

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052024\
 Data File : VY018337.D
 Acq On : 20 May 2024 16:26
 Operator : SY/MD
 Sample : P2512-3
 Misc : 4.65g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WCS-TPJ-VOC

Quant Time: May 21 01:27:10 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)

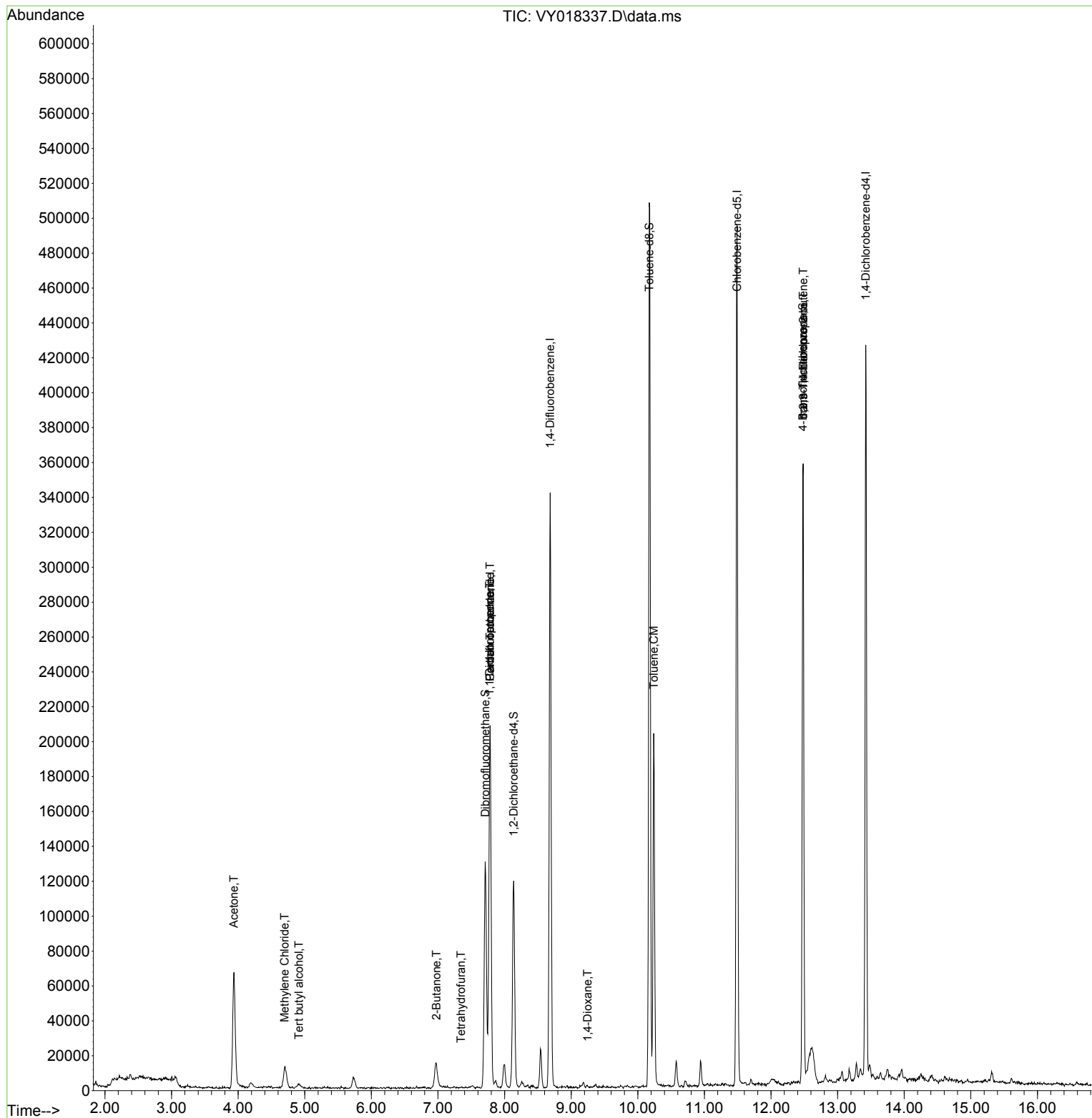
Internal Standards						
1) Pentafluorobenzene	7.783	168	162754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	304464	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	277801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	111425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	85471	71.385	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 142.760%	
35) Dibromofluoromethane	7.710	113	90070	56.290	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.580%	
50) Toluene-d8	10.173	98	348015	55.193	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 110.380%	
62) 4-Bromofluorobenzene	12.477	95	112048	55.026	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.060%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.911	59	1494	2.475	ug/l	99
13) Acrolein	3.692	56	24	Below Cal	#	1
16) Acetone	3.936	43	113297	474.167	ug/l	90
20) Methylene Chloride	4.698	84	9394	5.562	ug/l	92
25) 2-Butanone	6.978	43	940	2.461	ug/l #	60
29) Tetrahydrofuran	7.344	42	319	1.265	ug/l #	51
36) 1,1-Dichloropropene	7.777	75	12286	5.356	ug/l #	49
38) Carbon Tetrachloride	7.783	117	15860	6.328	ug/l #	17
49) 1,4-Dioxane	9.246	88	68	5.524	ug/l #	20
52) Toluene	10.240	92	85777	18.058	ug/l	97
76) 1,2,3-Trichloropropane	12.483	75	56639	63.505	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	56639	122.352	ug/l #	16

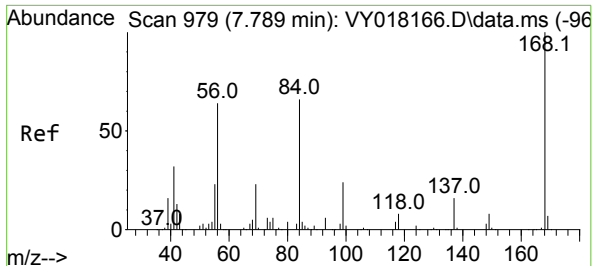
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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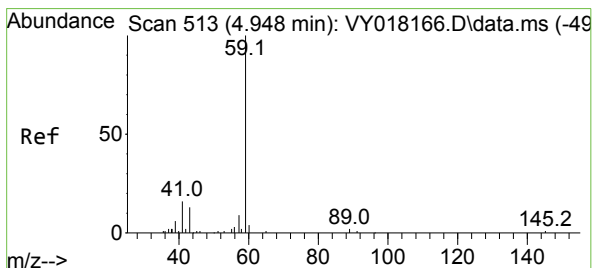
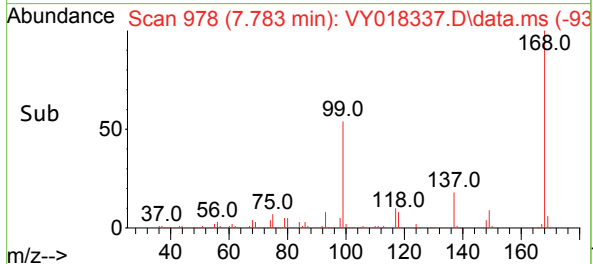
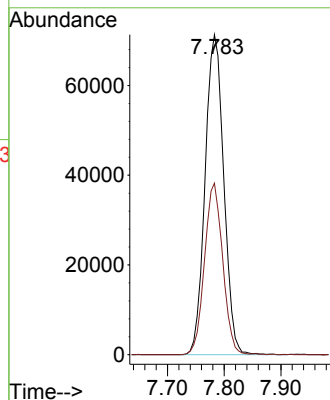
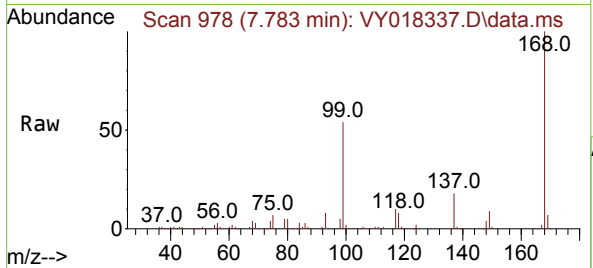




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018337.D
Acq: 20 May 2024 16:26

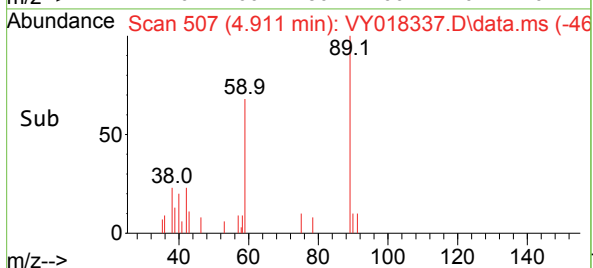
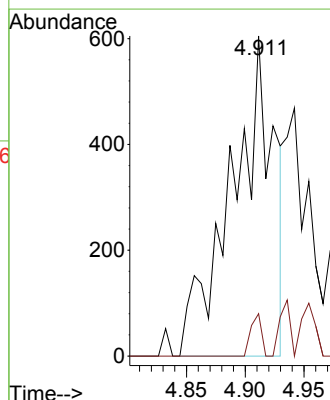
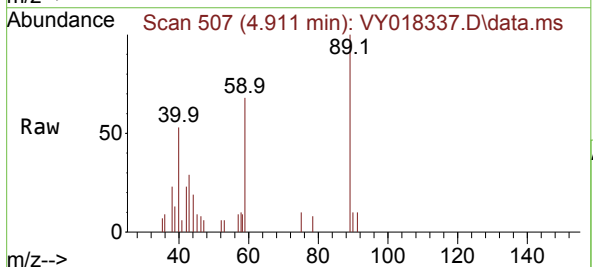
Instrument :
MSVOA_Y
ClientSampleId :
WCS-TPJ-VOC

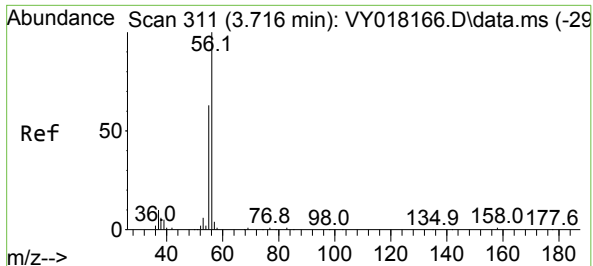
Tgt Ion:168 Resp: 162754
Ion Ratio Lower Upper
168 100
99 53.6 39.1 58.7



#11
Tert butyl alcohol
Concen: 2.475 ug/l
RT: 4.911 min Scan# 507
Delta R.T. -0.037 min
Lab File: VY018337.D
Acq: 20 May 2024 16:26

Tgt Ion: 59 Resp: 1494
Ion Ratio Lower Upper
59 100
57 3.3 3.0 4.6

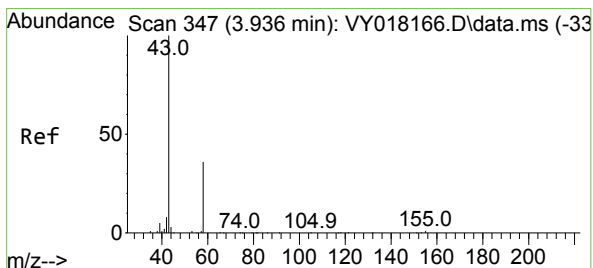
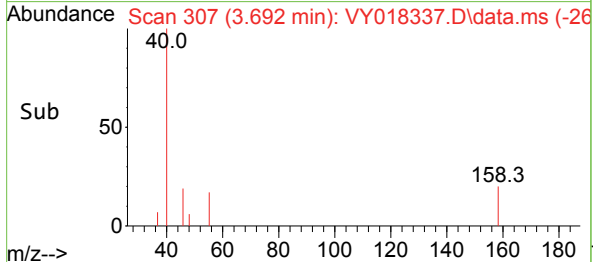
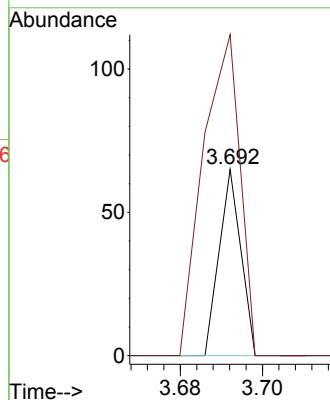
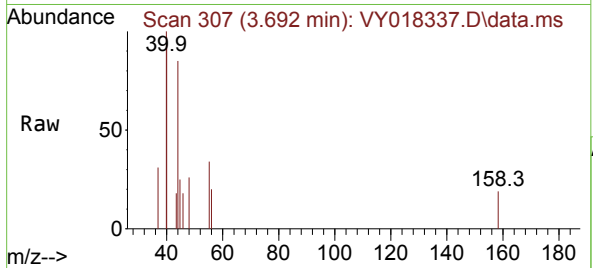




#13
Acrolein
Concen: Below Cal
RT: 3.692 min Scan# 307
Delta R.T. -0.024 min
Lab File: VY018337.D
Acq: 20 May 2024 16:26

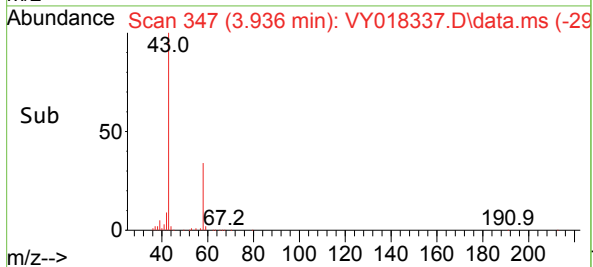
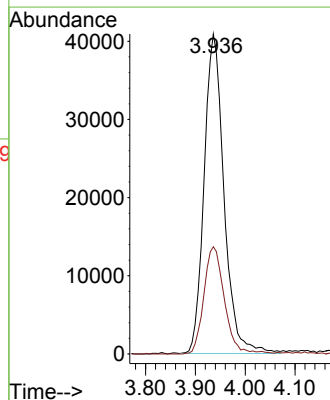
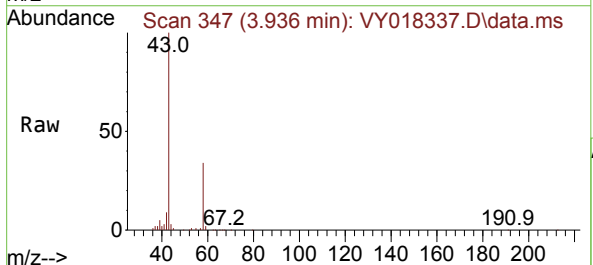
Instrument :
MSVOA_Y
ClientSampleId :
WCS-TPJ-VOC

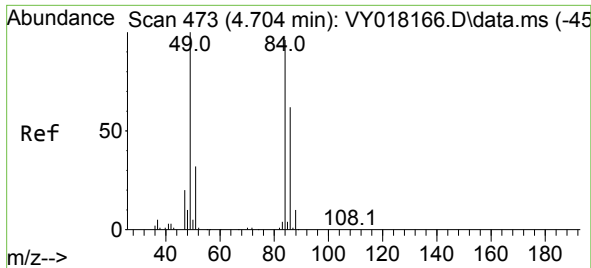
Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 291.7 55.7 83.5#



#16
Acetone
Concen: 474.167 ug/l
RT: 3.936 min Scan# 347
Delta R.T. 0.000 min
Lab File: VY018337.D
Acq: 20 May 2024 16:26

Tgt Ion: 43 Resp: 113297
Ion Ratio Lower Upper
43 100
58 33.6 31.7 47.5

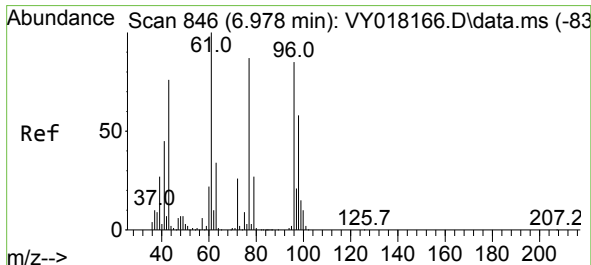
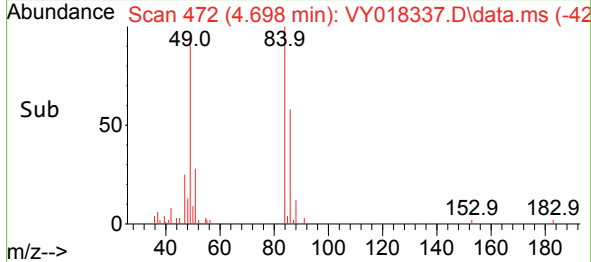
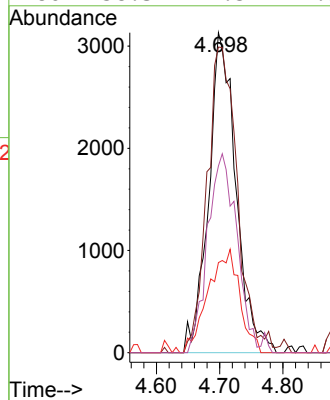
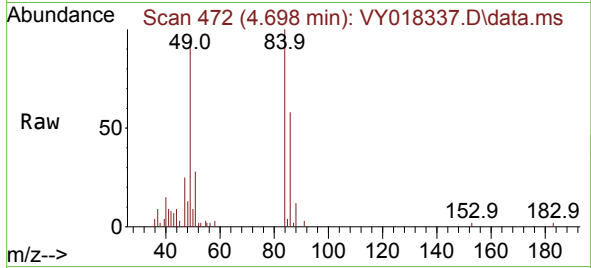




#20
Methylene Chloride
Concen: 5.562 ug/l
RT: 4.698 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY018337.D
Acq: 20 May 2024 16:26

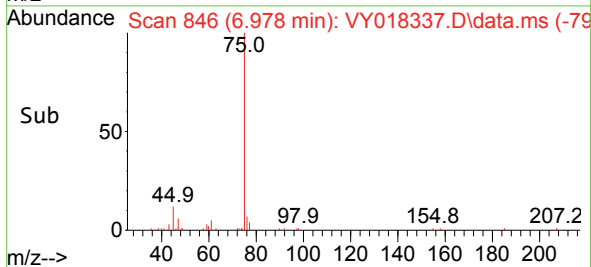
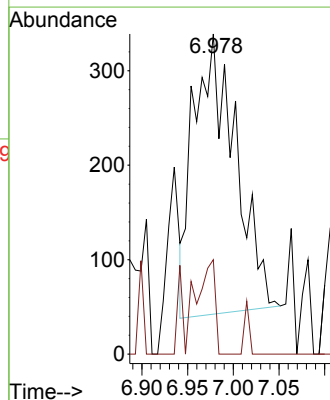
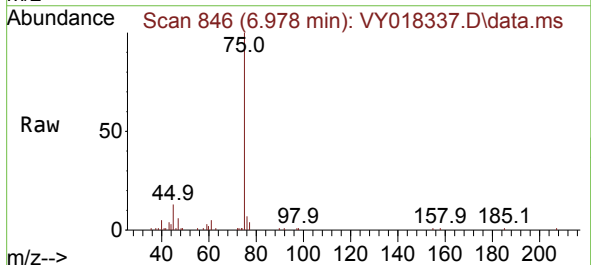
Instrument :
MSVOA_Y
ClientSampleId :
WCS-TPJ-VOC

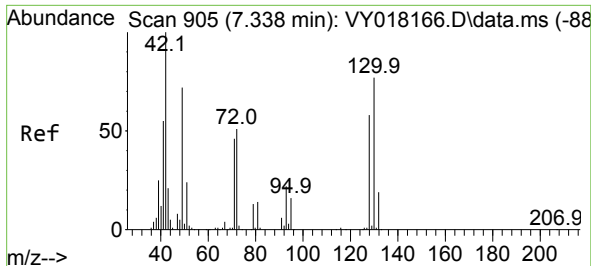
Tgt Ion: 84	Resp:	9394	
Ion	Ratio	Lower	Upper
84	100		
49	95.5	84.4	126.6
51	28.1	26.0	39.0
86	58.3	49.5	74.3



#25
2-Butanone
Concen: 2.461 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY018337.D
Acq: 20 May 2024 16:26

Tgt Ion: 43	Resp:	940	
Ion	Ratio	Lower	Upper
43	100		
72	57.3	27.3	40.9#





#29

Tetrahydrofuran

Concen: 1.265 ug/l

RT: 7.344 min Scan# 905

Delta R.T. 0.006 min

Lab File: VY018337.D

Acq: 20 May 2024 16:26

Instrument :

MSVOA_Y

ClientSampleId :

WCS-TPJ-VOC

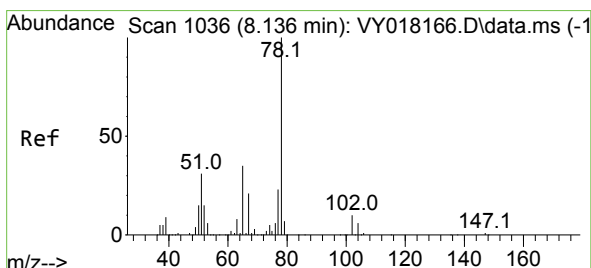
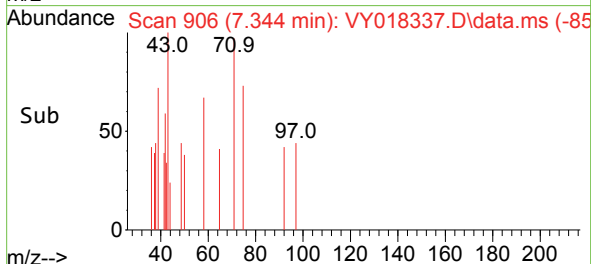
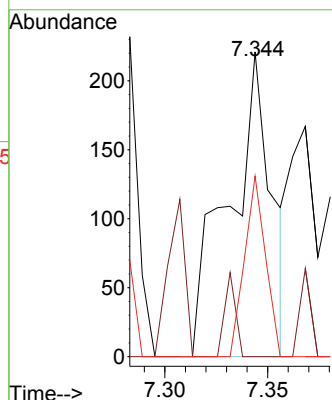
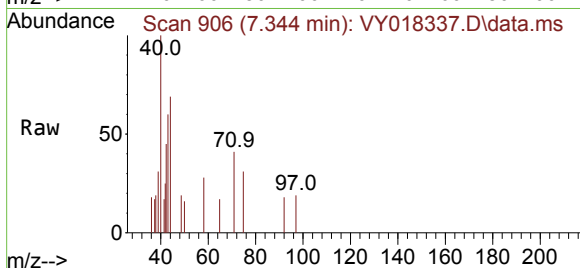
Tgt Ion: 42 Resp: 319

Ion Ratio Lower Upper

42 100

72 6.9 43.0 64.4#

71 29.2 40.8 61.2#



#33

1,2-Dichloroethane-d4

Concen: 71.385 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY018337.D

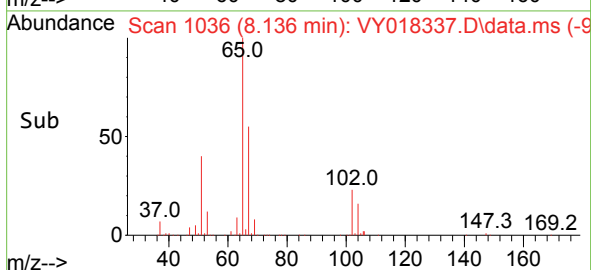
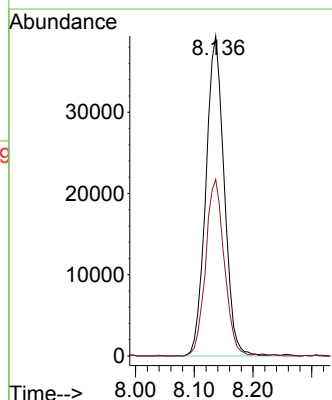
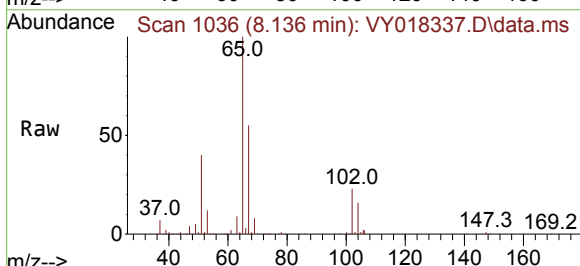
Acq: 20 May 2024 16:26

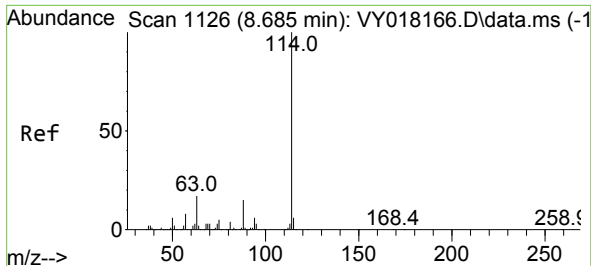
Tgt Ion: 65 Resp: 85471

Ion Ratio Lower Upper

65 100

67 56.2 0.0 109.6

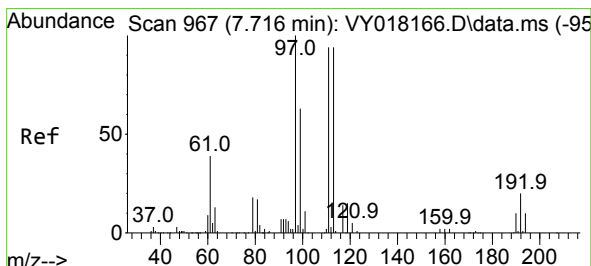
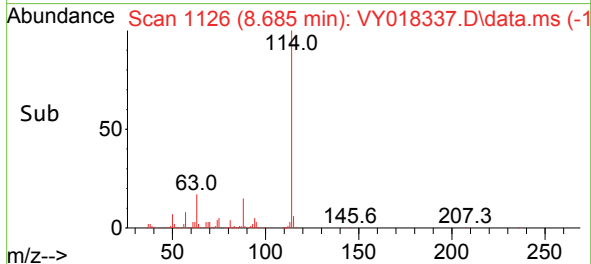
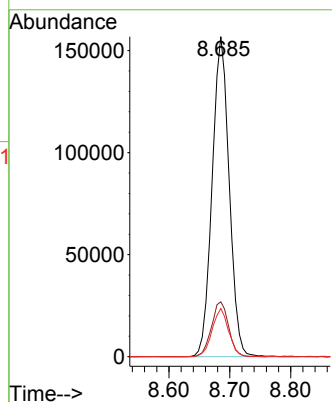
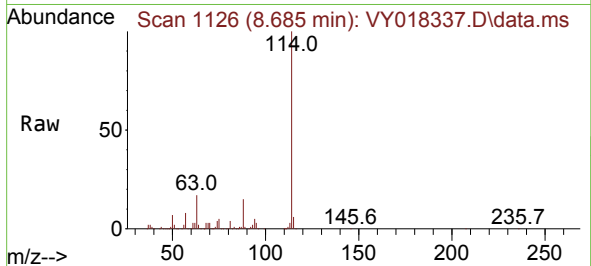




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY018337.D
Acq: 20 May 2024 16:26

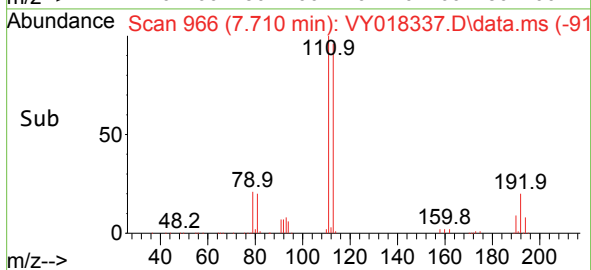
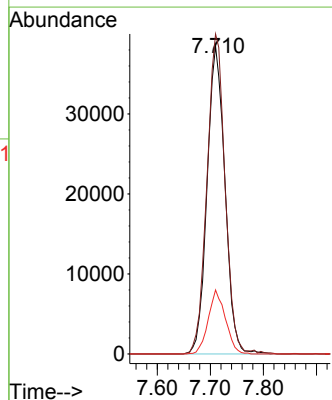
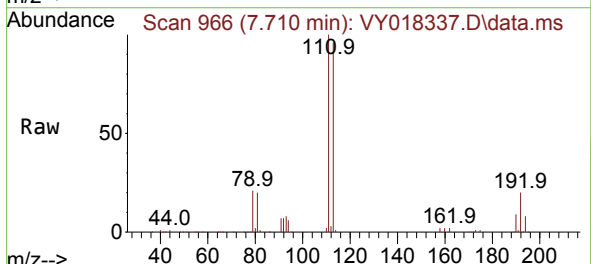
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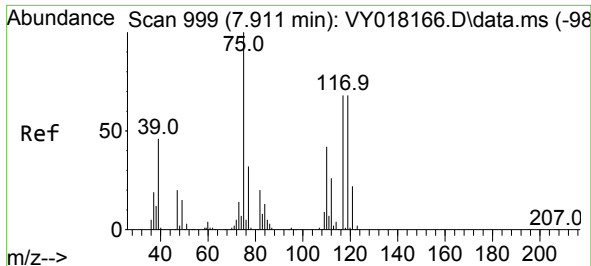
Tgt Ion:114 Resp: 304464
Ion Ratio Lower Upper
114 100
63 17.1 0.0 35.0
88 15.0 0.0 27.2



#35
Dibromofluoromethane
Concen: 56.290 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY018337.D
Acq: 20 May 2024 16:26

Tgt Ion:113 Resp: 90070
Ion Ratio Lower Upper
113 100
111 105.4 82.2 123.4
192 20.0 15.9 23.9

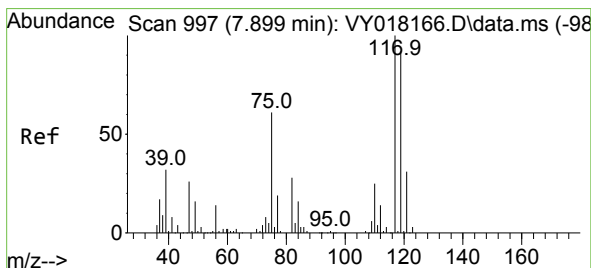
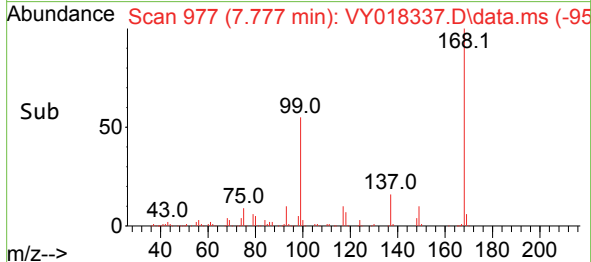
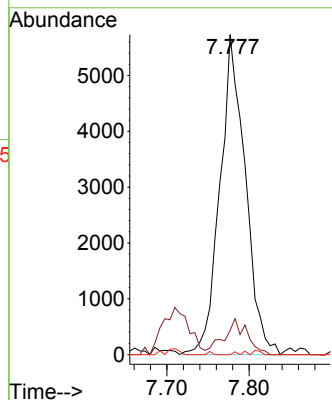
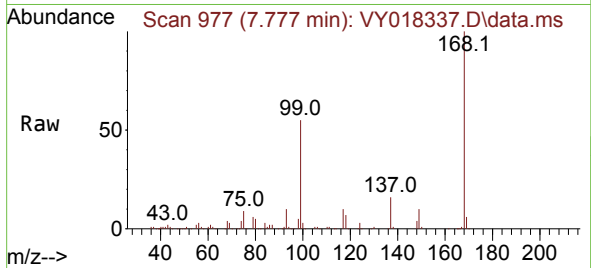




#36
1,1-Dichloropropene
Concen: 5.356 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY018337.D
Acq: 20 May 2024 16:26

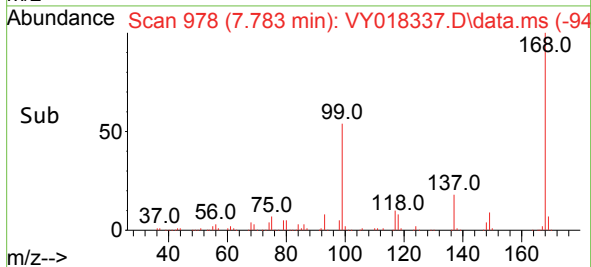
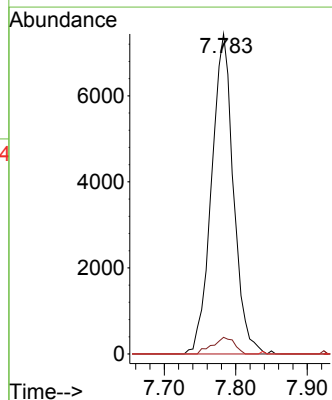
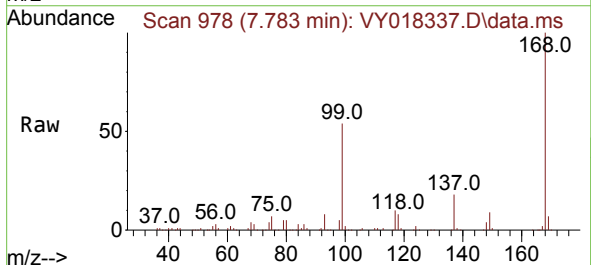
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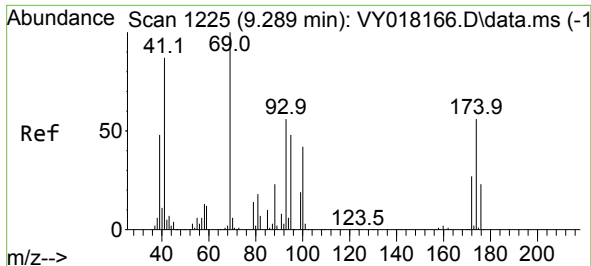
Tgt Ion: 75 Resp: 12286
Ion Ratio Lower Upper
75 100
110 10.3 19.0 57.0#
77 0.2 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.328 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY018337.D
Acq: 20 May 2024 16:26

Tgt Ion: 117 Resp: 15860
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: 5.524 ug/l

RT: 9.246 min Scan# 1218

Delta R.T. -0.043 min

Lab File: VY018337.D

Acq: 20 May 2024 16:26

Instrument :

MSVOA_Y

ClientSampleId :

WCS-TPJ-VOC

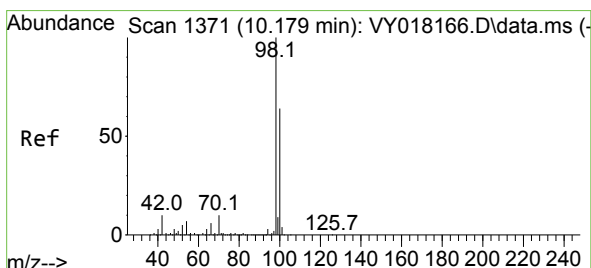
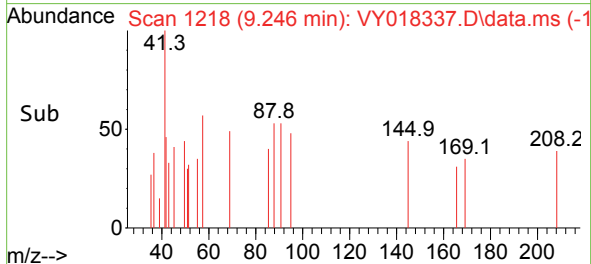
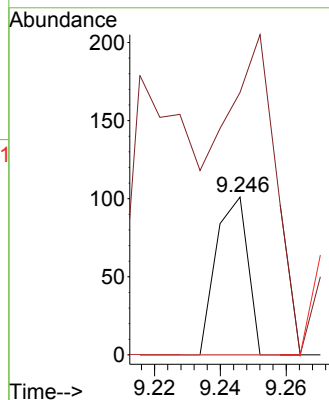
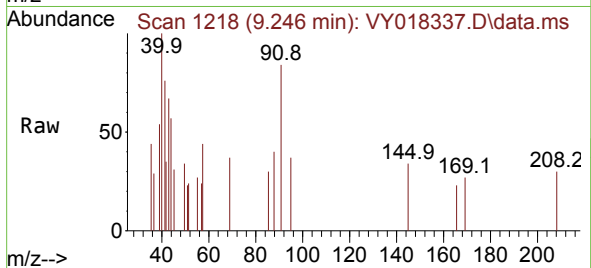
Tgt Ion: 88 Resp: 68

Ion Ratio Lower Upper

88 100

43 330.9 0.0 0.0#

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 55.193 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. -0.006 min

Lab File: VY018337.D

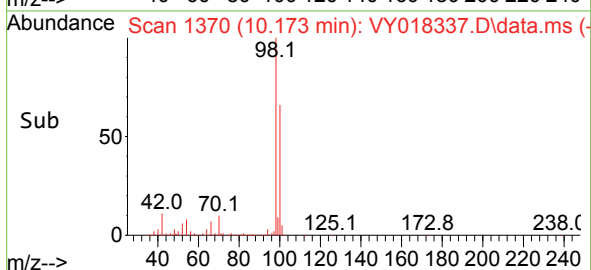
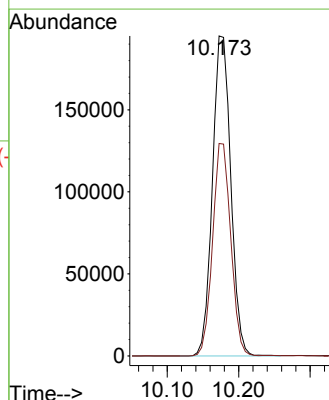
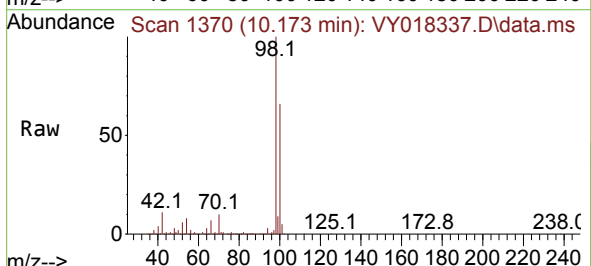
Acq: 20 May 2024 16:26

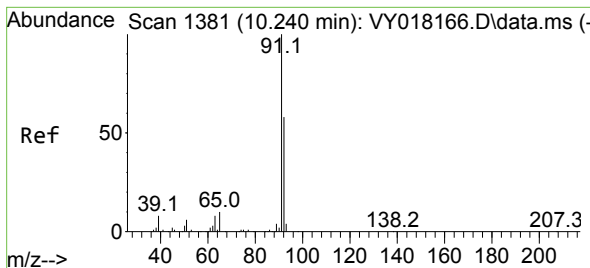
Tgt Ion: 98 Resp: 348015

Ion Ratio Lower Upper

98 100

100 65.6 52.0 78.0





#52

Toluene

Concen: 18.058 ug/l

RT: 10.240 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY018337.D

Acq: 20 May 2024 16:26

Instrument :

MSVOA_Y

ClientSampleId :

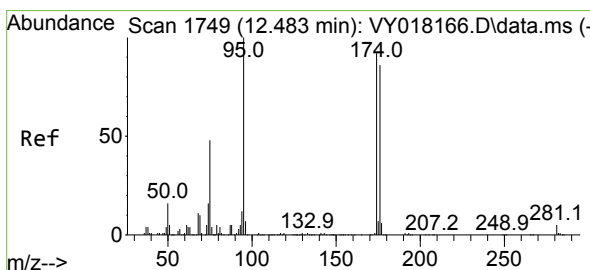
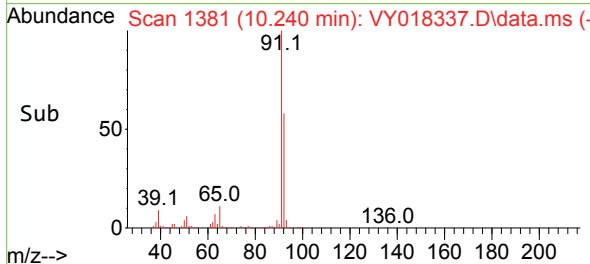
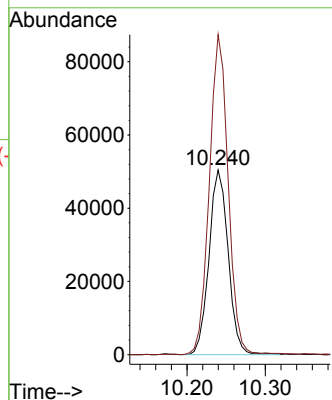
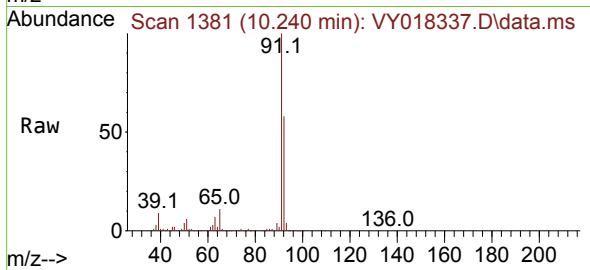
WCS-TPJ-VOC

Tgt Ion: 92 Resp: 85777

Ion Ratio Lower Upper

92 100

91 169.8 139.0 208.6



#62

4-Bromofluorobenzene

Concen: 55.026 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY018337.D

Acq: 20 May 2024 16:26

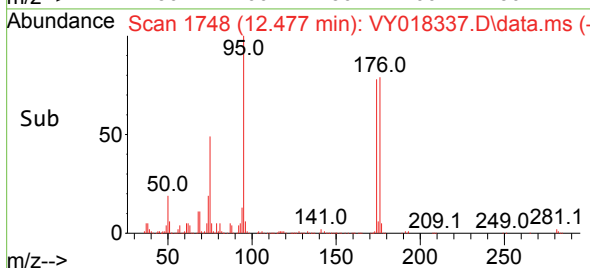
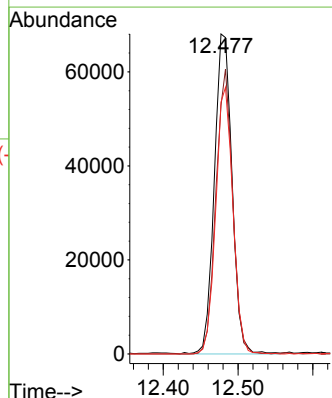
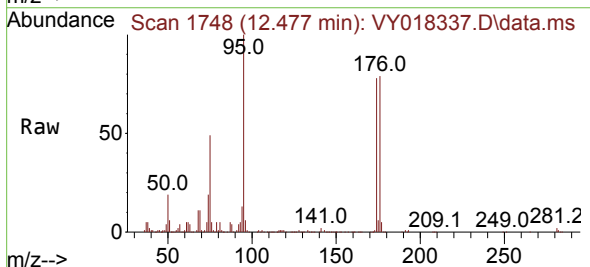
Tgt Ion: 95 Resp: 112048

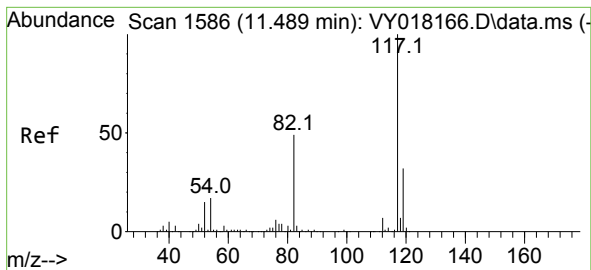
Ion Ratio Lower Upper

95 100

174 83.9 0.0 175.6

176 80.8 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY018337.D

Acq: 20 May 2024 16:26

Instrument :

MSVOA_Y

ClientSampleId :

WCS-TPJ-VOC

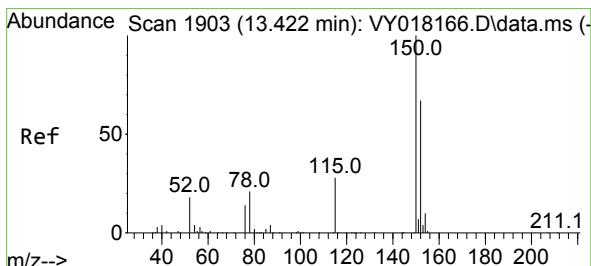
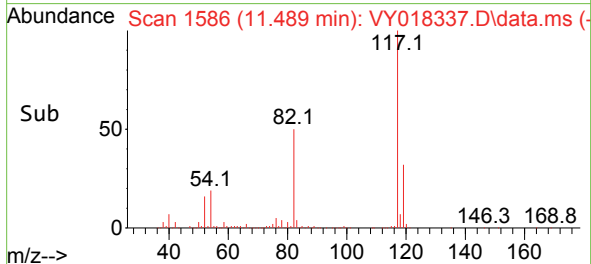
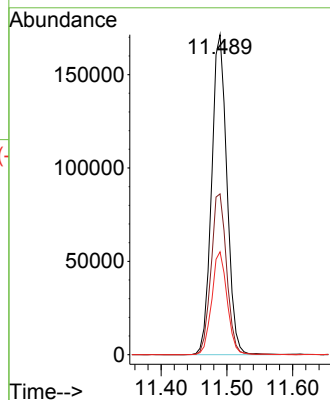
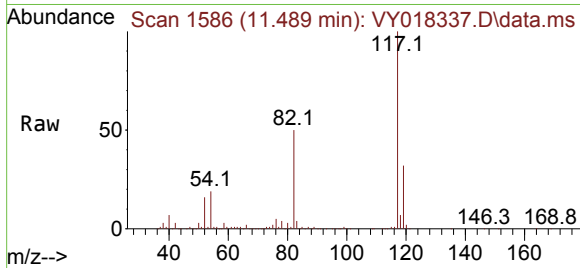
Tgt Ion:117 Resp: 277801

Ion Ratio Lower Upper

117 100

82 50.3 42.4 63.6

119 32.2 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: VY018337.D

Acq: 20 May 2024 16:26

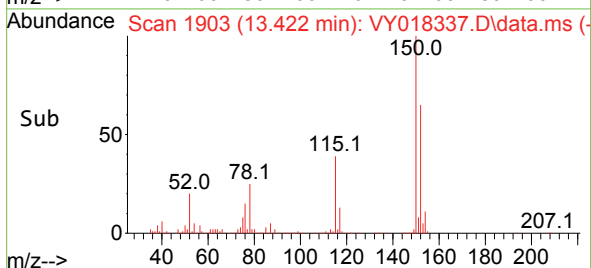
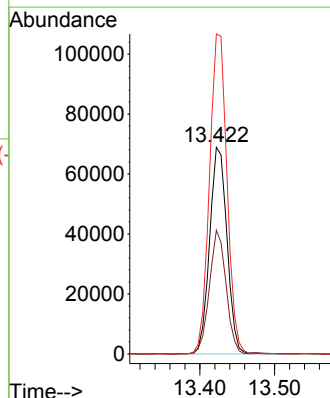
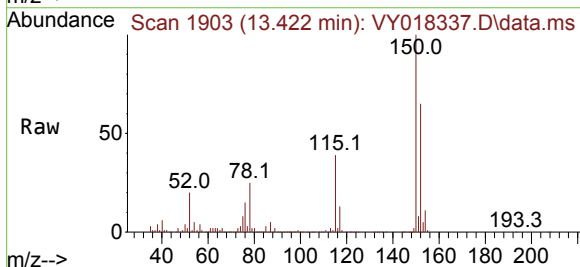
Tgt Ion:152 Resp: 111425

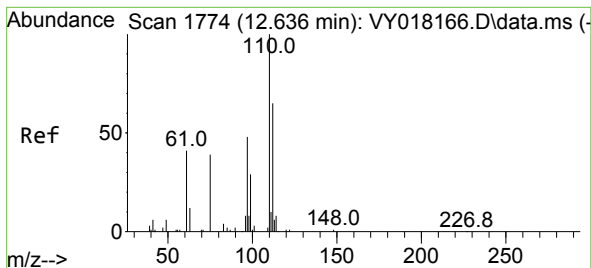
Ion Ratio Lower Upper

152 100

115 57.4 28.2 84.7

150 155.9 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 63.505 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY018337.D

Acq: 20 May 2024 16:26

Instrument :

MSVOA_Y

ClientSampleId :

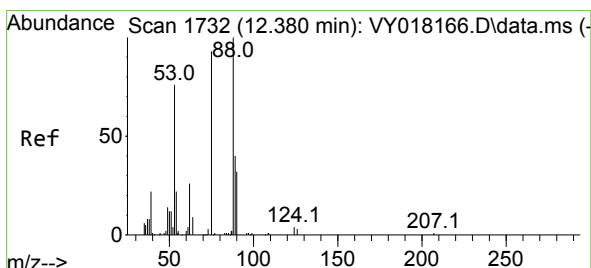
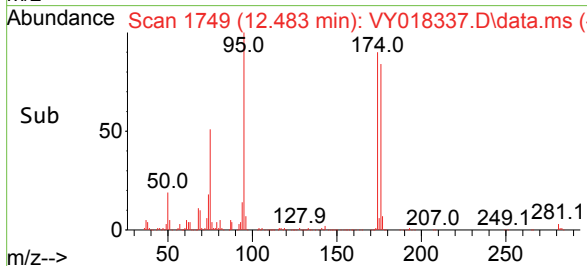
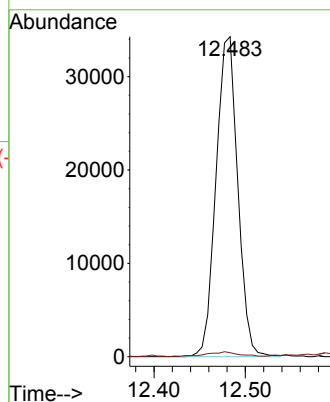
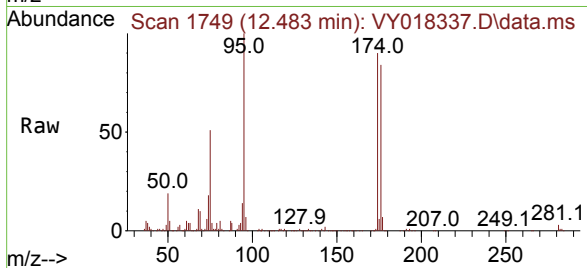
WCS-TPJ-VOC

Tgt Ion: 75 Resp: 56639

Ion Ratio Lower Upper

75 100

77 2.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 122.352 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY018337.D

Acq: 20 May 2024 16:26

Tgt Ion: 75 Resp: 56639

Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

89 0.2 35.8 53.6#

