

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051724\
 Data File : VY018305.D
 Acq On : 17 May 2024 13:58
 Operator : SY/MD
 Sample : P2476-03
 Misc : 5.77g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1-GRAB

Quant Time: May 18 00:49:19 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)

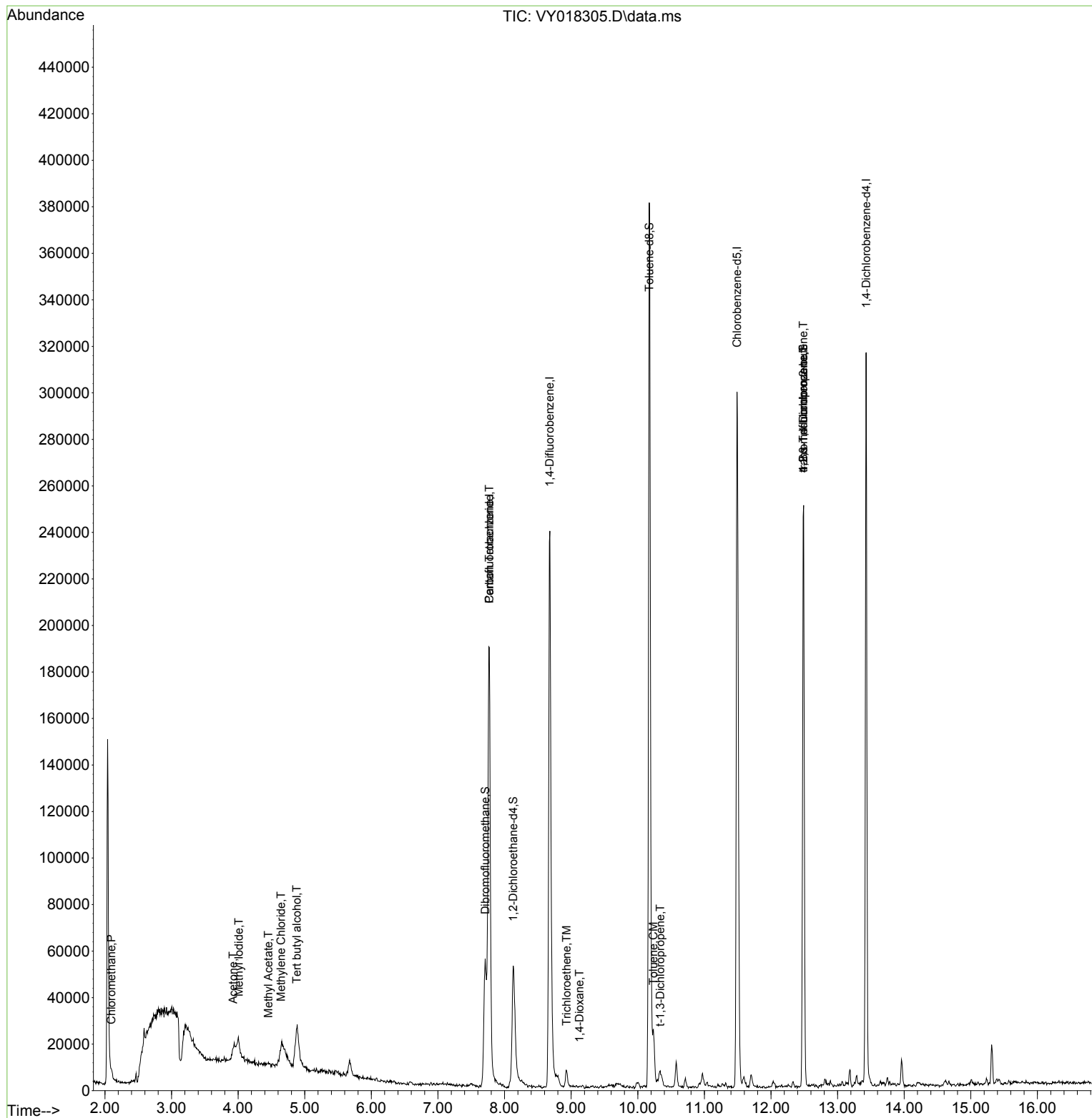
Internal Standards						
1) Pentafluorobenzene	7.771	168	154204	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.679	114	265788	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	219228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	80994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	55150	48.615	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.220%		
35) Dibromofluoromethane	7.710	113	59218	42.394	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	84.780%		
50) Toluene-d8	10.173	98	299702	54.447	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	108.900%		
62) 4-Bromofluorobenzene	12.483	95	80811	45.461	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	90.920%		
Target Compounds						Qvalue
3) Chloromethane	2.095	50	2786	1.702	ug/l	97
10) Methyl Iodide	4.009	142	14634	8.460	ug/l	92
11) Tert butyl alcohol	4.881	59	18099	178.118	ug/l #	90
13) Acrolein	3.711	56	328	Below Cal	#	74
16) Acetone	3.924	43	413	1.824	ug/l #	57
18) Methyl Acetate	4.454	43	1381	2.141	ug/l #	89
20) Methylene Chloride	4.643	84	5299	3.312	ug/l #	89
31) Cyclohexane	7.771	56	3463	Below Cal	#	33
38) Carbon Tetrachloride	7.771	117	14728	6.731	ug/l #	16
44) Trichloroethene	8.929	130	2712	1.547	ug/l	99
49) 1,4-Dioxane	9.124	88	19	1.768	ug/l #	1
52) Toluene	10.234	92	5625	1.357	ug/l	89
53) t-1,3-Dichloropropene	10.337	75	6231	3.333	ug/l #	45
76) 1,2,3-Trichloropropane	12.483	75	40765	62.879	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	40765	121.147	ug/l #	16

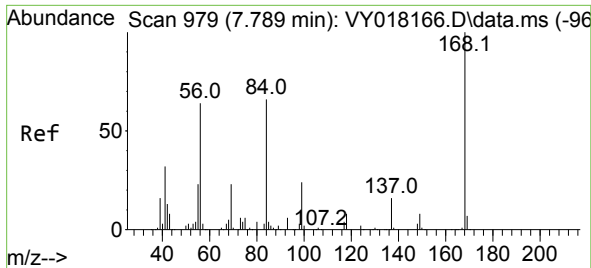
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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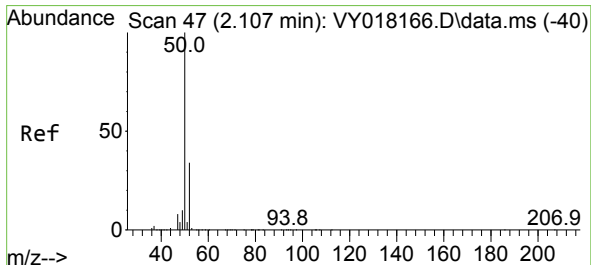
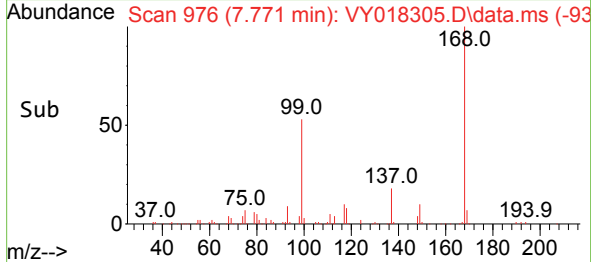
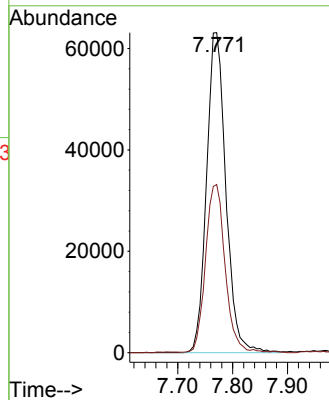
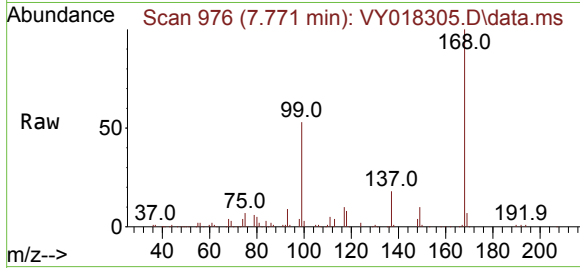




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY018305.D
Acq: 17 May 2024 13:58

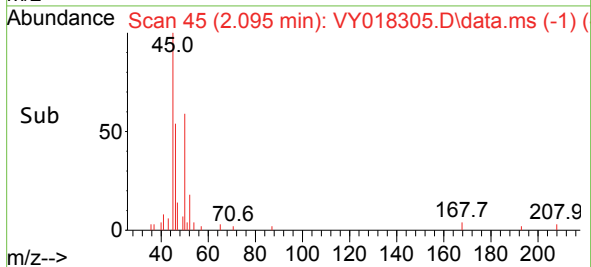
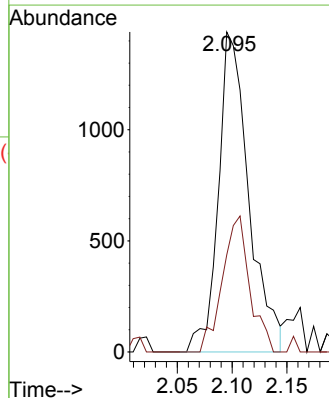
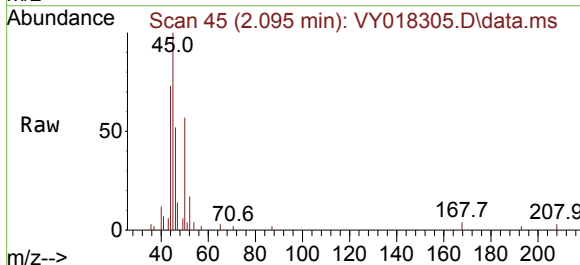
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-GRAB

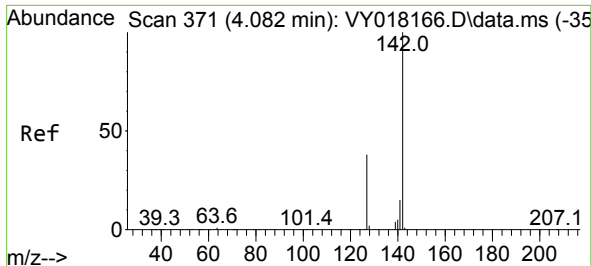
Tgt Ion:168 Resp: 154204
Ion Ratio Lower Upper
168 100
99 52.4 39.1 58.7



#3
Chloromethane
Concen: 1.702 ug/l
RT: 2.095 min Scan# 45
Delta R.T. -0.012 min
Lab File: VY018305.D
Acq: 17 May 2024 13:58

Tgt Ion: 50 Resp: 2786
Ion Ratio Lower Upper
50 100
52 30.3 25.6 38.4

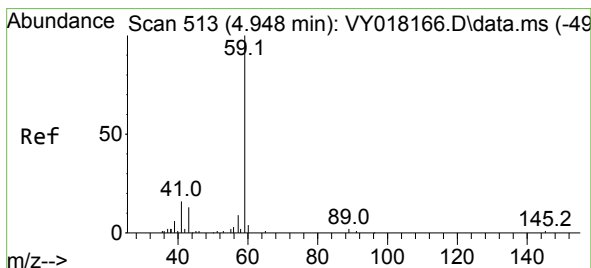
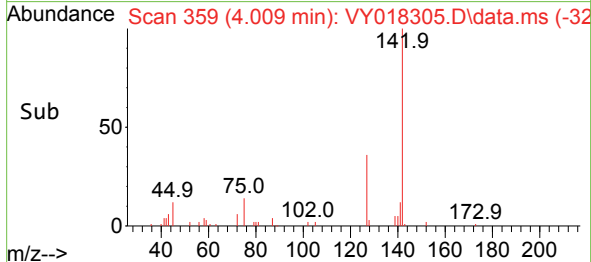
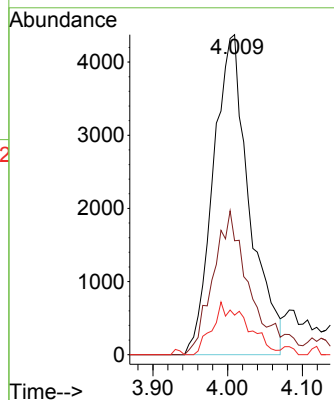
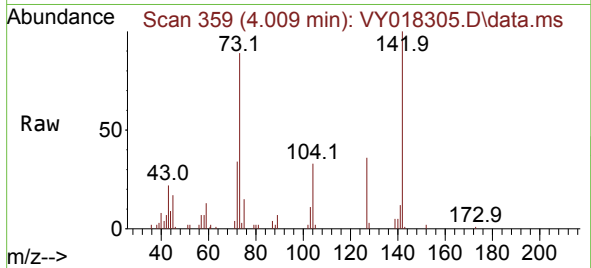




#10
Methyl Iodide
Concen: 8.460 ug/l
RT: 4.009 min Scan# 31
Delta R.T. -0.073 min
Lab File: VY018305.D
Acq: 17 May 2024 13:58

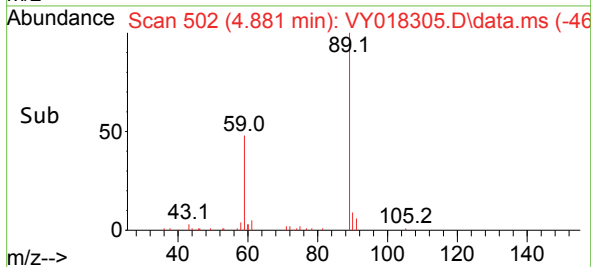
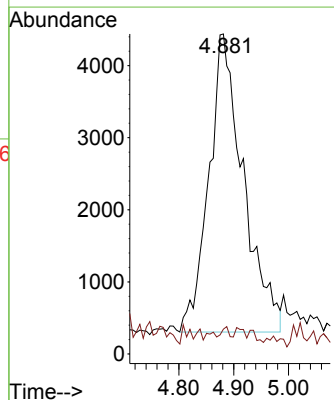
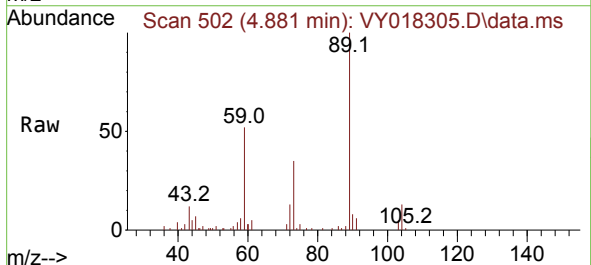
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-GRAB

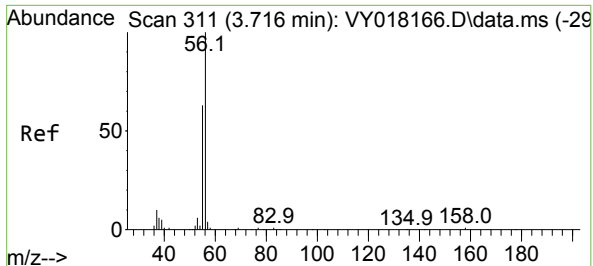
Tgt Ion:142 Resp: 14634
Ion Ratio Lower Upper
142 100
127 47.0 32.8 49.2
141 15.9 11.4 17.2



#11
Tert butyl alcohol
Concen: 178.118 ug/l
RT: 4.881 min Scan# 502
Delta R.T. -0.067 min
Lab File: VY018305.D
Acq: 17 May 2024 13:58

Tgt Ion: 59 Resp: 18099
Ion Ratio Lower Upper
59 100
57 0.6 3.0 4.6#





#13

Acrolein

Concen: Below Cal

RT: 3.711 min Scan# 311

Delta R.T. -0.005 min

Lab File: VY018305.D

Acq: 17 May 2024 13:58

Instrument :

MSVOA_Y

ClientSampleId :

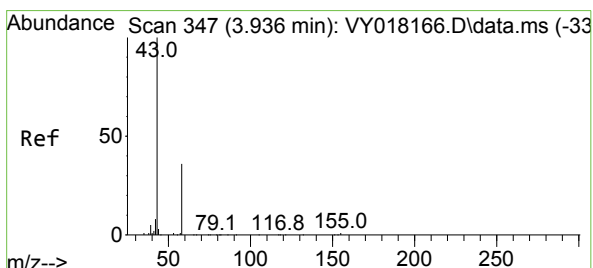
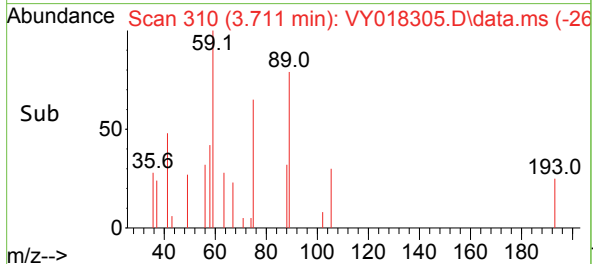
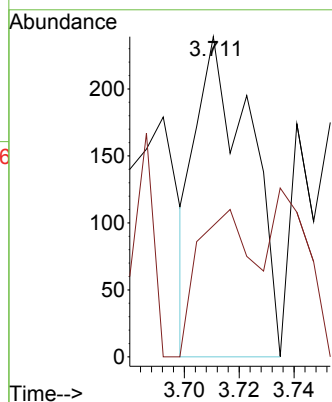
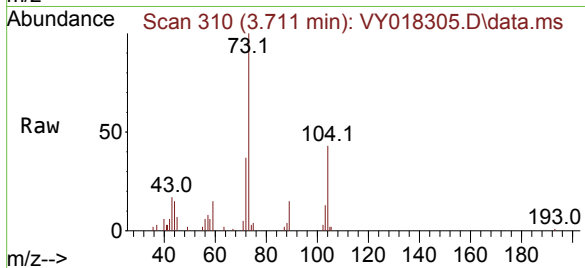
WC-1-GRAB

Tgt Ion: 56 Resp: 328

Ion Ratio Lower Upper

56 100

55 48.2 55.7 83.5#



#16

Acetone

Concen: 1.824 ug/l

RT: 3.924 min Scan# 345

Delta R.T. -0.012 min

Lab File: VY018305.D

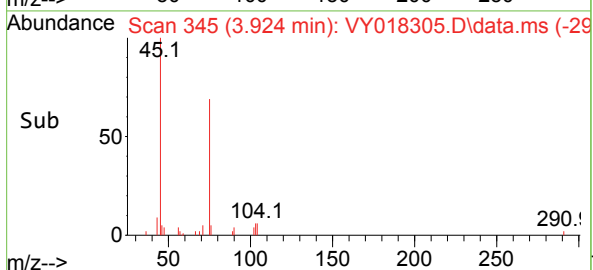
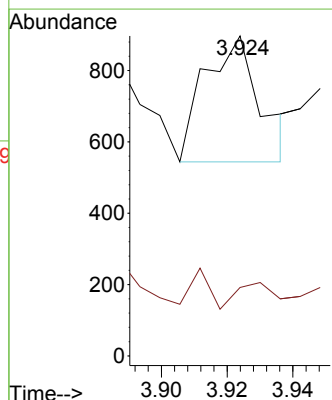
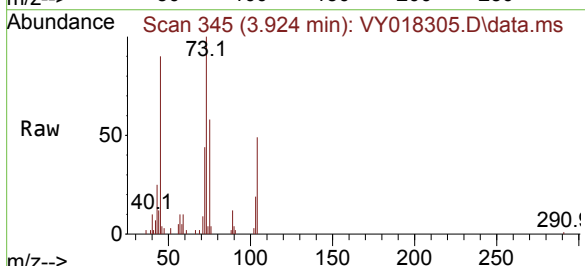
Acq: 17 May 2024 13:58

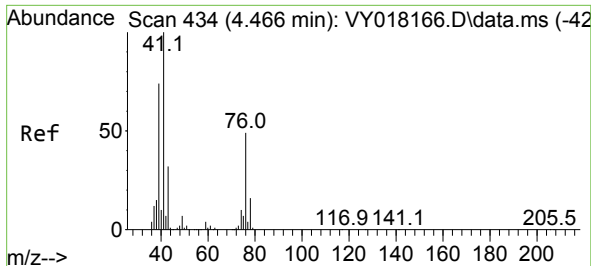
Tgt Ion: 43 Resp: 413

Ion Ratio Lower Upper

43 100

58 13.3 31.7 47.5#





#18

Methyl Acetate

Concen: 2.141 ug/l

RT: 4.454 min Scan# 41

Delta R.T. -0.012 min

Lab File: VY018305.D

Acq: 17 May 2024 13:58

Instrument :

MSVOA_Y

ClientSampleId :

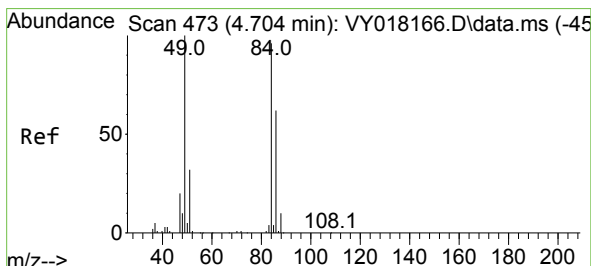
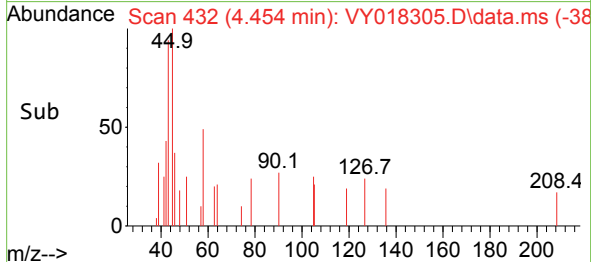
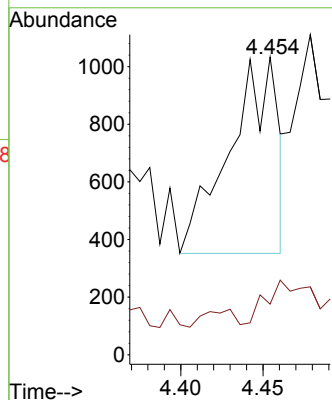
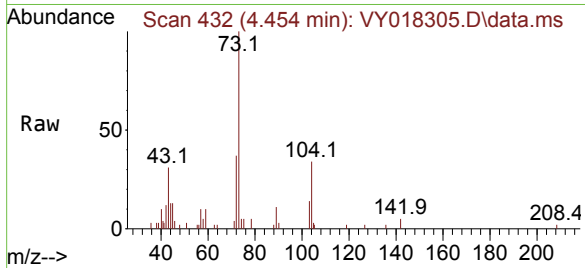
WC-1-GRAB

Tgt Ion: 43 Resp: 1381

Ion Ratio Lower Upper

43 100

74 23.1 23.3 34.9#



#20

Methylene Chloride

Concen: 3.312 ug/l

RT: 4.643 min Scan# 463

Delta R.T. -0.061 min

Lab File: VY018305.D

Acq: 17 May 2024 13:58

Tgt Ion: 84 Resp: 5299

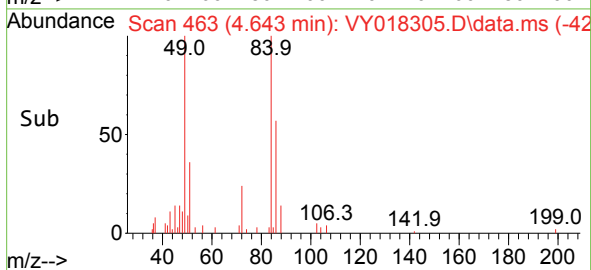
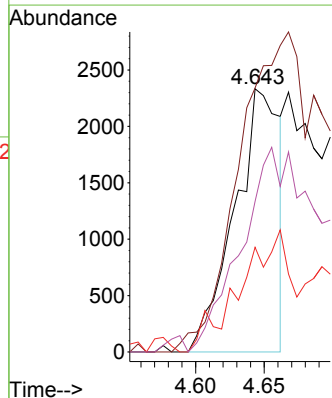
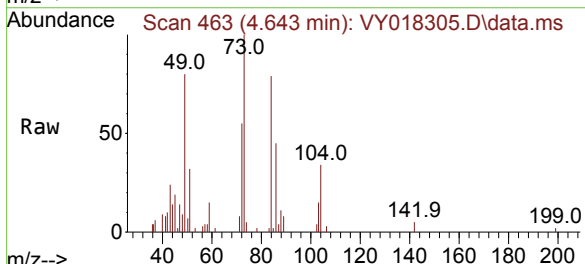
Ion Ratio Lower Upper

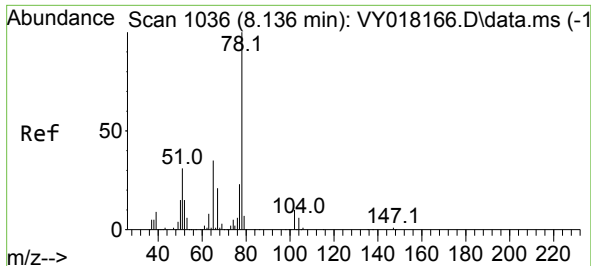
84 100

49 97.1 84.4 126.6

51 39.8 26.0 39.0#

86 51.0 49.5 74.3





#33

1,2-Dichloroethane-d4

Concen: 48.615 ug/l

RT: 8.130 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY018305.D

Acq: 17 May 2024 13:58

Instrument :

MSVOA_Y

ClientSampleId :

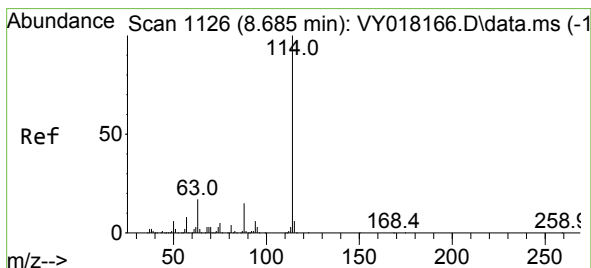
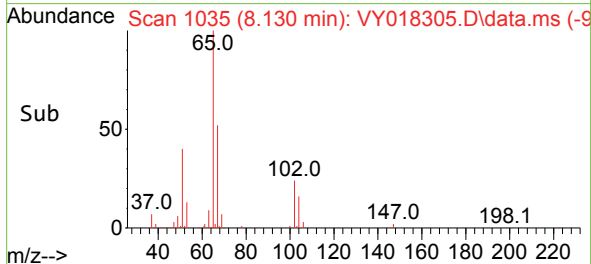
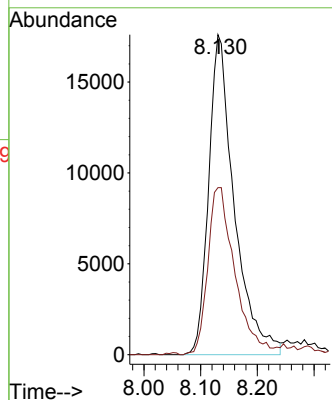
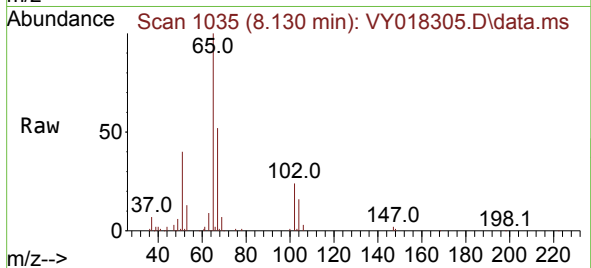
WC-1-GRAB

Tgt Ion: 65 Resp: 55150

Ion Ratio Lower Upper

65 100

67 55.1 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.679 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VY018305.D

Acq: 17 May 2024 13:58

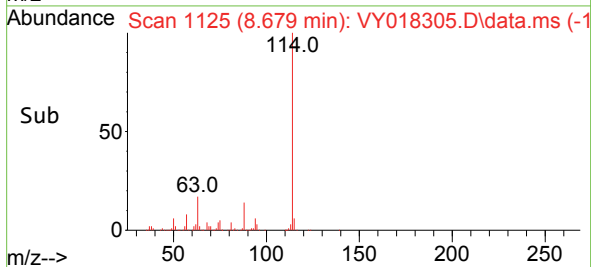
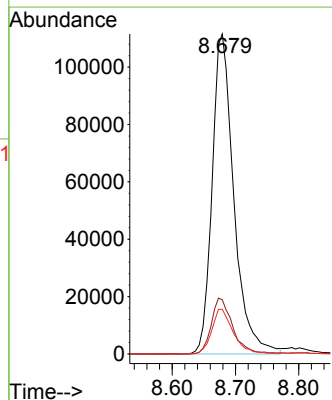
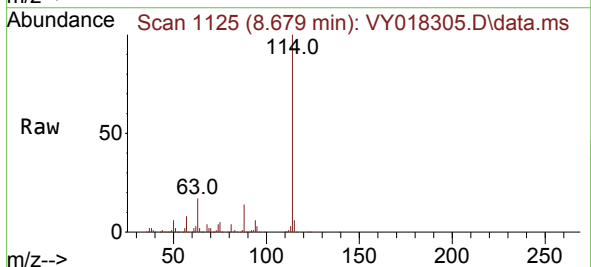
Tgt Ion: 114 Resp: 265788

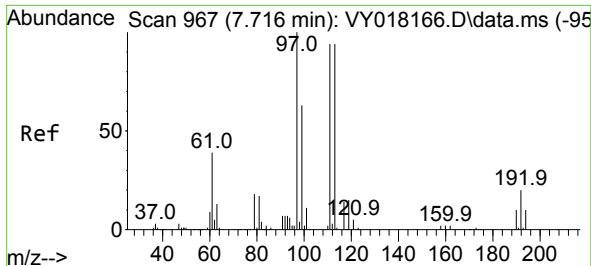
Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.0

88 13.9 0.0 27.2

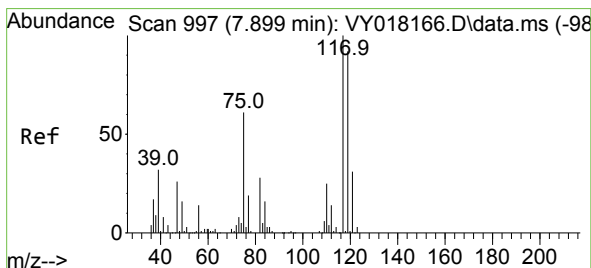
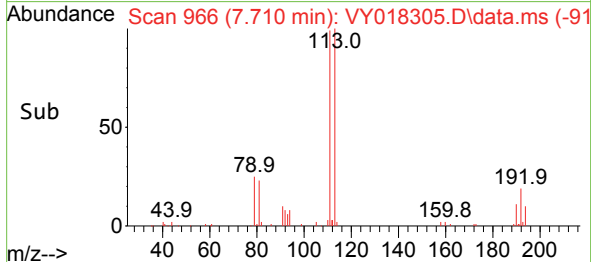
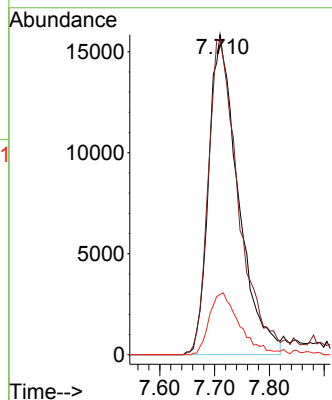
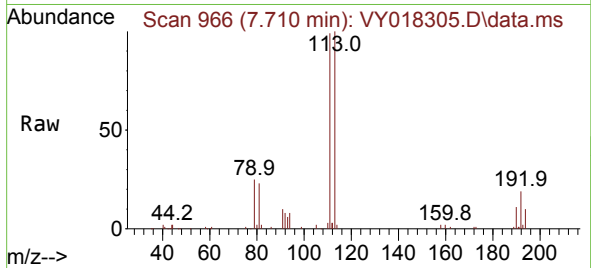




#35
Dibromofluoromethane
Concen: 42.394 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018305.D
Acq: 17 May 2024 13:58

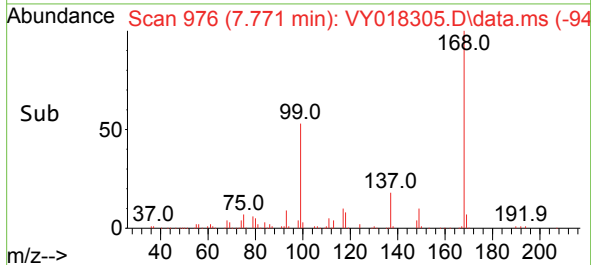
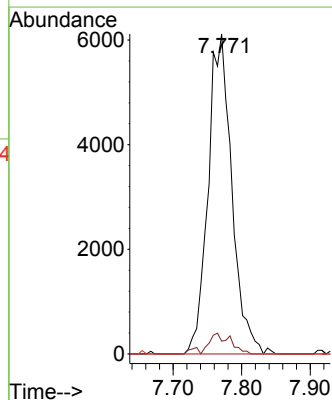
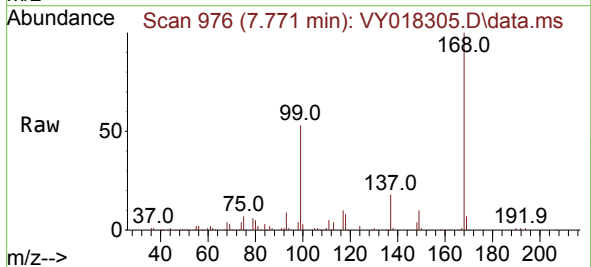
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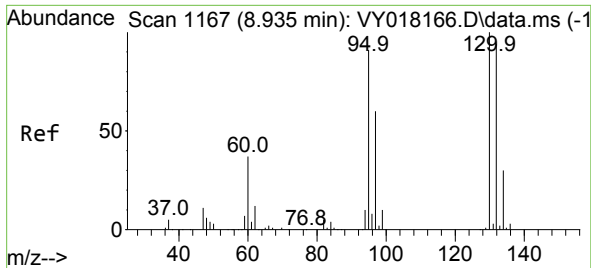
Tgt Ion:113 Resp: 59218
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.4
192 19.5 15.9 23.9



#38
Carbon Tetrachloride
Concen: 6.731 ug/l
RT: 7.771 min Scan# 976
Delta R.T. -0.128 min
Lab File: VY018305.D
Acq: 17 May 2024 13:58

Tgt Ion:117 Resp: 14728
Ion Ratio Lower Upper
117 100
119 4.0 75.8 113.6#
121 0.0 24.0 36.0#





#44

Trichloroethene

Concen: 1.547 ug/l

RT: 8.929 min Scan# 1166

Delta R.T. -0.006 min

Lab File: VY018305.D

Acq: 17 May 2024 13:58

Instrument :

MSVOA_Y

ClientSampleId :

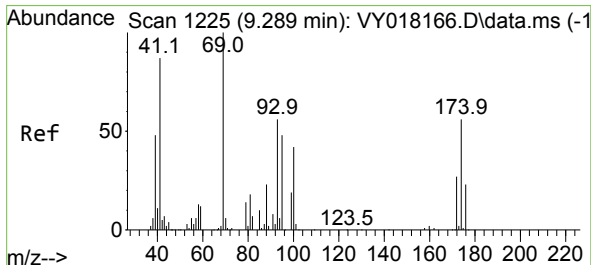
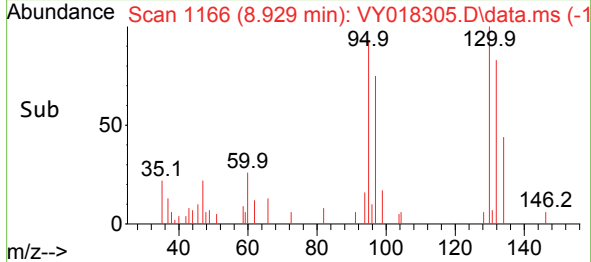
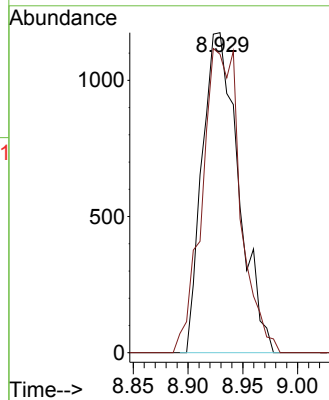
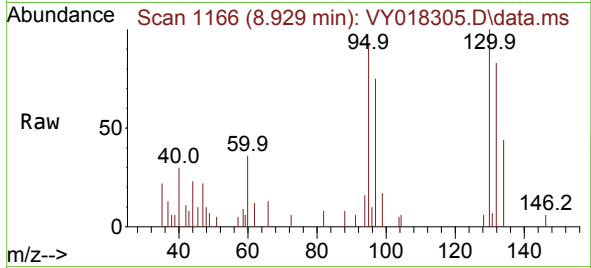
WC-1-GRAB

Tgt Ion:130 Resp: 2712

Ion Ratio Lower Upper

130 100

95 93.3 0.0 188.0



#49

1,4-Dioxane

Concen: 1.768 ug/l

RT: 9.124 min Scan# 1198

Delta R.T. -0.164 min

Lab File: VY018305.D

Acq: 17 May 2024 13:58

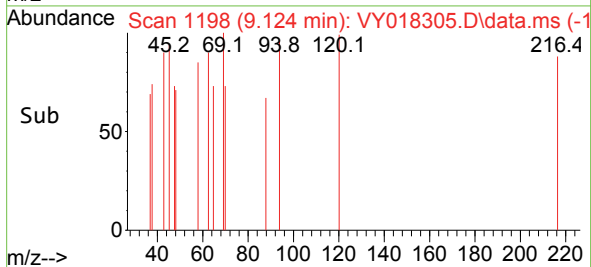
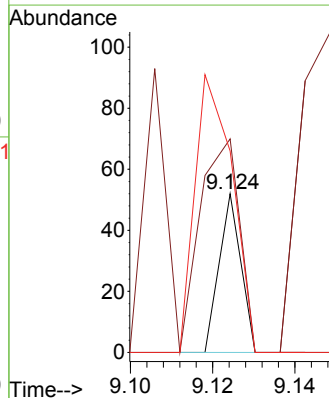
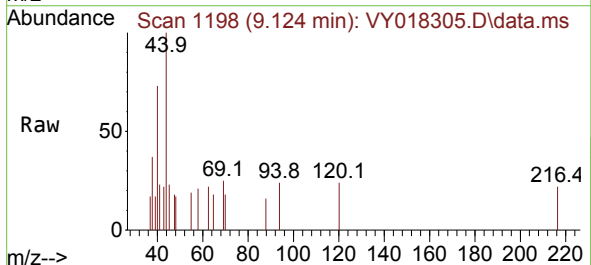
Tgt Ion: 88 Resp: 19

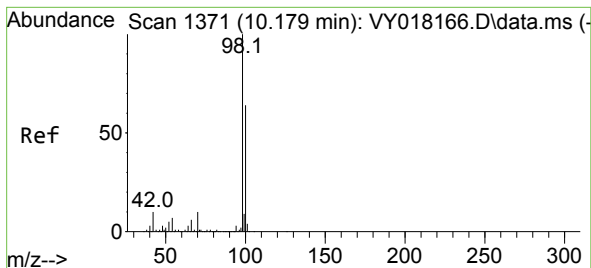
Ion Ratio Lower Upper

88 100

43 178.9 0.0 0.0#

58 300.0 49.3 73.9#

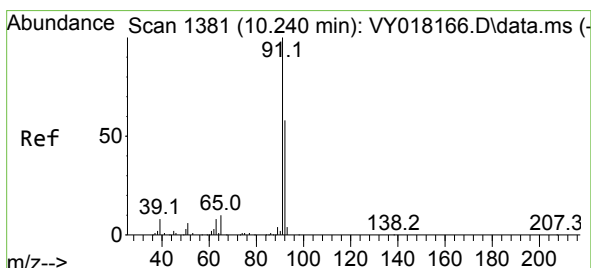
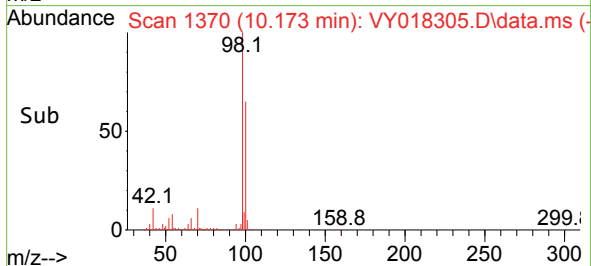
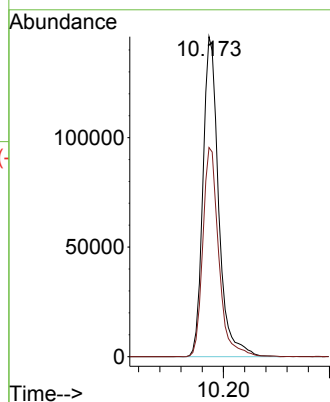
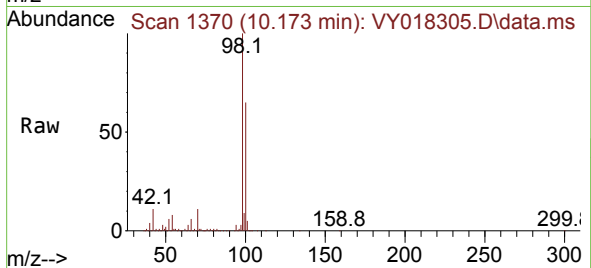




#50
Toluene-d8
Concen: 54.447 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY018305.D
Acq: 17 May 2024 13:58

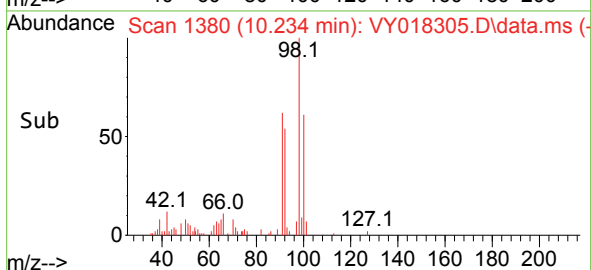
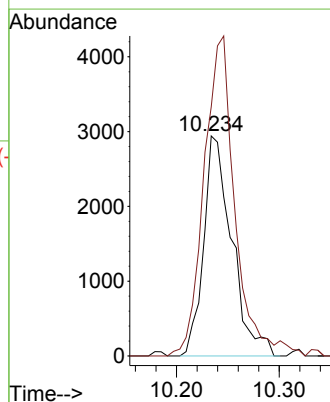
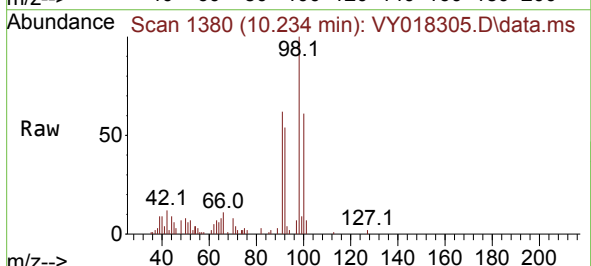
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-GRAB

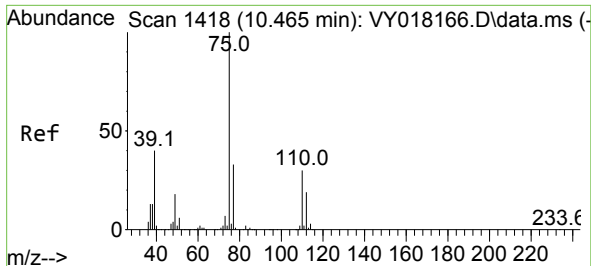
Tgt Ion: 98 Resp: 299702
Ion Ratio Lower Upper
98 100
100 66.6 52.0 78.0



#52
Toluene
Concen: 1.357 ug/l
RT: 10.234 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VY018305.D
Acq: 17 May 2024 13:58

Tgt Ion: 92 Resp: 5625
Ion Ratio Lower Upper
92 100
91 159.0 139.0 208.6

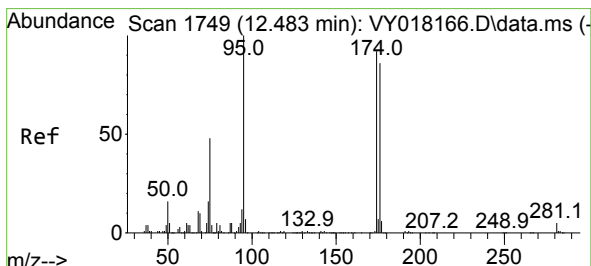
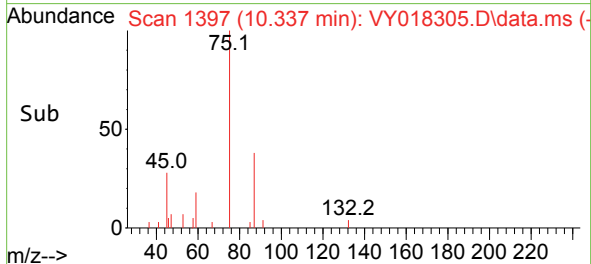
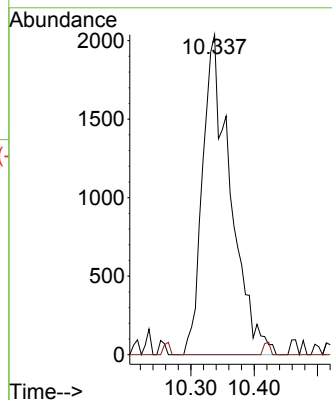
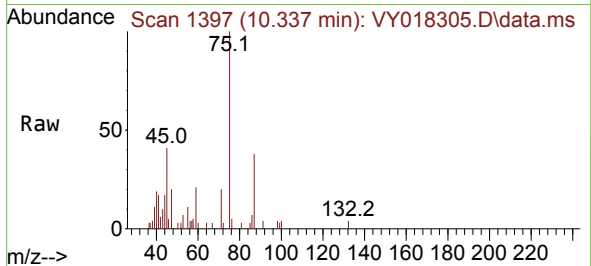




#53
t-1,3-Dichloropropene
Concen: 3.333 ug/l
RT: 10.337 min Scan# 11
Delta R.T. -0.128 min
Lab File: VY018305.D
Acq: 17 May 2024 13:58

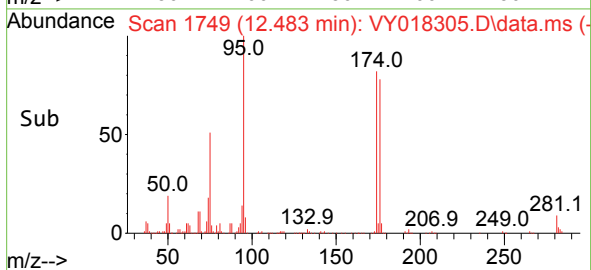
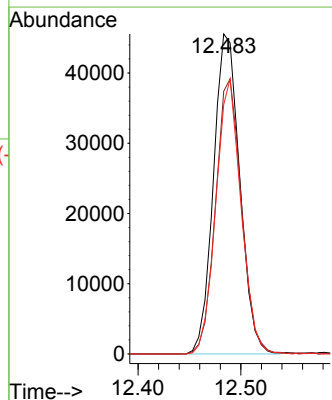
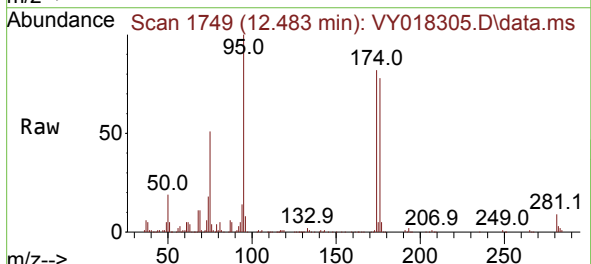
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-GRAB

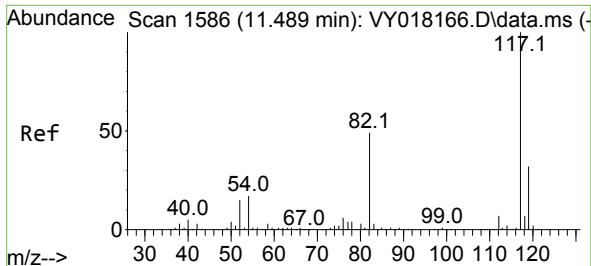
Tgt Ion: 75 Resp: 6231
Ion Ratio Lower Upper
75 100
77 0.0 24.1 36.1#



#62
4-Bromofluorobenzene
Concen: 45.461 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY018305.D
Acq: 17 May 2024 13:58

Tgt Ion: 95 Resp: 80811
Ion Ratio Lower Upper
95 100
174 84.8 0.0 175.6
176 82.1 0.0 171.4

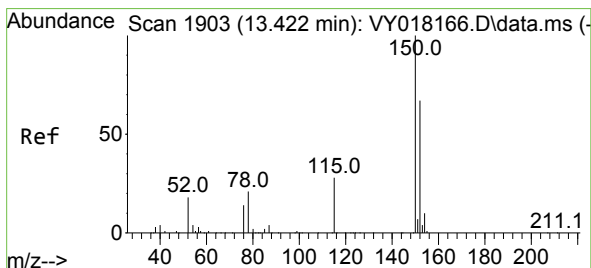
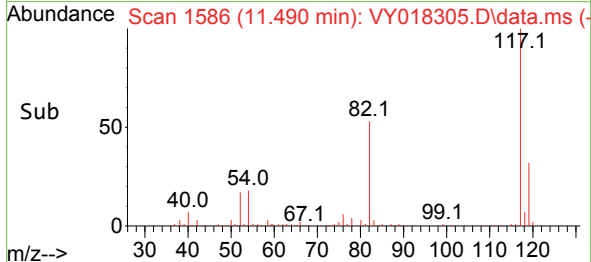
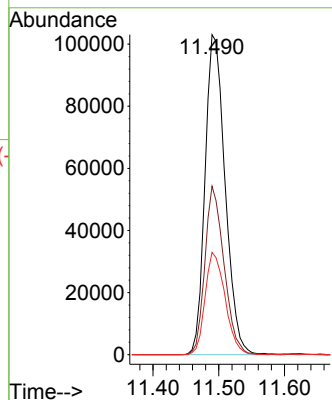
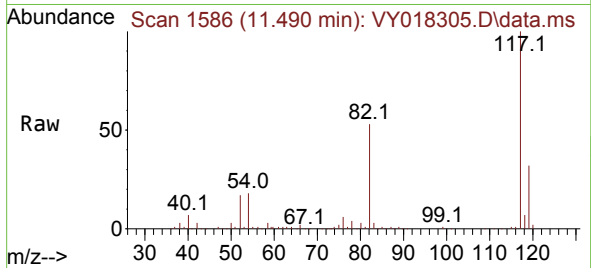




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018305.D
Acq: 17 May 2024 13:58

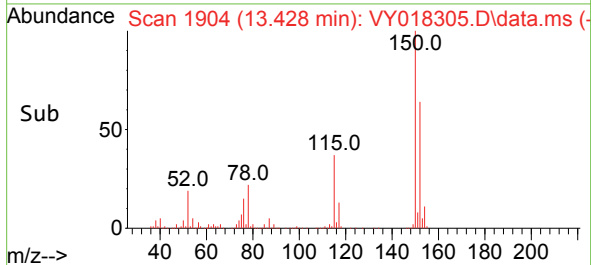
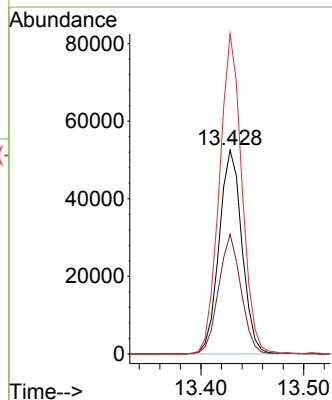
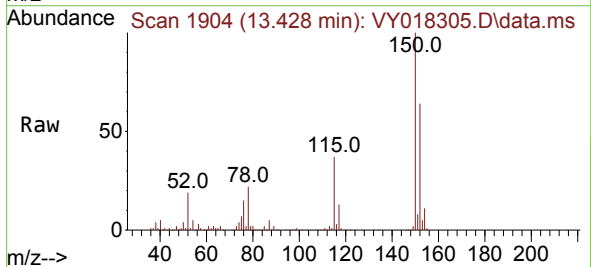
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-GRAB

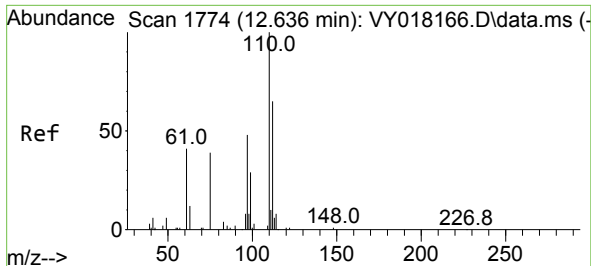
Tgt Ion:117 Resp: 219228
Ion Ratio Lower Upper
117 100
82 52.7 42.4 63.6
119 31.9 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY018305.D
Acq: 17 May 2024 13:58

Tgt Ion:152 Resp: 80994
Ion Ratio Lower Upper
152 100
115 57.6 28.2 84.7
150 154.7 0.0 345.6

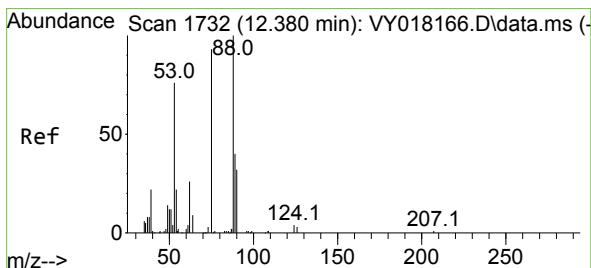
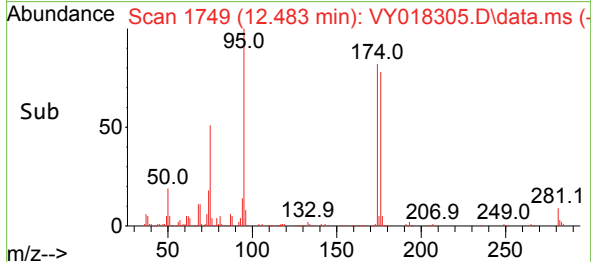
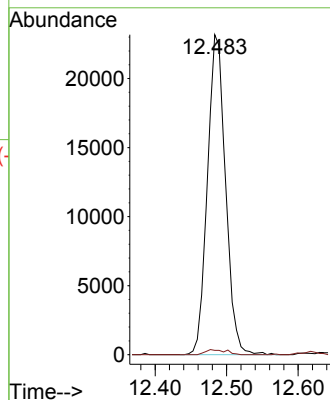
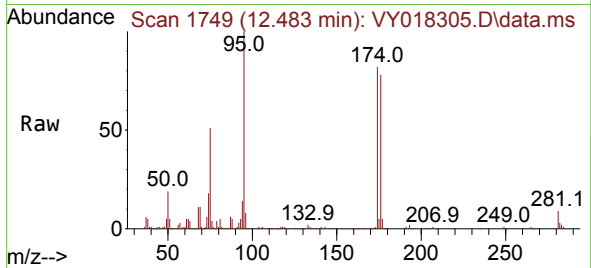




#76
1,2,3-Trichloropropane
Concen: 62.879 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY018305.D
Acq: 17 May 2024 13:58

Instrument :
MSVOA_Y
ClientSampleId :
WC-1-GRAB

Tgt Ion: 75 Resp: 40765
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.147 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY018305.D
Acq: 17 May 2024 13:58

Tgt Ion: 75 Resp: 40765
Ion Ratio Lower Upper
75 100
53 0.2 66.8 100.2#
89 0.0 35.8 53.6#

