

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062724\
 Data File : VY018713.D
 Acq On : 27 Jun 2024 11:35
 Operator : SY/MD
 Sample : VY0627SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 28 03:11:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061324S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 14 07:08:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

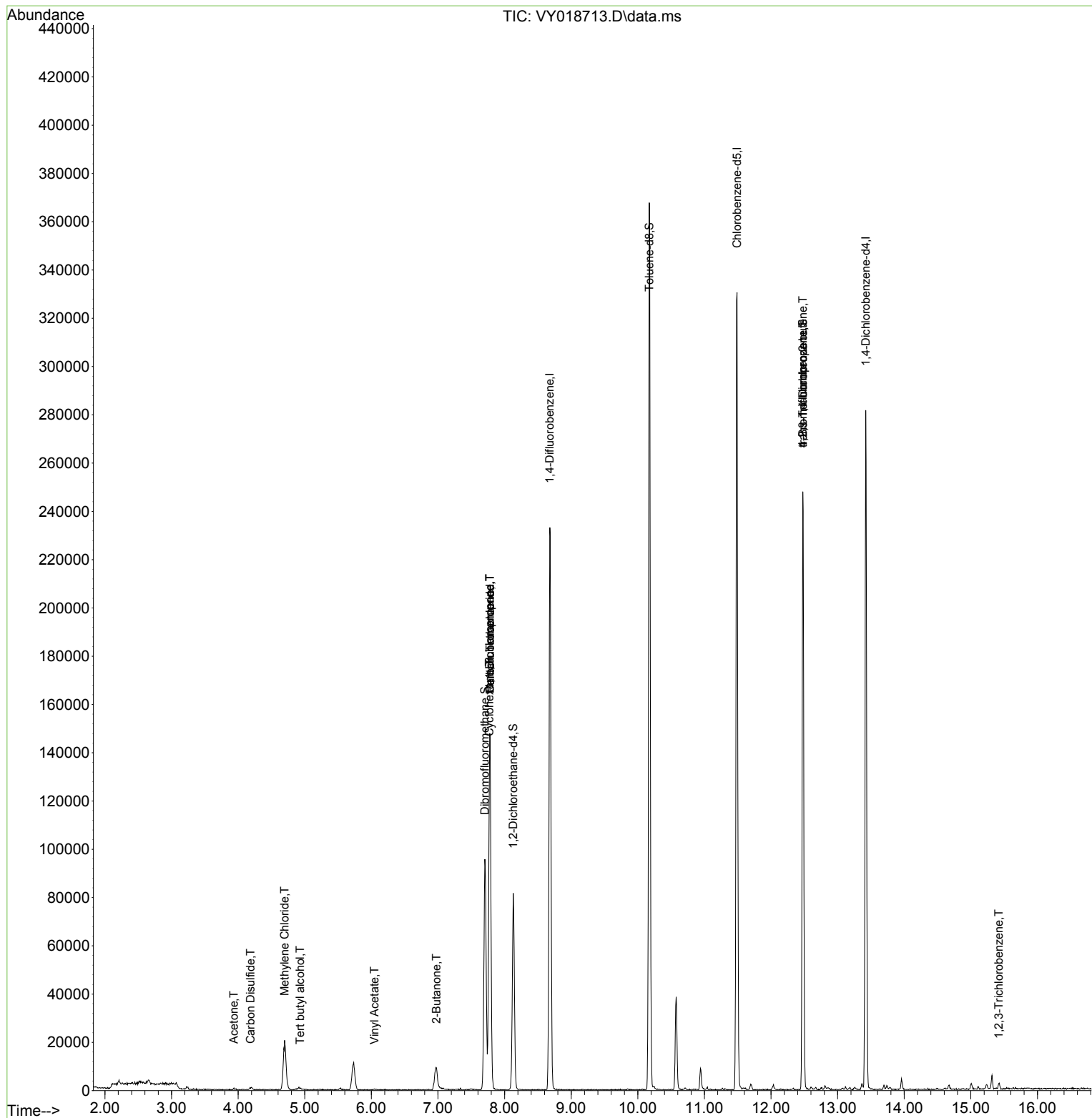
Internal Standards						
1) Pentafluorobenzene	7.783	168	120113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	212769	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	194010	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	75699	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	59771	49.427	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.860%		
35) Dibromofluoromethane	7.704	113	67561	52.053	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	104.100%		
50) Toluene-d8	10.173	98	245614	49.208	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.420%		
62) 4-Bromofluorobenzene	12.477	95	73594	46.693	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.380%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.930	59	443	2.037	ug/l #	88
16) Acetone	3.936	43	702	2.853	ug/l #	85
17) Carbon Disulfide	4.186	76	116	2.251	ug/l #	76
20) Methylene Chloride	4.698	84	15728	1.722	ug/l	89
23) Vinyl Acetate	6.045	43	359	23.788	ug/l #	67
25) 2-Butanone	6.978	43	616	1.670	ug/l #	41
31) Cyclohexane	7.771	56	2344	1.265	ug/l #	15
36) 1,1-Dichloropropene	7.777	75	8649	4.841	ug/l #	49
38) Carbon Tetrachloride	7.783	117	11234	5.994	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	37149	52.316	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	37149	137.035	ug/l #	16
96) 1,2,3-Trichlorobenzene	15.422	180	1070	1.032	ug/l	84

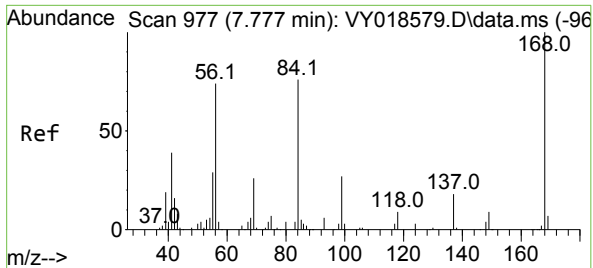
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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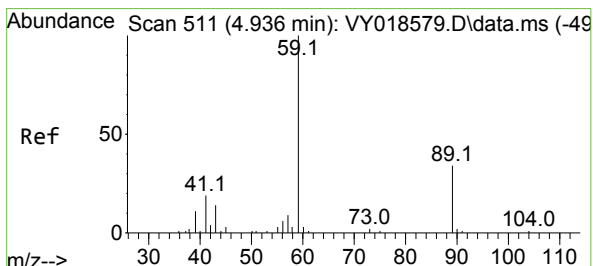
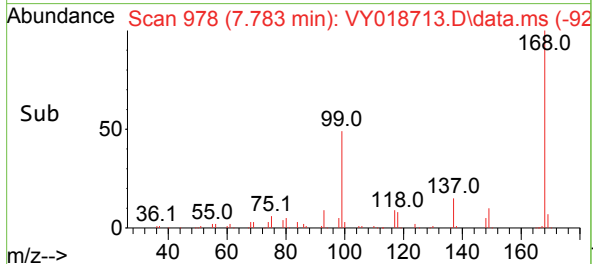
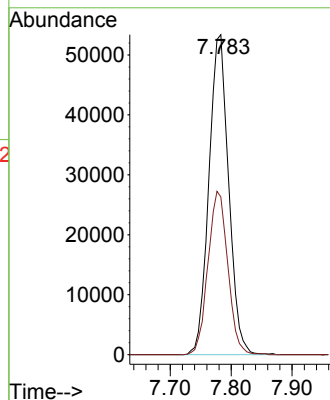
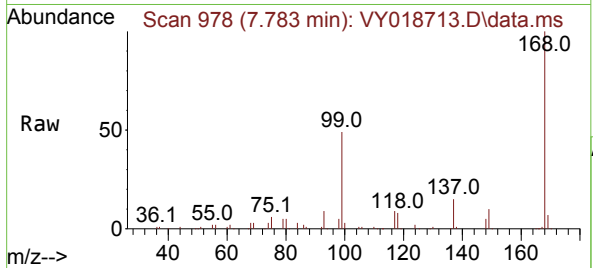




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018713.D
Acq: 27 Jun 2024 11:35

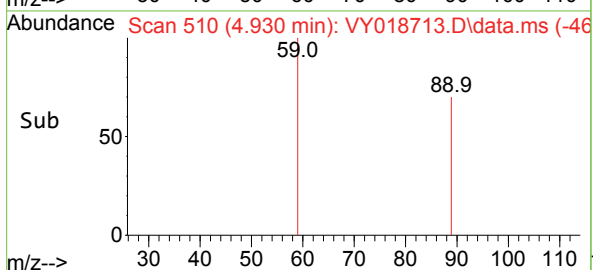
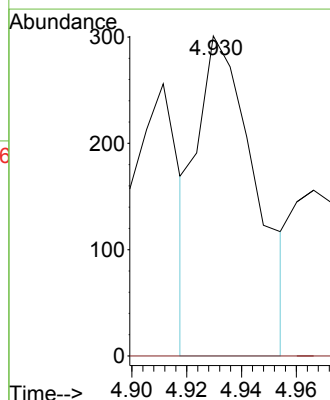
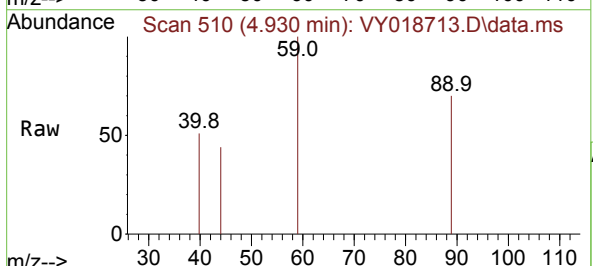
Instrument :
MSVOA_Y
ClientSampleId :

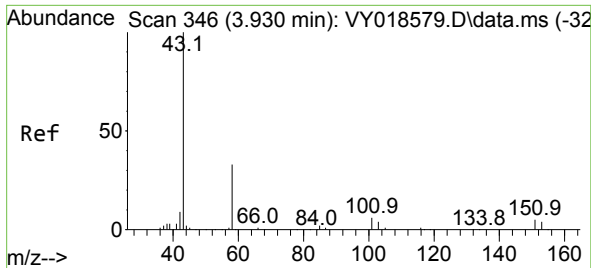
Tgt Ion:168 Resp: 120113
Ion Ratio Lower Upper
168 100
99 49.3 39.1 58.7



#11
Tert butyl alcohol
Concen: 2.037 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.006 min
Lab File: VY018713.D
Acq: 27 Jun 2024 11:35

Tgt Ion: 59 Resp: 443
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

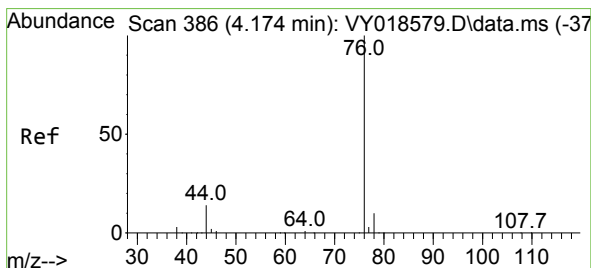
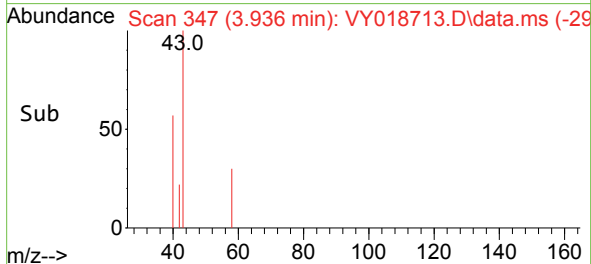
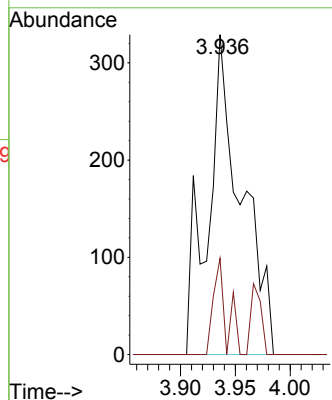
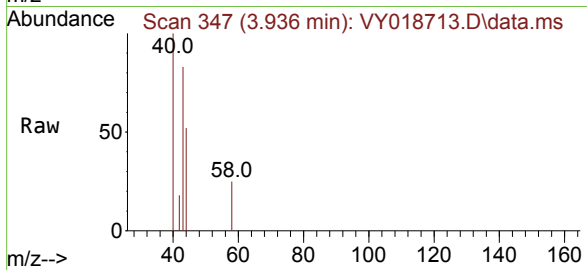




#16
Acetone
Concen: 2.853 ug/l
RT: 3.936 min Scan# 346
Delta R.T. 0.006 min
Lab File: VY018713.D
Acq: 27 Jun 2024 11:35

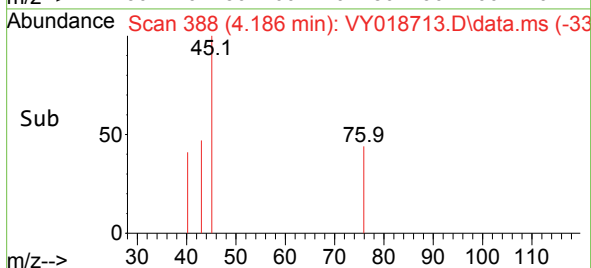
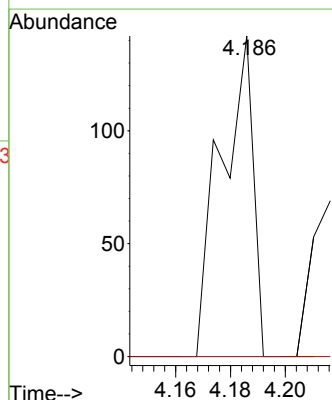
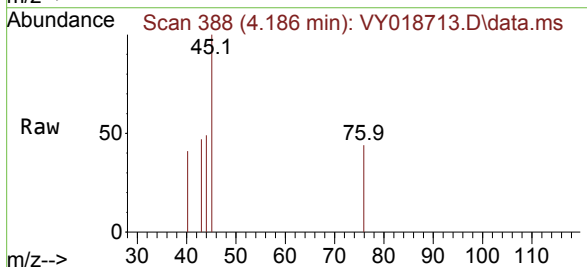
Instrument :
MSVOA_Y
ClientSampleId :

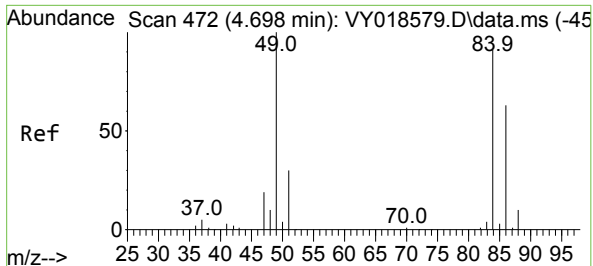
Tgt Ion: 43 Resp: 702
Ion Ratio Lower Upper
43 100
58 30.1 31.7 47.5#



#17
Carbon Disulfide
Concen: 2.251 ug/l
RT: 4.186 min Scan# 388
Delta R.T. 0.012 min
Lab File: VY018713.D
Acq: 27 Jun 2024 11:35

Tgt Ion: 76 Resp: 116
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#

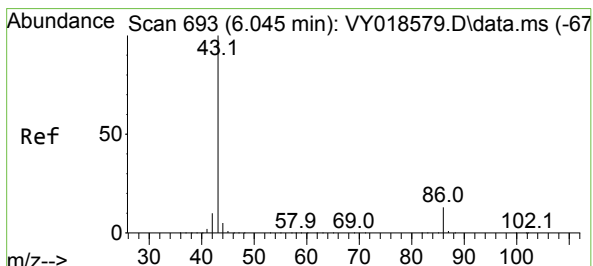
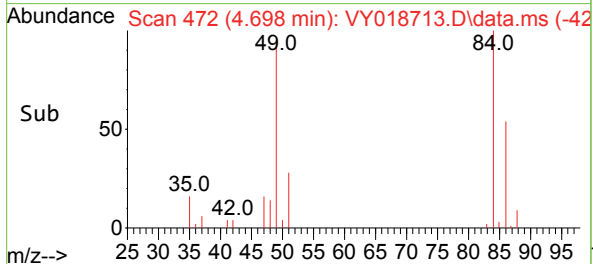
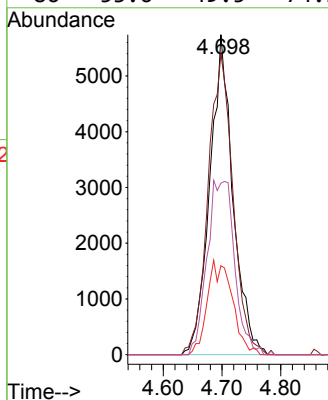
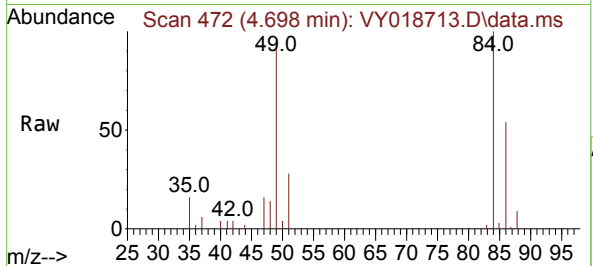




#20
Methylene Chloride
Concen: 1.722 ug/l
RT: 4.698 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY018713.D
Acq: 27 Jun 2024 11:35

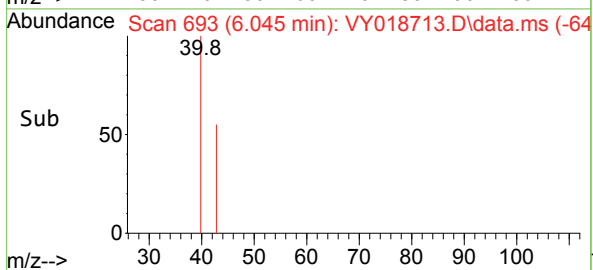
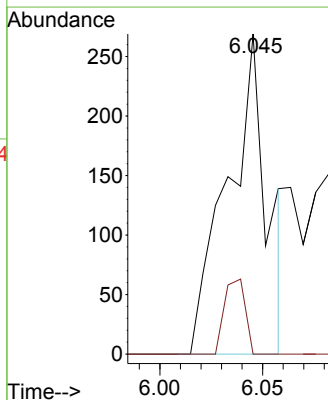
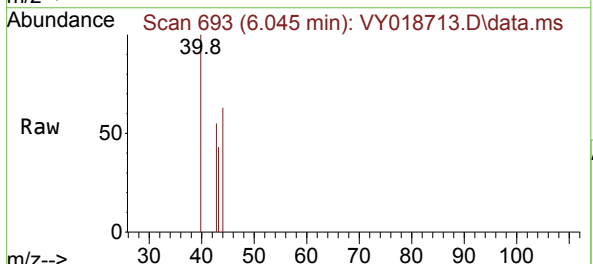
Instrument :
MSVOA_Y
ClientSampleId :

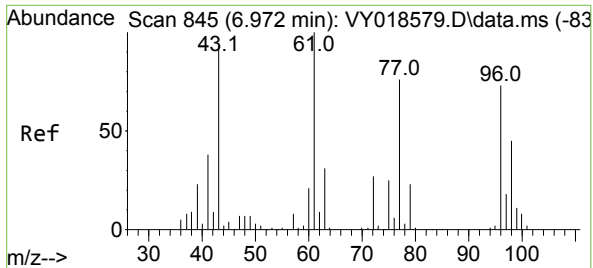
Tgt Ion: 84	Resp: 15728
Ion Ratio	Lower Upper
84 100	
49 94.0	84.4 126.6
51 27.8	26.0 39.0
86 53.6	49.5 74.3



#23
Vinyl Acetate
Concen: 23.788 ug/l
RT: 6.045 min Scan# 693
Delta R.T. 0.000 min
Lab File: VY018713.D
Acq: 27 Jun 2024 11:35

Tgt Ion: 43	Resp: 359		
Ion Ratio	Lower	Upper	
43 100			
86 0.0	10.6	16.0#	

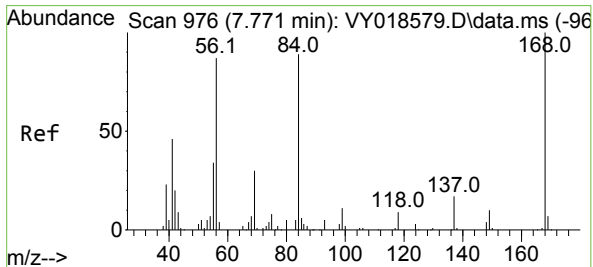
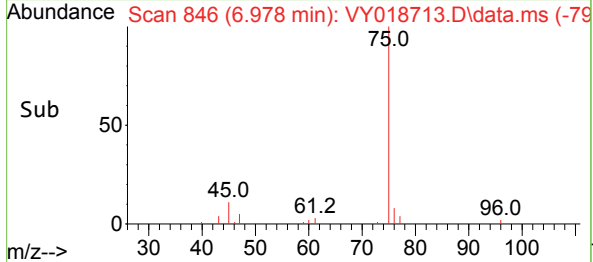
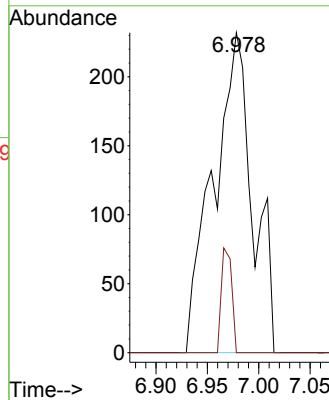
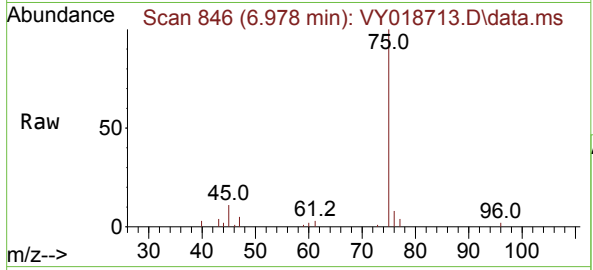




#25
2-Butanone
Concen: 1.670 ug/l
RT: 6.978 min Scan# 845
Delta R.T. 0.006 min
Lab File: VY018713.D
Acq: 27 Jun 2024 11:35

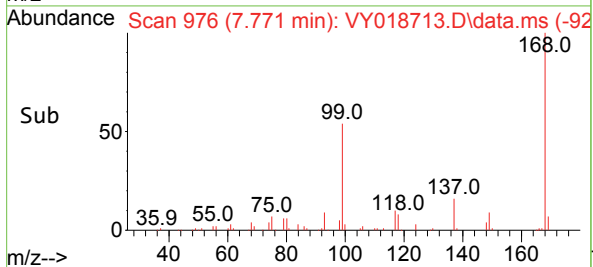
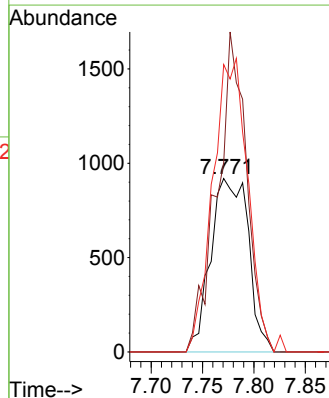
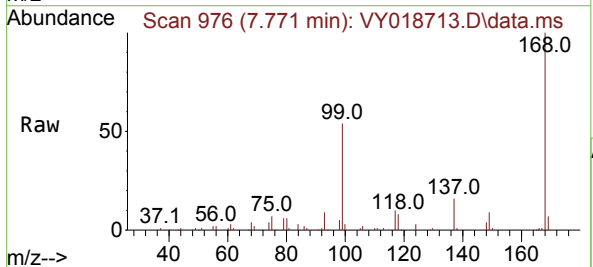
Instrument :
MSVOA_Y
ClientSampleId :

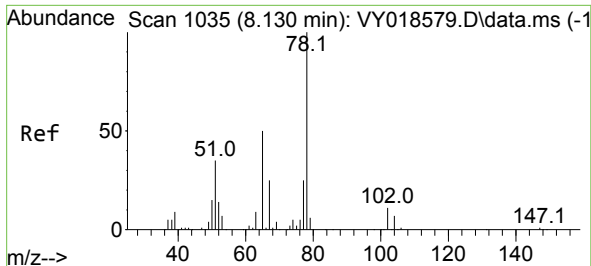
Tgt Ion: 43 Resp: 616
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#31
Cyclohexane
Concen: 1.265 ug/l
RT: 7.771 min Scan# 976
Delta R.T. 0.000 min
Lab File: VY018713.D
Acq: 27 Jun 2024 11:35

Tgt Ion: 56 Resp: 2344
Ion Ratio Lower Upper
56 100
69 109.2 28.7 43.1#
84 165.7 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 49.427 ug/l

RT: 8.130 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VY018713.D

Acq: 27 Jun 2024 11:35

Instrument :

MSVOA_Y

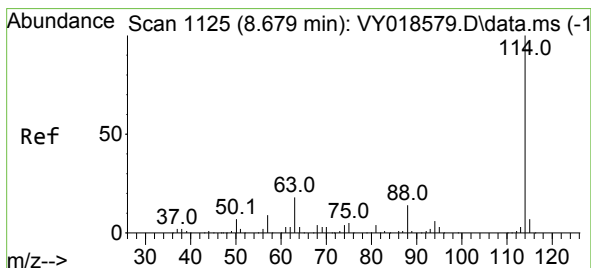
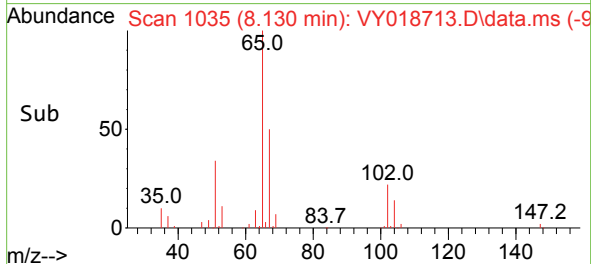
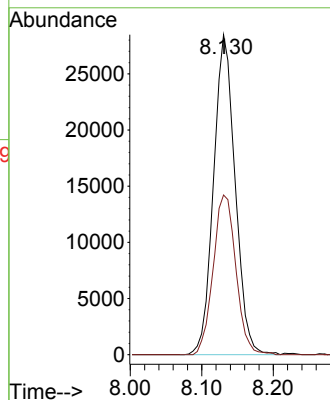
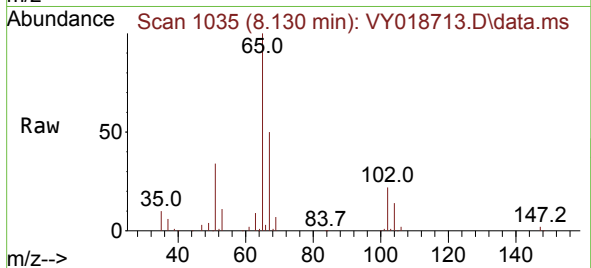
ClientSampleId :

Tgt Ion: 65 Resp: 59771

Ion Ratio Lower Upper

65 100

67 52.5 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.679 min Scan# 1125

Delta R.T. 0.000 min

Lab File: VY018713.D

Acq: 27 Jun 2024 11:35

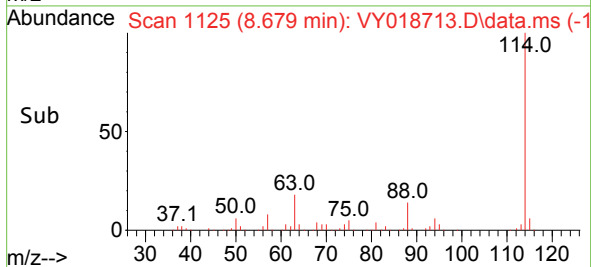
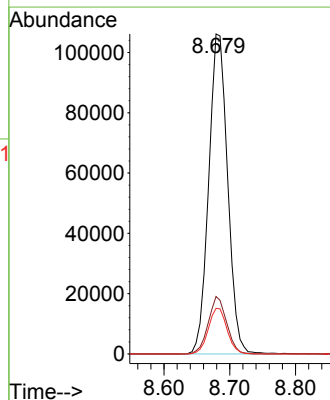
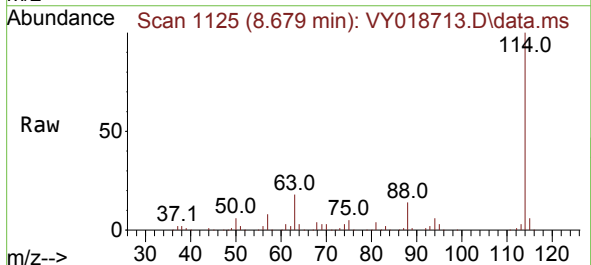
Tgt Ion:114 Resp: 212769

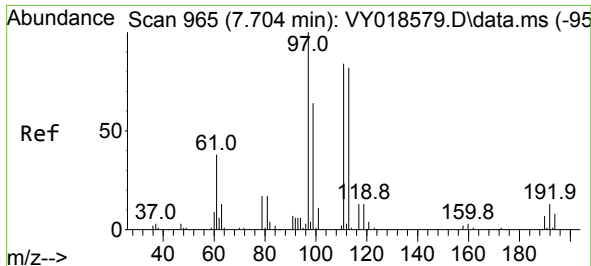
Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.0

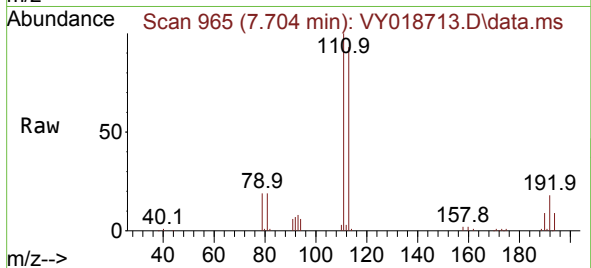
88 14.3 0.0 27.2



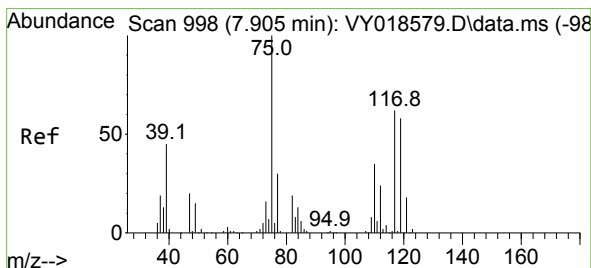
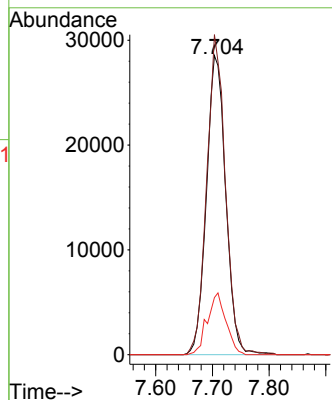
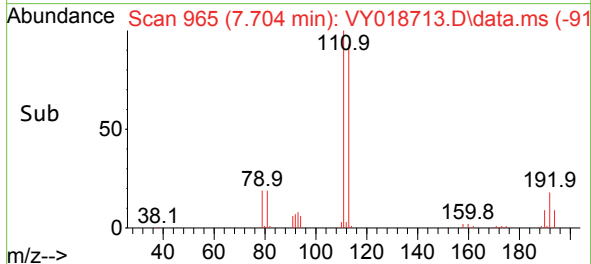


#35
Dibromofluoromethane
Concen: 52.053 ug/l
RT: 7.704 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY018713.D
Acq: 27 Jun 2024 11:35

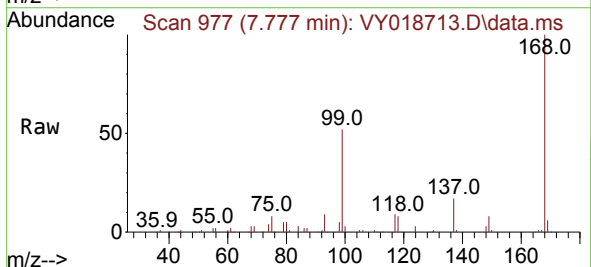
Instrument :
MSVOA_Y
ClientSampleId :



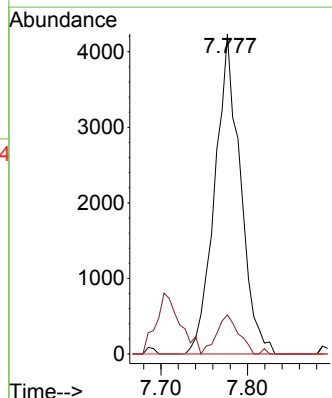
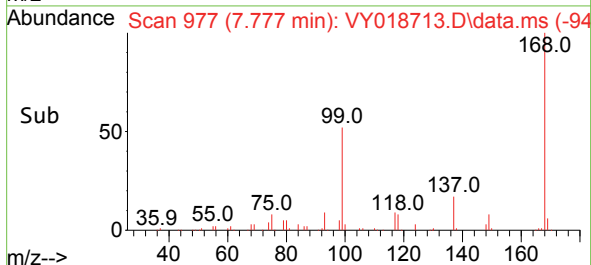
Tgt Ion:113 Resp: 67561
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.4
192 20.1 15.9 23.9

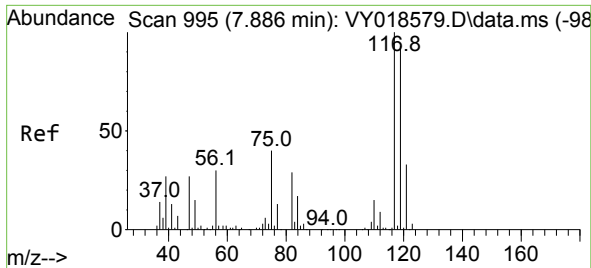


#36
1,1-Dichloropropene
Concen: 4.841 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.128 min
Lab File: VY018713.D
Acq: 27 Jun 2024 11:35



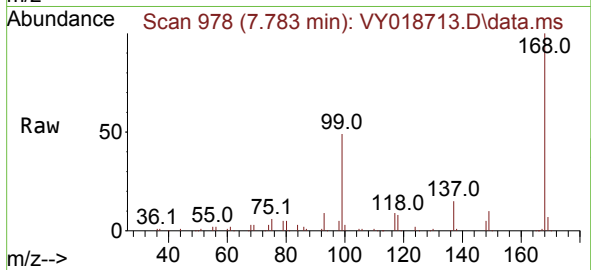
Tgt Ion: 75 Resp: 8649
Ion Ratio Lower Upper
75 100
110 10.5 19.0 57.0#
77 0.0 25.3 37.9#



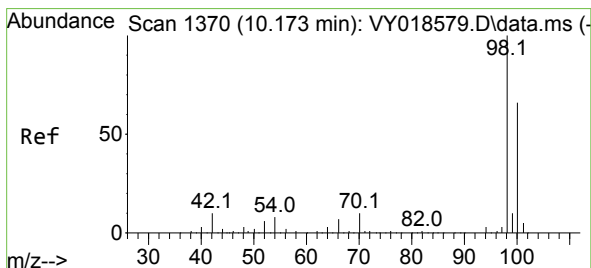
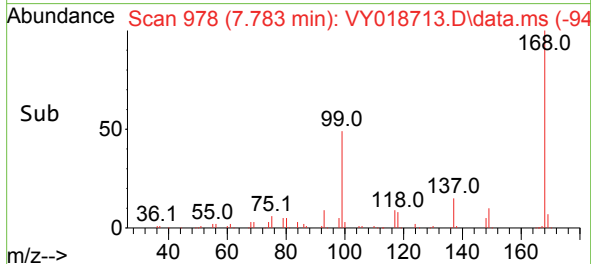
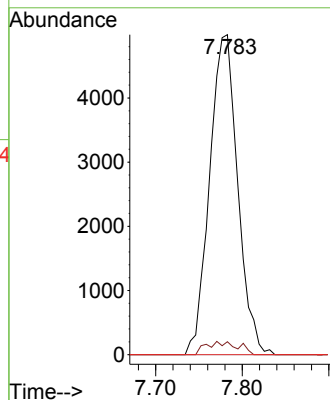


#38
Carbon Tetrachloride
Concen: 5.994 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY018713.D
Acq: 27 Jun 2024 11:35

Instrument :
MSVOA_Y
ClientSampleId :

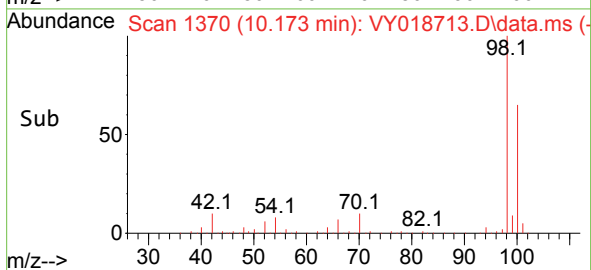
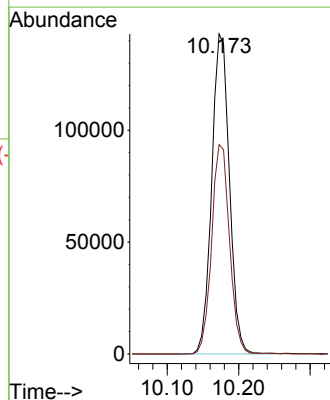
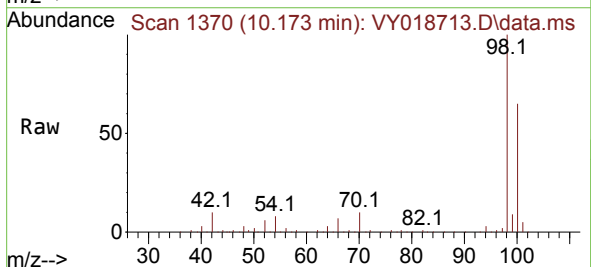


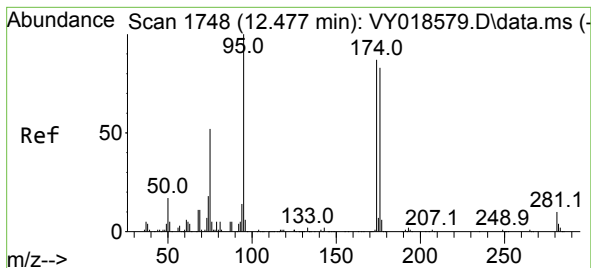
Tgt Ion:117 Resp: 11234
Ion Ratio Lower Upper
117 100
119 4.0 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 49.208 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.000 min
Lab File: VY018713.D
Acq: 27 Jun 2024 11:35

Tgt Ion: 98 Resp: 245614
Ion Ratio Lower Upper
98 100
100 65.9 52.0 78.0

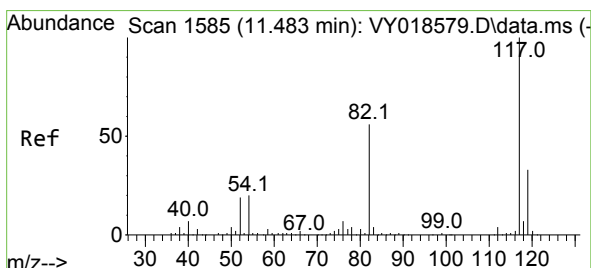
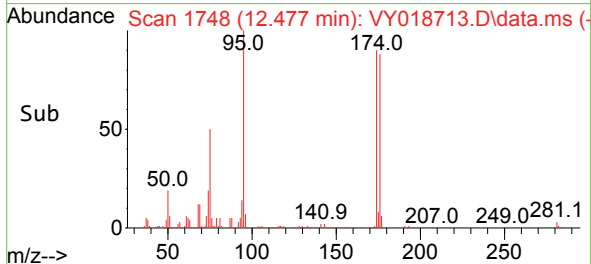
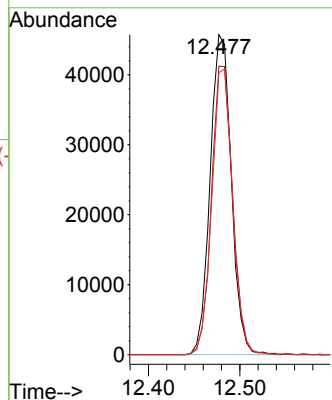
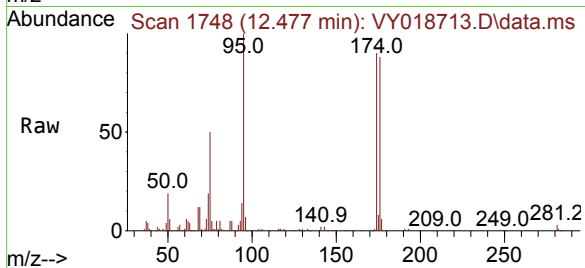




#62
4-Bromofluorobenzene
Concen: 46.693 ug/l
RT: 12.477 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY018713.D
Acq: 27 Jun 2024 11:35

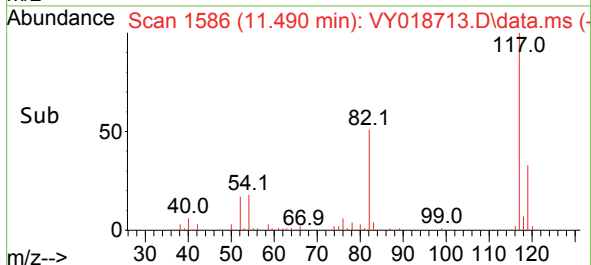
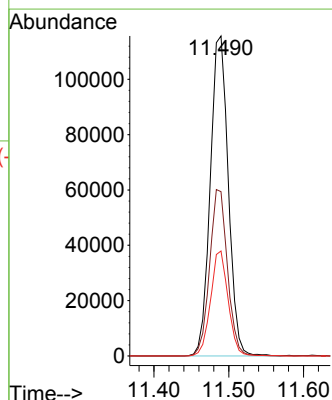
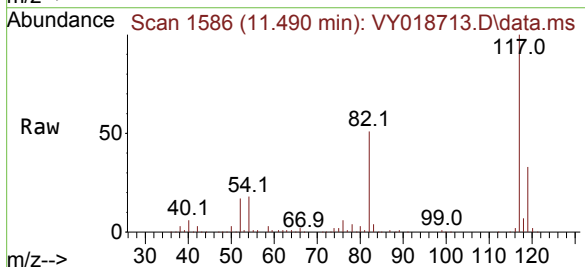
Instrument :
MSVOA_Y
ClientSampleId :

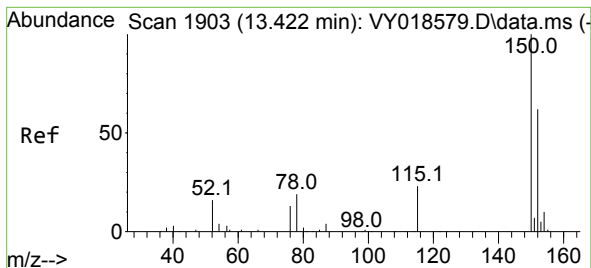
Tgt Ion: 95 Resp: 73594
Ion Ratio Lower Upper
95 100
174 89.7 0.0 175.6
176 88.2 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.006 min
Lab File: VY018713.D
Acq: 27 Jun 2024 11:35

Tgt Ion: 117 Resp: 194010
Ion Ratio Lower Upper
117 100
82 51.3 42.4 63.6
119 32.8 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: VY018713.D

Acq: 27 Jun 2024 11:35

Instrument :

MSVOA_Y

ClientSampleId :

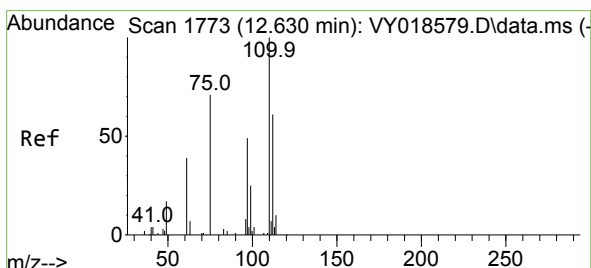
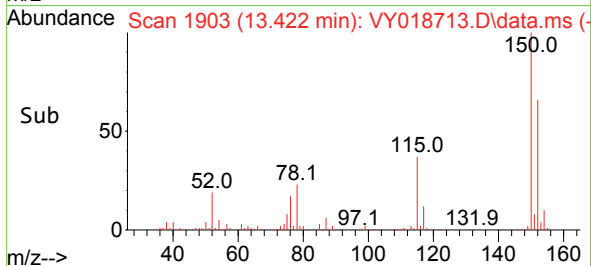
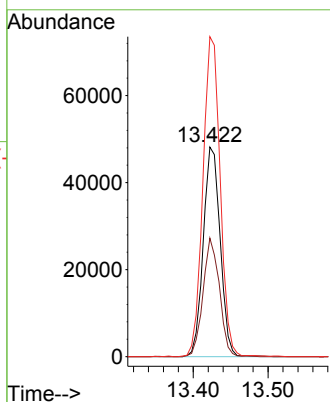
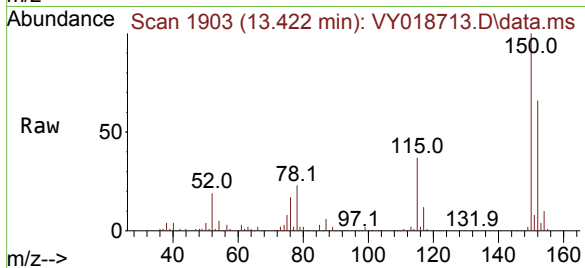
Tgt Ion:152 Resp: 75699

Ion Ratio Lower Upper

152 100

115 54.8 28.2 84.7

150 155.7 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 52.316 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY018713.D

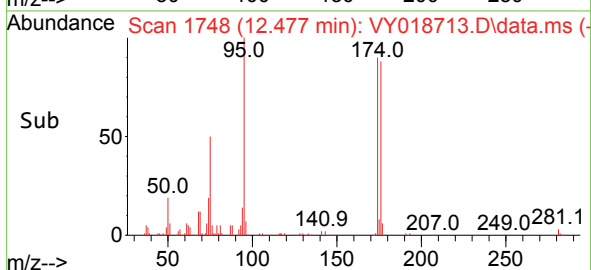
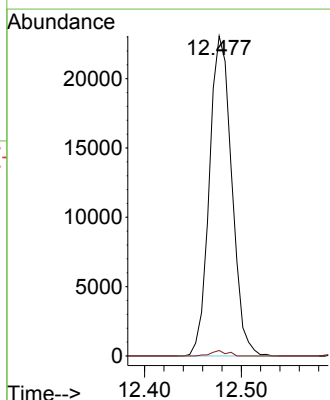
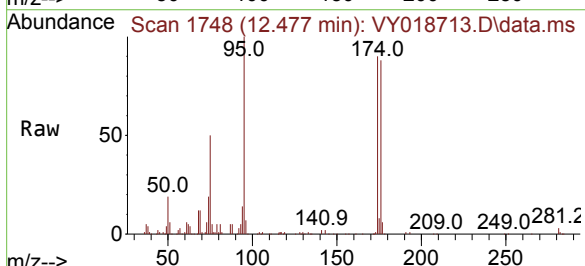
Acq: 27 Jun 2024 11:35

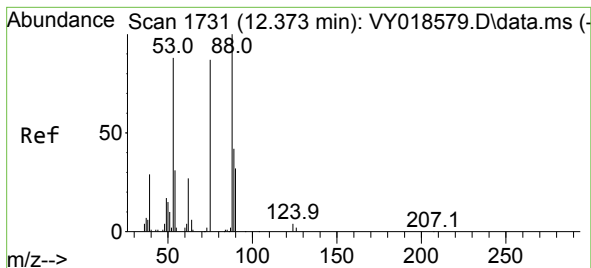
Tgt Ion: 75 Resp: 37149

Ion Ratio Lower Upper

75 100

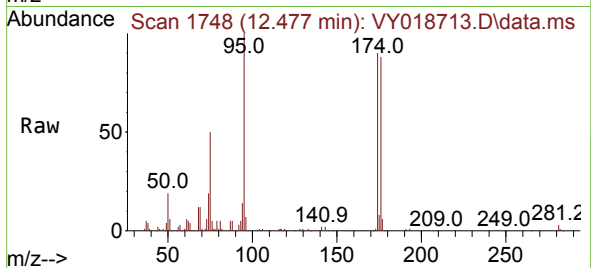
77 1.2 0.0 0.0#



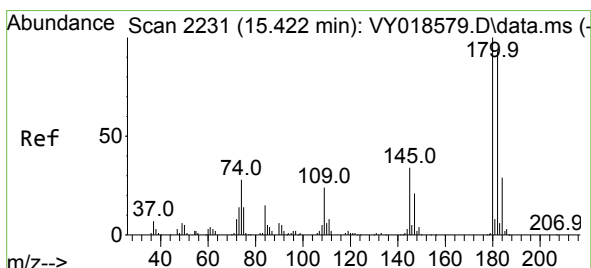
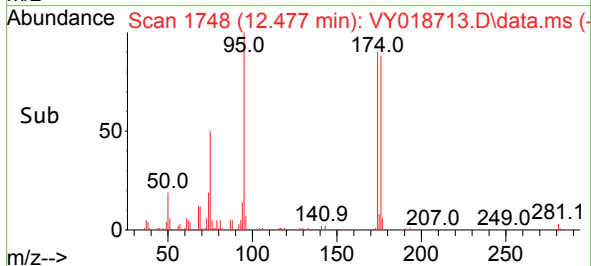
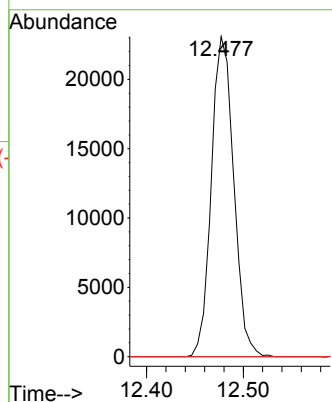


#81
trans-1,4-Dichloro-2-butene
Concen: 137.035 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY018713.D
Acq: 27 Jun 2024 11:35

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 37149
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#96
1,2,3-Trichlorobenzene
Concen: 1.032 ug/l
RT: 15.422 min Scan# 2231
Delta R.T. 0.000 min
Lab File: VY018713.D
Acq: 27 Jun 2024 11:35

Tgt Ion: 180 Resp: 1070
Ion Ratio Lower Upper
180 100
182 79.9 47.6 142.9
145 40.0 15.4 46.1

