

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052024\
 Data File : VY018338.D
 Acq On : 20 May 2024 16:50
 Operator : SY/MD
 Sample : P2512-07
 Misc : 5.78g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WCS-TPI-VOC

Quant Time: May 21 01:27:37 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)

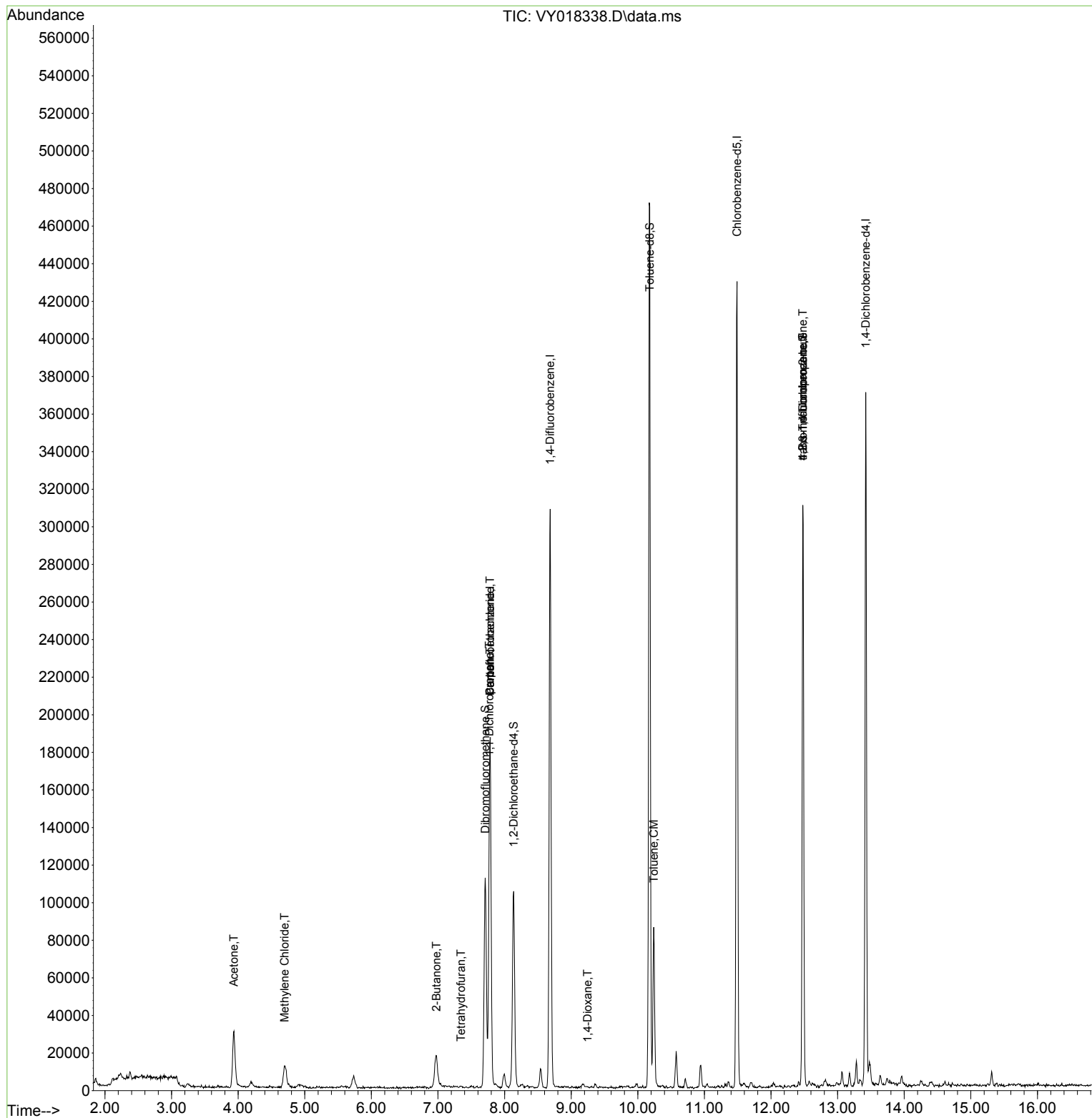
Internal Standards						
1) Pentafluorobenzene	7.783	168	144660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	273637	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	241680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	93346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	72642	68.259	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 136.520%			
35) Dibromofluoromethane	7.710	113	80290	55.831	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.660%			
50) Toluene-d8	10.179	98	314250	55.453	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.900%			
62) 4-Bromofluorobenzene	12.477	95	95905	52.404	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.800%			
Target Compounds						
13) Acrolein	3.710	56	116	Below Cal	#	1
16) Acetone	3.936	43	51711	243.489	ug/l	94
20) Methylene Chloride	4.698	84	9472	6.310	ug/l	90
25) 2-Butanone	6.978	43	3629	10.690	ug/l	94
29) Tetrahydrofuran	7.344	42	395	1.763	ug/l	# 62
31) Cyclohexane	7.777	56	3971	Below Cal	#	18
36) 1,1-Dichloropropene	7.771	75	12037	5.839	ug/l	# 49
38) Carbon Tetrachloride	7.783	117	15114	6.709	ug/l	# 16
49) 1,4-Dioxane	9.246	88	23	2.079	ug/l	# 20
52) Toluene	10.240	92	36603	8.574	ug/l	98
76) 1,2,3-Trichloropropane	12.477	75	48636	65.093	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	48636	125.413	ug/l	# 16

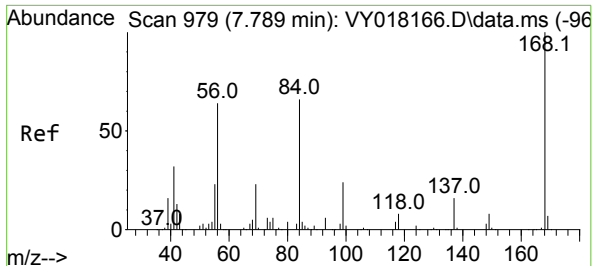
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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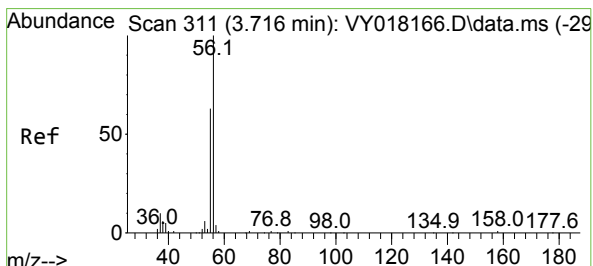
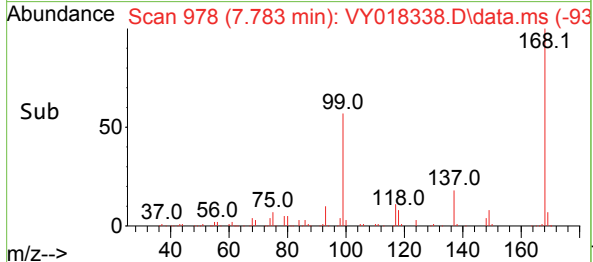
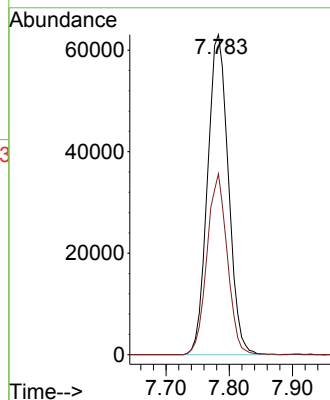
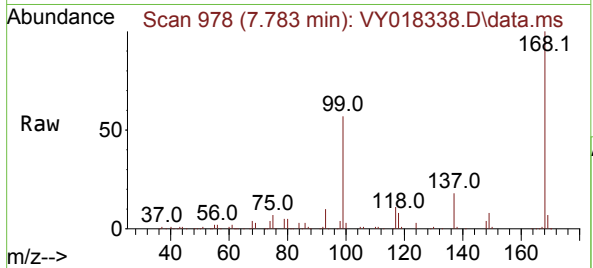




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018338.D
Acq: 20 May 2024 16:50

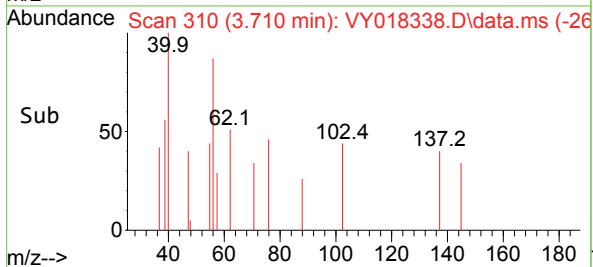
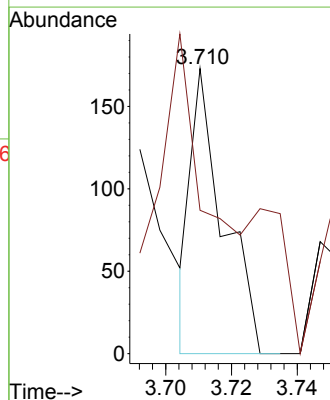
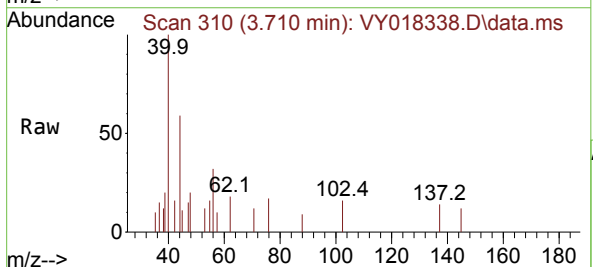
Instrument :
MSVOA_Y
ClientSampleId :
WCS-TPI-VOC

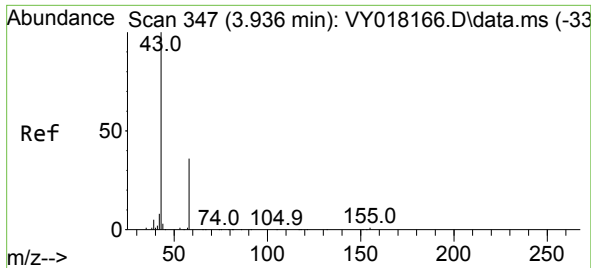
Tgt Ion:168 Resp: 144660
Ion Ratio Lower Upper
168 100
99 56.6 39.1 58.7



#13
Acrolein
Concen: Below Cal
RT: 3.710 min Scan# 310
Delta R.T. -0.006 min
Lab File: VY018338.D
Acq: 20 May 2024 16:50

Tgt Ion: 56 Resp: 116
Ion Ratio Lower Upper
56 100
55 295.7 55.7 83.5#





#16

Acetone

Concen: 243.489 ug/l

RT: 3.936 min Scan# 347

Delta R.T. 0.000 min

Lab File: VY018338.D

Acq: 20 May 2024 16:50

Instrument :

MSVOA_Y

ClientSampleId :

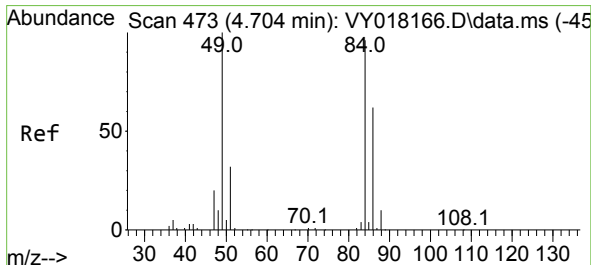
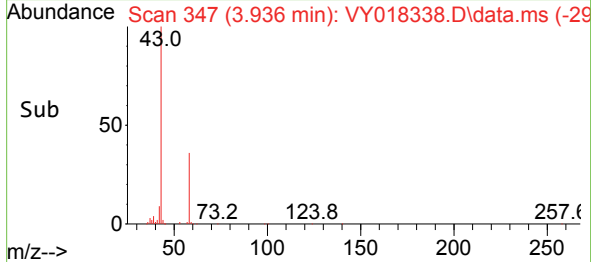
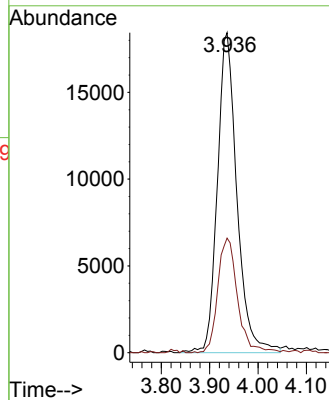
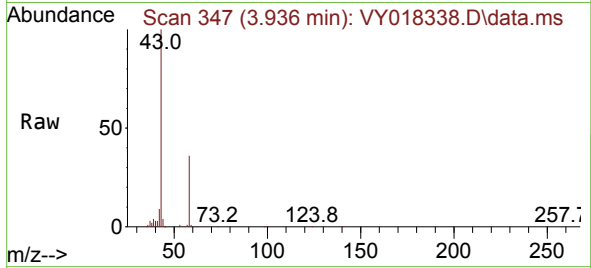
WCS-TPI-VOC

Tgt Ion: 43 Resp: 51711

Ion Ratio Lower Upper

43 100

58 35.8 31.7 47.5



#20

Methylene Chloride

Concen: 6.310 ug/l

RT: 4.698 min Scan# 472

Delta R.T. -0.006 min

Lab File: VY018338.D

Acq: 20 May 2024 16:50

Tgt Ion: 84 Resp: 9472

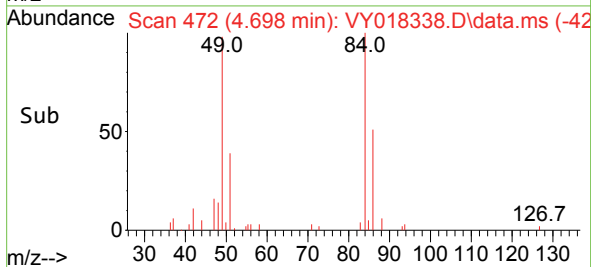
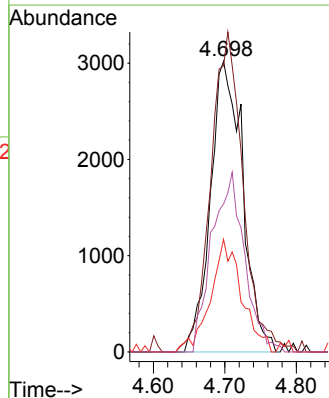
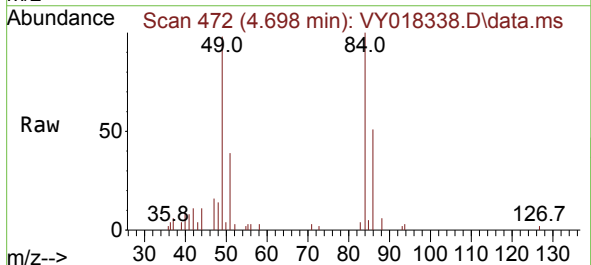
Ion Ratio Lower Upper

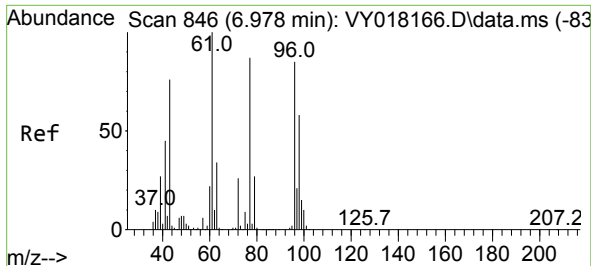
84 100

49 96.6 84.4 126.6

51 36.7 26.0 39.0

86 50.9 49.5 74.3

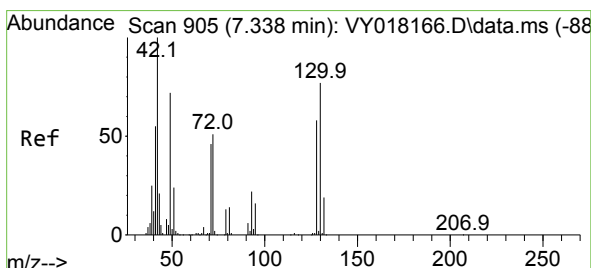
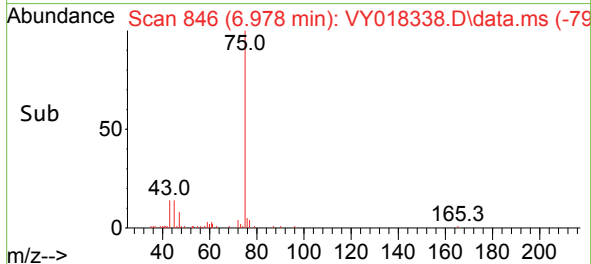
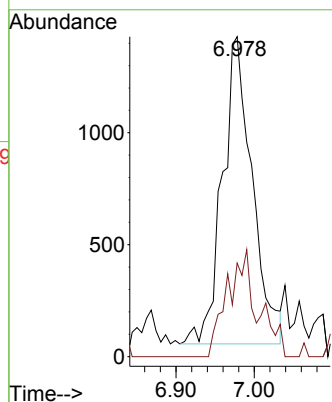
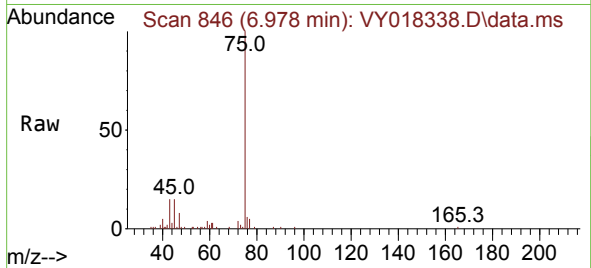




#25
2-Butanone
Concen: 10.690 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY018338.D
Acq: 20 May 2024 16:50

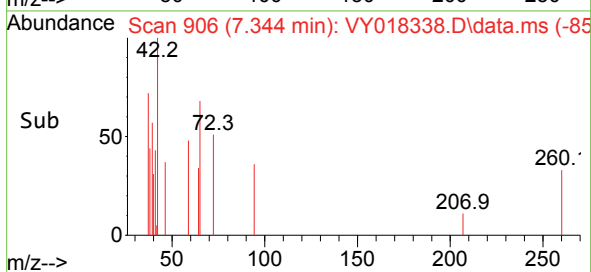
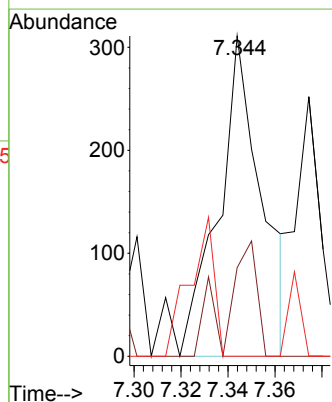
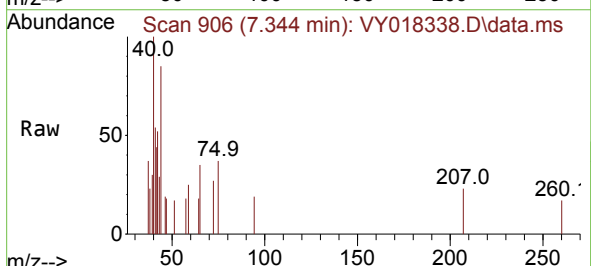
Instrument :
MSVOA_Y
ClientSampleId :
WCS-TPI-VOC

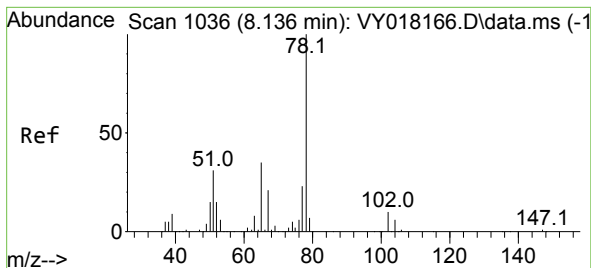
Tgt Ion: 43 Resp: 3629
Ion Ratio Lower Upper
43 100
72 30.5 27.3 40.9



#29
Tetrahydrofuran
Concen: 1.763 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.006 min
Lab File: VY018338.D
Acq: 20 May 2024 16:50

Tgt Ion: 42 Resp: 395
Ion Ratio Lower Upper
42 100
72 25.6 43.0 64.4#
71 25.3 40.8 61.2#





#33

1,2-Dichloroethane-d4

Concen: 68.259 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY018338.D

Acq: 20 May 2024 16:50

Instrument :

MSVOA_Y

ClientSampleId :

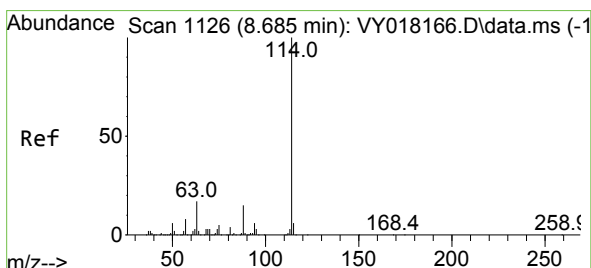
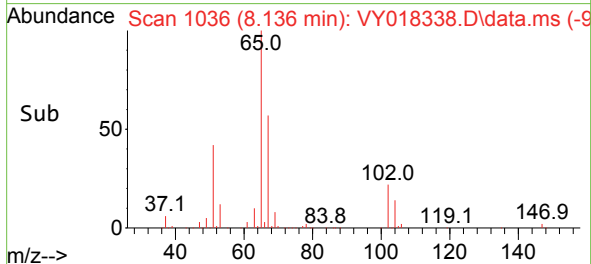
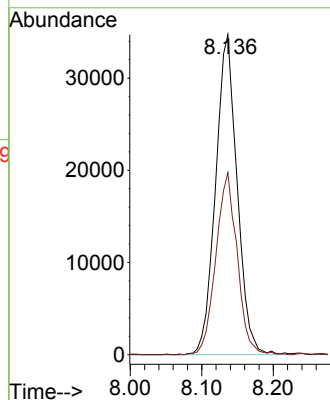
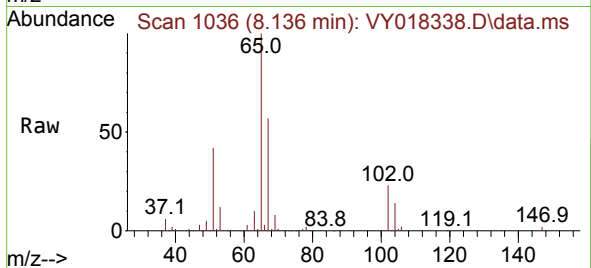
WCS-TPI-VOC

Tgt Ion: 65 Resp: 72642

Ion Ratio Lower Upper

65 100

67 56.4 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: VY018338.D

Acq: 20 May 2024 16:50

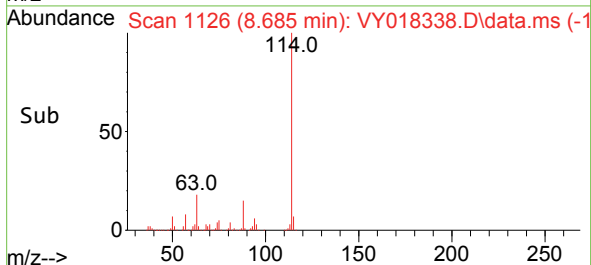
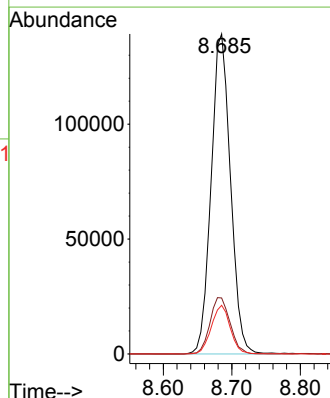
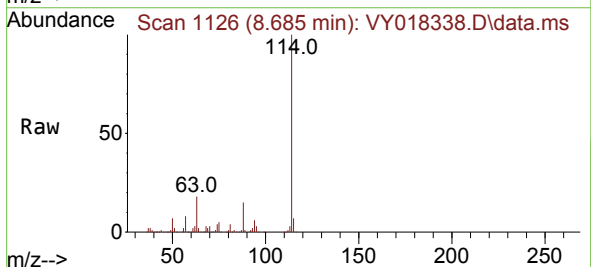
Tgt Ion: 114 Resp: 273637

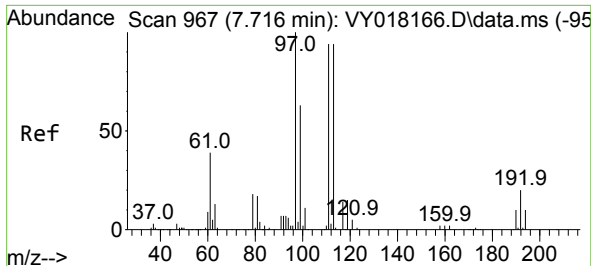
Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.0

88 15.2 0.0 27.2

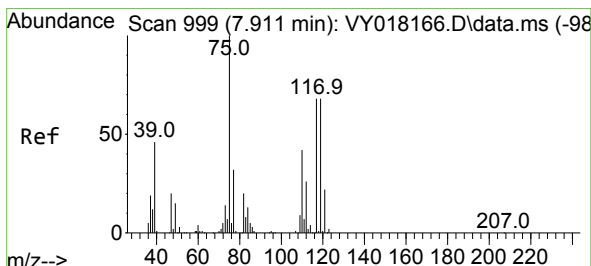
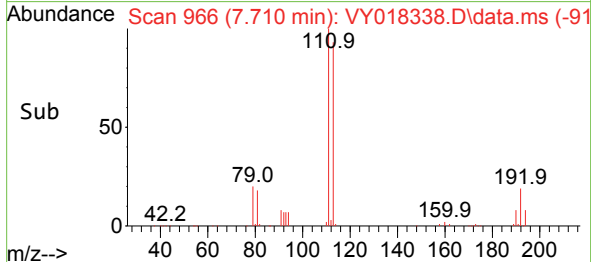
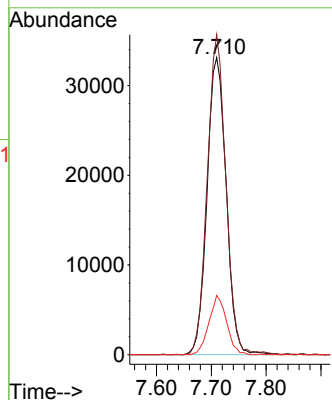
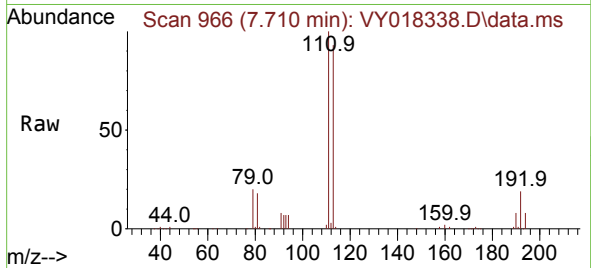




#35
 Dibromofluoromethane
 Concen: 55.831 ug/l
 RT: 7.710 min Scan# 911
 Delta R.T. -0.006 min
 Lab File: VY018338.D
 Acq: 20 May 2024 16:50

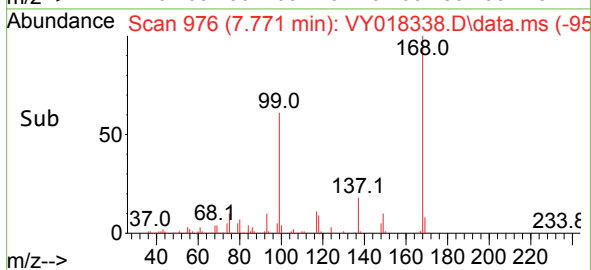
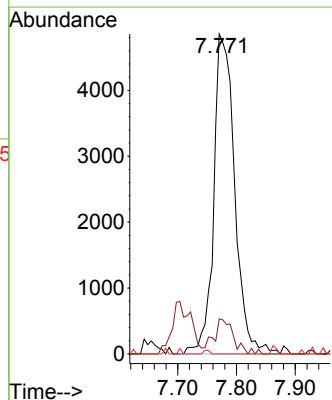
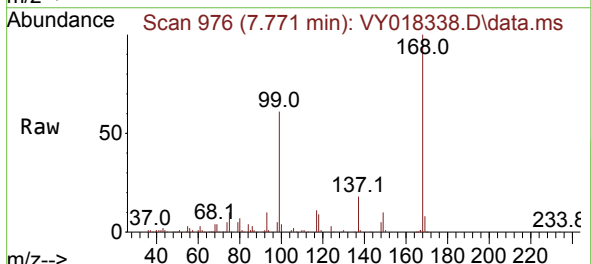
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 WCS-TPI-VOC

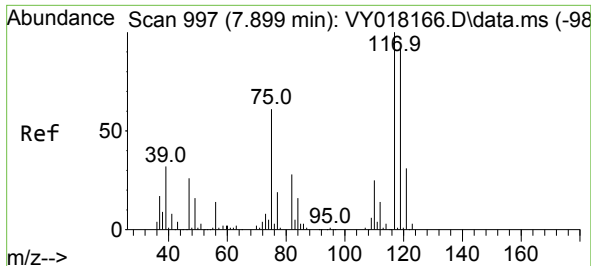
Tgt Ion:113 Resp: 80290
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.2 123.4
 192 18.4 15.9 23.9



#36
 1,1-Dichloropropene
 Concen: 5.839 ug/l
 RT: 7.771 min Scan# 976
 Delta R.T. -0.140 min
 Lab File: VY018338.D
 Acq: 20 May 2024 16:50

Tgt Ion: 75 Resp: 12037
 Ion Ratio Lower Upper
 75 100
 110 10.1 19.0 57.0#
 77 0.0 25.3 37.9#

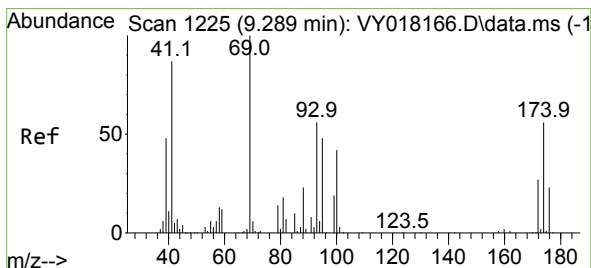
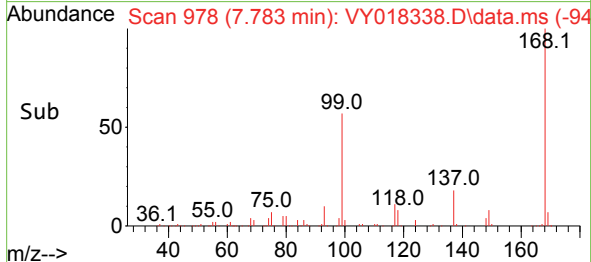
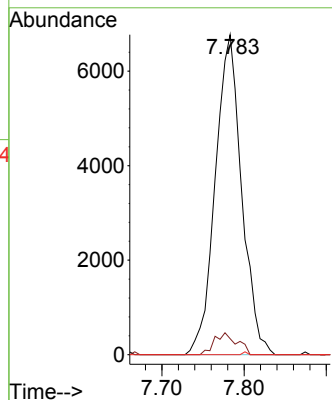
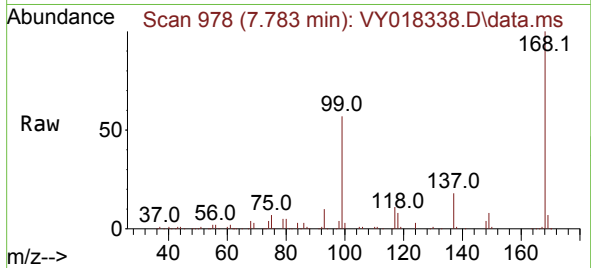




#38
Carbon Tetrachloride
Concen: 6.709 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY018338.D
Acq: 20 May 2024 16:50

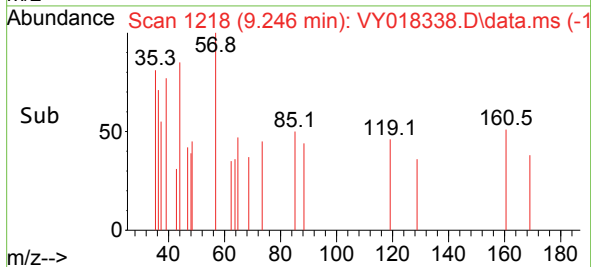
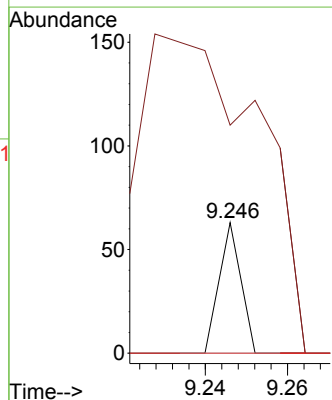
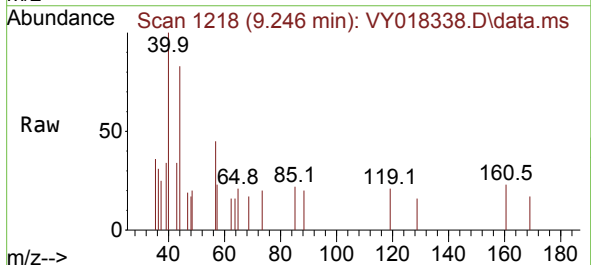
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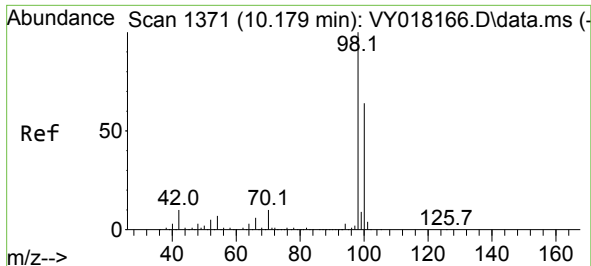
Tgt Ion:117 Resp: 15114
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.6#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 2.079 ug/l
RT: 9.246 min Scan# 1218
Delta R.T. -0.043 min
Lab File: VY018338.D
Acq: 20 May 2024 16:50

Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 1243.5 0.0 0.0#
58 0.0 49.3 73.9#

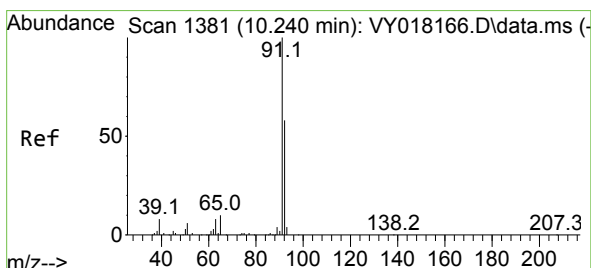
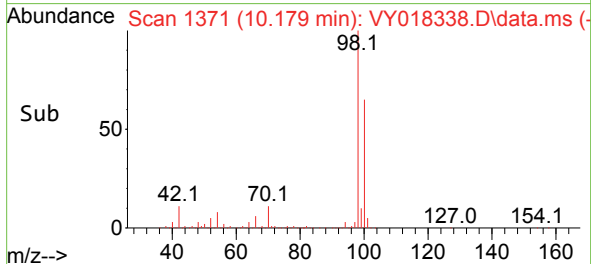
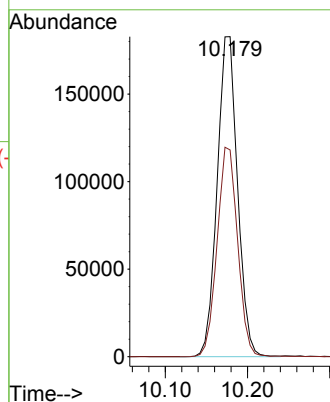
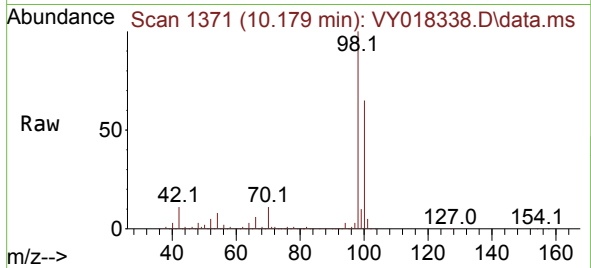




#50
Toluene-d8
Concen: 55.453 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY018338.D
Acq: 20 May 2024 16:50

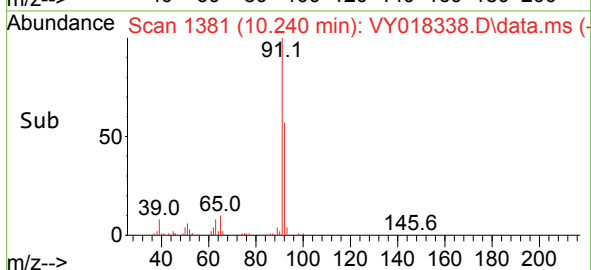
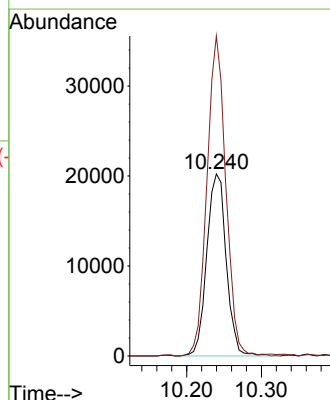
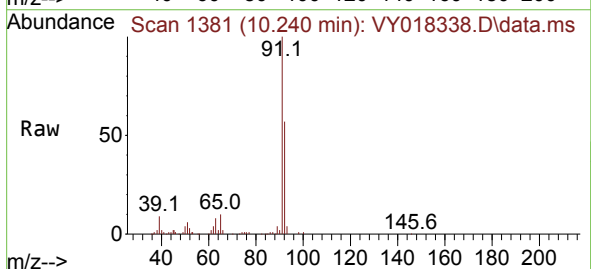
Instrument :
MSVOA_Y
ClientSampleId :
WCS-TPI-VOC

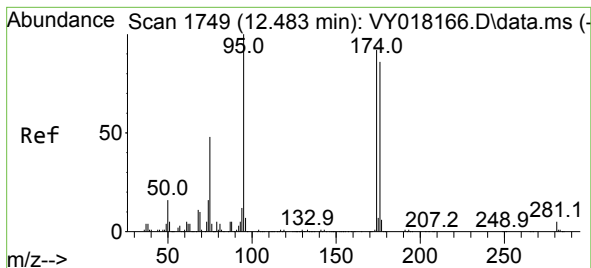
Tgt Ion: 98 Resp: 314250
Ion Ratio Lower Upper
98 100
100 66.1 52.0 78.0



#52
Toluene
Concen: 8.574 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VY018338.D
Acq: 20 May 2024 16:50

Tgt Ion: 92 Resp: 36603
Ion Ratio Lower Upper
92 100
91 170.3 139.0 208.6

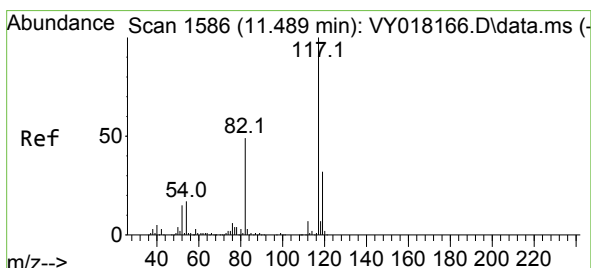
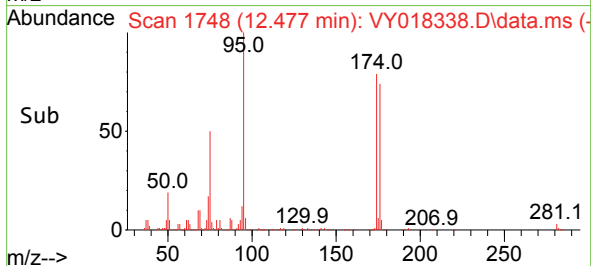
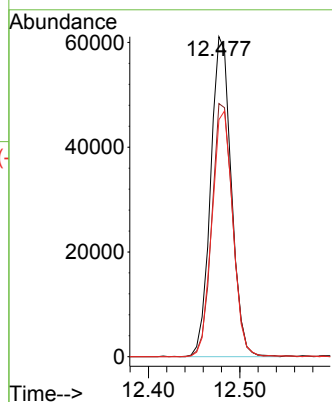
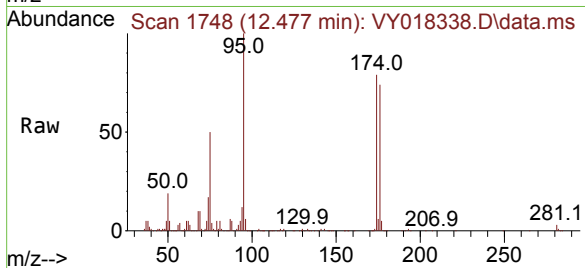




#62
4-Bromofluorobenzene
Concen: 52.404 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY018338.D
Acq: 20 May 2024 16:50

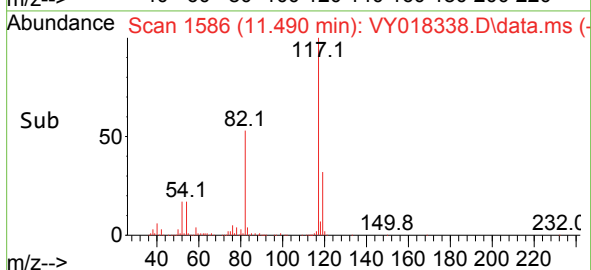
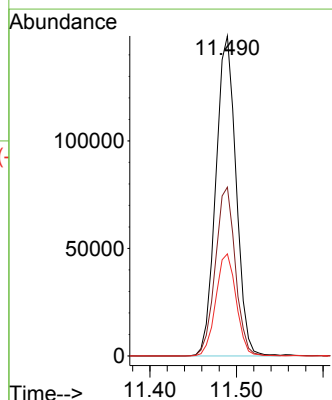
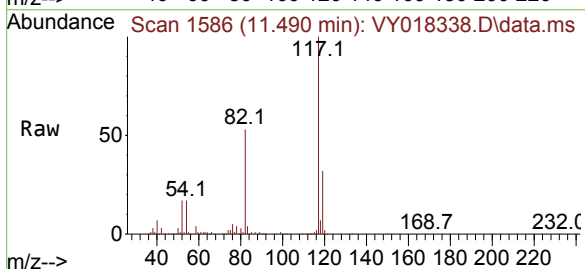
Instrument :
MSVOA_Y
ClientSampleId :
WCS-TPI-VOC

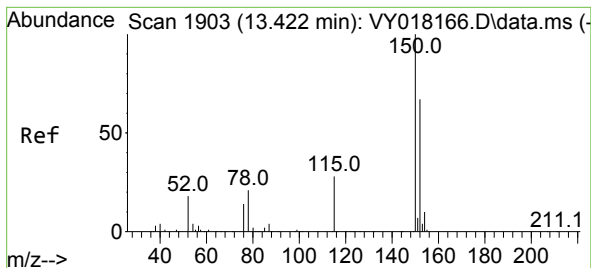
Tgt Ion: 95 Resp: 95905
Ion Ratio Lower Upper
95 100
174 79.7 0.0 175.6
176 77.8 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY018338.D
Acq: 20 May 2024 16:50

Tgt Ion: 117 Resp: 241680
Ion Ratio Lower Upper
117 100
82 52.7 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: VY018338.D

Acq: 20 May 2024 16:50

Instrument :

MSVOA_Y

ClientSampleId :

WCS-TPI-VOC

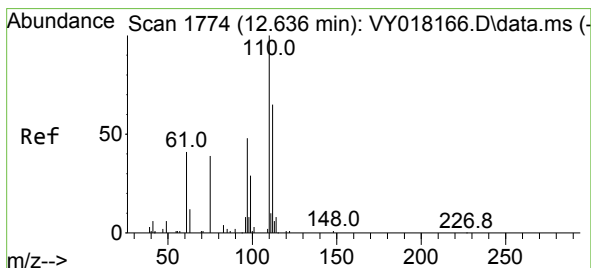
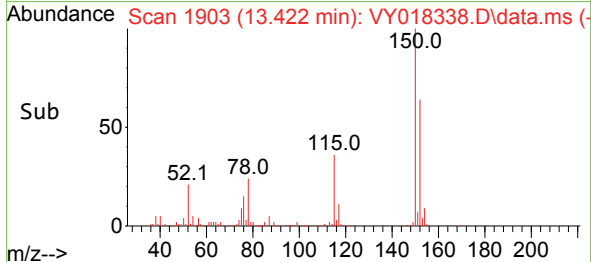
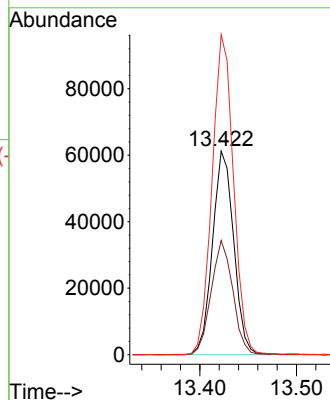
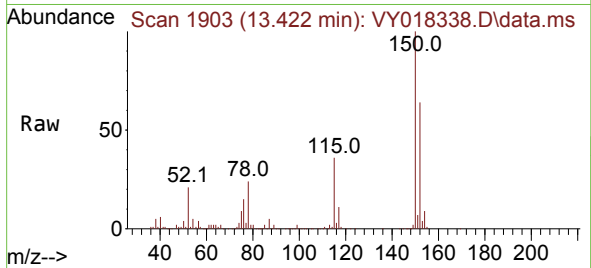
Tgt Ion:152 Resp: 93346

Ion Ratio Lower Upper

152 100

115 57.2 28.2 84.7

150 159.1 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 65.093 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY018338.D

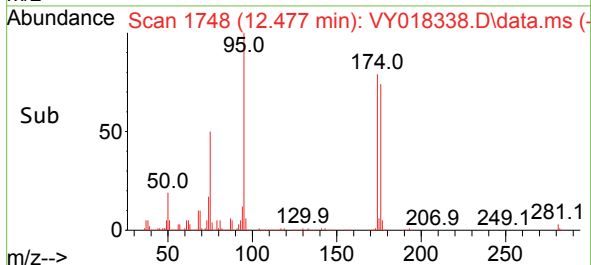
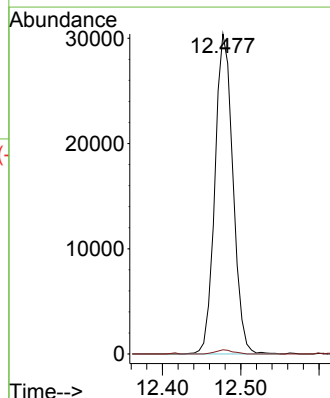
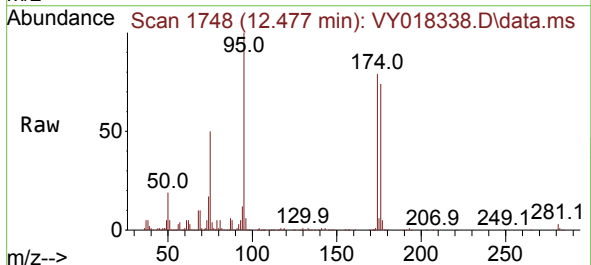
Acq: 20 May 2024 16:50

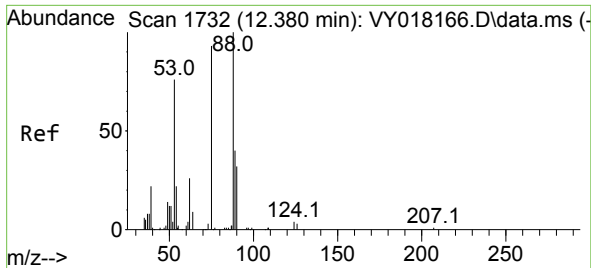
Tgt Ion: 75 Resp: 48636

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 125.413 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY018338.D
Acq: 20 May 2024 16:50

Instrument :
MSVOA_Y
ClientSampleId :
WCS-TPI-VOC

Tgt Ion: 75 Resp: 48636
Ion Ratio Lower Upper
75 100
53 0.3 66.8 100.2#
89 0.2 35.8 53.6#

