

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050824\
 Data File : VY018198.D
 Acq On : 08 May 2024 19:12
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 09 02:31:04 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)

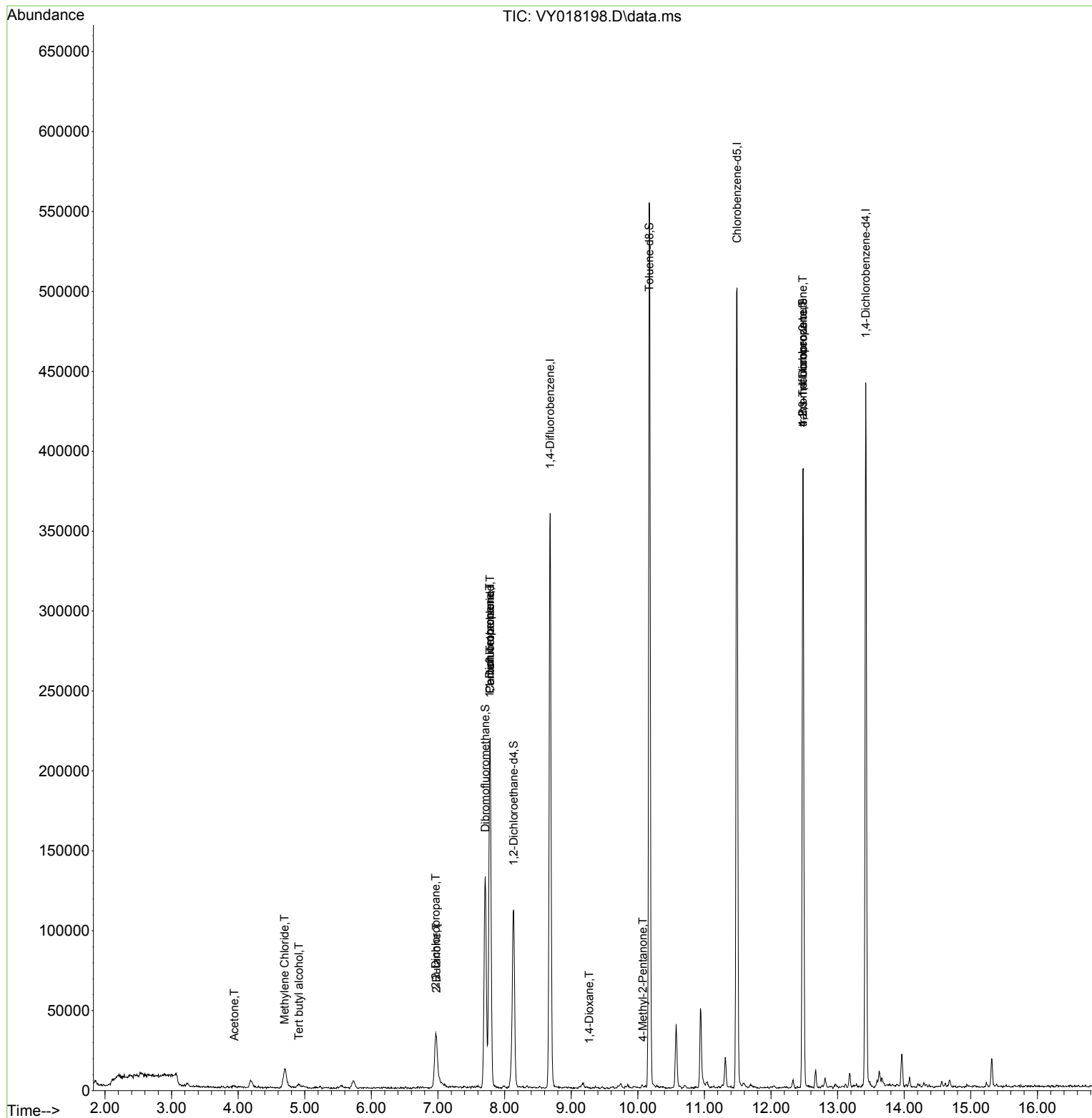
Internal Standards						
1) Pentafluorobenzene	7.783	168	176983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	331228	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	296336	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	116356	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	79695	61.209	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.420%	
35) Dibromofluoromethane	7.710	113	95742	55.000	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.000%	
50) Toluene-d8	10.173	98	373553	54.456	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.920%	
62) 4-Bromofluorobenzene	12.477	95	115710	52.233	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.460%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.911	59	2847	13.688	ug/l #	91
13) Acrolein	3.729	56	51	Below Cal	#	1
16) Acetone	3.942	43	1770	6.812	ug/l	96
20) Methylene Chloride	4.698	84	9382	5.109	ug/l	94
25) 2-Butanone	6.978	43	2685	6.465	ug/l #	80
26) 2,2-Dichloropropane	6.966	77	2799	1.087	ug/l #	51
31) Cyclohexane	7.777	56	4122	Below Cal	#	1
36) 1,1-Dichloropropene	7.777	75	13132	5.262	ug/l #	50
38) Carbon Tetrachloride	7.783	117	17449	6.399	ug/l #	16
49) 1,4-Dioxane	9.270	88	87	6.497	ug/l #	20
51) 4-Methyl-2-Pentanone	10.075	43	1230	1.137	ug/l #	82
76) 1,2,3-Trichloropropane	12.477	75	57417	61.649	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	57417	118.777	ug/l #	16

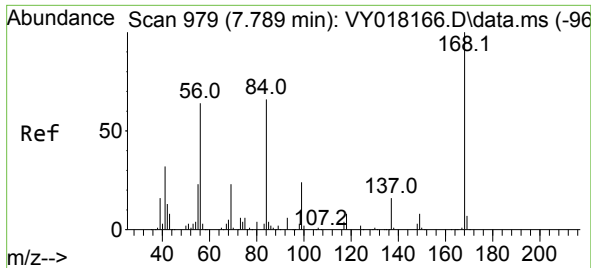
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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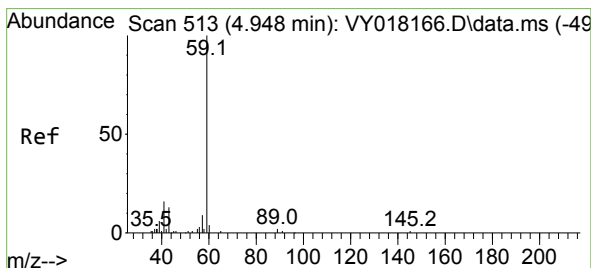
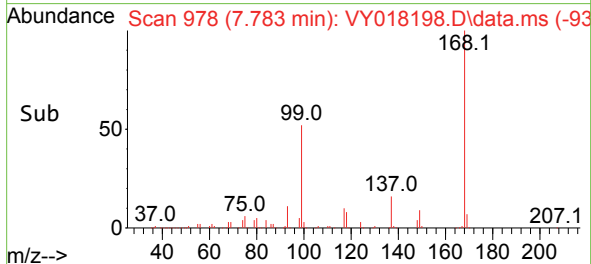
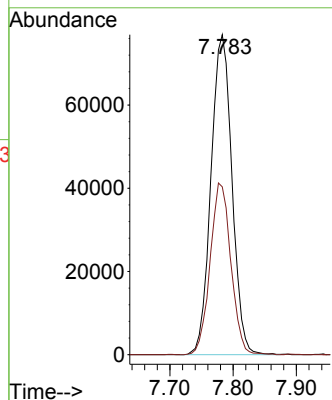
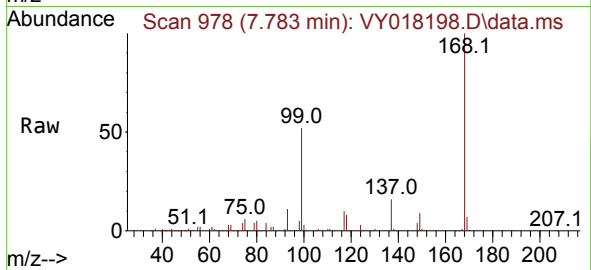




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018198.D
Acq: 08 May 2024 19:12

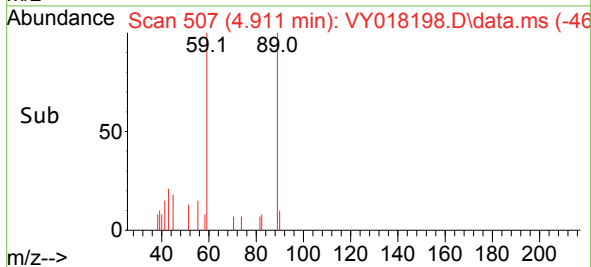
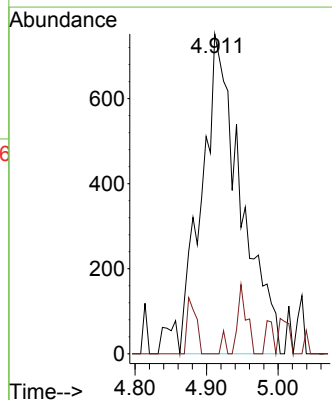
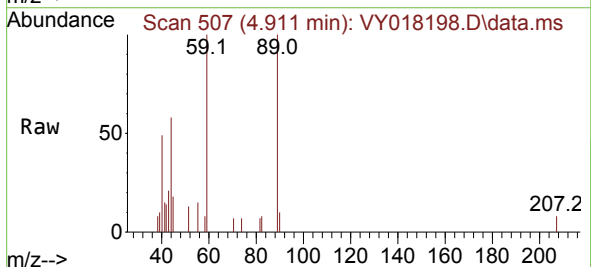
Instrument :
MSVOA_Y
ClientSampleId :

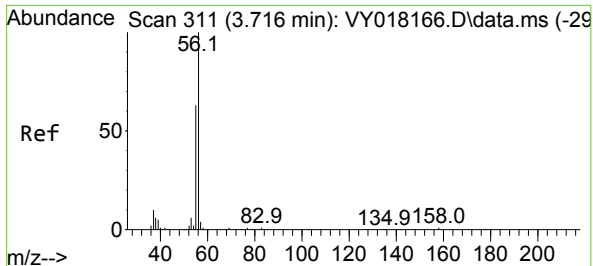
Tgt Ion:168 Resp: 176983
Ion Ratio Lower Upper
168 100
99 52.5 39.1 58.7



#11
Tert butyl alcohol
Concen: 13.688 ug/l
RT: 4.911 min Scan# 507
Delta R.T. -0.037 min
Lab File: VY018198.D
Acq: 08 May 2024 19:12

Tgt Ion: 59 Resp: 2847
Ion Ratio Lower Upper
59 100
57 0.7 3.0 4.6#

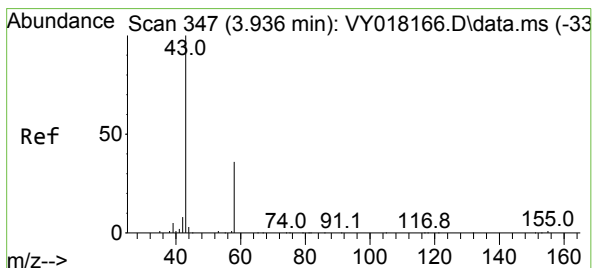
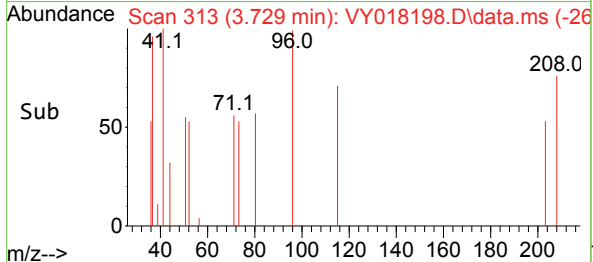
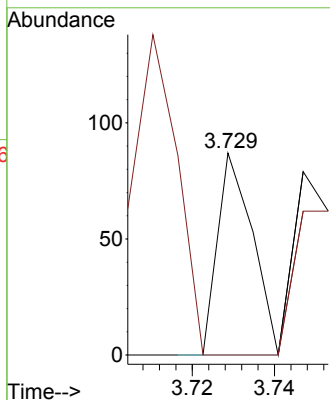
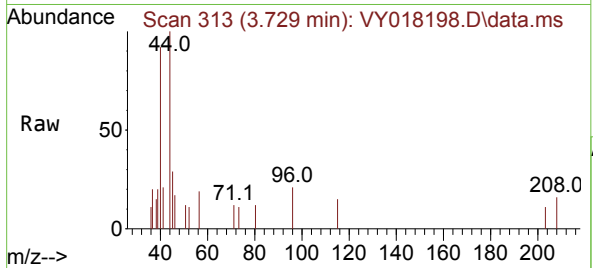




#13
Acrolein
Concen: Below Cal
RT: 3.729 min Scan# 311
Delta R.T. 0.013 min
Lab File: VY018198.D
Acq: 08 May 2024 19:12

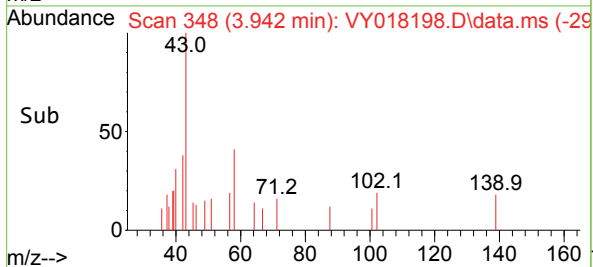
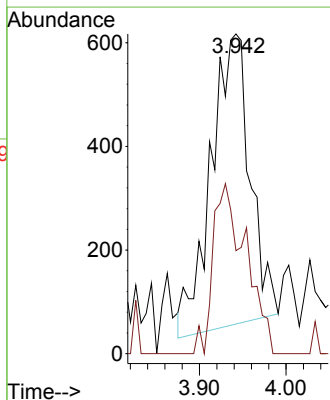
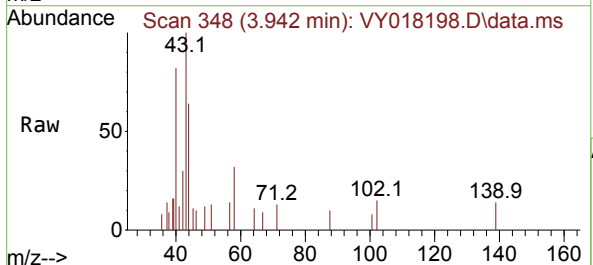
Instrument :
MSVOA_Y
ClientSampleId :

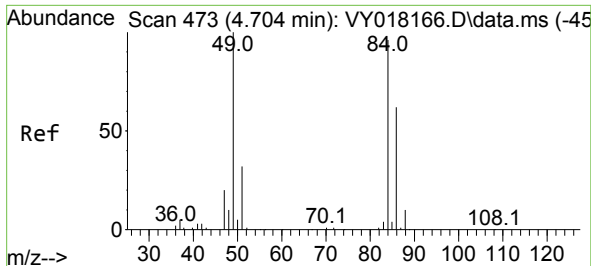
Tgt Ion: 56 Resp: 51
Ion Ratio Lower Upper
56 100
55 160.8 55.7 83.5#



#16
Acetone
Concen: 6.812 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY018198.D
Acq: 08 May 2024 19:12

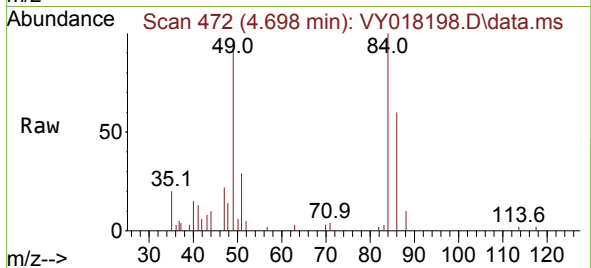
Tgt Ion: 43 Resp: 1770
Ion Ratio Lower Upper
43 100
58 36.9 31.7 47.5



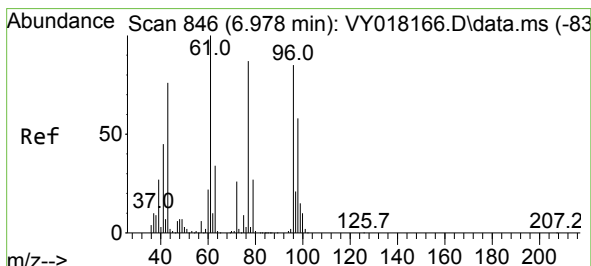
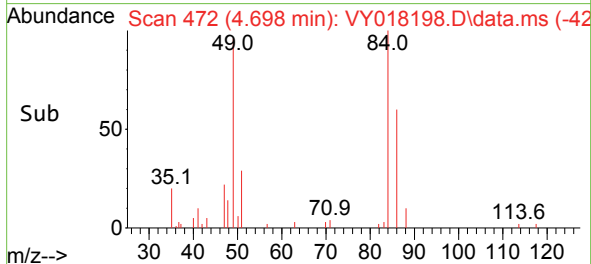
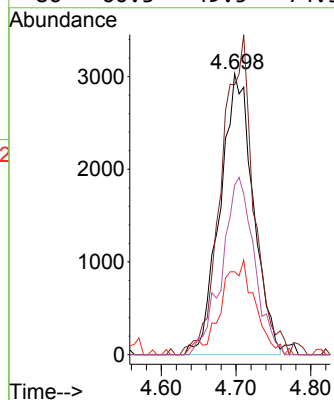


#20
Methylene Chloride
Concen: 5.109 ug/l
RT: 4.698 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY018198.D
Acq: 08 May 2024 19:12

Instrument :
MSVOA_Y
ClientSampleId :

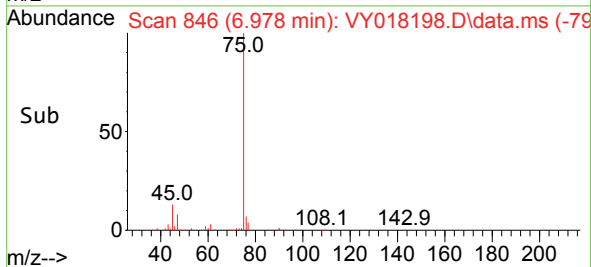
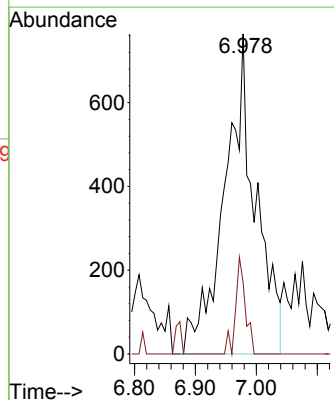
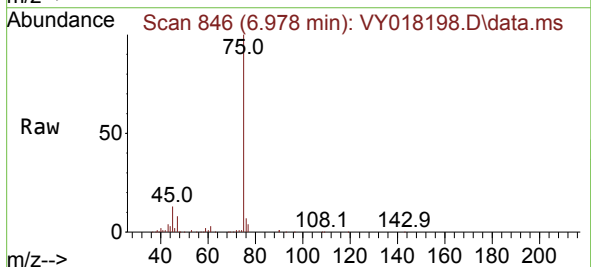


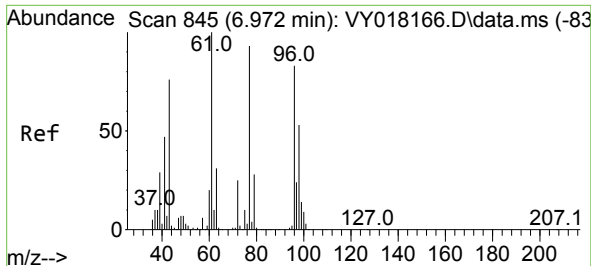
Tgt Ion:	84	Resp:	9382
Ion	Ratio	Lower	Upper
84	100		
49	96.1	84.4	126.6
51	29.5	26.0	39.0
86	60.3	49.5	74.3



#25
2-Butanone
Concen: 6.465 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY018198.D
Acq: 08 May 2024 19:12

Tgt Ion:	43	Resp:	2685
Ion	Ratio	Lower	Upper
43	100		
72	22.4	27.3	40.9#





#26

2,2-Dichloropropane

Concen: 1.087 ug/l

RT: 6.966 min Scan# 845

Delta R.T. -0.006 min

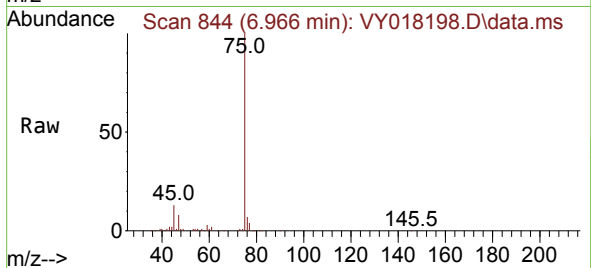
Lab File: VY018198.D

Acq: 08 May 2024 19:12

Instrument :

MSVOA_Y

ClientSampleId :

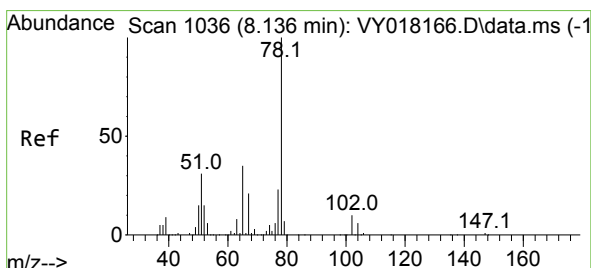
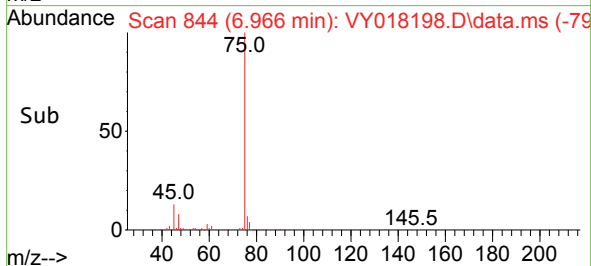
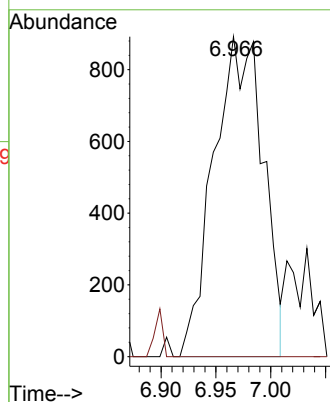


Tgt Ion: 77 Resp: 2799

Ion Ratio Lower Upper

77 100

97 0.0 12.0 36.1#



#33

1,2-Dichloroethane-d4

Concen: 61.209 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY018198.D

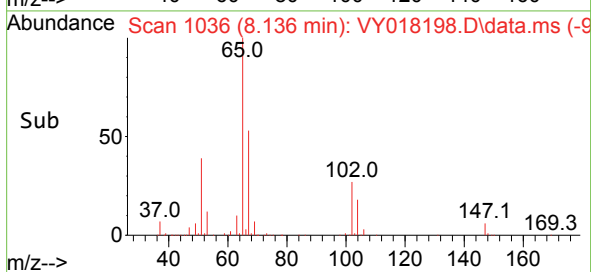
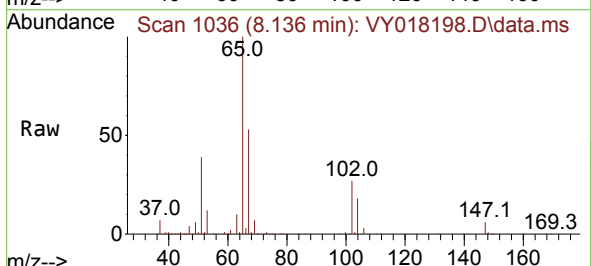
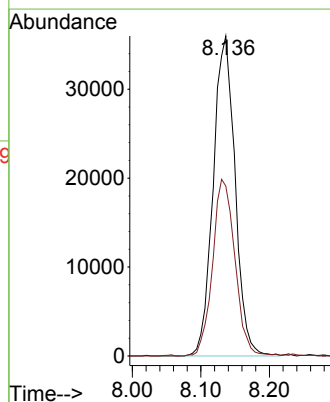
Acq: 08 May 2024 19:12

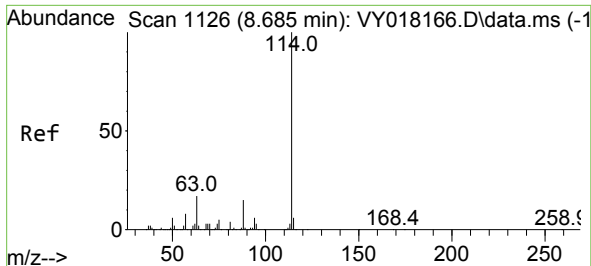
Tgt Ion: 65 Resp: 79695

Ion Ratio Lower Upper

65 100

67 56.4 0.0 109.6

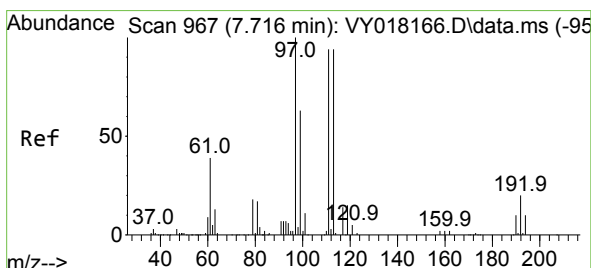
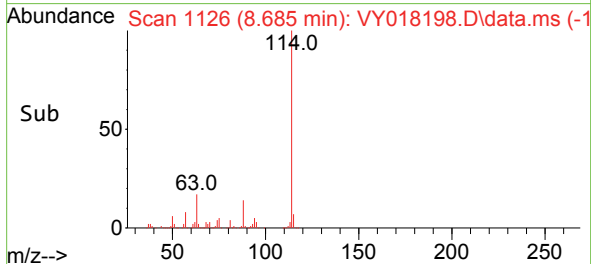
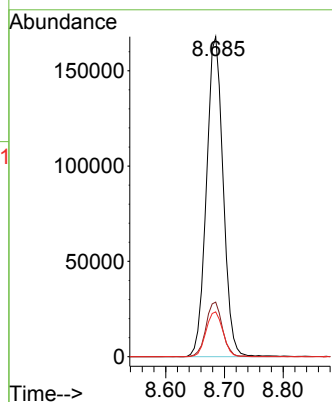
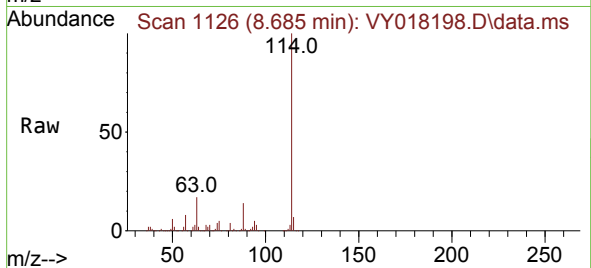




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY018198.D
Acq: 08 May 2024 19:12

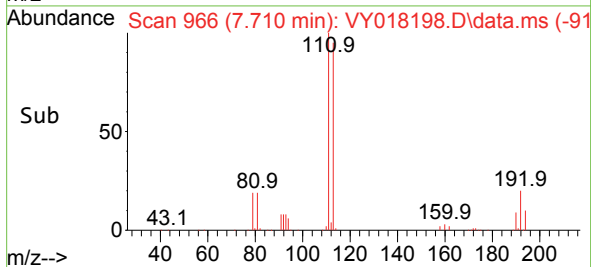
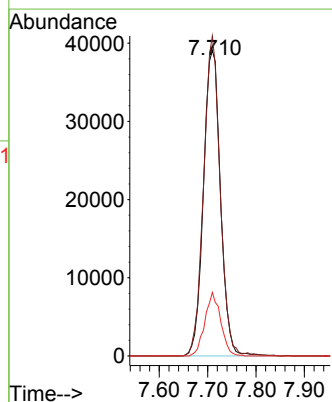
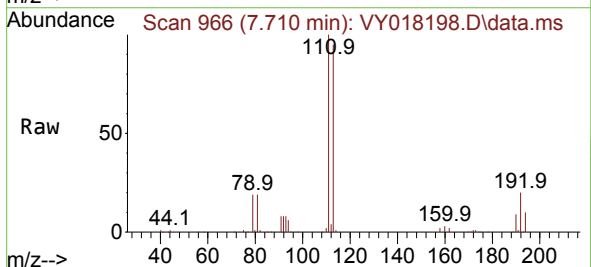
Instrument :
MSVOA_Y
ClientSampleId :

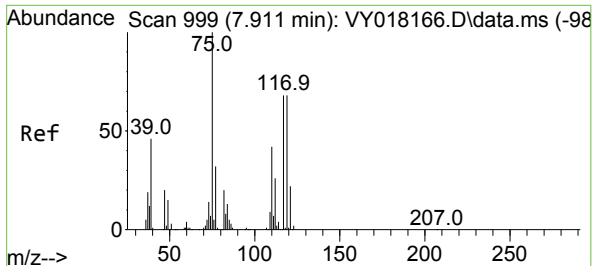
Tgt Ion:114 Resp: 331228
Ion Ratio Lower Upper
114 100
63 17.0 0.0 35.0
88 14.0 0.0 27.2



#35
Dibromofluoromethane
Concen: 55.000 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY018198.D
Acq: 08 May 2024 19:12

Tgt Ion:113 Resp: 95742
Ion Ratio Lower Upper
113 100
111 101.7 82.2 123.4
192 19.3 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.262 ug/l

RT: 7.777 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY018198.D

Acq: 08 May 2024 19:12

Instrument :

MSVOA_Y

ClientSampleId :

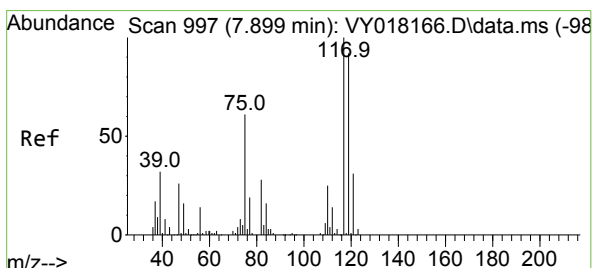
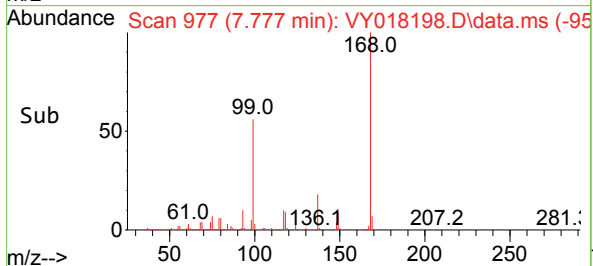
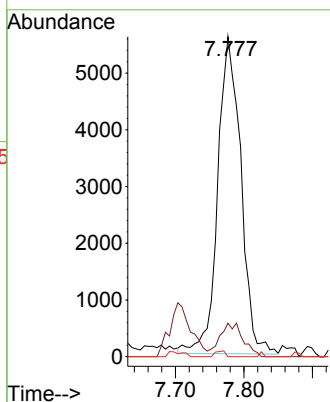
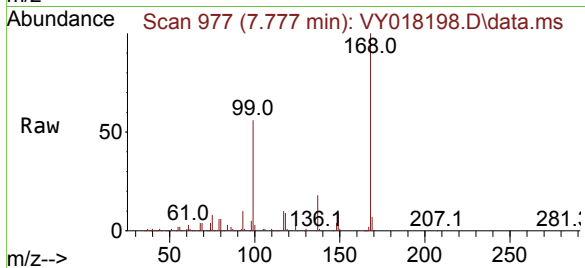
Tgt Ion: 75 Resp: 13132

Ion Ratio Lower Upper

75 100

110 10.6 19.0 57.0#

77 0.8 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.399 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY018198.D

Acq: 08 May 2024 19:12

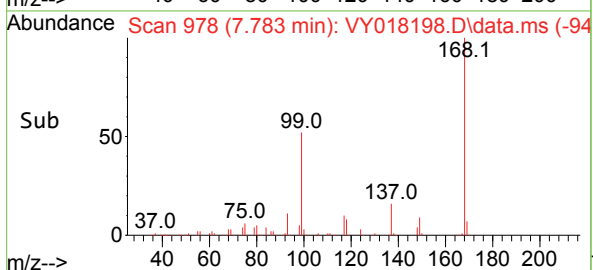
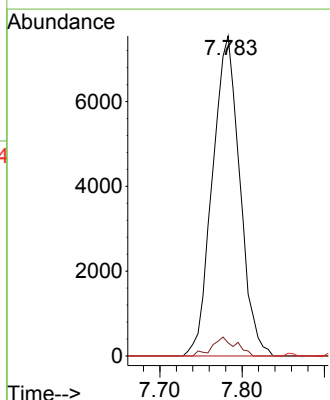
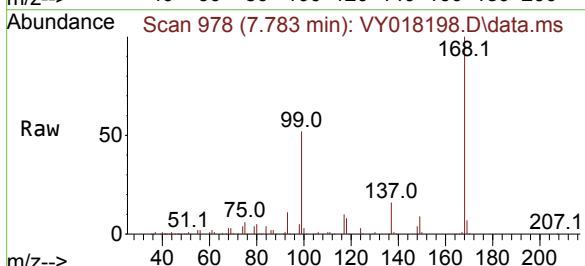
Tgt Ion: 117 Resp: 17449

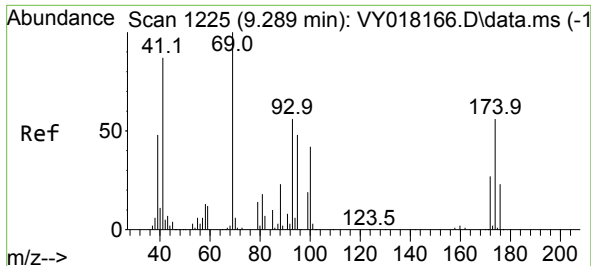
Ion Ratio Lower Upper

117 100

119 4.1 75.8 113.6#

121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 6.497 ug/l

RT: 9.270 min Scan# 11

Delta R.T. -0.018 min

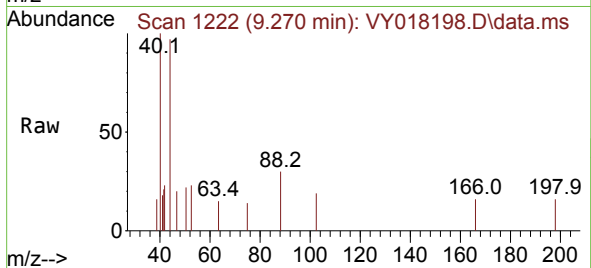
Lab File: VY018198.D

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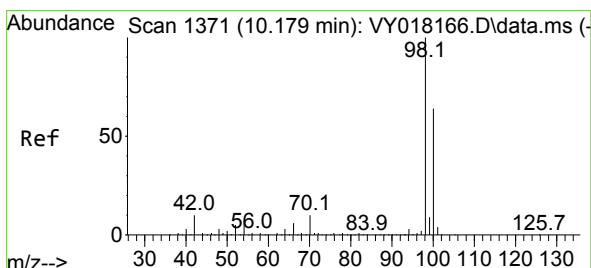
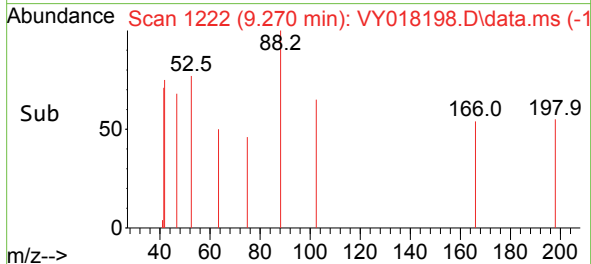
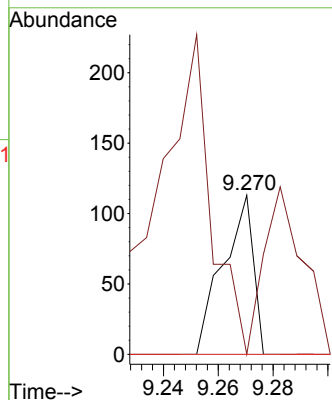
Tgt Ion: 88 Resp: 87

Ion Ratio Lower Upper

88 100

43 134.5 0.0 0.0#

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 54.456 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. -0.006 min

Lab File: VY018198.D

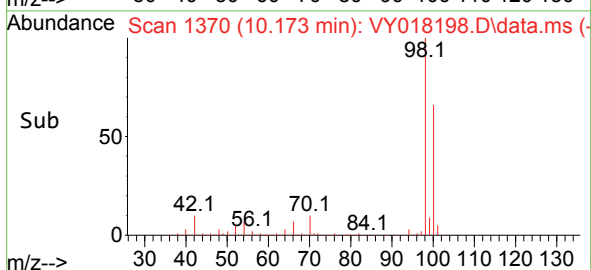
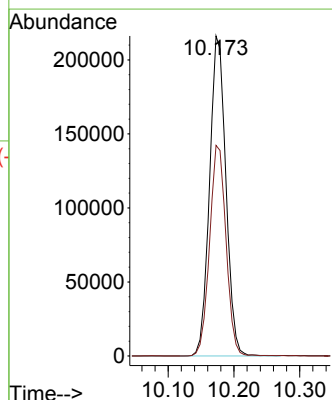
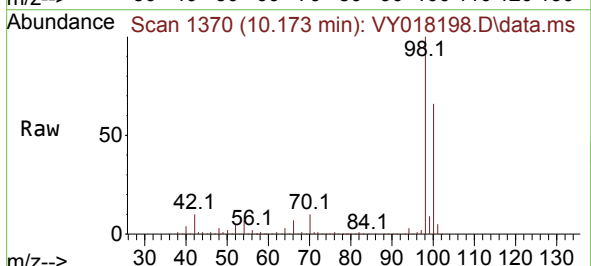
Acq: 08 May 2024 19:12

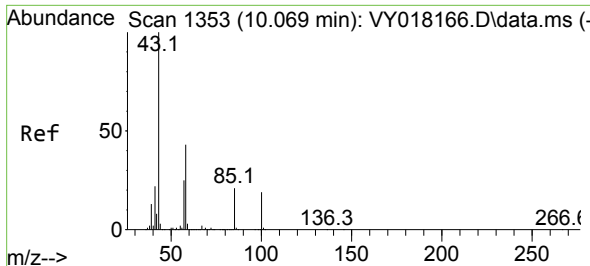
Tgt Ion: 98 Resp: 373553

Ion Ratio Lower Upper

98 100

100 66.2 52.0 78.0

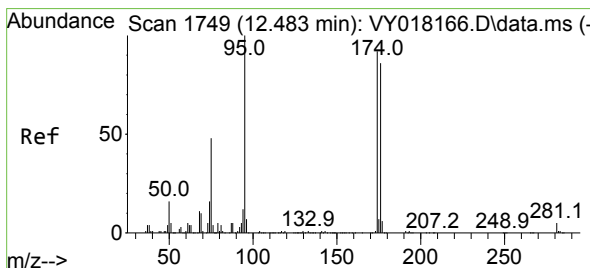
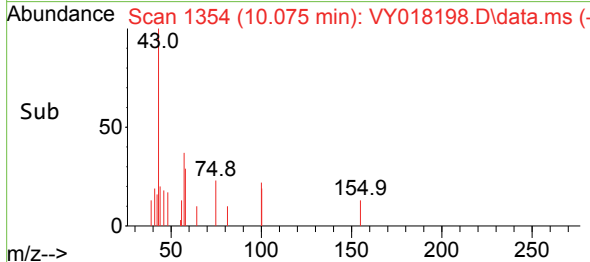
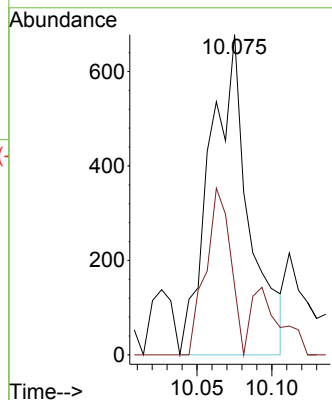
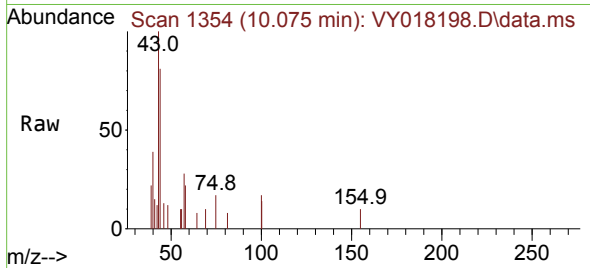




#51
4-Methyl-2-Pentanone
Concen: 1.137 ug/l
RT: 10.075 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY018198.D
Acq: 08 May 2024 19:12

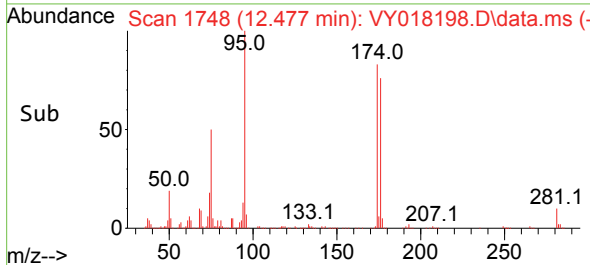
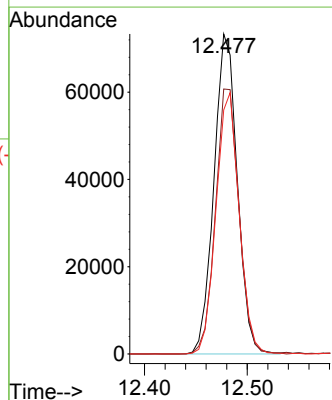
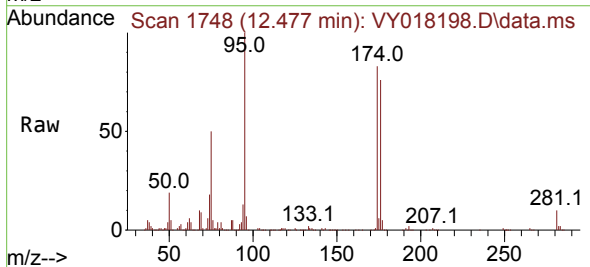
Instrument :
MSVOA_Y
ClientSampleId :

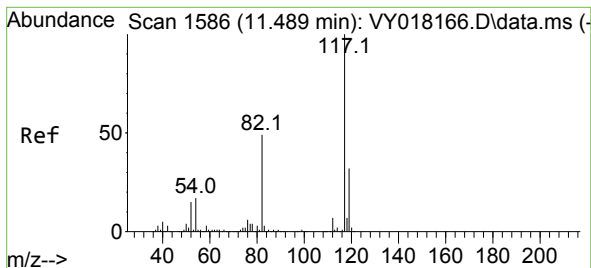
Tgt Ion: 43 Resp: 1230
Ion Ratio Lower Upper
43 100
58 33.1 35.7 53.5#



#62
4-Bromofluorobenzene
Concen: 52.233 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY018198.D
Acq: 08 May 2024 19:12

Tgt Ion: 95 Resp: 115710
Ion Ratio Lower Upper
95 100
174 83.3 0.0 175.6
176 80.9 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: VY018198.D

Acq: 08 May 2024 19:12

Instrument :

MSVOA_Y

ClientSampleId :

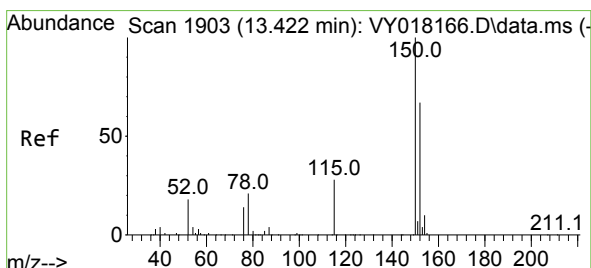
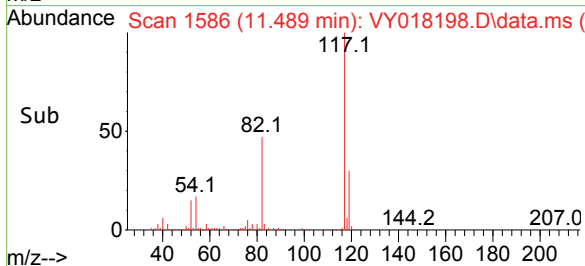
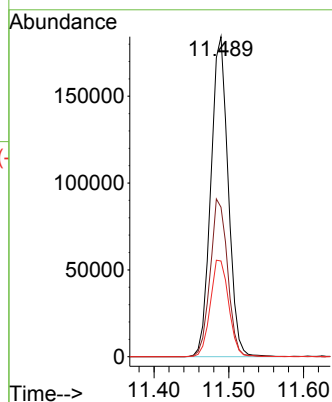
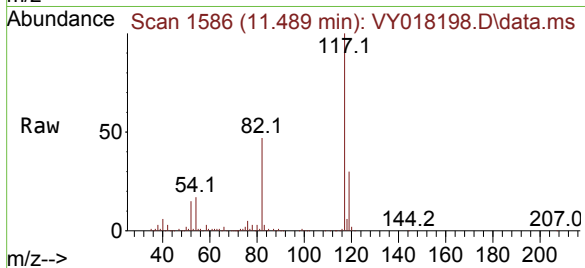
Tgt Ion:117 Resp: 296336

Ion Ratio Lower Upper

117 100

82 46.7 42.4 63.6

119 29.9 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: VY018198.D

Acq: 08 May 2024 19:12

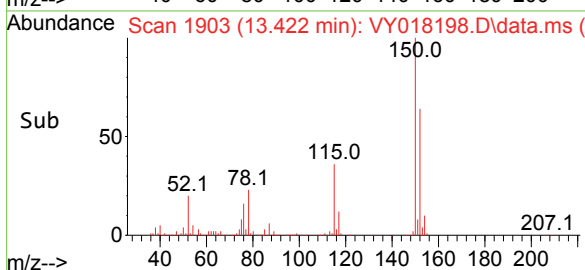
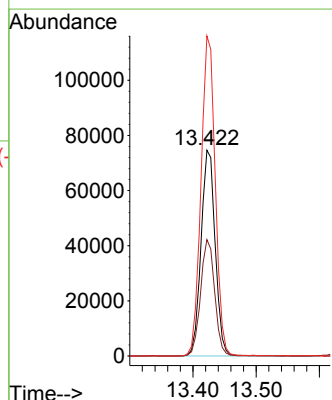
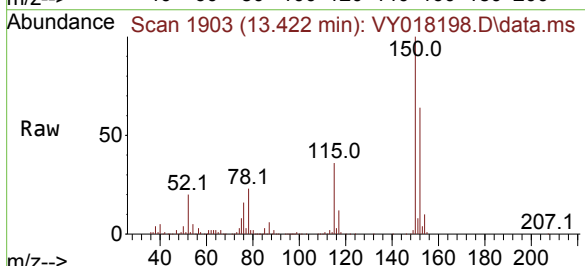
Tgt Ion:152 Resp: 116356

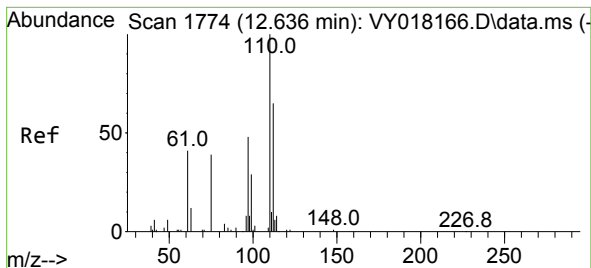
Ion Ratio Lower Upper

152 100

115 56.2 28.2 84.7

150 156.5 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 61.649 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

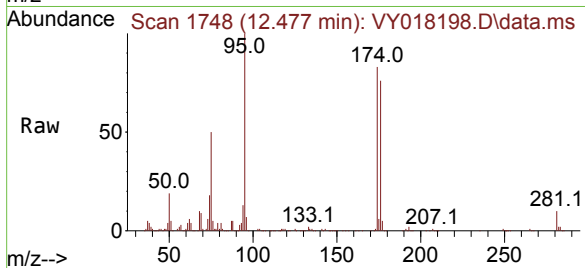
Lab File: VY018198.D

Acq: 08 May 2024 19:12

Instrument :

MSVOA_Y

ClientSampleId :

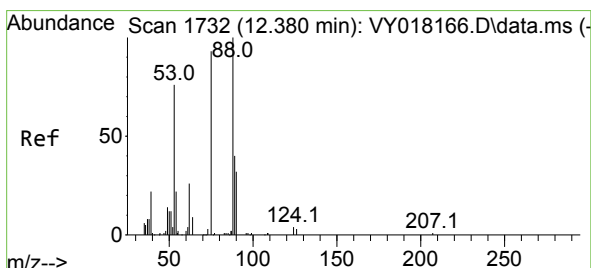
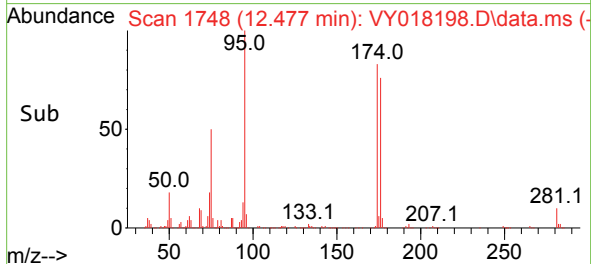
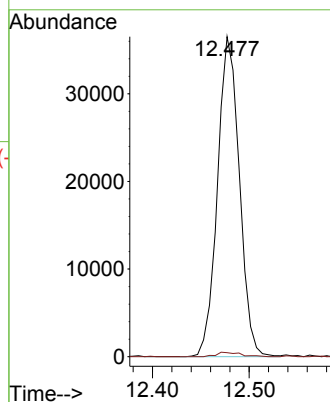


Tgt Ion: 75 Resp: 57417

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 118.777 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY018198.D

Acq: 08 May 2024 19:12

Tgt Ion: 75 Resp: 57417

Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

89 0.4 35.8 53.6#

