

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052024\
 Data File : VY018339.D
 Acq On : 20 May 2024 17:14
 Operator : SY/MD
 Sample : P2525-03
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-MH-AA

Quant Time: May 21 01:28:04 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)

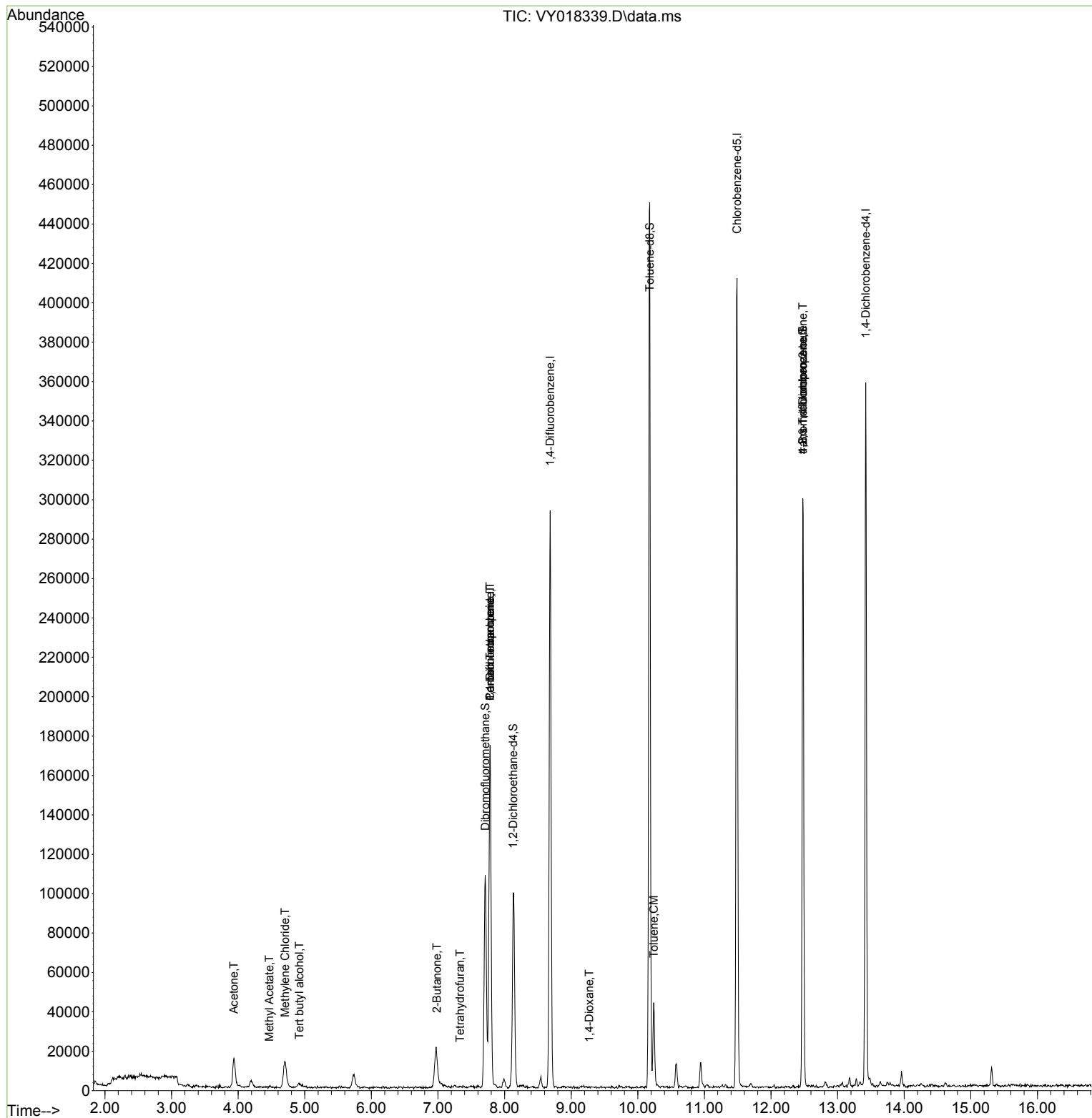
Internal Standards						
1) Pentafluorobenzene	7.783	168	129381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	257129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	232744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	89699	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	72289	75.948	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 151.900%			
35) Dibromofluoromethane	7.710	113	76998	56.979	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.960%			
50) Toluene-d8	10.179	98	295695	55.529	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.060%			
62) 4-Bromofluorobenzene	12.477	95	93507	54.374	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.740%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.917	59	1443	5.679	ug/l #	92
13) Acrolein	3.716	56	31	Below Cal	#	1
16) Acetone	3.936	43	25644	135.008	ug/l	100
18) Methyl Acetate	4.466	43	630	1.164	ug/l #	67
20) Methylene Chloride	4.704	84	9979	7.433	ug/l #	89
25) 2-Butanone	6.984	43	1581	5.207	ug/l	91
29) Tetrahydrofuran	7.332	42	384	1.916	ug/l #	26
31) Cyclohexane	7.777	56	3651	Below Cal	#	22
36) 1,1-Dichloropropene	7.783	75	10217	5.274	ug/l #	49
38) Carbon Tetrachloride	7.783	117	13488	6.372	ug/l #	17
49) 1,4-Dioxane	9.270	88	52	5.002	ug/l #	77
52) Toluene	10.240	92	17515	4.366	ug/l	99
76) 1,2,3-Trichloropropane	12.477	75	46469	64.722	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	46469	124.697	ug/l #	16

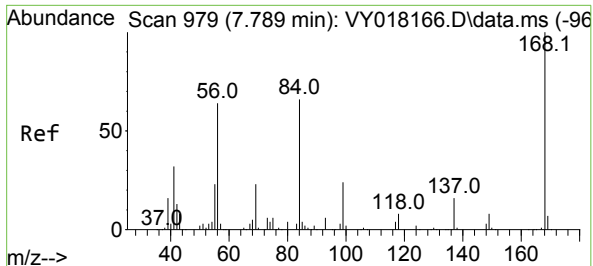
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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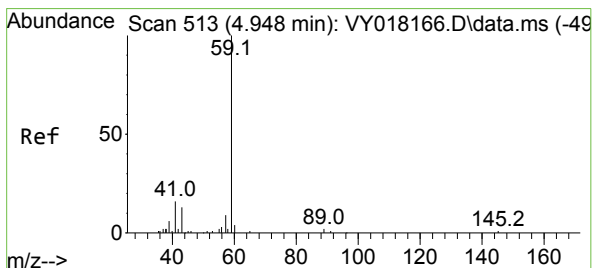
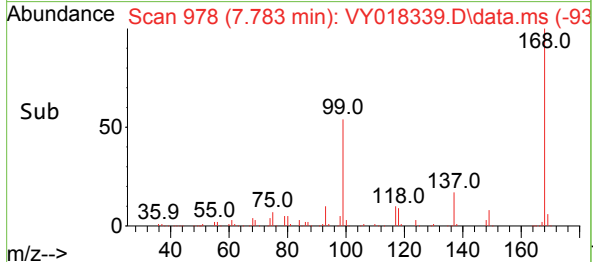
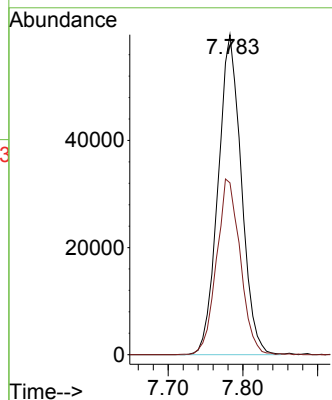
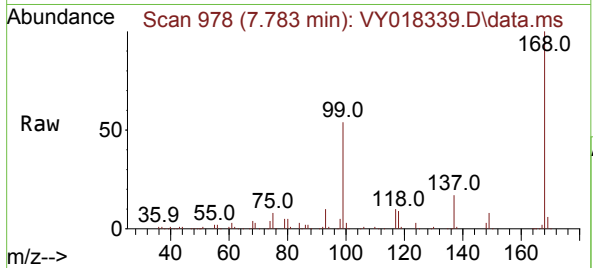




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018339.D
Acq: 20 May 2024 17:14

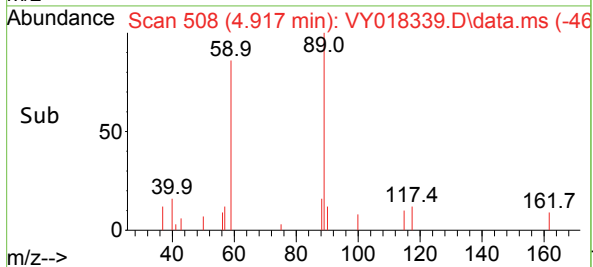
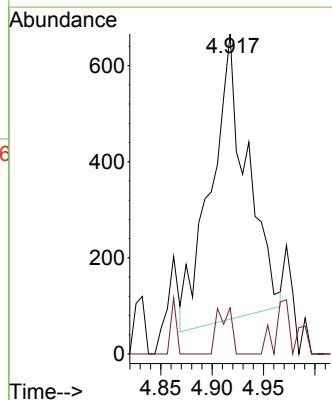
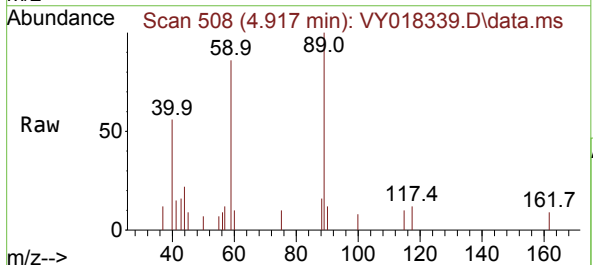
Instrument :
MSVOA_Y
ClientSampleId :
VOC-MH-AA

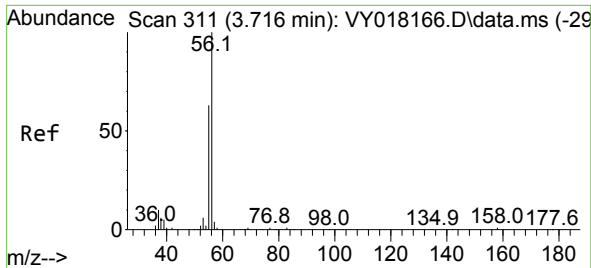
Tgt Ion:168 Resp: 129381
Ion Ratio Lower Upper
168 100
99 53.6 39.1 58.7



#11
Tert butyl alcohol
Concen: 5.679 ug/l
RT: 4.917 min Scan# 508
Delta R.T. -0.031 min
Lab File: VY018339.D
Acq: 20 May 2024 17:14

Tgt Ion: 59 Resp: 1443
Ion Ratio Lower Upper
59 100
57 6.4 3.0 4.6#





#13

Acrolein

Concen: Below Cal

RT: 3.716 min Scan# 311

Delta R.T. 0.000 min

Lab File: VY018339.D

Acq: 20 May 2024 17:14

Instrument :

MSVOA_Y

ClientSampleId :

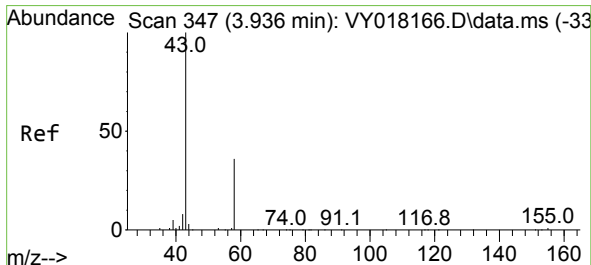
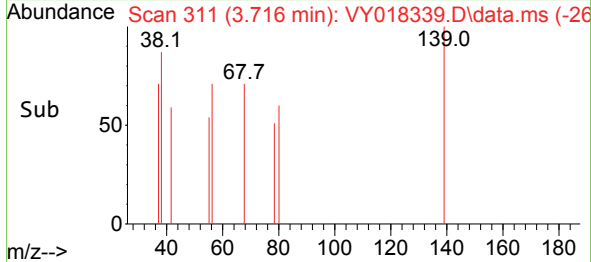
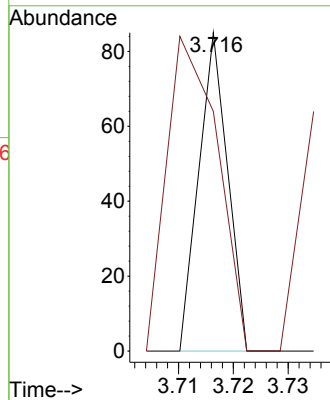
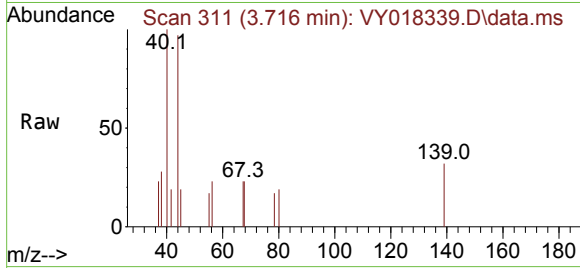
VOC-MH-AA

Tgt Ion: 56 Resp: 31

Ion Ratio Lower Upper

56 100

55 254.8 55.7 83.5#



#16

Acetone

Concen: 135.008 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.000 min

Lab File: VY018339.D

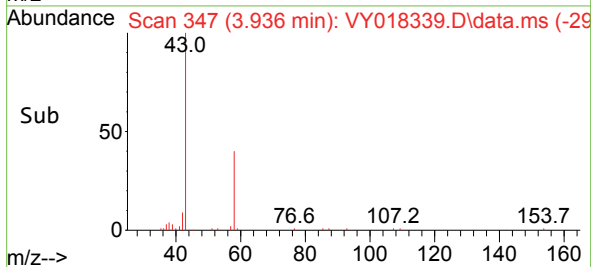
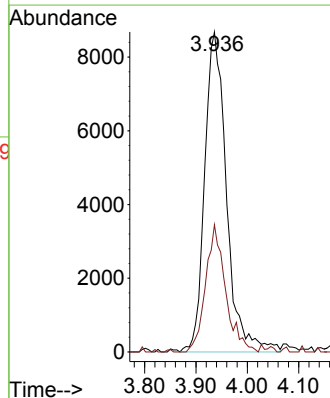
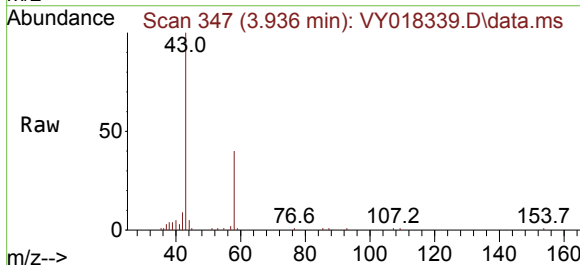
Acq: 20 May 2024 17:14

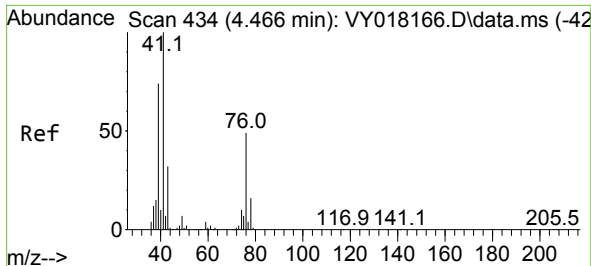
Tgt Ion: 43 Resp: 25644

Ion Ratio Lower Upper

43 100

58 39.8 31.7 47.5





#18

Methyl Acetate

Concen: 1.164 ug/l

RT: 4.466 min Scan# 41

Delta R.T. -0.000 min

Lab File: VY018339.D

Acq: 20 May 2024 17:14

Instrument :

MSVOA_Y

ClientSampleId :

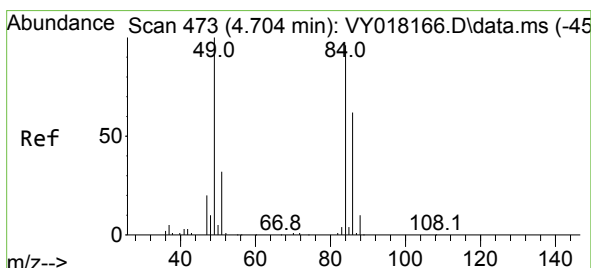
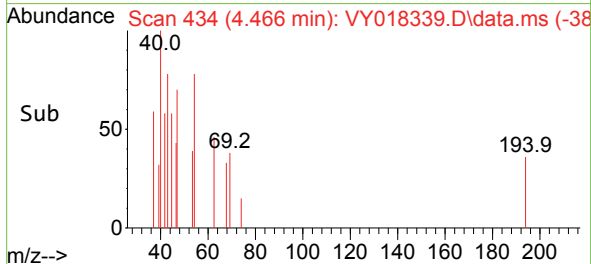
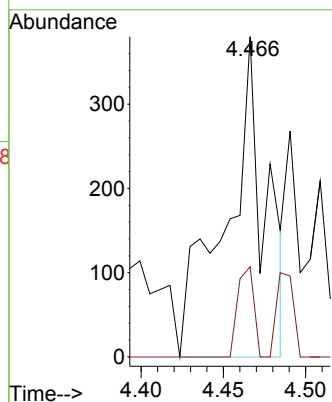
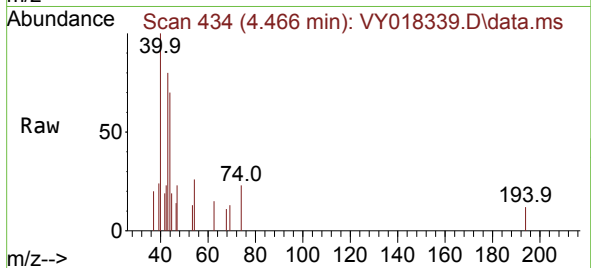
VOC-MH-AA

Tgt Ion: 43 Resp: 630

Ion Ratio Lower Upper

43 100

74 11.6 23.3 34.9#



#20

Methylene Chloride

Concen: 7.433 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.000 min

Lab File: VY018339.D

Acq: 20 May 2024 17:14

Tgt Ion: 84 Resp: 9979

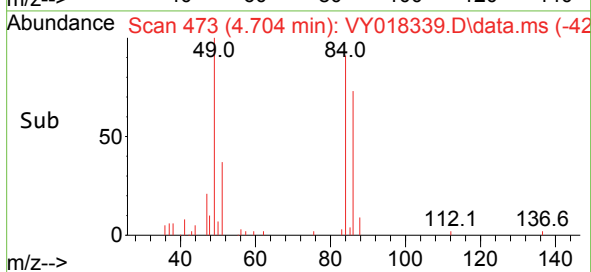
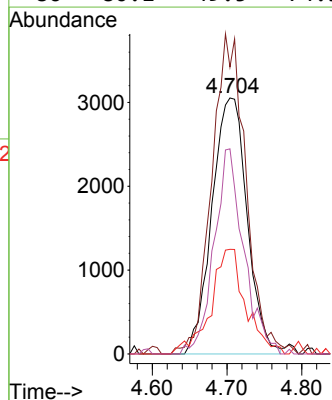
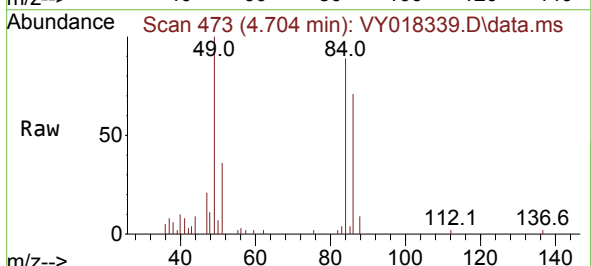
Ion Ratio Lower Upper

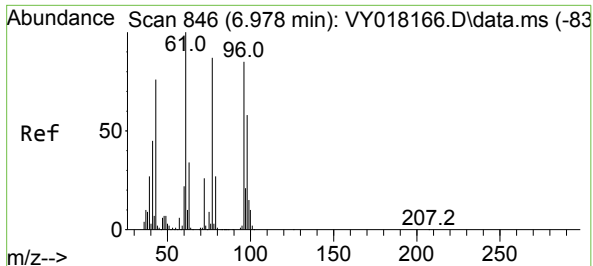
84 100

49 109.8 84.4 126.6

51 38.2 26.0 39.0

86 80.1 49.5 74.3#





#25

2-Butanone

Concen: 5.207 ug/l

RT: 6.984 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY018339.D

Acq: 20 May 2024 17:14

Instrument :

MSVOA_Y

ClientSampleId :

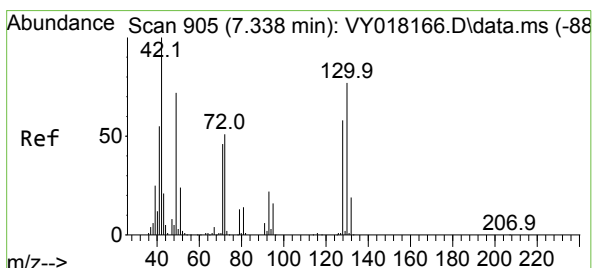
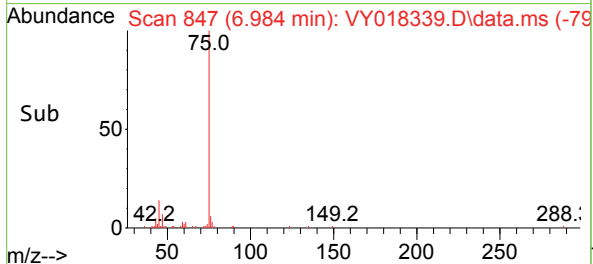
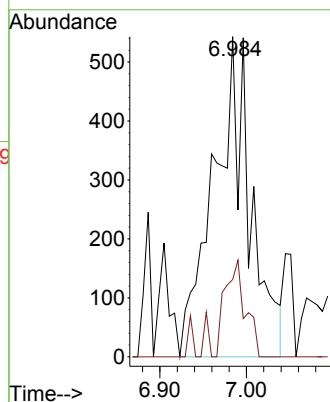
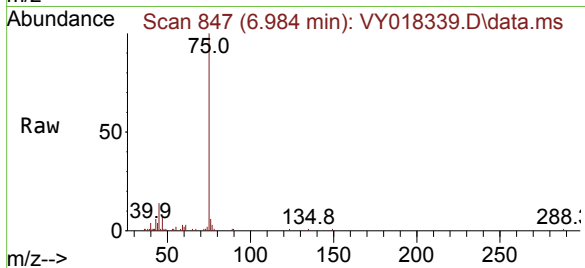
VOC-MH-AA

Tgt Ion: 43 Resp: 1581

Ion Ratio Lower Upper

43 100

72 28.7 27.3 40.9



#29

Tetrahydrofuran

Concen: 1.916 ug/l

RT: 7.332 min Scan# 904

Delta R.T. -0.006 min

Lab File: VY018339.D

Acq: 20 May 2024 17:14

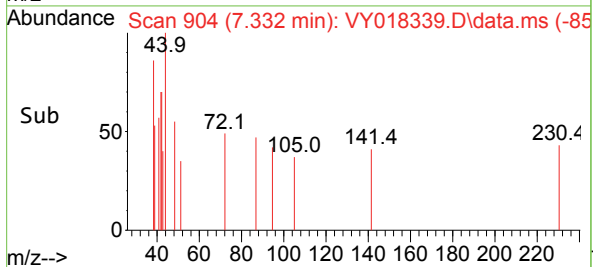
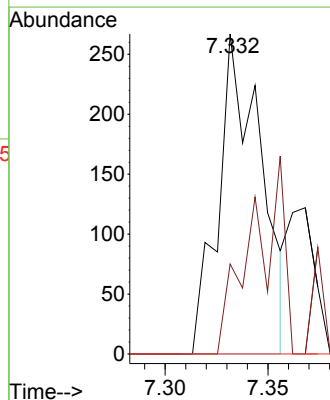
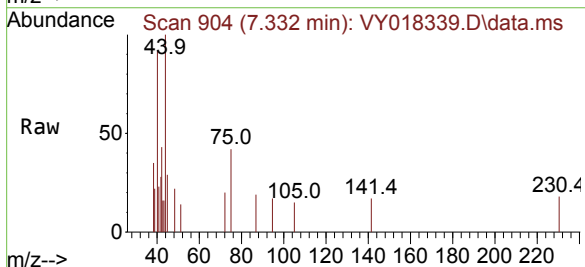
Tgt Ion: 42 Resp: 384

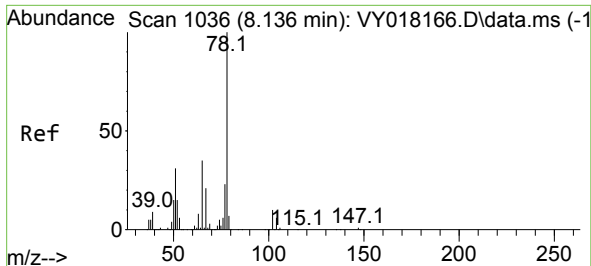
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

71 0.0 40.8 61.2#





#33

1,2-Dichloroethane-d4

Concen: 75.948 ug/l

RT: 8.130 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY018339.D

Acq: 20 May 2024 17:14

Instrument :

MSVOA_Y

ClientSampleId :

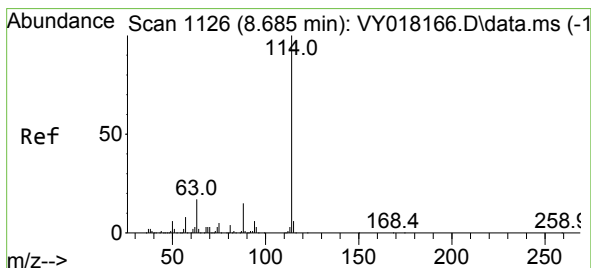
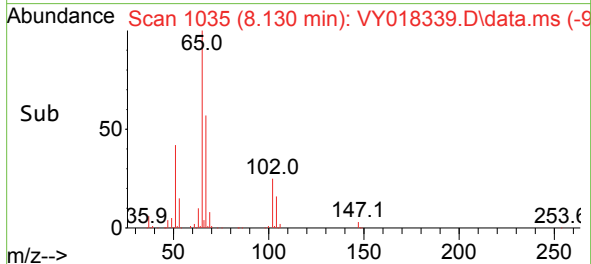
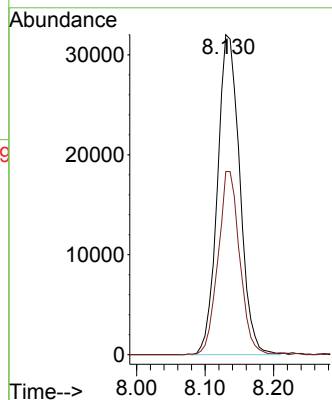
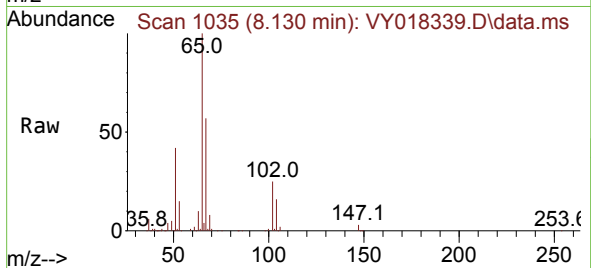
VOC-MH-AA

Tgt Ion: 65 Resp: 72289

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: VY018339.D

Acq: 20 May 2024 17:14

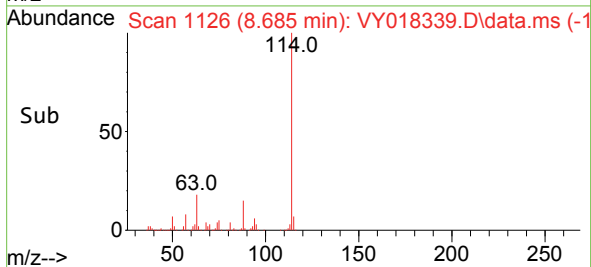
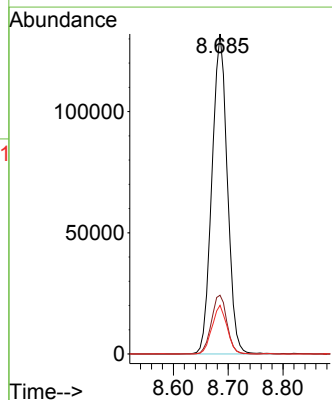
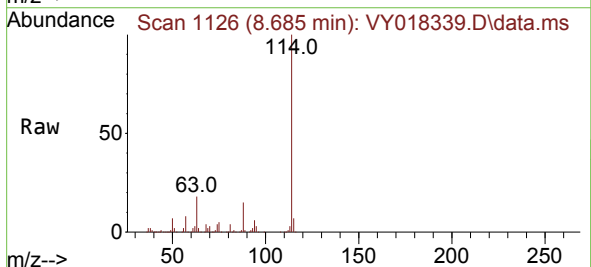
Tgt Ion: 114 Resp: 257129

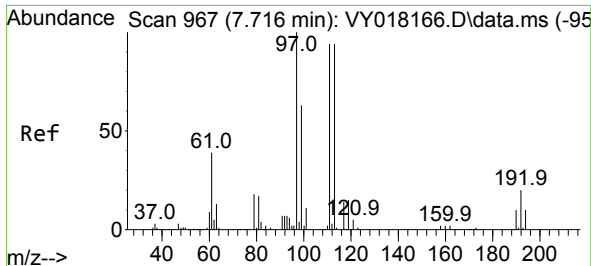
Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.0

88 15.2 0.0 27.2

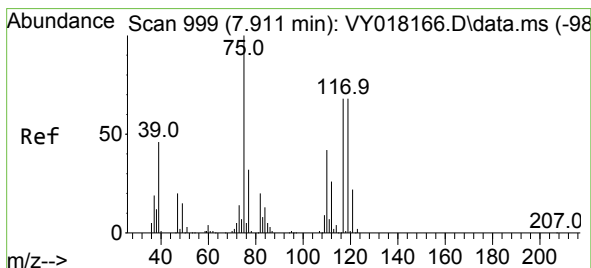
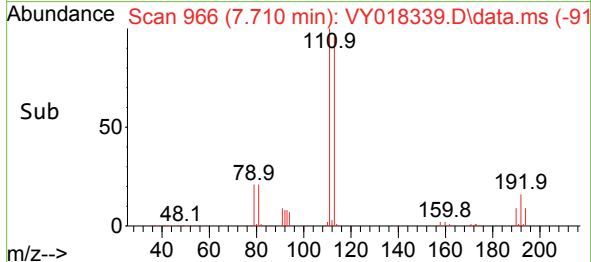
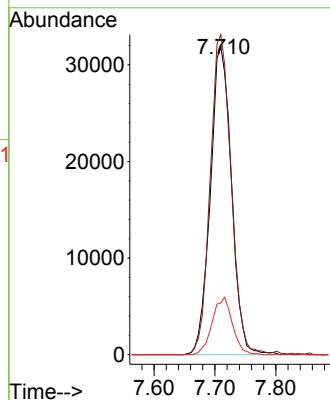
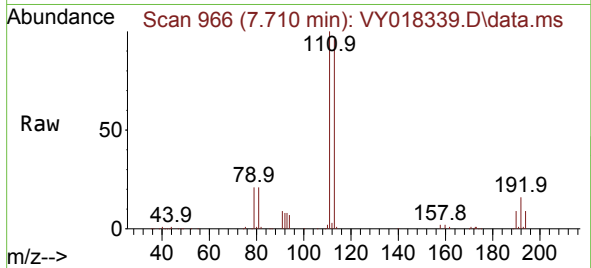




#35
Dibromofluoromethane
Concen: 56.979 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY018339.D
Acq: 20 May 2024 17:14

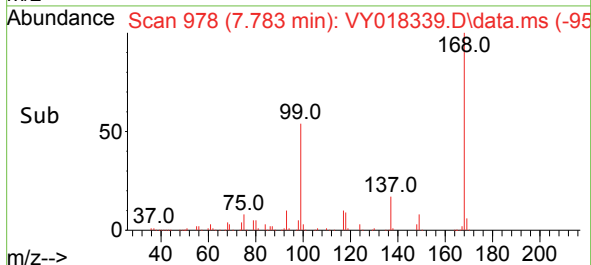
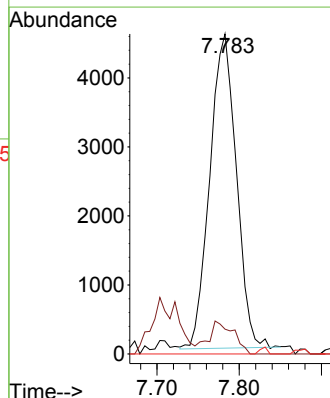
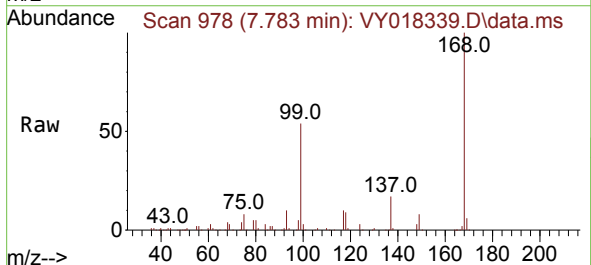
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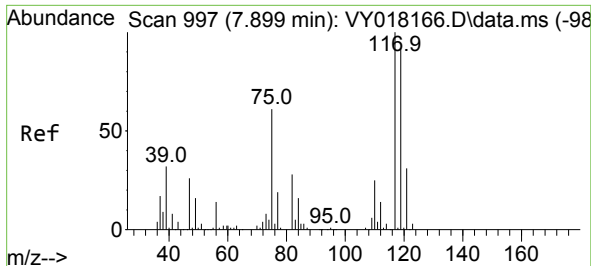
Tgt Ion:113 Resp: 76998
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.4
192 17.9 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.274 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY018339.D
Acq: 20 May 2024 17:14

Tgt Ion: 75 Resp: 10217
Ion Ratio Lower Upper
75 100
110 9.8 19.0 57.0#
77 0.0 25.3 37.9#

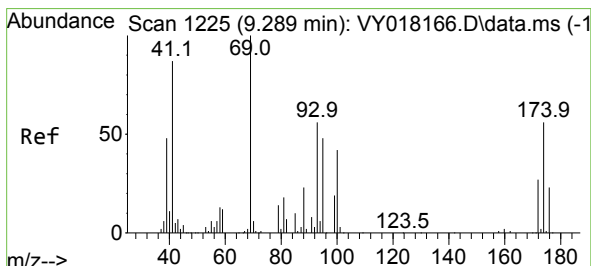
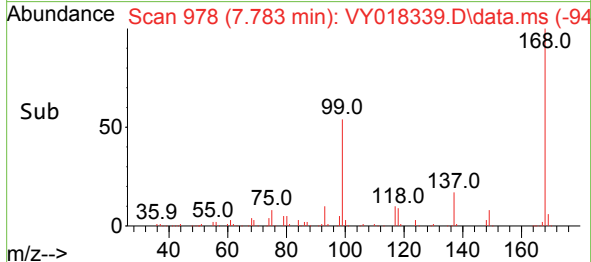
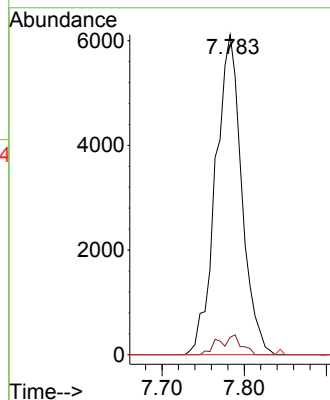
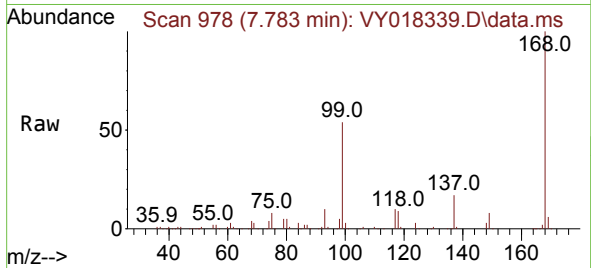




#38
Carbon Tetrachloride
Concen: 6.372 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY018339.D
Acq: 20 May 2024 17:14

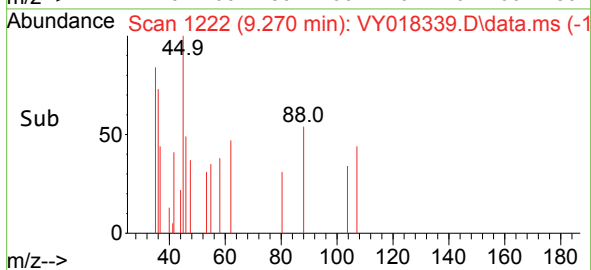
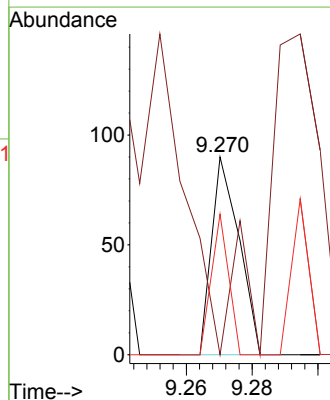
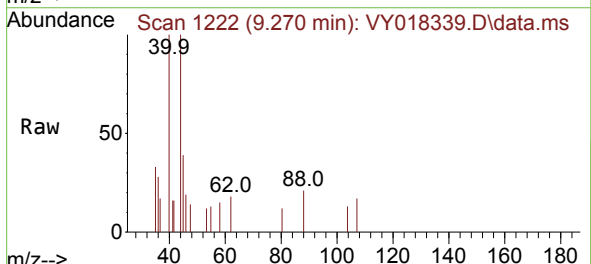
Instrument :
MSVOA_Y
ClientSampleId :
VOC-MH-AA

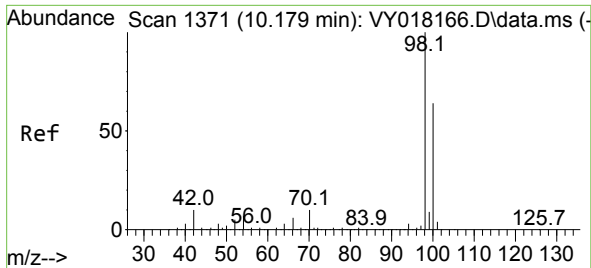
Tgt Ion:117 Resp: 13488
Ion Ratio Lower Upper
117 100
119 5.5 75.8 113.6#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 5.002 ug/l
RT: 9.270 min Scan# 1222
Delta R.T. -0.018 min
Lab File: VY018339.D
Acq: 20 May 2024 17:14

Tgt Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 44.2 49.3 73.9#

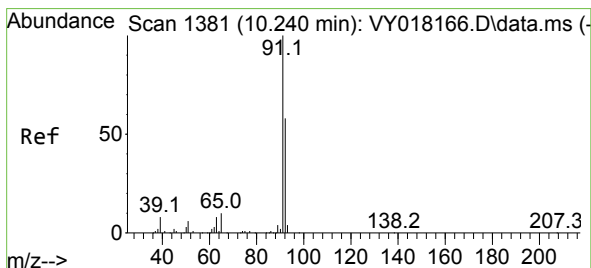
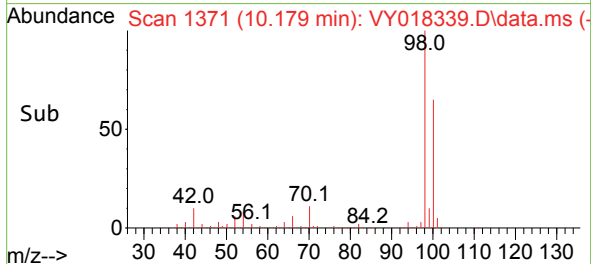
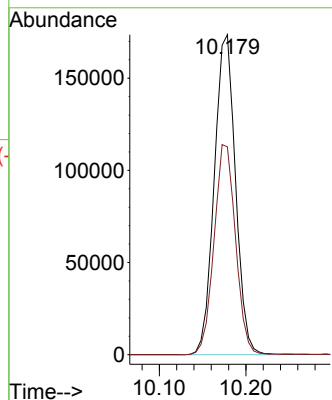
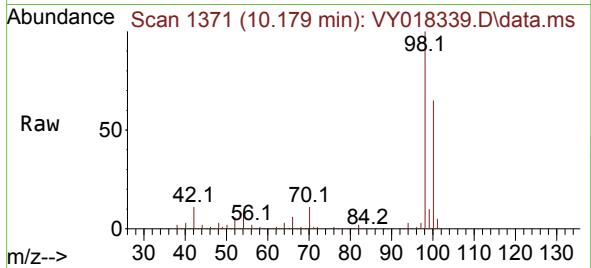




#50
Toluene-d8
Concen: 55.529 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY018339.D
Acq: 20 May 2024 17:14

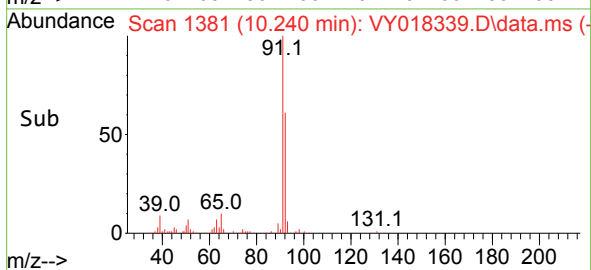
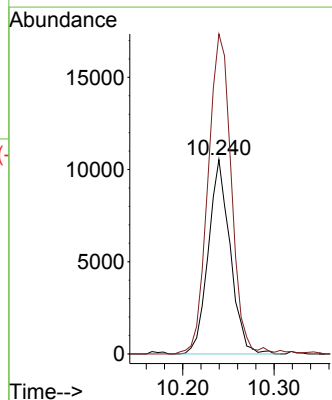
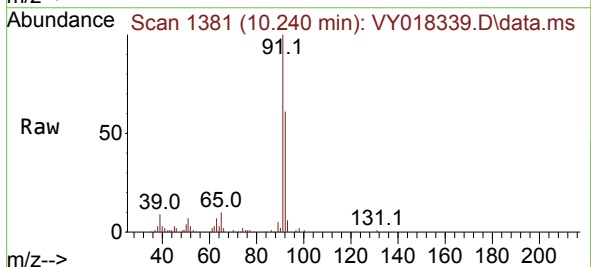
Instrument :
MSVOA_Y
ClientSampleId :
VOC-MH-AA

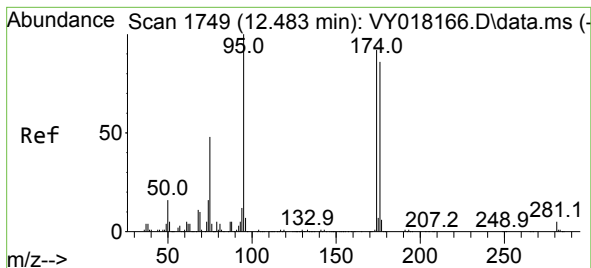
Tgt Ion: 98 Resp: 295695
Ion Ratio Lower Upper
98 100
100 66.6 52.0 78.0



#52
Toluene
Concen: 4.366 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY018339.D
Acq: 20 May 2024 17:14

Tgt Ion: 92 Resp: 17515
Ion Ratio Lower Upper
92 100
91 175.4 139.0 208.6

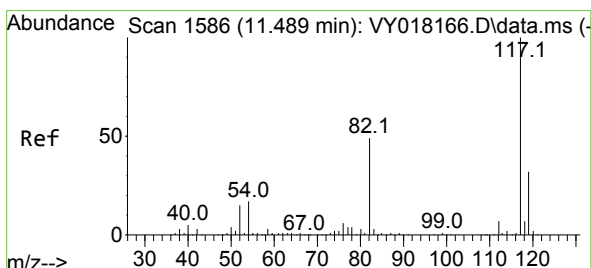
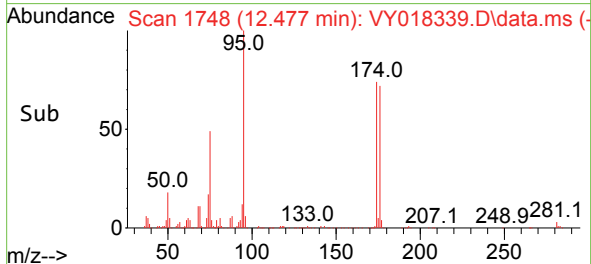
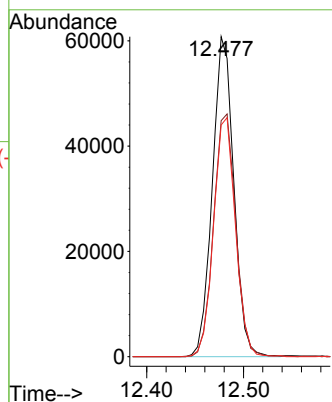
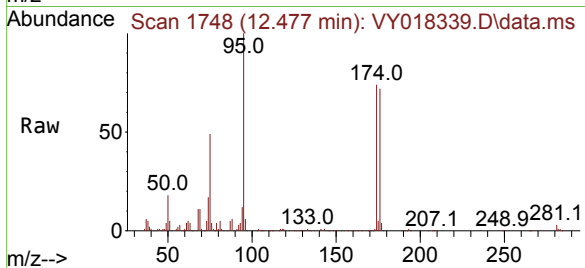




#62
4-Bromofluorobenzene
Concen: 54.374 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY018339.D
Acq: 20 May 2024 17:14

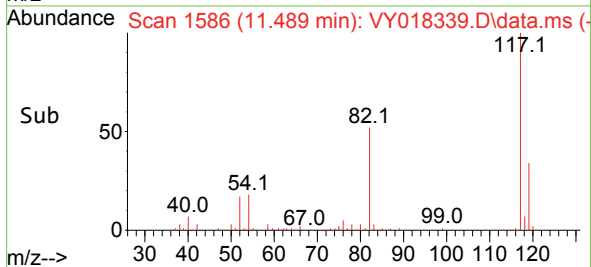
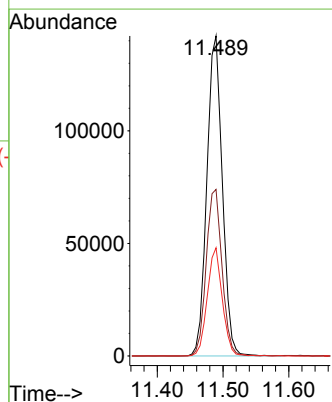
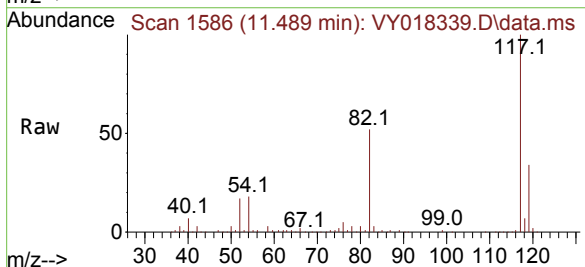
Instrument :
MSVOA_Y
ClientSampleId :
VOC-MH-AA

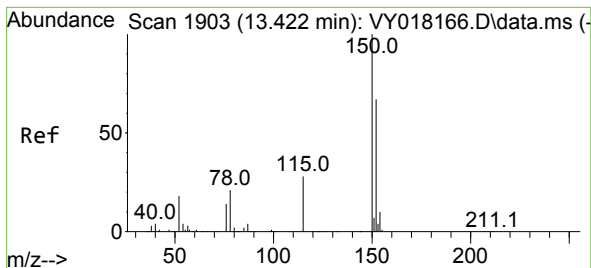
Tgt Ion: 95 Resp: 93507
Ion Ratio Lower Upper
95 100
174 78.8 0.0 175.6
176 76.3 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY018339.D
Acq: 20 May 2024 17:14

Tgt Ion: 117 Resp: 232744
Ion Ratio Lower Upper
117 100
82 52.0 42.4 63.6
119 33.8 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: VY018339.D

Acq: 20 May 2024 17:14

Instrument :

MSVOA_Y

ClientSampleId :

VOC-MH-AA

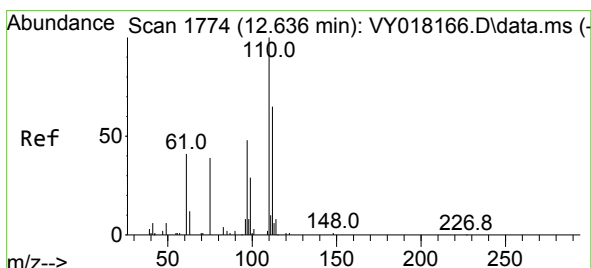
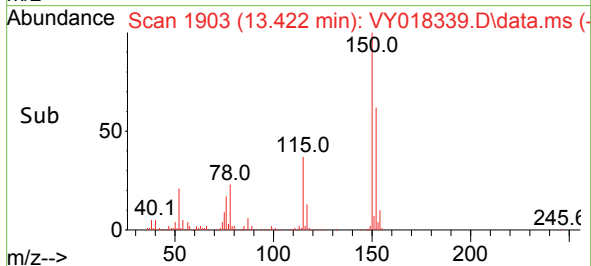
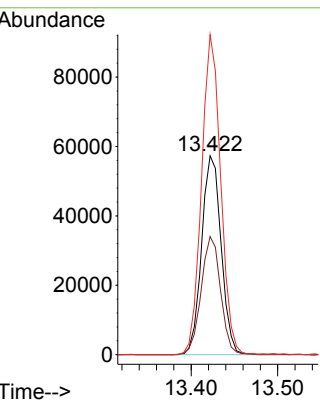
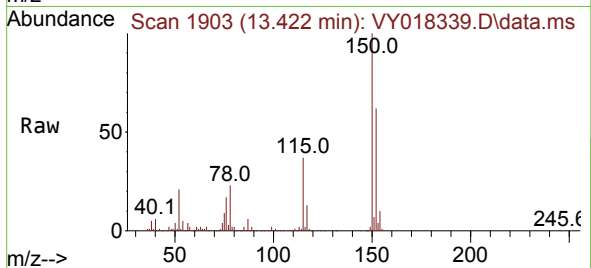
Tgt Ion:152 Resp: 89699

Ion Ratio Lower Upper

152 100

115 59.2 28.2 84.7

150 157.8 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 64.722 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.159 min

Lab File: VY018339.D

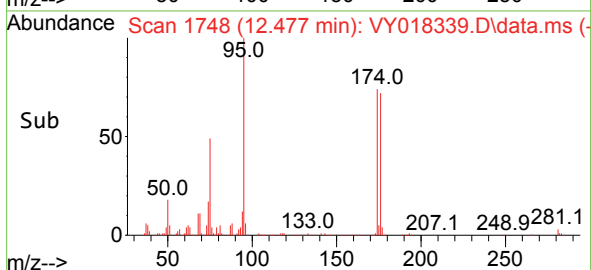
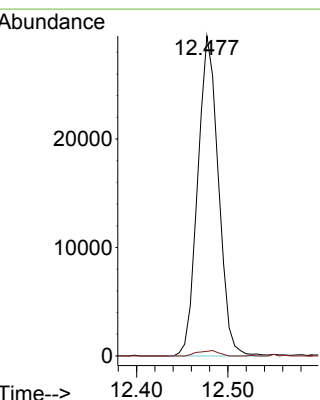
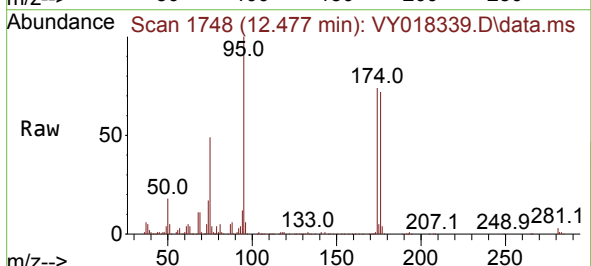
Acq: 20 May 2024 17:14

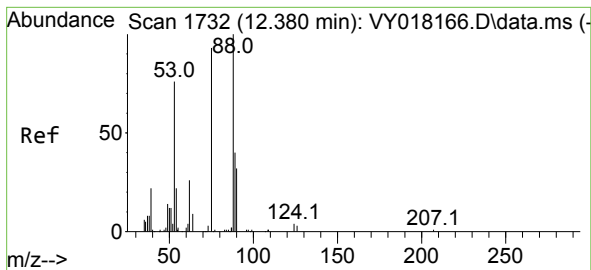
Tgt Ion: 75 Resp: 46469

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.697 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY018339.D
 Acq: 20 May 2024 17:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-MH-AA

Tgt Ion: 75 Resp: 46469
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.6 35.8 53.6#

