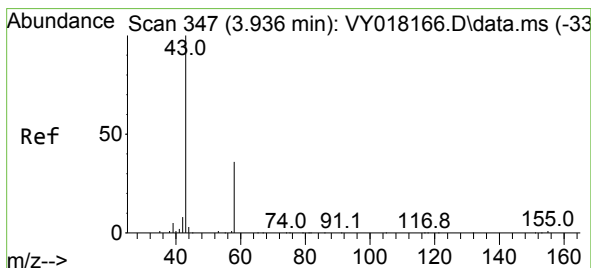
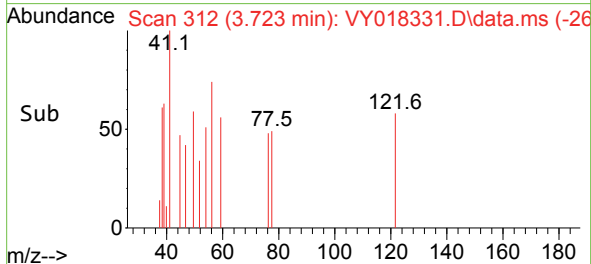
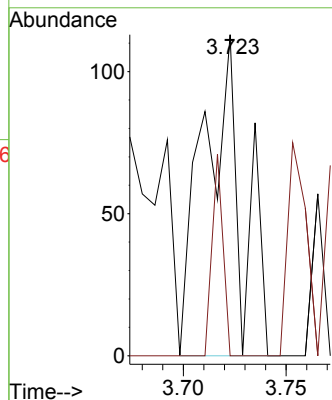
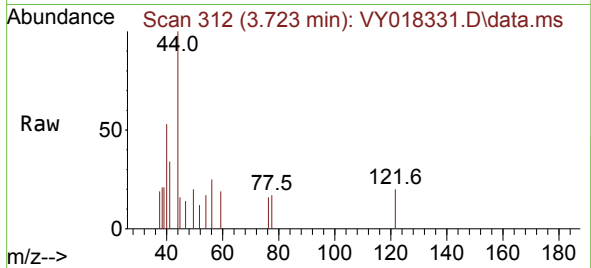




#13
Acrolein
Concen: Below Cal
RT: 3.723 min Scan# 311
Delta R.T. 0.007 min
Lab File: VY018331.D
Acq: 20 May 2024 13:39

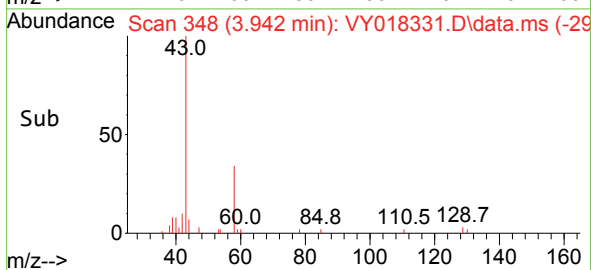
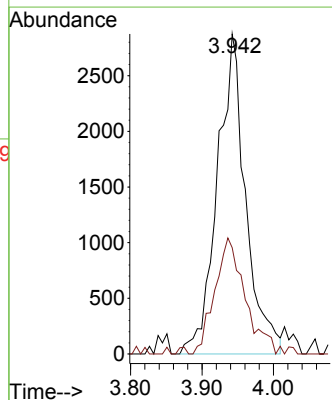
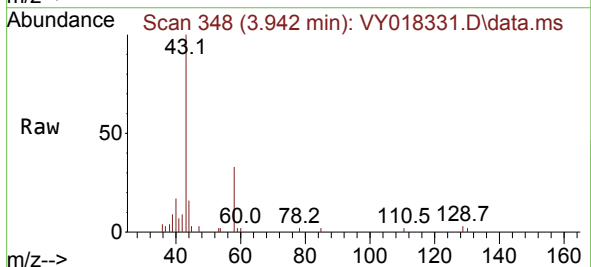
Instrument :
MSVOA_Y
ClientSampleId :
VOC-MH-LL

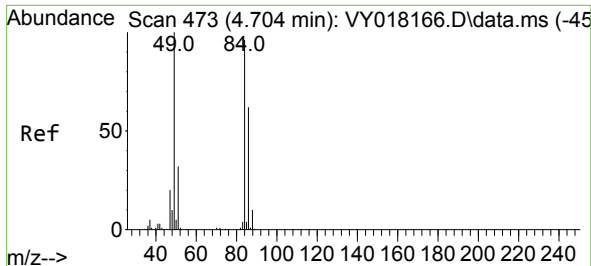
Tgt Ion: 56 Resp: 148
Ion Ratio Lower Upper
56 100
55 17.6 55.7 83.5#



#16
Acetone
Concen: 43.411 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY018331.D
Acq: 20 May 2024 13:39

Tgt Ion: 43 Resp: 7930
Ion Ratio Lower Upper
43 100
58 31.3 31.7 47.5#

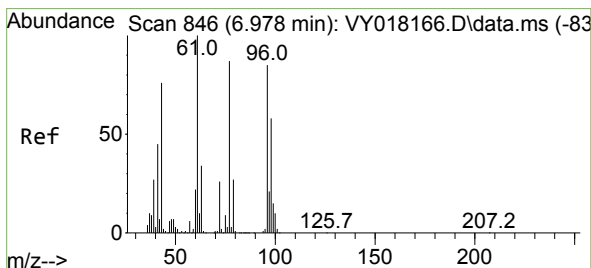
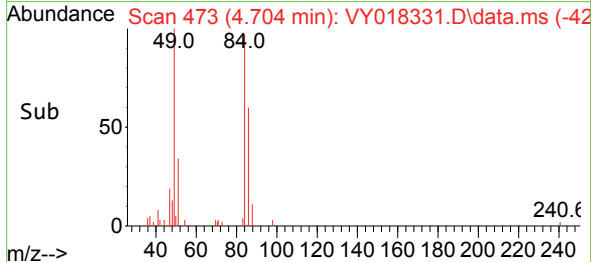
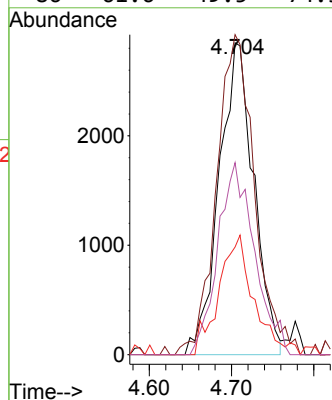
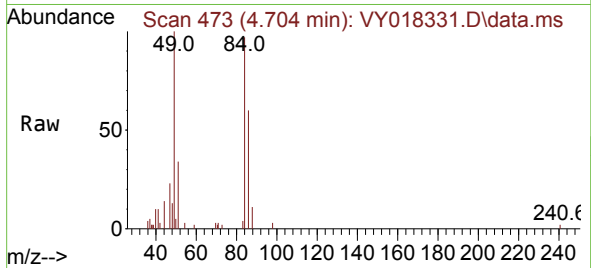




#20
Methylene Chloride
Concen: 6.462 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY018331.D
Acq: 20 May 2024 13:39

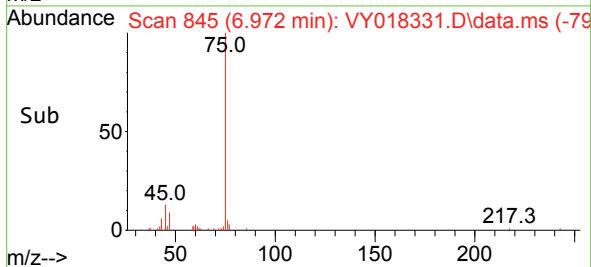
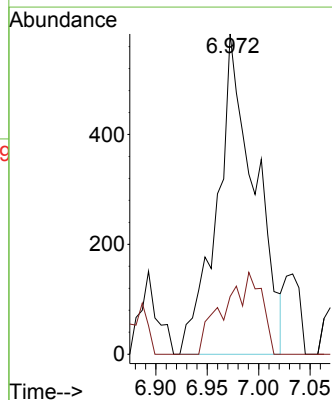
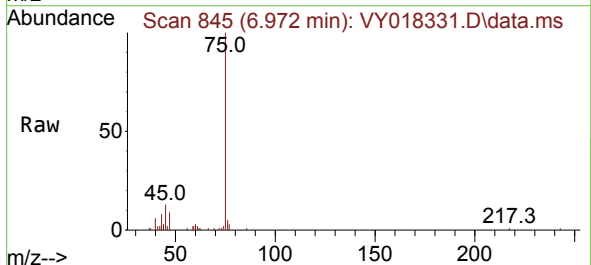
Instrument :
MSVOA_Y
ClientSampleId :
VOC-MH-LL

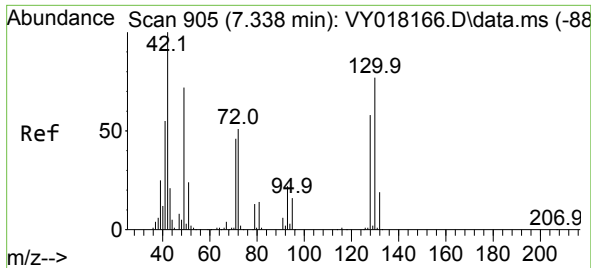
Tgt Ion: 84 Resp: 8343
Ion Ratio Lower Upper
84 100
49 100.2 84.4 126.6
51 34.5 26.0 39.0
86 61.6 49.5 74.3



#25
2-Butanone
Concen: 5.086 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY018331.D
Acq: 20 May 2024 13:39

Tgt Ion: 43 Resp: 1485
Ion Ratio Lower Upper
43 100
72 18.0 27.3 40.9#

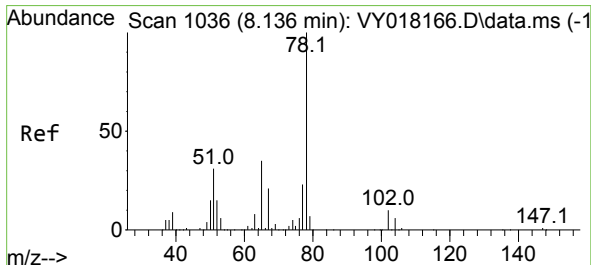
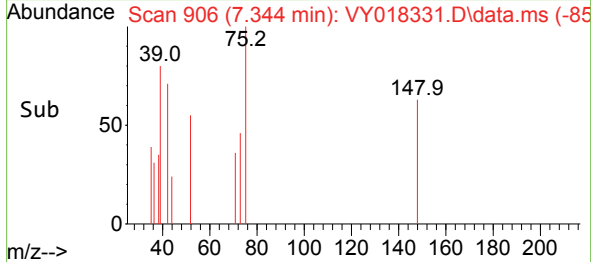
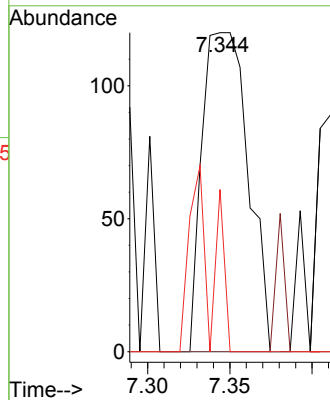
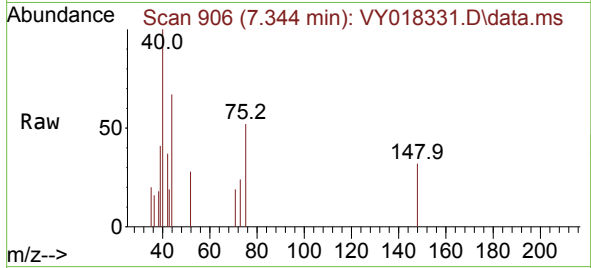




#29
Tetrahydrofuran
Concen: 1.214 ug/l
RT: 7.344 min Scan# 905
Delta R.T. 0.006 min
Lab File: VY018331.D
Acq: 20 May 2024 13:39

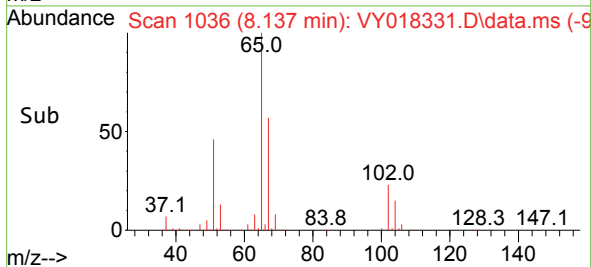
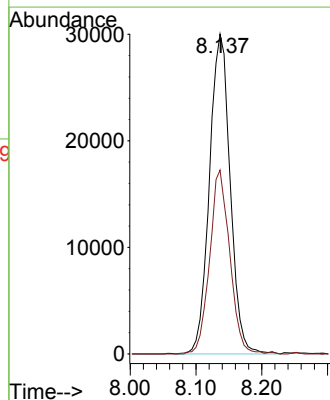
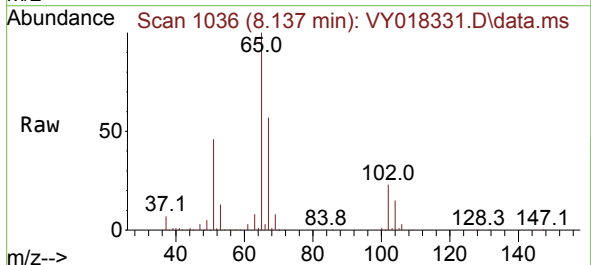
Instrument :
MSVOA_Y
ClientSampleId :
VOC-MH-LL

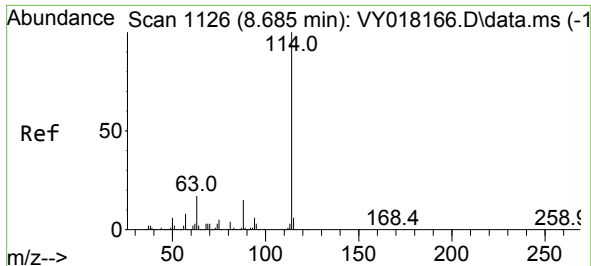
Tgt Ion: 42 Resp: 234
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.4#
71 28.6 40.8 61.2#



#33
1,2-Dichloroethane-d4
Concen: 72.047 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY018331.D
Acq: 20 May 2024 13:39

Tgt Ion: 65 Resp: 65951
Ion Ratio Lower Upper
65 100
67 55.7 0.0 109.6

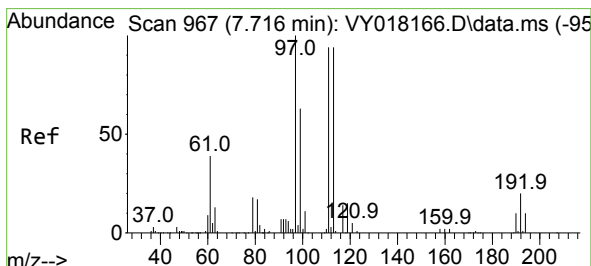
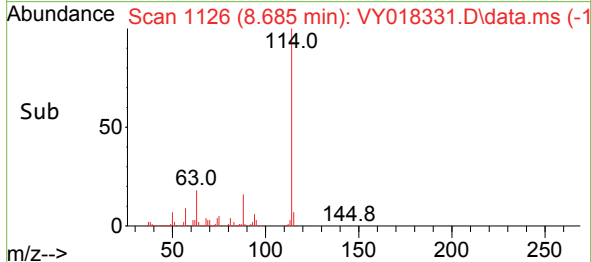
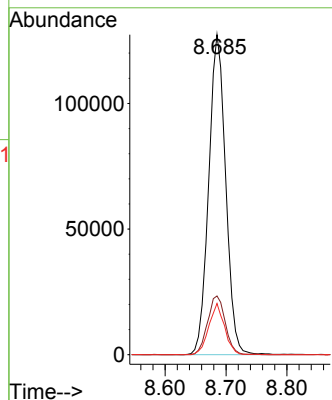
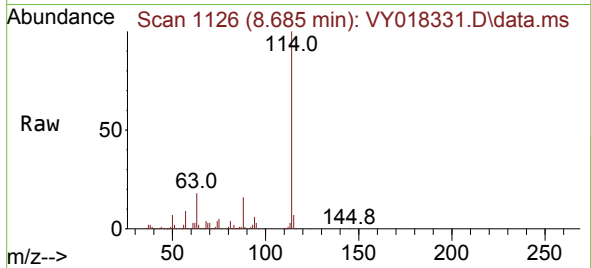




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY018331.D
Acq: 20 May 2024 13:39

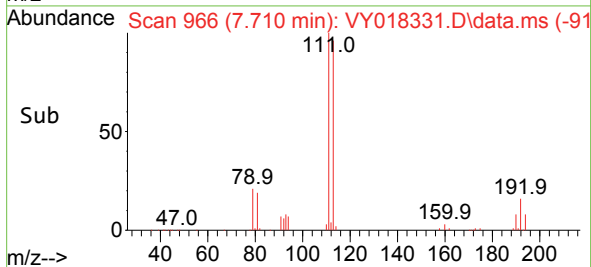
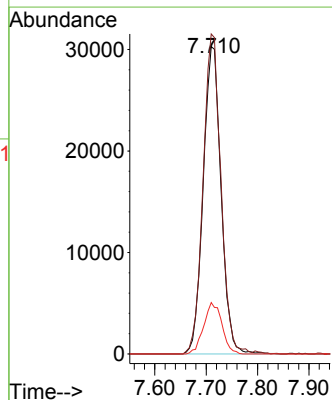
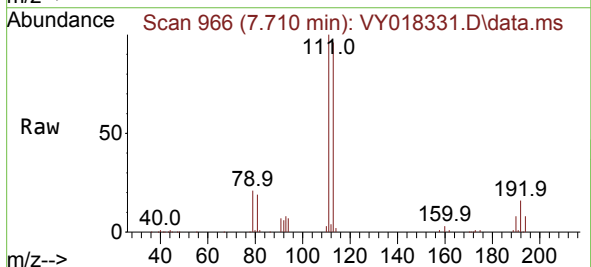
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VOC-MH-LL

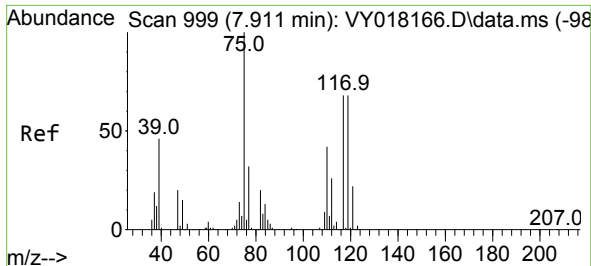
Tgt Ion:114 Resp: 246917
Ion Ratio Lower Upper
114 100
63 18.4 0.0 35.0
88 16.0 0.0 27.2



#35
Dibromofluoromethane
Concen: 56.341 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY018331.D
Acq: 20 May 2024 13:39

Tgt Ion:113 Resp: 73111
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.4
192 17.1 15.9 23.9

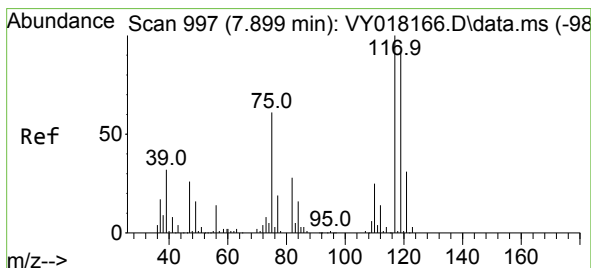
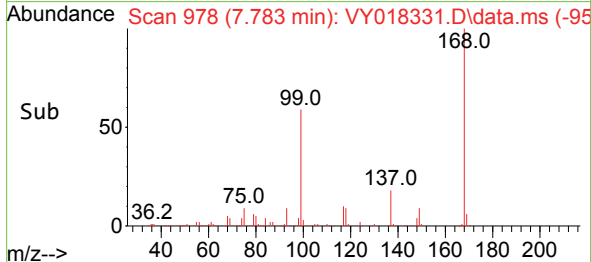
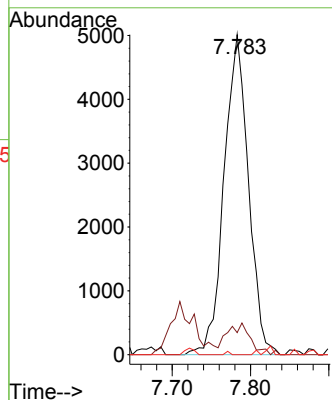
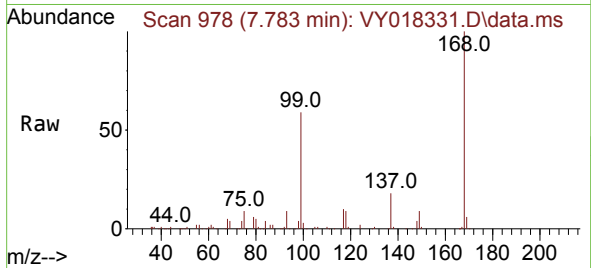




#36
1,1-Dichloropropene
Concen: 5.833 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY018331.D
Acq: 20 May 2024 13:39

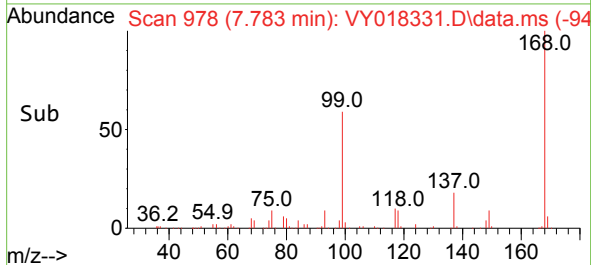
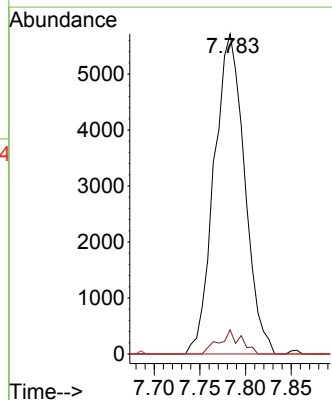
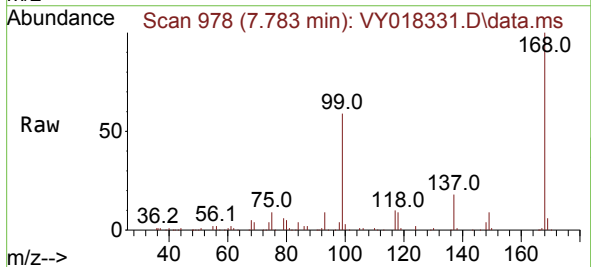
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VOC-MH-LL

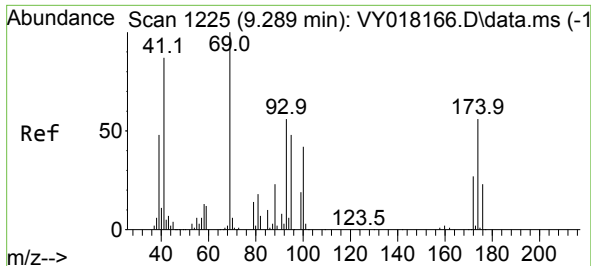
Tgt Ion: 75 Resp: 10852
Ion Ratio Lower Upper
75 100
110 9.5 19.0 57.0#
77 0.2 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.514 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY018331.D
Acq: 20 May 2024 13:39

Tgt Ion: 117 Resp: 13240
Ion Ratio Lower Upper
117 100
119 7.6 75.8 113.6#
121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 2.003 ug/l

RT: 9.399 min Scan# 1243

Delta R.T. 0.110 min

Lab File: VY018331.D

Acq: 20 May 2024 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VOC-MH-LL

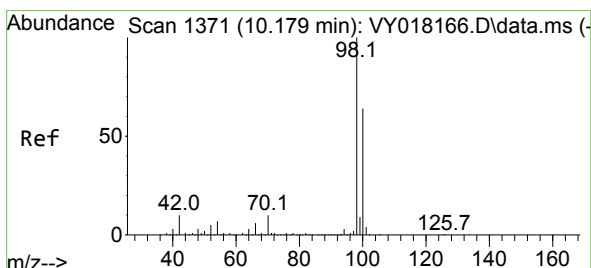
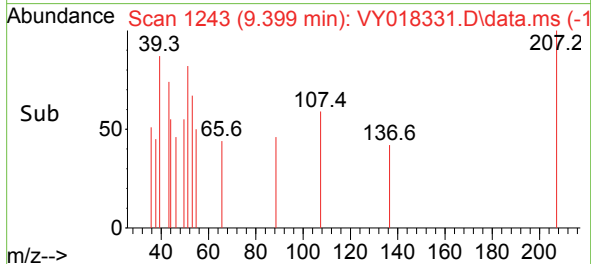
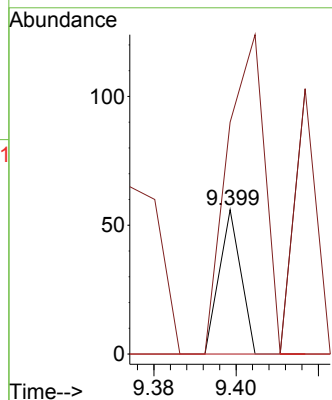
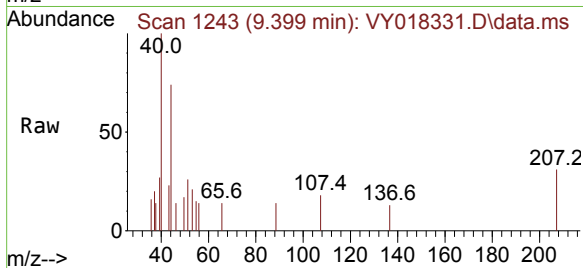
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 390.0 0.0 0.0#

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 56.576 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY018331.D

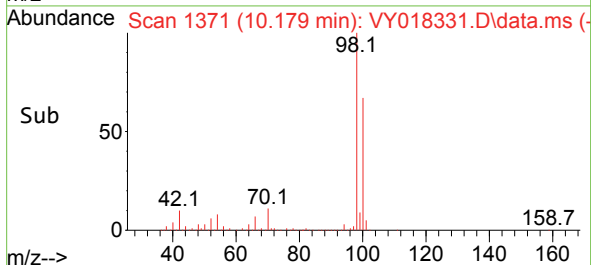
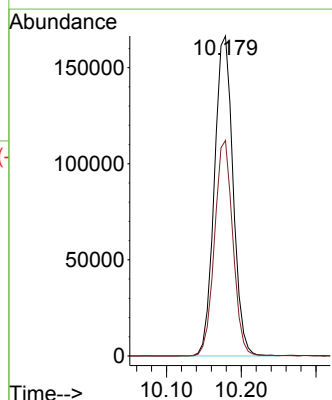
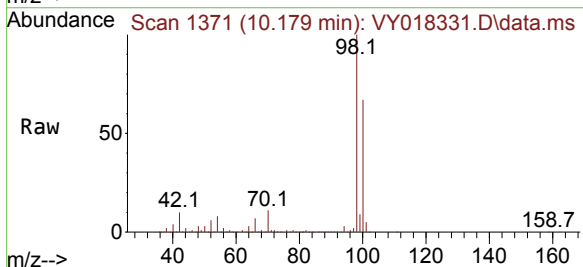
Acq: 20 May 2024 13:39

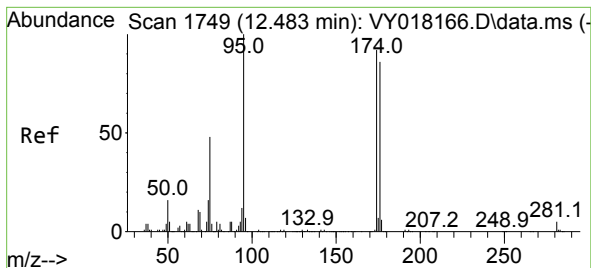
Tgt Ion: 98 Resp: 289306

Ion Ratio Lower Upper

98 100

100 66.0 52.0 78.0

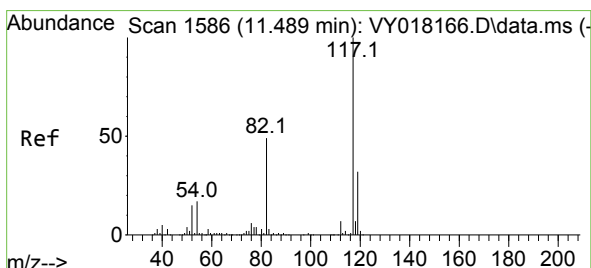
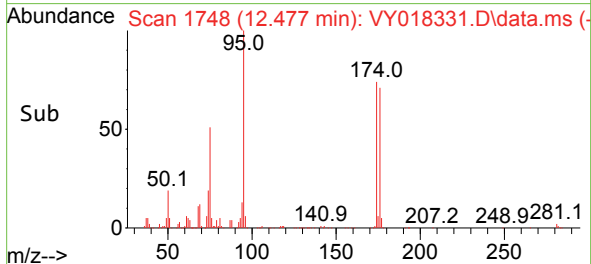
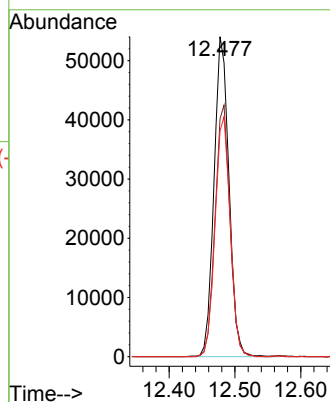
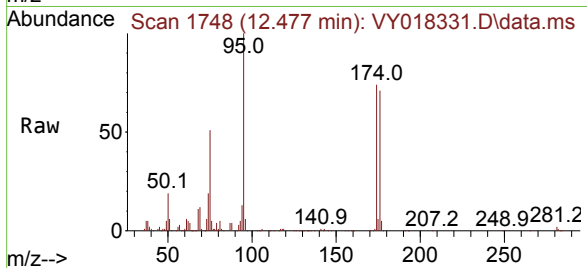




#62
4-Bromofluorobenzene
Concen: 51.800 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY018331.D
Acq: 20 May 2024 13:39

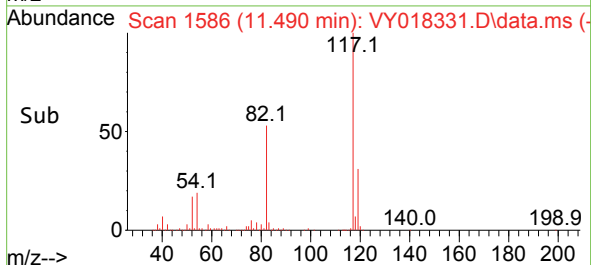
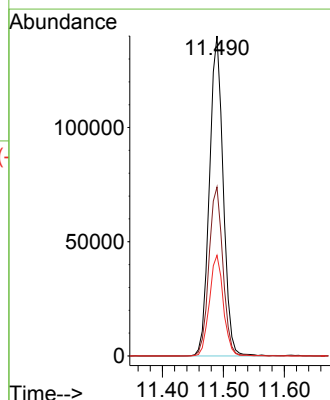
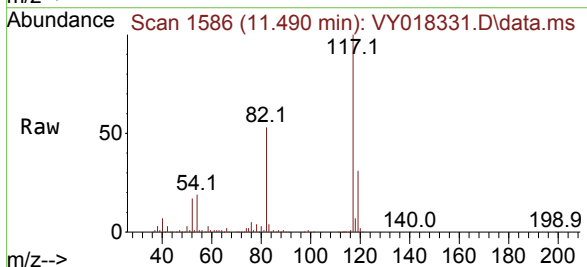
Instrument :
MSVOA_Y
ClientSampleId :
VOC-MH-LL

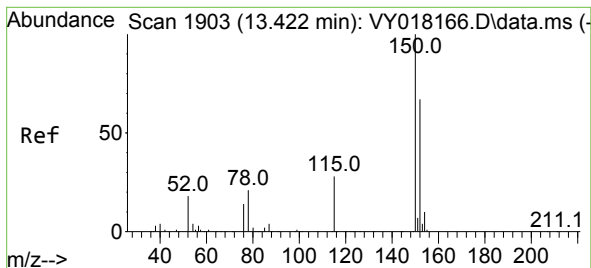
Tgt Ion: 95 Resp: 85542
Ion Ratio Lower Upper
95 100
174 78.5 0.0 175.6
176 75.8 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY018331.D
Acq: 20 May 2024 13:39

Tgt Ion: 117 Resp: 219793
Ion Ratio Lower Upper
117 100
82 52.8 42.4 63.6
119 31.4 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: VY018331.D

Acq: 20 May 2024 13:39

Instrument :

MSVOA_Y

ClientSampleId :

VOC-MH-LL

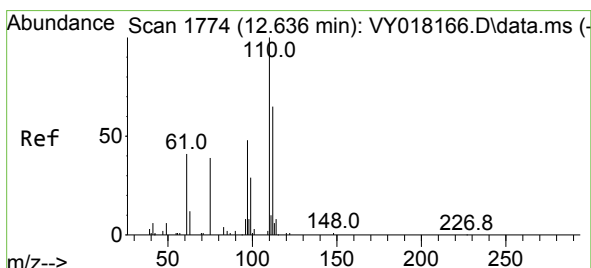
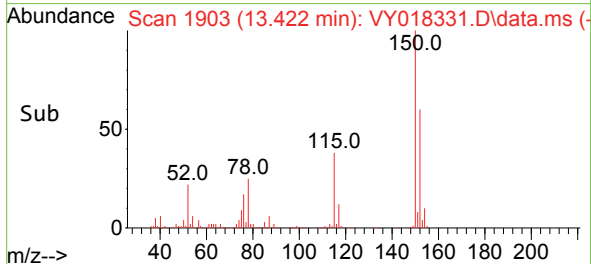
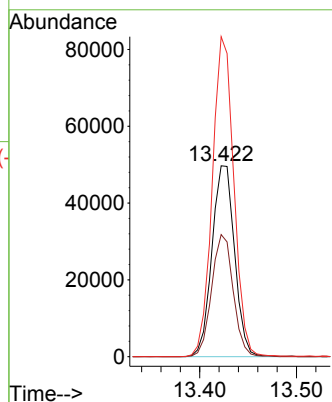
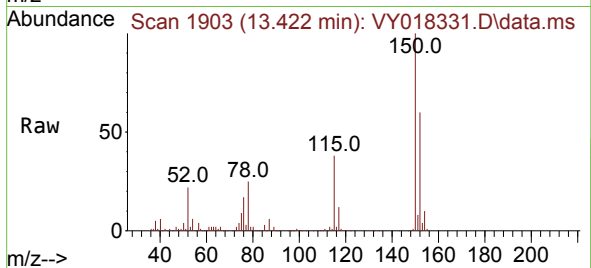
Tgt Ion:152 Resp: 80710

Ion Ratio Lower Upper

152 100

115 61.1 28.2 84.7

150 159.8 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 67.752 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY018331.D

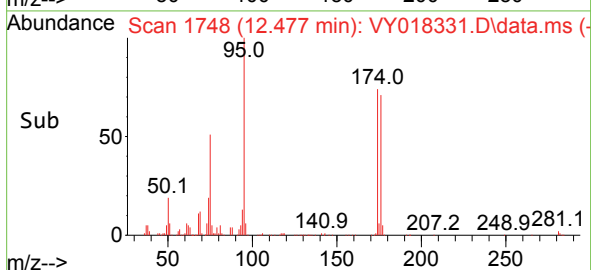
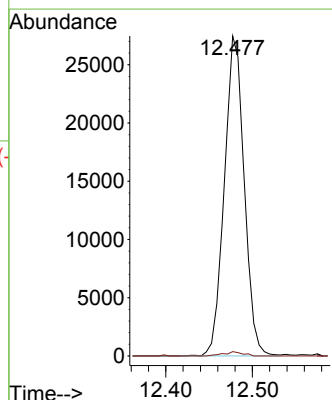
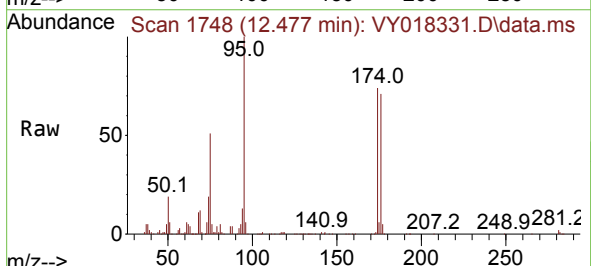
Acq: 20 May 2024 13:39

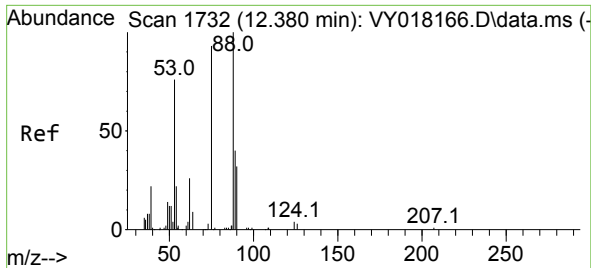
Tgt Ion: 75 Resp: 43770

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.536 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY018331.D
 Acq: 20 May 2024 13:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-MH-LL

Tgt Ion: 75 Resp: 43770
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.8 100.2#
 89 0.1 35.8 53.6#

