

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050824\
 Data File : VY018191.D
 Acq On : 08 May 2024 16:22
 Operator : SY/MD
 Sample : P2395-05
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 09 02:28:00 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)

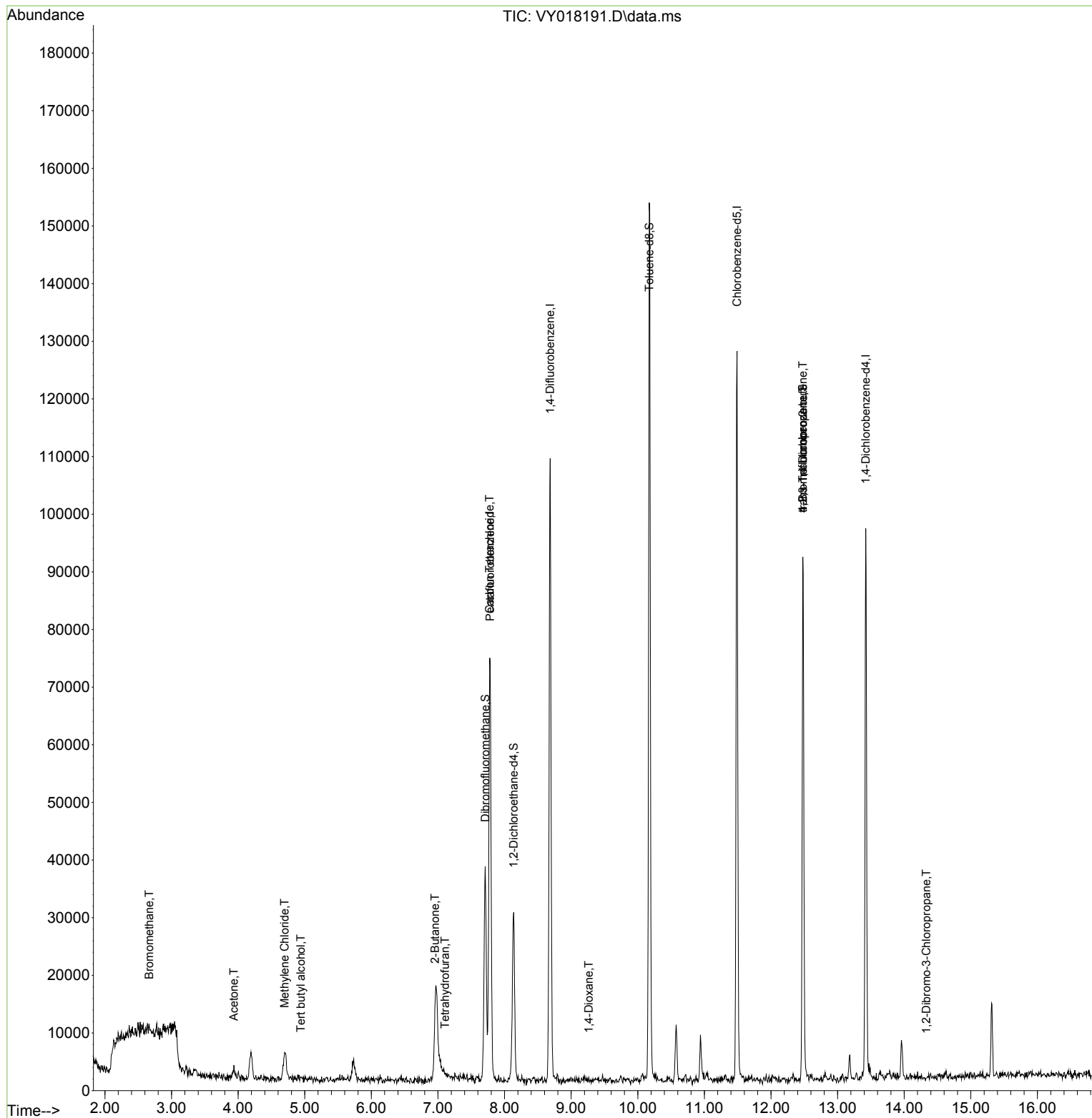
Internal Standards						
1) Pentafluorobenzene	7.783	168	57868	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	98430	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	73107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	26070	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	21596	50.729	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 101.460%		
35) Dibromofluoromethane	7.710	113	26527	51.280	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 102.560%		
50) Toluene-d8	10.173	98	103679	50.861	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 101.720%		
62) 4-Bromofluorobenzene	12.477	95	27459	41.712	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 83.420%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	571	1.104	ug/l #	47
11) Tert butyl alcohol	4.942	59	510	1.880	ug/l #	88
13) Acrolein	3.698	56	81	Below Cal	#	1
16) Acetone	3.936	43	3236	38.090	ug/l #	85
20) Methylene Chloride	4.698	84	3994	6.651	ug/l #	91
25) 2-Butanone	6.954	43	832	6.127	ug/l #	70
29) Tetrahydrofuran	7.106	42	107	1.194	ug/l	92
31) Cyclohexane	7.771	56	1391	Below Cal	#	1
38) Carbon Tetrachloride	7.777	117	5622	6.938	ug/l #	17
49) 1,4-Dioxane	9.264	88	58	14.575	ug/l #	94
76) 1,2,3-Trichloropropane	12.477	75	13582	65.087	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	13582	125.401	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.331	75	55	1.295	ug/l #	13

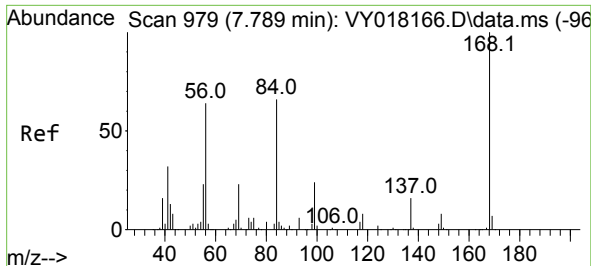
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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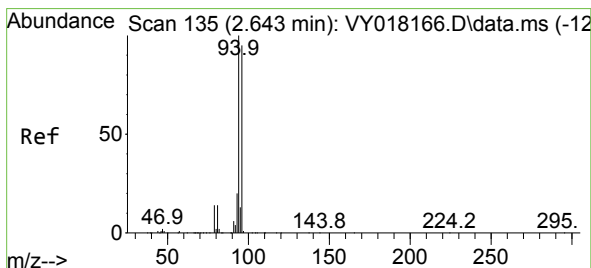
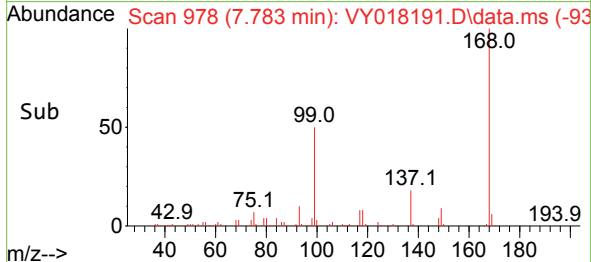
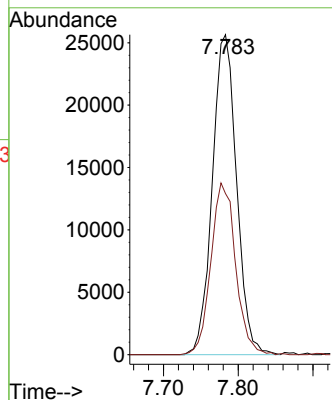
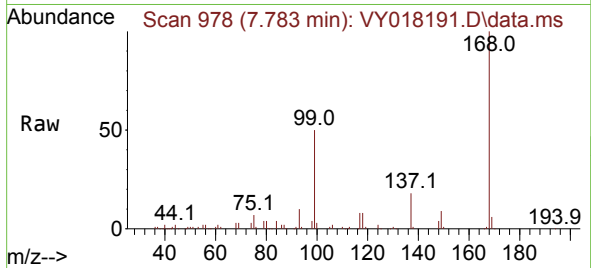




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018191.D
Acq: 08 May 2024 16:22

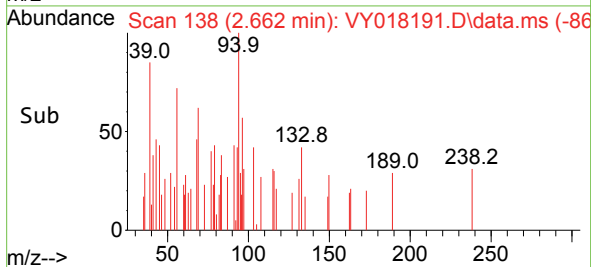
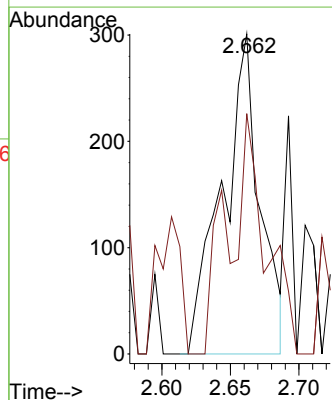
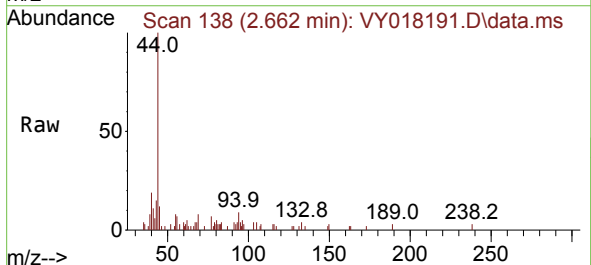
Instrument :
MSVOA_Y
ClientSampleId :

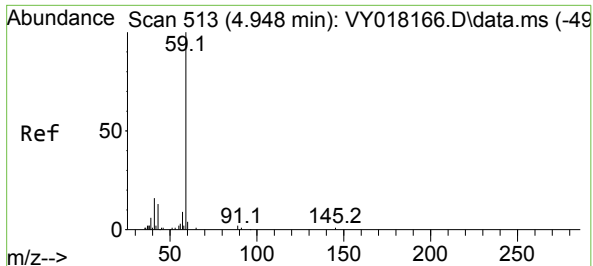
Tgt Ion:168 Resp: 57868
Ion Ratio Lower Upper
168 100
99 50.3 39.1 58.7



#5
Bromomethane
Concen: 1.104 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.018 min
Lab File: VY018191.D
Acq: 08 May 2024 16:22

Tgt Ion: 94 Resp: 571
Ion Ratio Lower Upper
94 100
96 41.5 74.1 111.1#

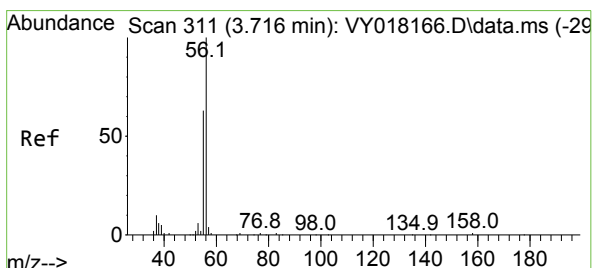
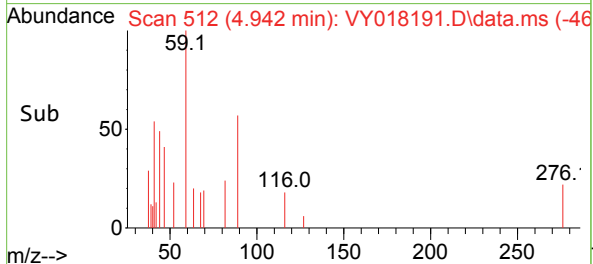
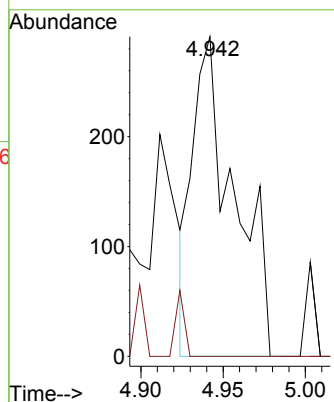
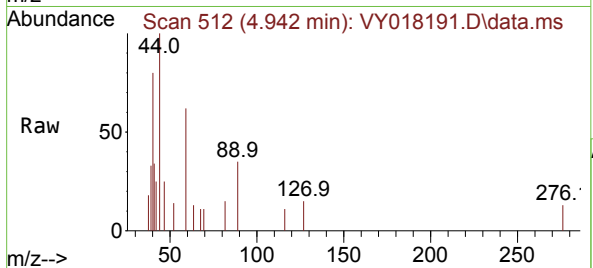




#11
Tert butyl alcohol
Concen: 1.880 ug/l
RT: 4.942 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY018191.D
Acq: 08 May 2024 16:22

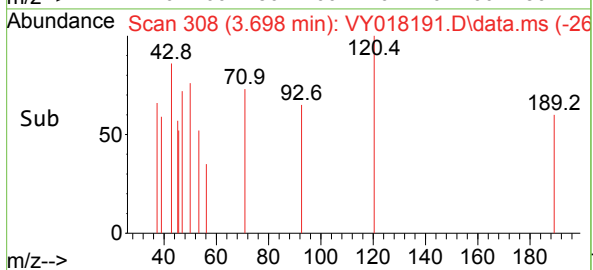
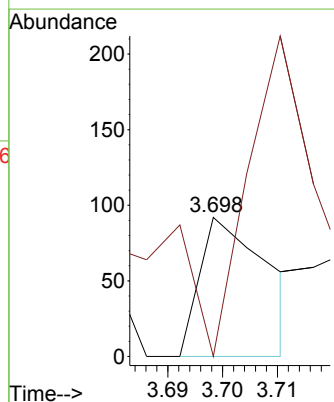
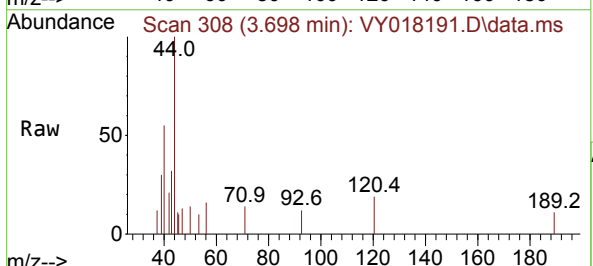
Instrument :
MSVOA_Y
ClientSampleId :

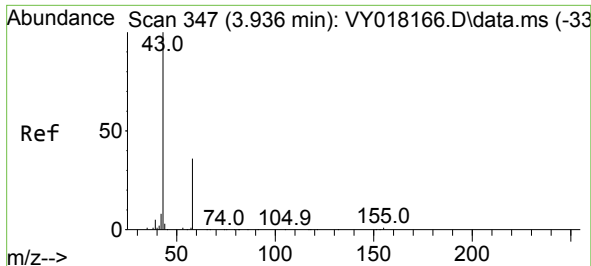
Tgt Ion: 59 Resp: 510
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



#13
Acrolein
Concen: Below Cal
RT: 3.698 min Scan# 308
Delta R.T. -0.018 min
Lab File: VY018191.D
Acq: 08 May 2024 16:22

Tgt Ion: 56 Resp: 81
Ion Ratio Lower Upper
56 100
55 229.6 55.7 83.5#

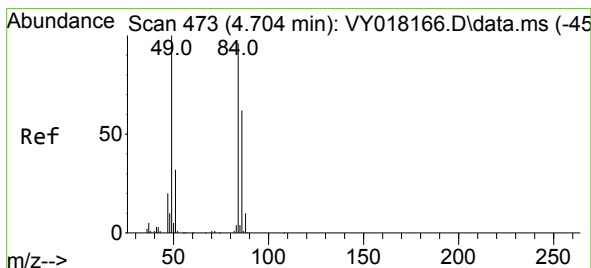
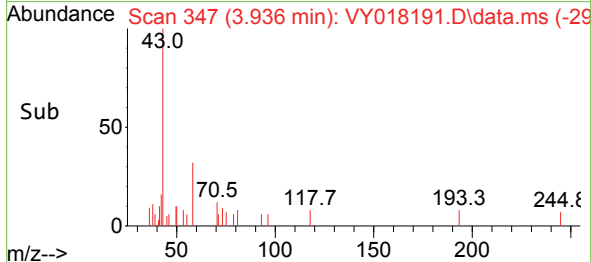
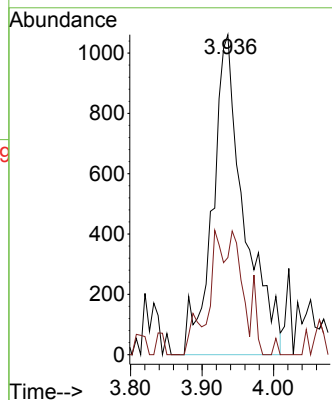
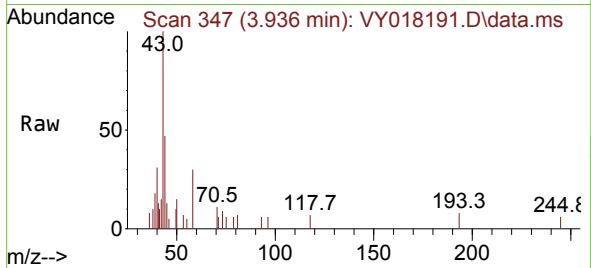




#16
Acetone
Concen: 38.090 ug/l
RT: 3.936 min Scan# 347
Delta R.T. 0.000 min
Lab File: VY018191.D
Acq: 08 May 2024 16:22

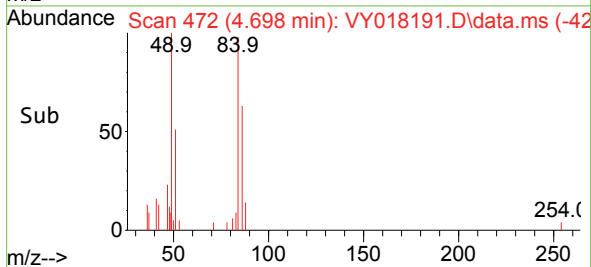
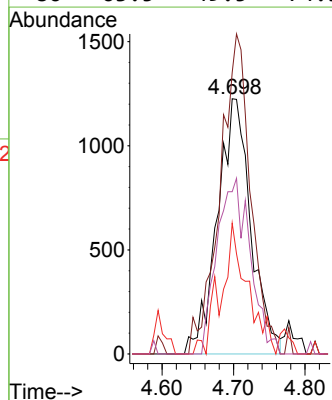
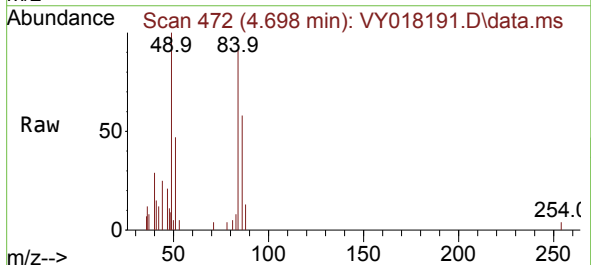
Instrument :
MSVOA_Y
ClientSampleId :

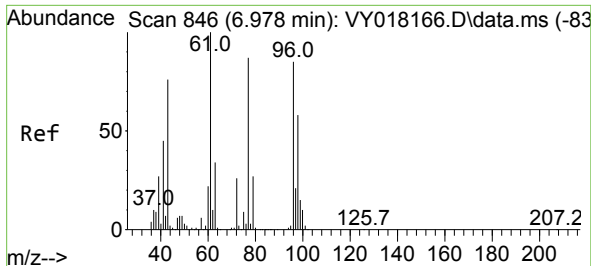
Tgt Ion: 43 Resp: 3236
Ion Ratio Lower Upper
43 100
58 30.3 31.7 47.5#



#20
Methylene Chloride
Concen: 6.651 ug/l
RT: 4.698 min Scan# 472
Delta R.T. -0.006 min
Lab File: VY018191.D
Acq: 08 May 2024 16:22

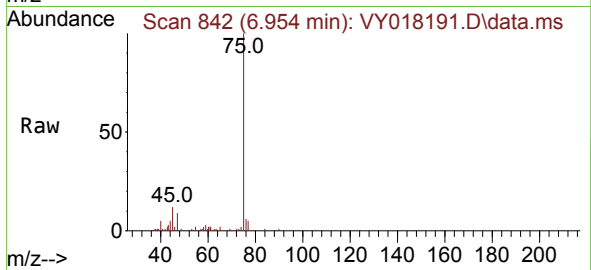
Tgt Ion: 84 Resp: 3994
Ion Ratio Lower Upper
84 100
49 110.3 84.4 126.6
51 51.3 26.0 39.0#
86 63.5 49.5 74.3



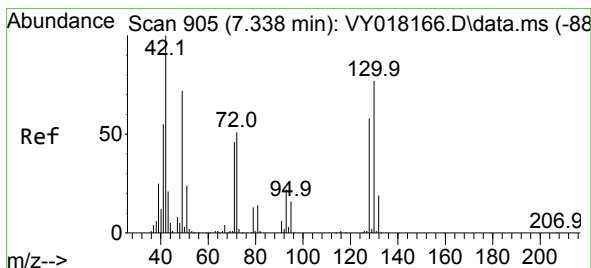
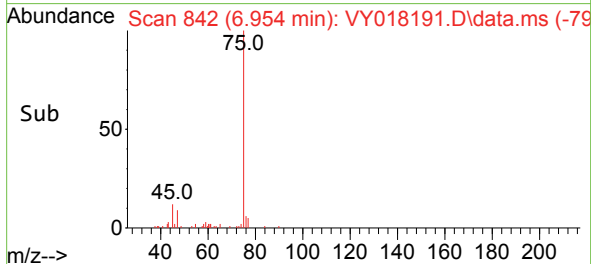
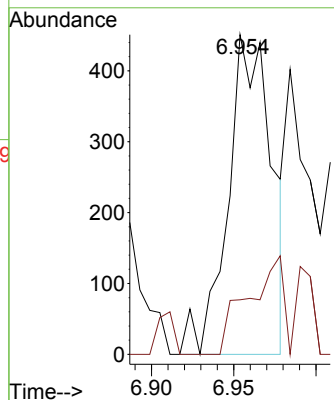


#25
2-Butanone
Concen: 6.127 ug/l
RT: 6.954 min Scan# 84
Delta R.T. -0.024 min
Lab File: VY018191.D
Acq: 08 May 2024 16:22

Instrument :
MSVOA_Y
ClientSampleId :

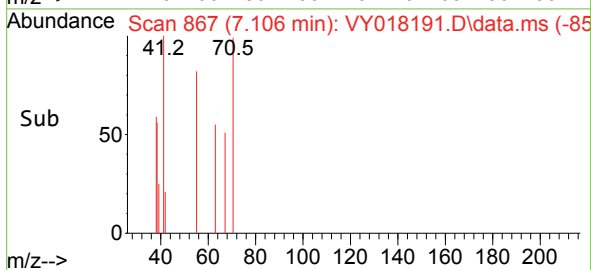
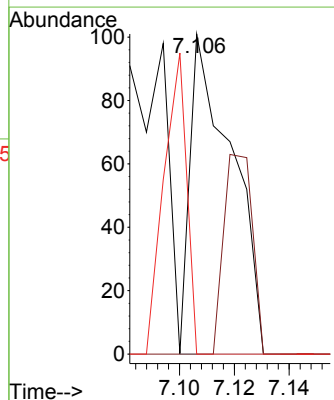
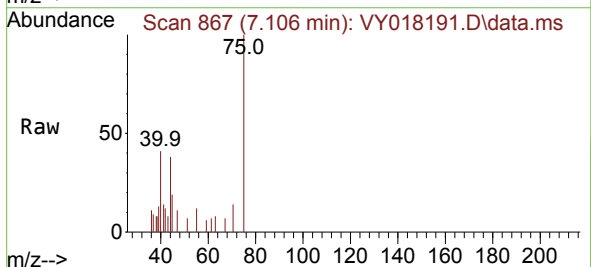


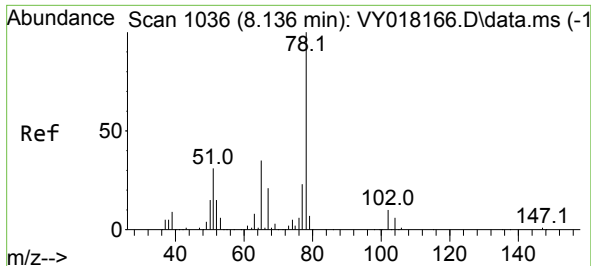
Tgt Ion: 43 Resp: 832
Ion Ratio Lower Upper
43 100
72 17.1 27.3 40.9#



#29
Tetrahydrofuran
Concen: 1.194 ug/l
RT: 7.106 min Scan# 867
Delta R.T. -0.232 min
Lab File: VY018191.D
Acq: 08 May 2024 16:22

Tgt Ion: 42 Resp: 107
Ion Ratio Lower Upper
42 100
72 43.0 43.0 64.4
71 51.4 40.8 61.2

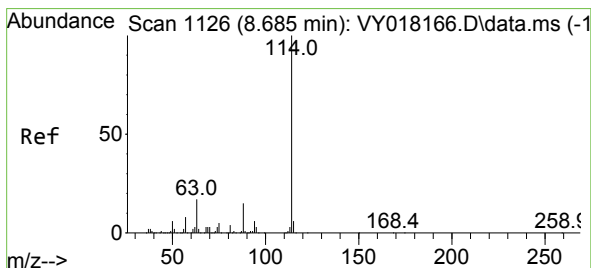
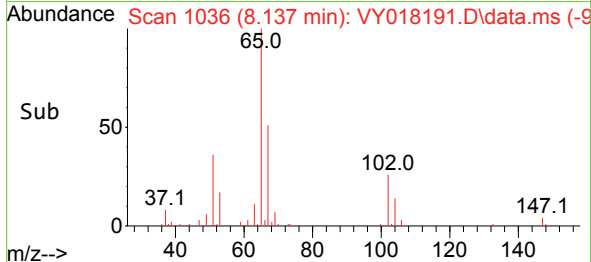
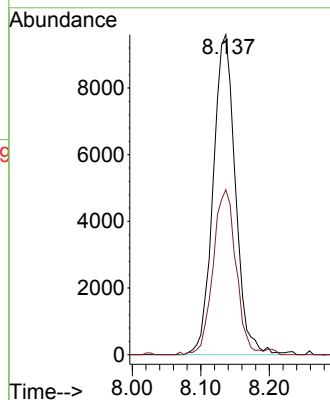
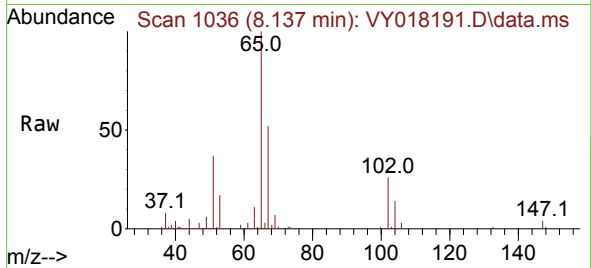




#33
1,2-Dichloroethane-d4
Concen: 50.729 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY018191.D
Acq: 08 May 2024 16:22

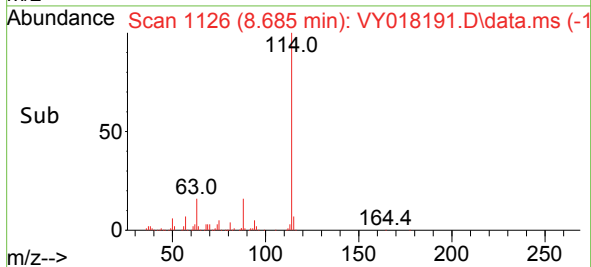
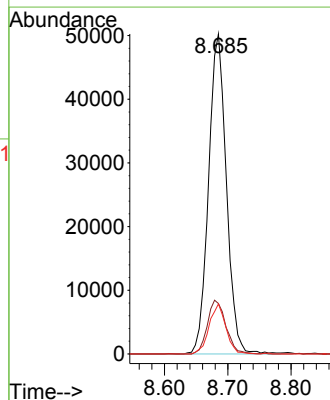
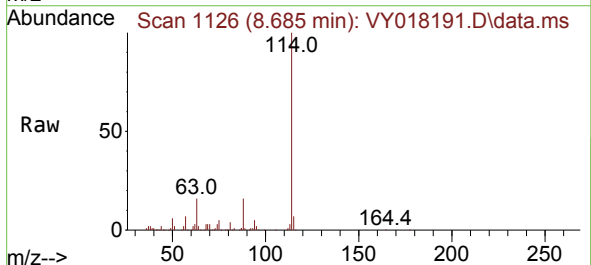
Instrument :
MSVOA_Y
ClientSampleId :

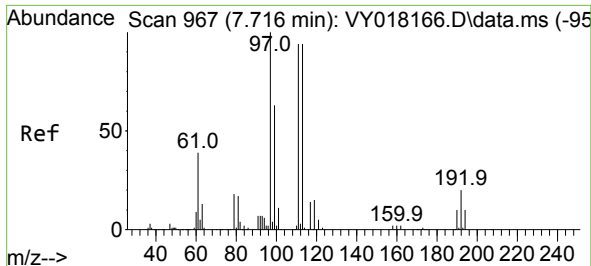
Tgt Ion: 65 Resp: 21596
Ion Ratio Lower Upper
65 100
67 53.2 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY018191.D
Acq: 08 May 2024 16:22

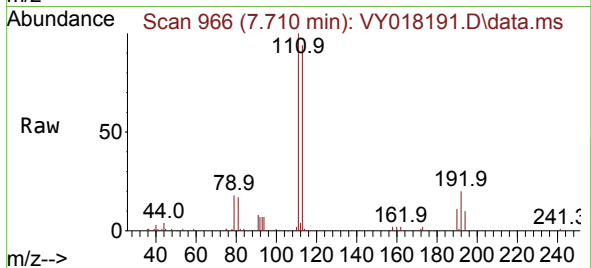
Tgt Ion: 114 Resp: 98430
Ion Ratio Lower Upper
114 100
63 15.8 0.0 35.0
88 15.7 0.0 27.2



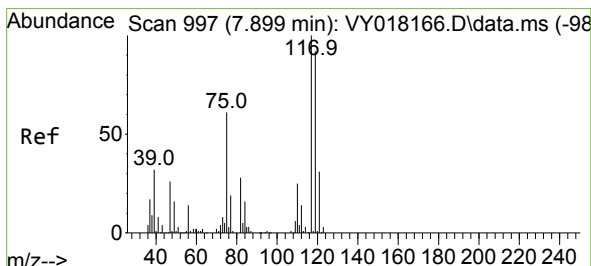
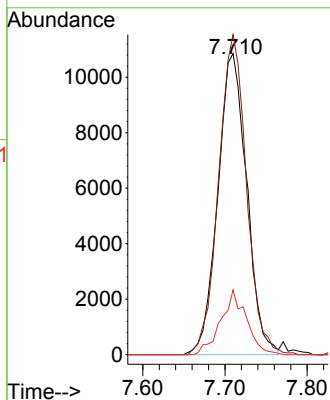
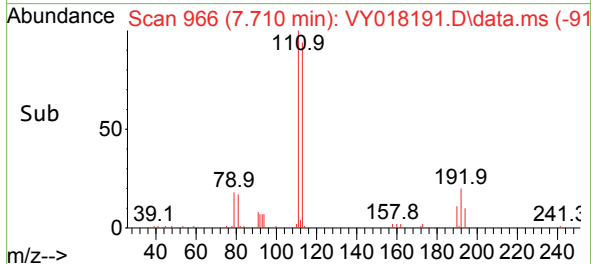


#35
Dibromofluoromethane
Concen: 51.280 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY018191.D
Acq: 08 May 2024 16:22

Instrument :
MSVOA_Y
ClientSampleId :

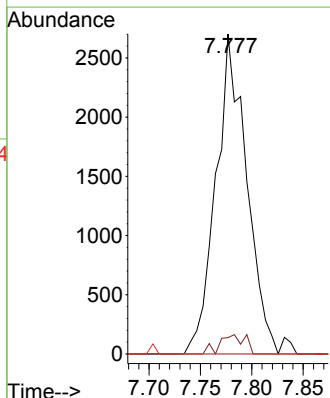
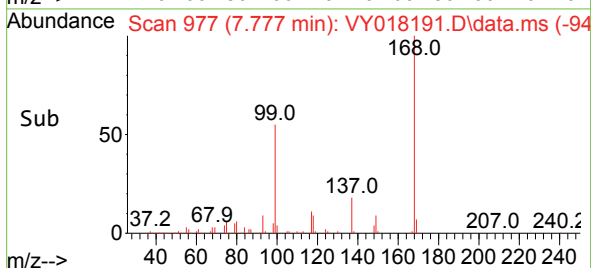
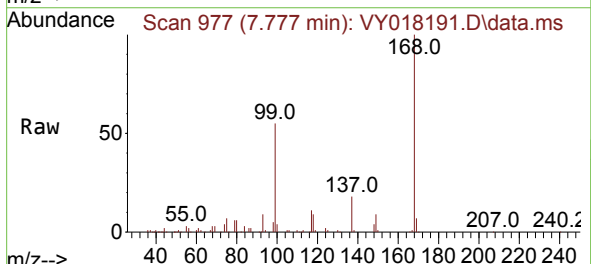


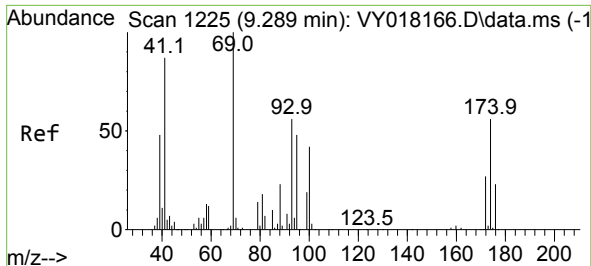
Tgt Ion:113 Resp: 26527
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.4
192 19.0 15.9 23.9



#38
Carbon Tetrachloride
Concen: 6.938 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.122 min
Lab File: VY018191.D
Acq: 08 May 2024 16:22

Tgt Ion:117 Resp: 5622
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.6#
121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 14.575 ug/l

RT: 9.264 min Scan# 11

Delta R.T. -0.024 min

Lab File: VY018191.D

Acq: 08 May 2024 16:22

Instrument :

MSVOA_Y

ClientSampleId :

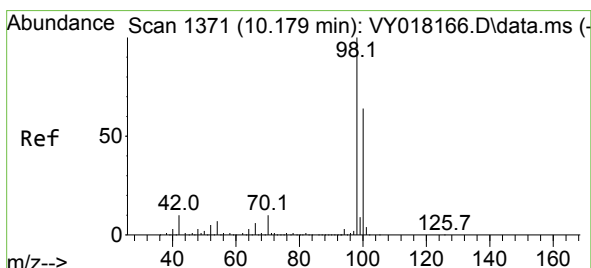
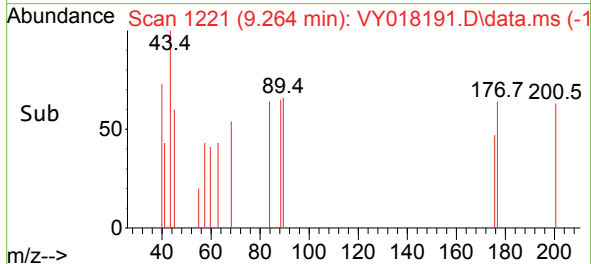
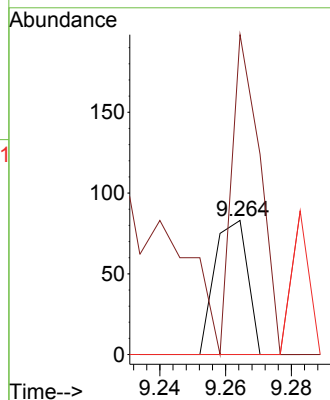
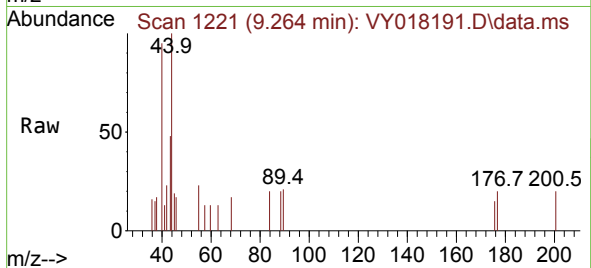
Tgt Ion: 88 Resp: 58

Ion Ratio Lower Upper

88 100

43 203.4 0.0 0.0#

58 56.9 49.3 73.9



#50

Toluene-d8

Concen: 50.861 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. -0.006 min

Lab File: VY018191.D

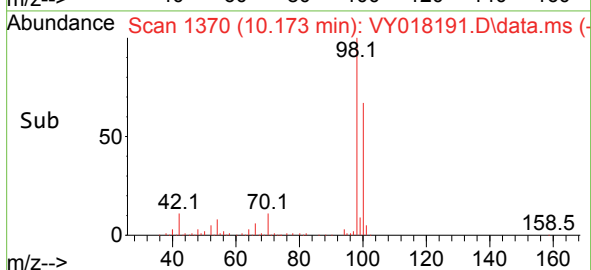
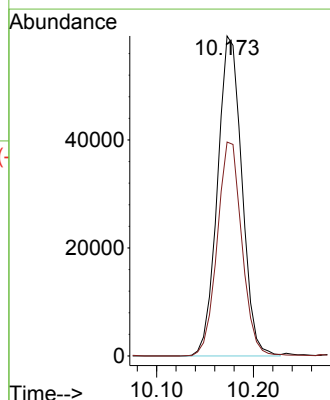
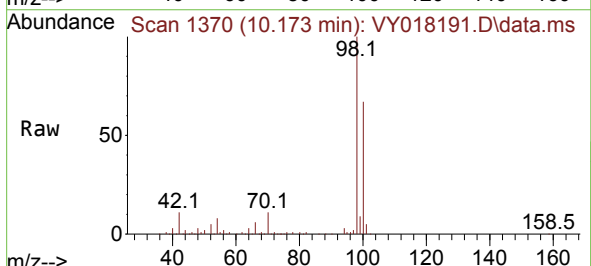
Acq: 08 May 2024 16:22

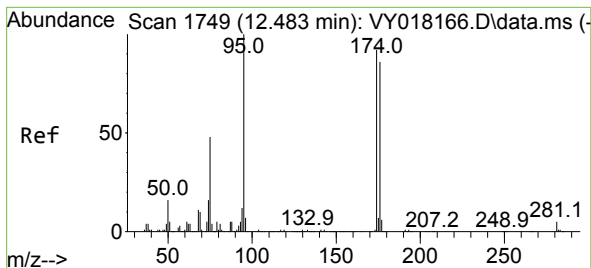
Tgt Ion: 98 Resp: 103679

Ion Ratio Lower Upper

98 100

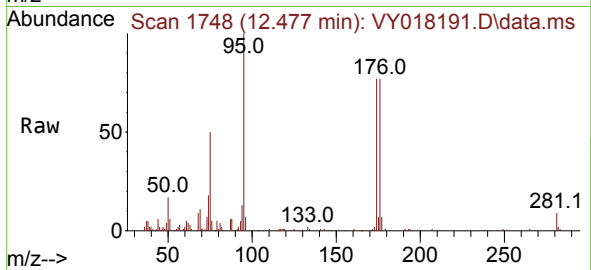
100 67.8 52.0 78.0



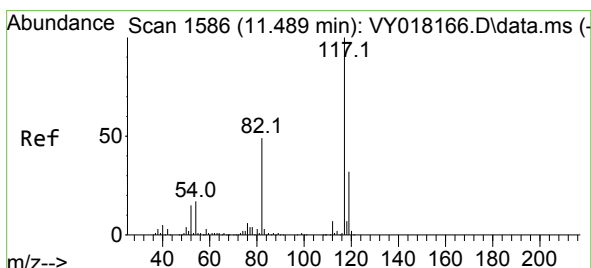
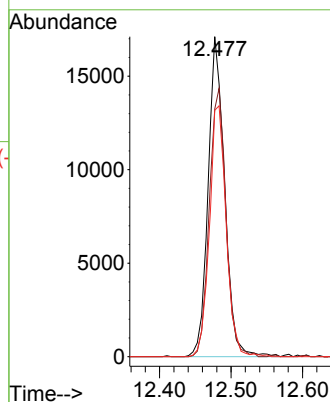
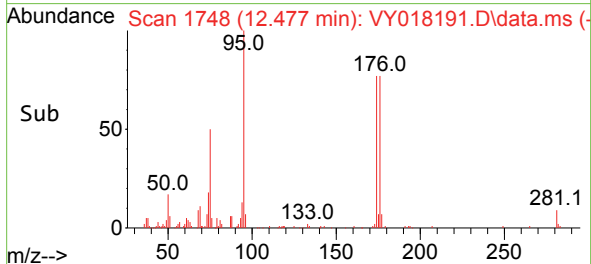


#62
4-Bromofluorobenzene
Concen: 41.712 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY018191.D
Acq: 08 May 2024 16:22

Instrument :
MSVOA_Y
ClientSampleId :

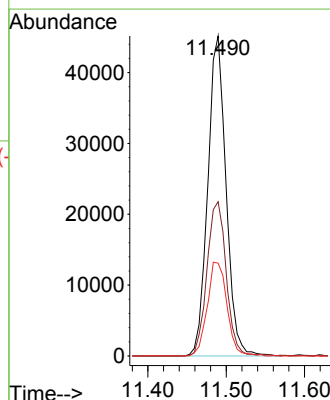
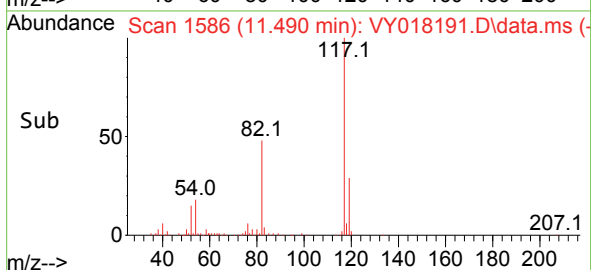
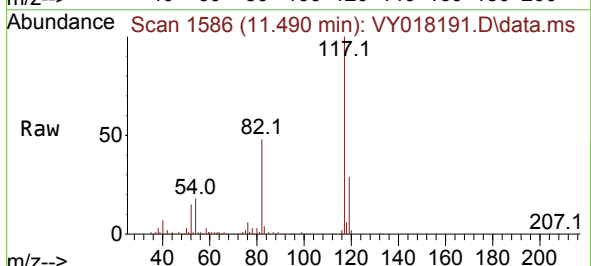


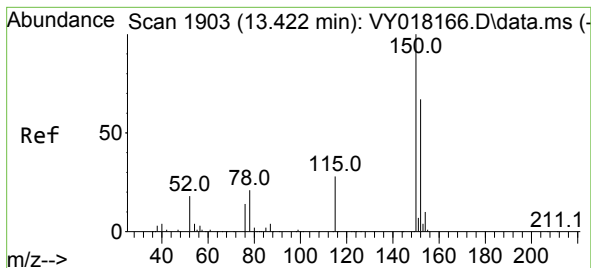
Tgt Ion: 95 Resp: 27459
Ion Ratio Lower Upper
95 100
174 84.7 0.0 175.6
176 79.5 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY018191.D
Acq: 08 May 2024 16:22

Tgt Ion: 117 Resp: 73107
Ion Ratio Lower Upper
117 100
82 48.2 42.4 63.6
119 29.0 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

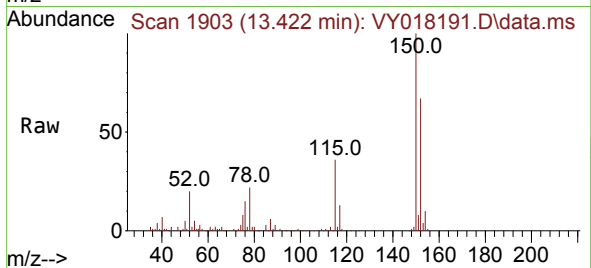
Lab File: VY018191.D

Acq: 08 May 2024 16:22

Instrument :

MSVOA_Y

ClientSampleId :



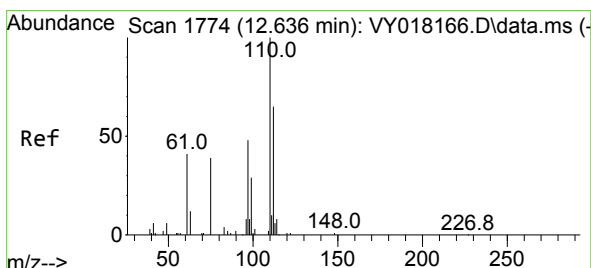
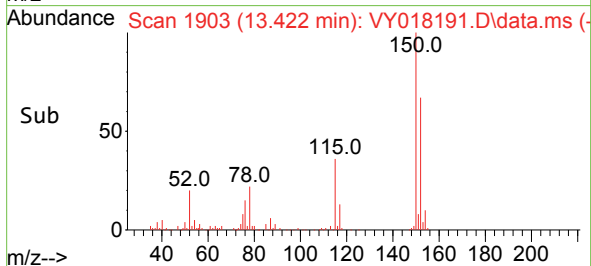
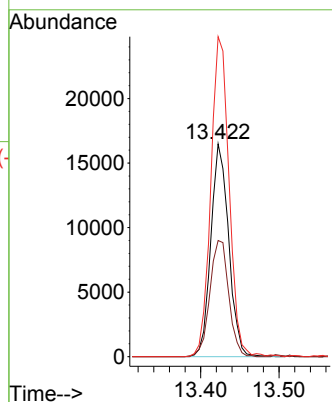
Tgt Ion:152 Resp: 26070

Ion Ratio Lower Upper

152 100

115 57.7 28.2 84.7

150 153.9 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 65.087 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY018191.D

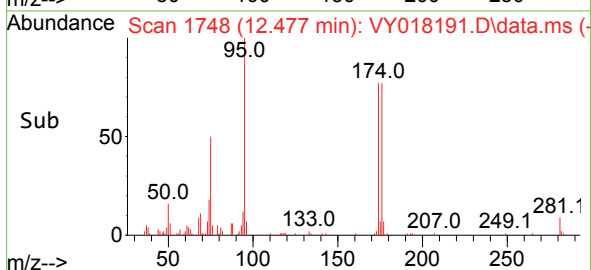
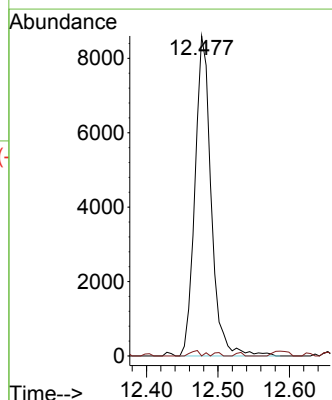
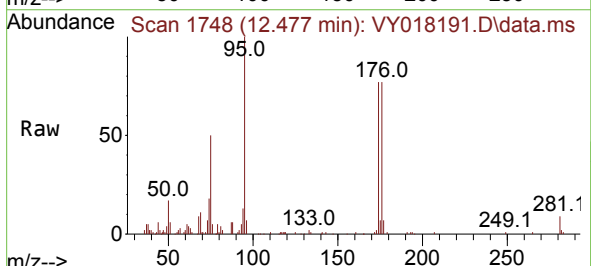
Acq: 08 May 2024 16:22

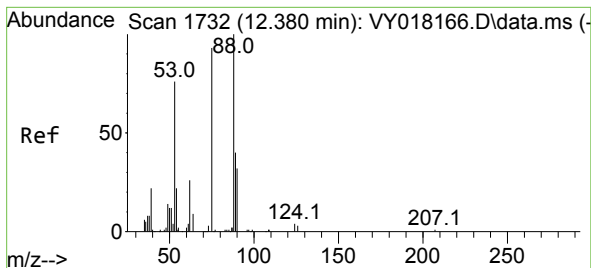
Tgt Ion: 75 Resp: 13582

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

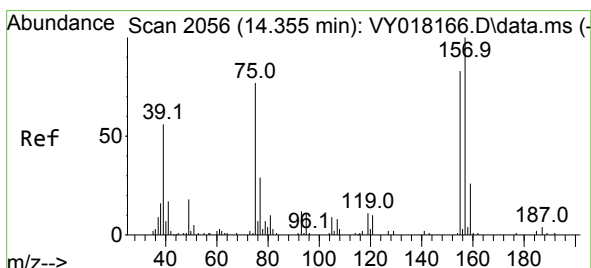
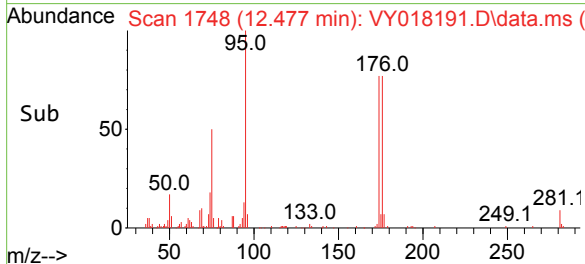
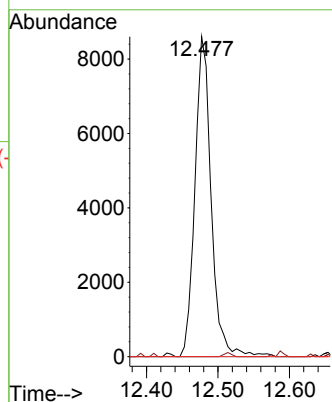
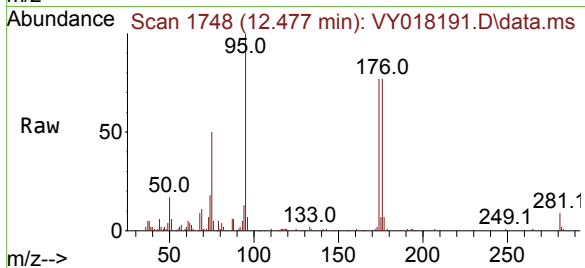




#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.401 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY018191.D
 Acq: 08 May 2024 16:22

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 75 Resp: 13582
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.0 35.8 53.6#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.295 ug/l
 RT: 14.331 min Scan# 2052
 Delta R.T. -0.024 min
 Lab File: VY018191.D
 Acq: 08 May 2024 16:22

Tgt Ion: 75 Resp: 55
 Ion Ratio Lower Upper
 75 100
 155 40.0 48.6 145.8#
 157 0.0 62.7 188.2#

