

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062424\
 Data File : VY018677.D
 Acq On : 24 Jun 2024 16:04
 Operator : SY/MD
 Sample : P3021-07
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 25 01:10:24 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)

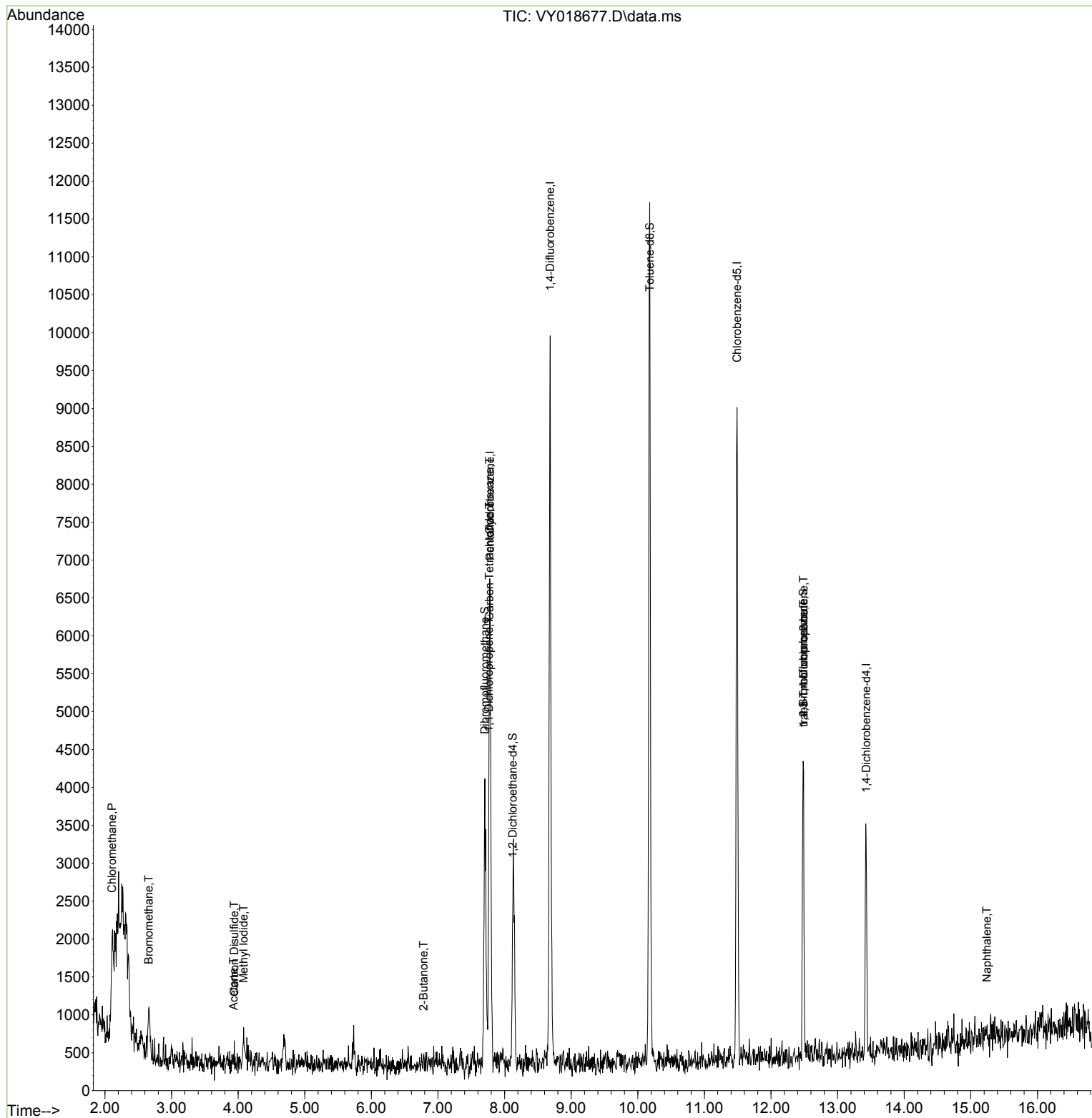
Internal Standards						
1) Pentafluorobenzene	7.782	168	5058	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	8257	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	5646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1081	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.124	65	2177	42.750	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.500%
35) Dibromofluoromethane	7.703	113	2514	49.911	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.820%
50) Toluene-d8	10.178	98	8135	41.998	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	84.000%
62) 4-Bromofluorobenzene	12.483	95	1531	25.030	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	50.060%
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	237	3.454	ug/l #	43
5) Bromomethane	2.655	94	514	8.139	ug/l #	62
10) Methyl Iodide	4.082	142	513	9.445	ug/l #	62
16) Acetone	3.930	43	113	10.907	ug/l #	36
17) Carbon Disulfide	3.942	76	22	2.363	ug/l #	76
20) Methylene Chloride	4.704	84	142	Below Cal	#	29
25) 2-Butanone	6.783	43	24	1.545	ug/l #	41
31) Cyclohexane	7.776	56	86	1.102	ug/l #	11
36) 1,1-Dichloropropene	7.764	75	207	2.986	ug/l #	40
38) Carbon Tetrachloride	7.770	117	471	6.475	ug/l #	13
76) 1,2,3-Trichloropropane	12.489	75	790	77.907	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	790	204.069	ug/l #	16
95) Naphthalene	15.238	128	61	1.863	ug/l #	69

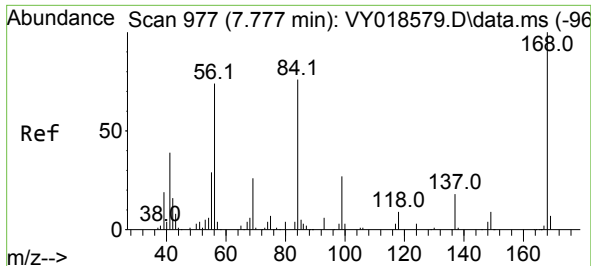
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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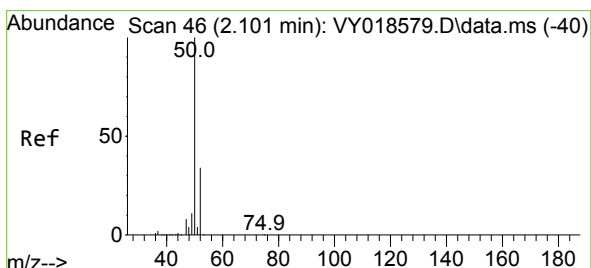
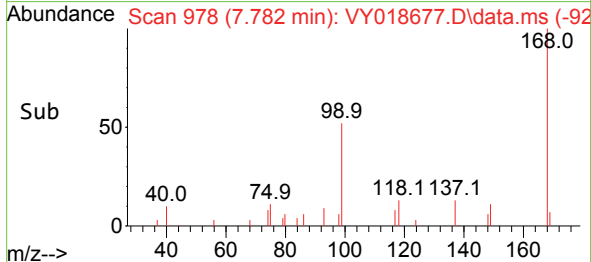
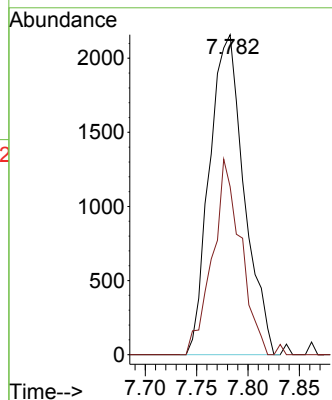
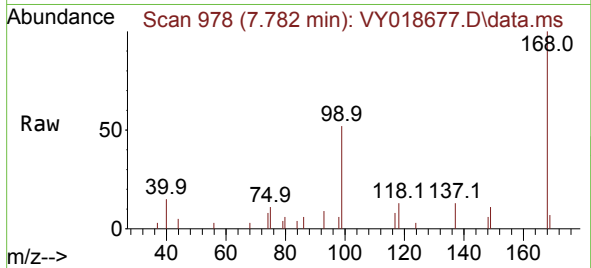




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.782 min Scan# 91
Delta R.T. 0.005 min
Lab File: VY018677.D
Acq: 24 Jun 2024 16:04

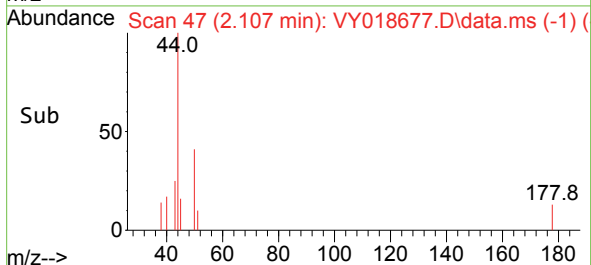
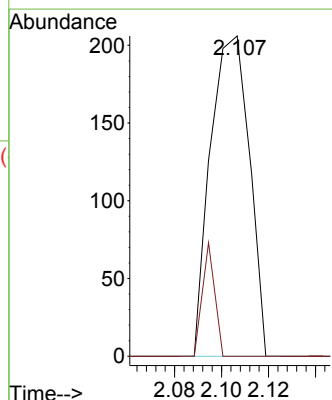
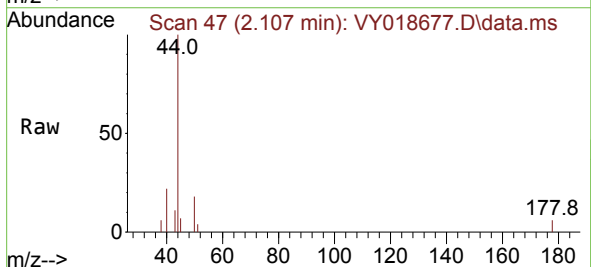
Instrument :
MSVOA_Y
ClientSampleId :

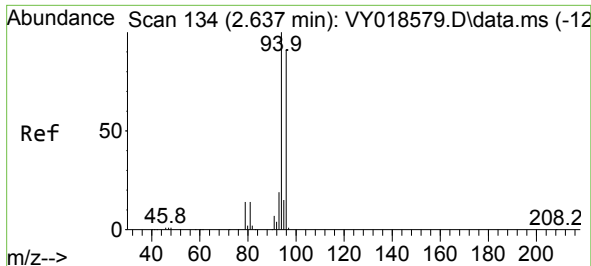
Tgt Ion:168 Resp: 5058
Ion Ratio Lower Upper
168 100
99 52.5 39.1 58.7



#3
Chloromethane
Concen: 3.454 ug/l
RT: 2.107 min Scan# 47
Delta R.T. 0.006 min
Lab File: VY018677.D
Acq: 24 Jun 2024 16:04

Tgt Ion: 50 Resp: 237
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

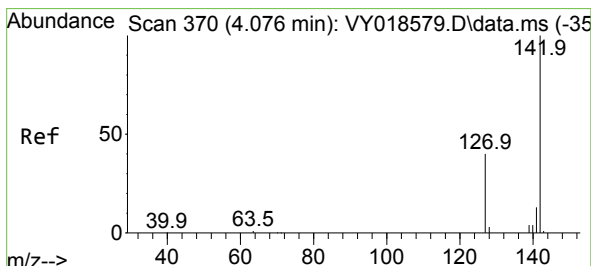
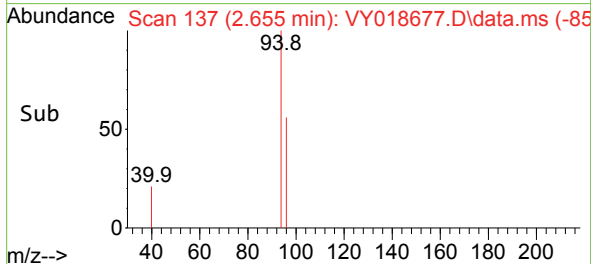
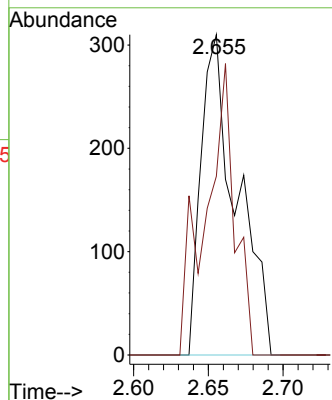
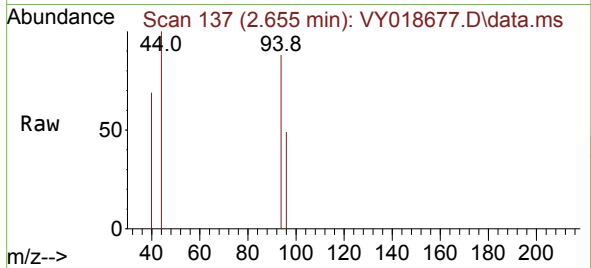




#5
Bromomethane
Concen: 8.139 ug/l
RT: 2.655 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY018677.D
Acq: 24 Jun 2024 16:04

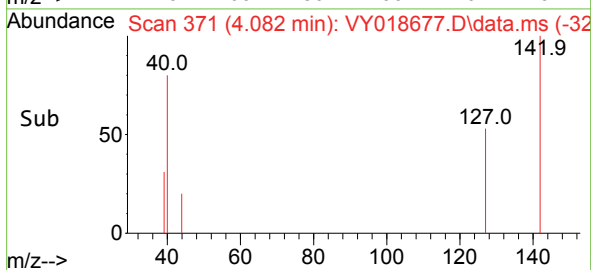
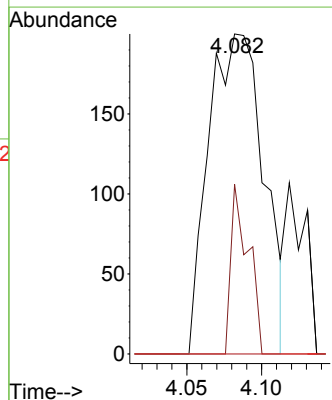
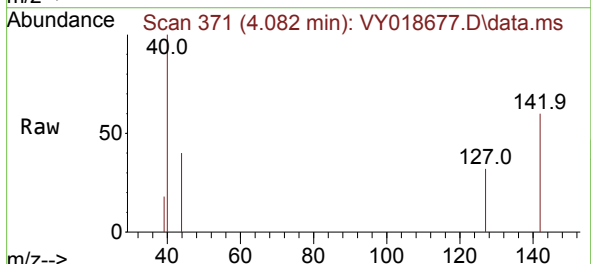
Instrument :
MSVOA_Y
ClientSampleId :

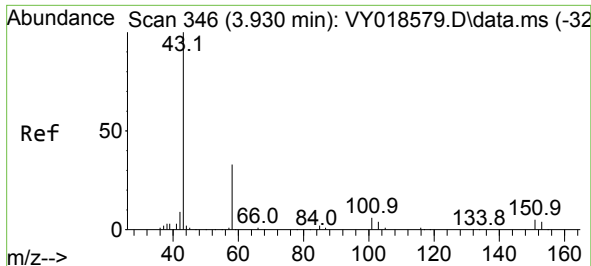
Tgt Ion: 94 Resp: 514
Ion Ratio Lower Upper
94 100
96 55.8 74.1 111.1#



#10
Methyl Iodide
Concen: 9.445 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.006 min
Lab File: VY018677.D
Acq: 24 Jun 2024 16:04

Tgt Ion: 142 Resp: 513
Ion Ratio Lower Upper
142 100
127 16.8 32.8 49.2#
141 0.0 11.4 17.2#

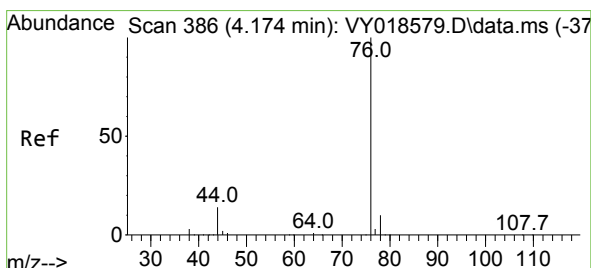
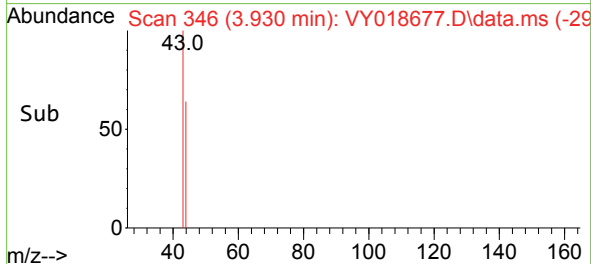
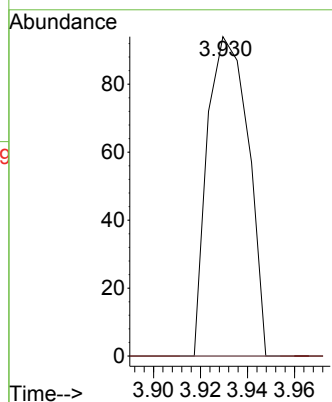
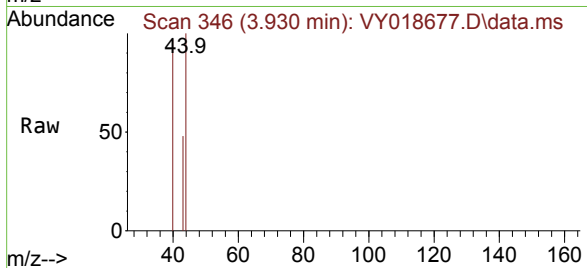




#16
Acetone
Concen: 10.907 ug/l
RT: 3.930 min Scan# 346
Delta R.T. -0.000 min
Lab File: VY018677.D
Acq: 24 Jun 2024 16:04

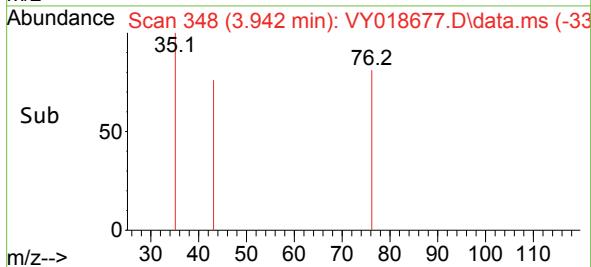
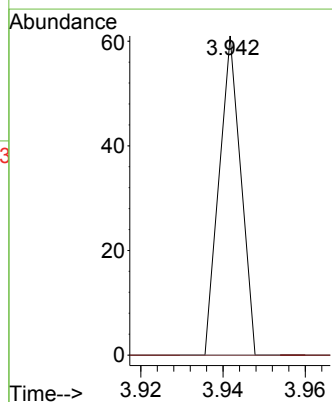
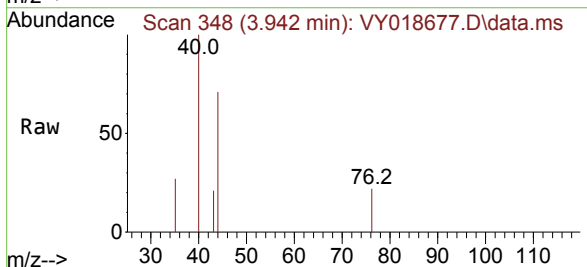
Instrument :
MSVOA_Y
ClientSampleId :

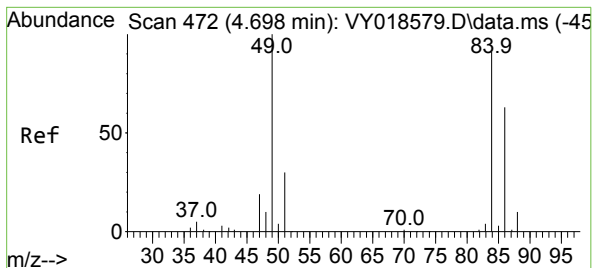
Tgt Ion: 43 Resp: 113
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



#17
Carbon Disulfide
Concen: 2.363 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.232 min
Lab File: VY018677.D
Acq: 24 Jun 2024 16:04

Tgt Ion: 76 Resp: 22
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 41

Delta R.T. 0.006 min

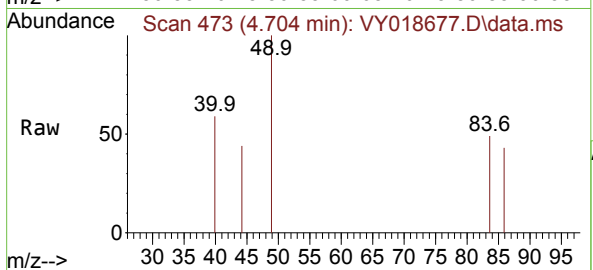
Lab File: VY018677.D

Acq: 24 Jun 2024 16:04

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 142

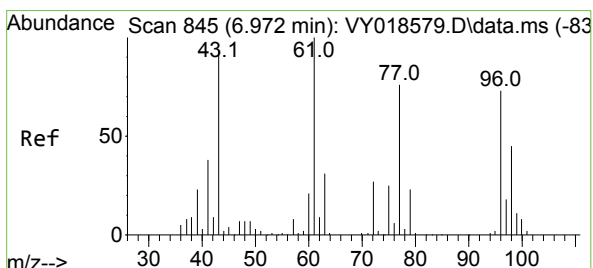
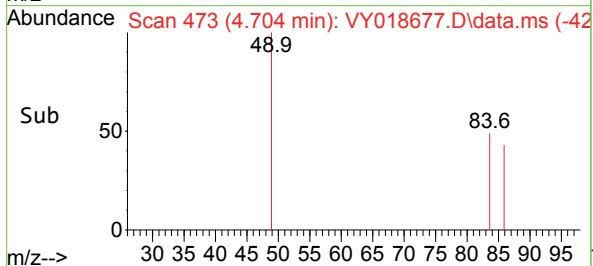
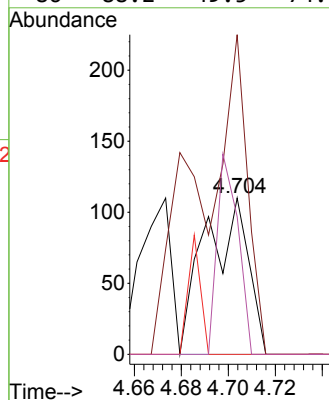
Ion Ratio Lower Upper

84 100

49 204.5 84.4 126.6#

51 0.0 26.0 39.0#

86 88.2 49.5 74.3#



#25

2-Butanone

Concen: 1.545 ug/l

RT: 6.783 min Scan# 814

Delta R.T. -0.189 min

Lab File: VY018677.D

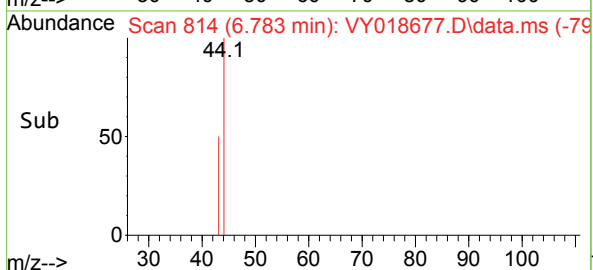
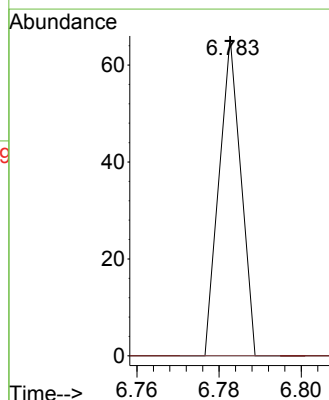
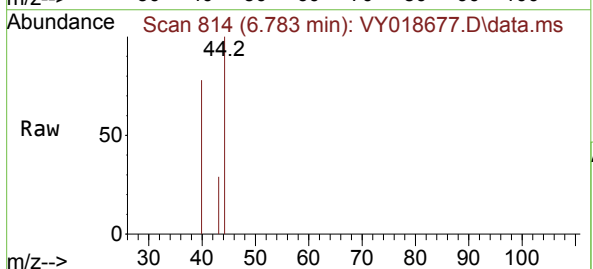
Acq: 24 Jun 2024 16:04

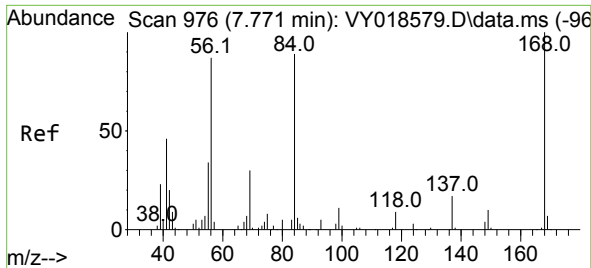
Tgt Ion: 43 Resp: 24

Ion Ratio Lower Upper

43 100

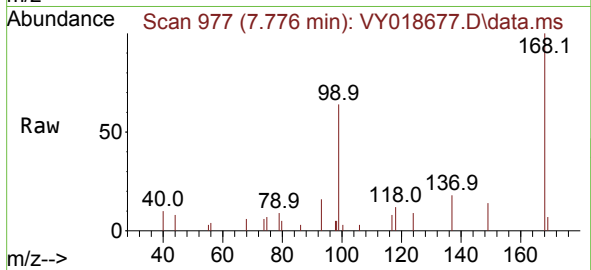
72 0.0 27.3 40.9#



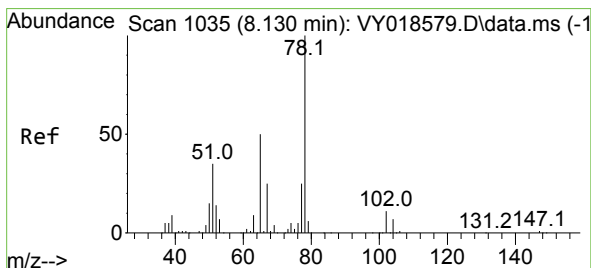
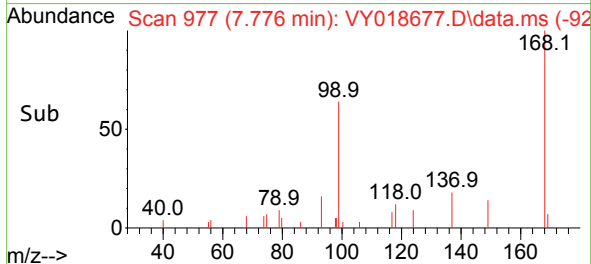
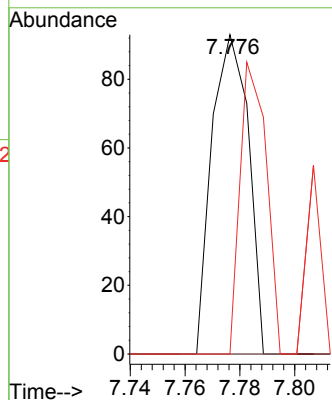


#31
Cyclohexane
Concen: 1.102 ug/l
RT: 7.776 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018677.D
Acq: 24 Jun 2024 16:04

Instrument :
MSVOA_Y
ClientSampleId :

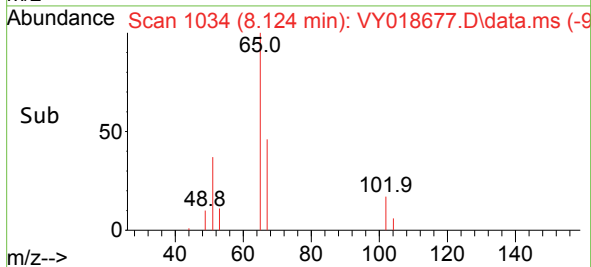
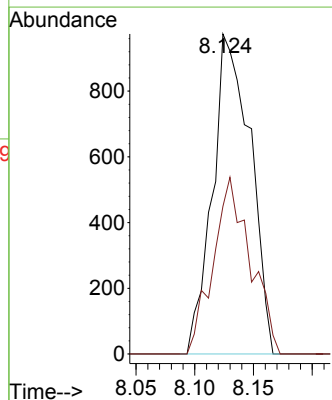
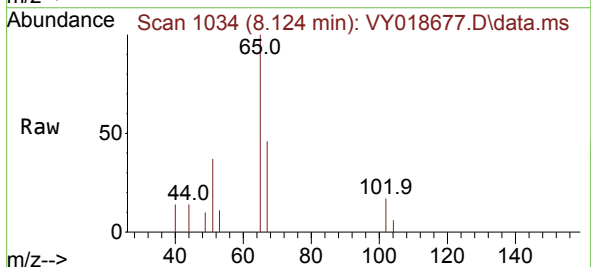


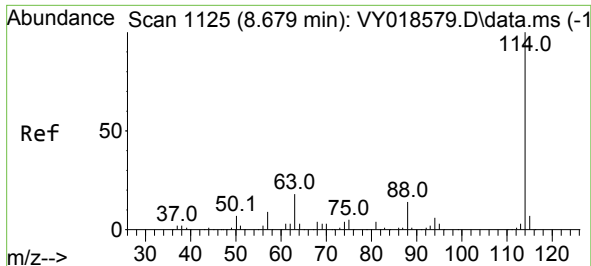
Tgt Ion: 56 Resp: 86
Ion Ratio Lower Upper
56 100
69 0.0 28.7 43.1#
84 0.0 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 42.750 ug/l
RT: 8.124 min Scan# 1034
Delta R.T. -0.006 min
Lab File: VY018677.D
Acq: 24 Jun 2024 16:04

Tgt Ion: 65 Resp: 2177
Ion Ratio Lower Upper
65 100
67 54.6 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VY018677.D

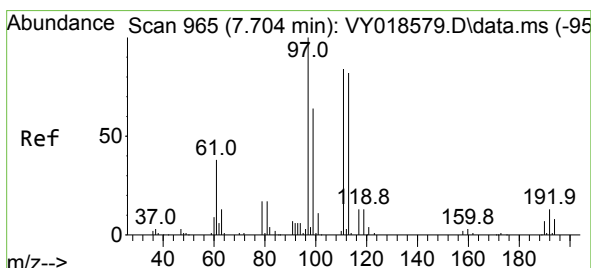
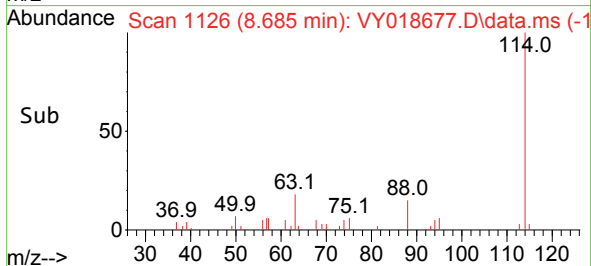
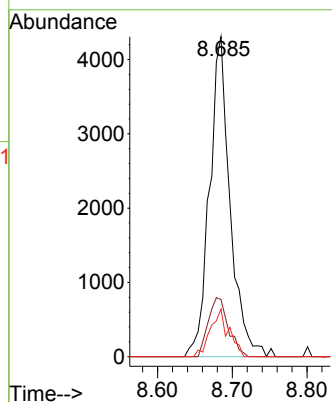
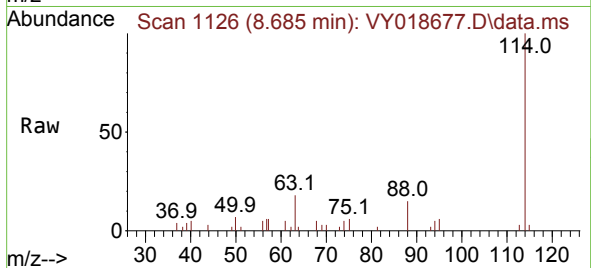
Acq: 24 Jun 2024 16:04

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	8257
Ion	Ratio	Lower Upper
114	100	
63	17.9	0.0 35.0
88	14.9	0.0 27.2



#35

Dibromofluoromethane

Concen: 49.911 ug/l

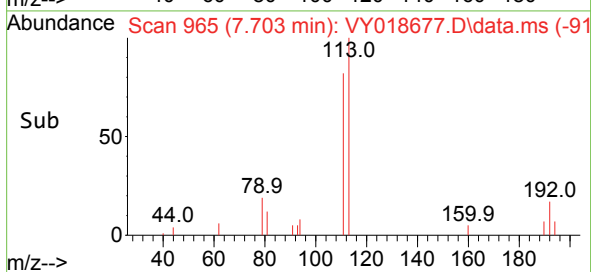
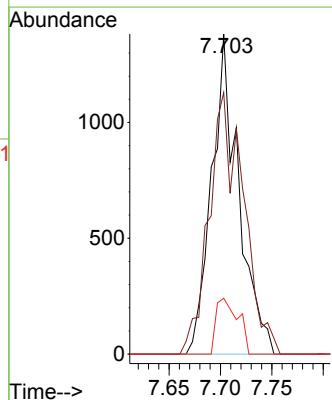
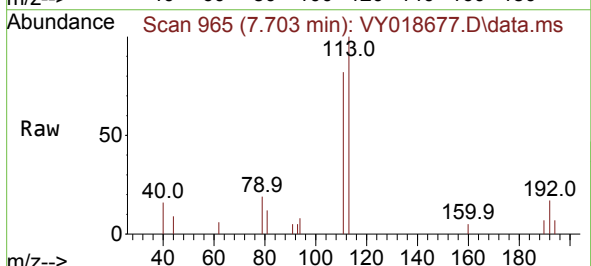
RT: 7.703 min Scan# 965

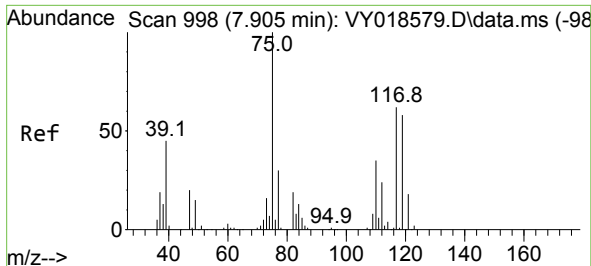
Delta R.T. -0.000 min

Lab File: VY018677.D

Acq: 24 Jun 2024 16:04

Tgt Ion:113	Resp:	2514
Ion	Ratio	Lower Upper
113	100	
111	104.3	82.2 123.4
192	14.2	15.9 23.9





#36

1,1-Dichloropropene

Concen: 2.986 ug/l

RT: 7.764 min Scan# 91

Delta R.T. -0.141 min

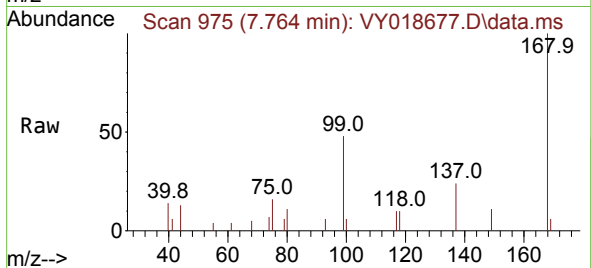
Lab File: VY018677.D

Acq: 24 Jun 2024 16:04

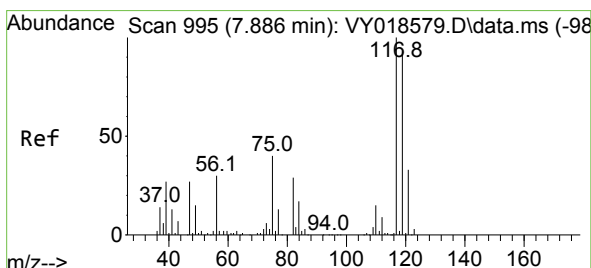
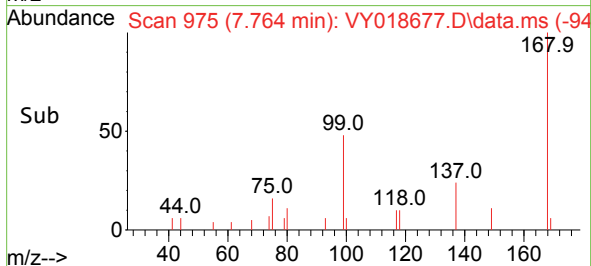
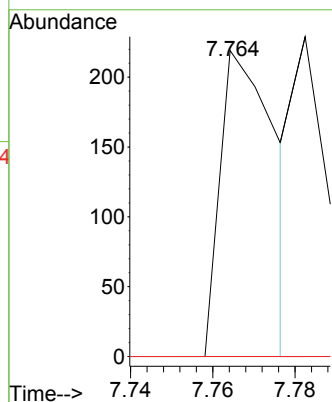
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 207
Ion Ratio	Lower Upper
75	100
110	0.0 19.0 57.0#
77	0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.475 ug/l

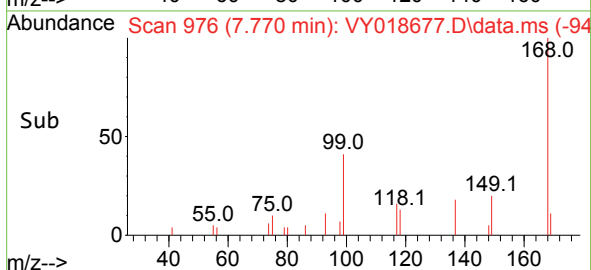
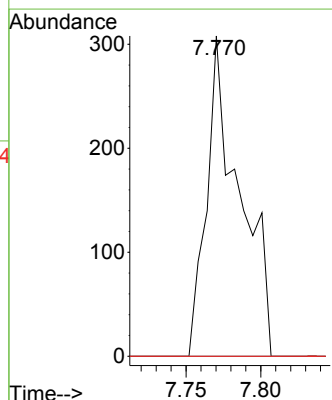
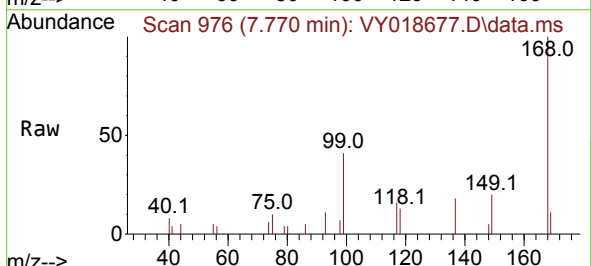
RT: 7.770 min Scan# 976

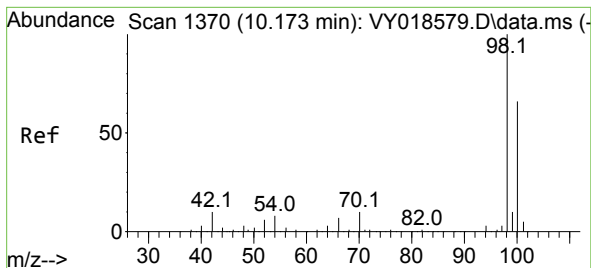
Delta R.T. -0.116 min

Lab File: VY018677.D

Acq: 24 Jun 2024 16:04

Tgt Ion: 117	Resp: 471
Ion Ratio	Lower Upper
117	100
119	0.0 75.8 113.6#
121	0.0 24.0 36.0#





#50

Toluene-d8

Concen: 41.998 ug/l

RT: 10.178 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY018677.D

Acq: 24 Jun 2024 16:04

Instrument :

MSVOA_Y

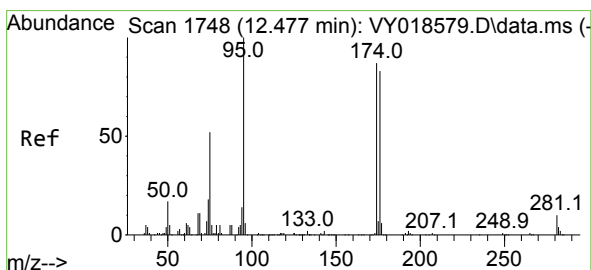
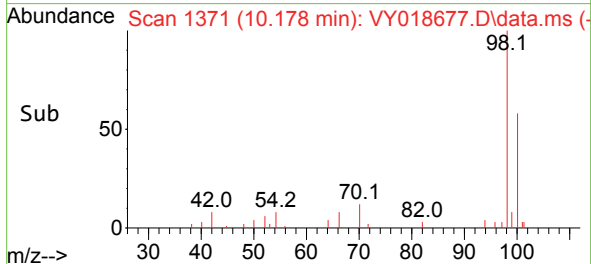
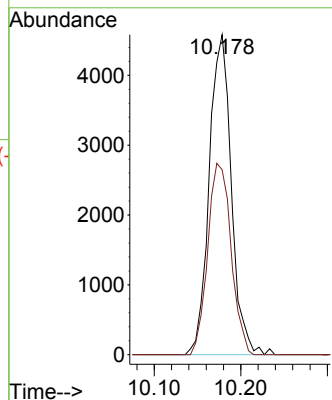
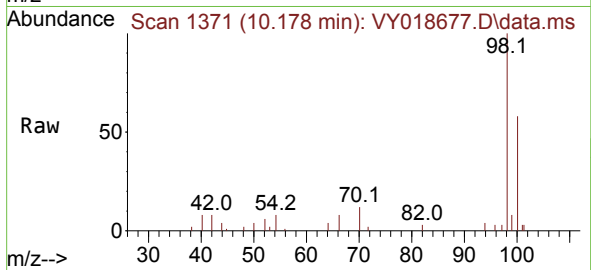
ClientSampleId :

Tgt Ion: 98 Resp: 8135

Ion Ratio Lower Upper

98 100

100 63.1 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 25.030 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY018677.D

Acq: 24 Jun 2024 16:04

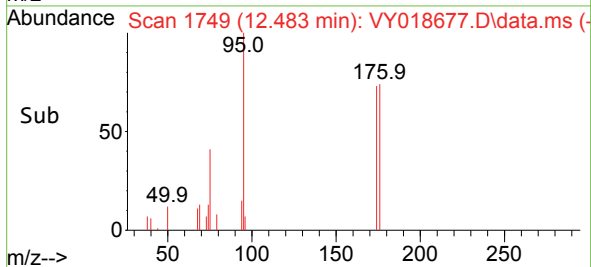
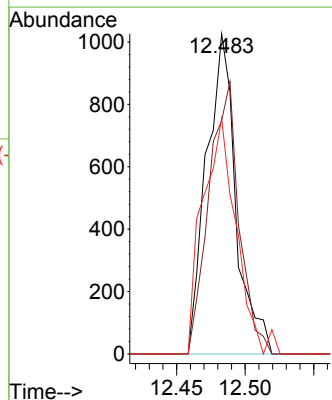
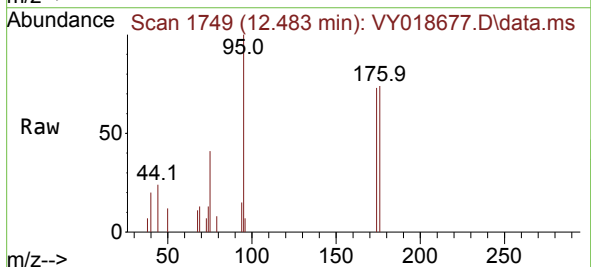
Tgt Ion: 95 Resp: 1531

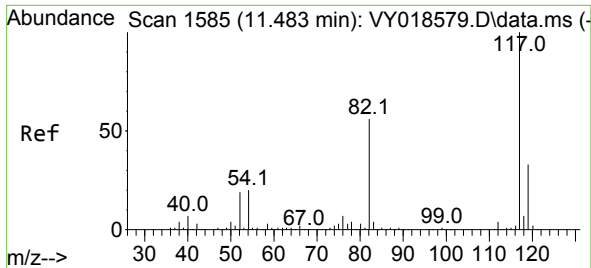
Ion Ratio Lower Upper

95 100

174 87.1 0.0 175.6

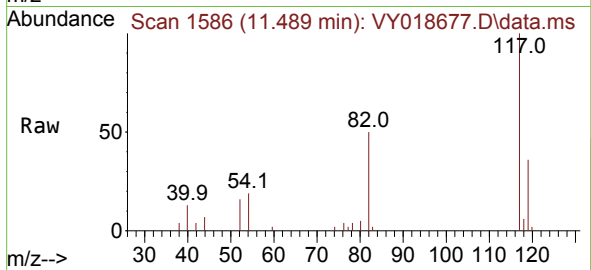
176 84.2 0.0 171.4



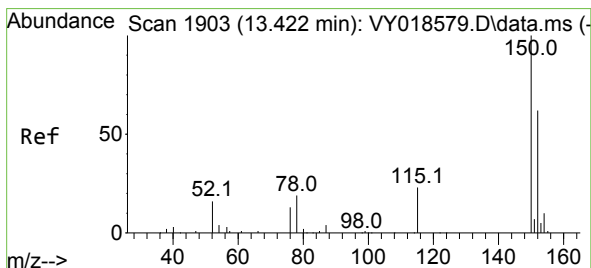
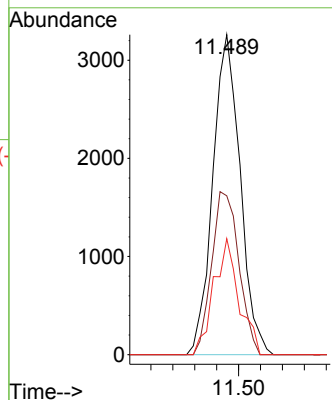
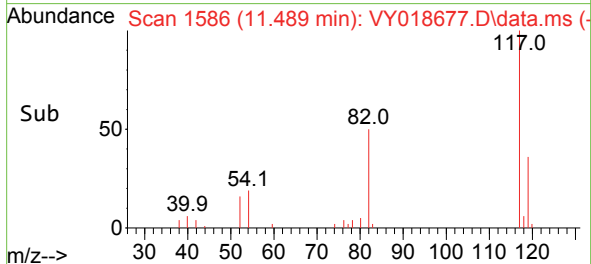


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY018677.D
Acq: 24 Jun 2024 16:04

Instrument :
MSVOA_Y
ClientSampleId :

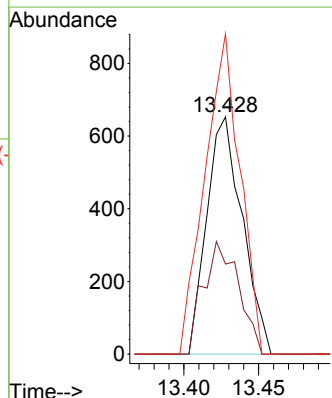
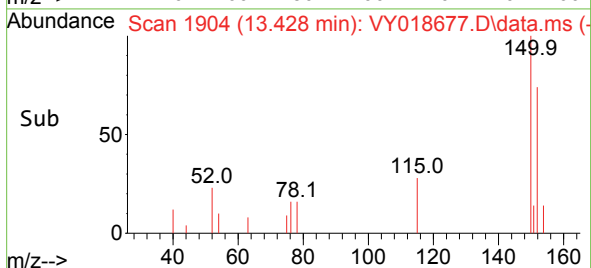
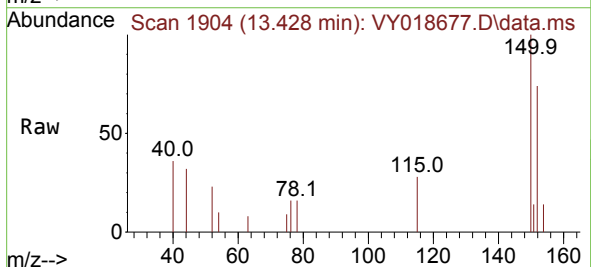


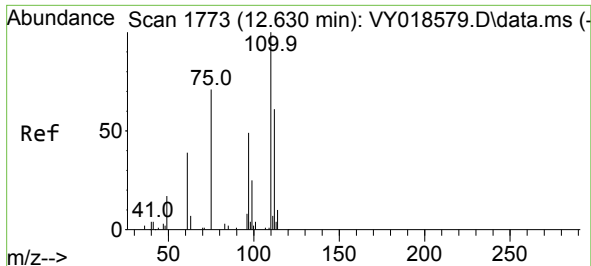
Tgt Ion:117 Resp: 5646
Ion Ratio Lower Upper
117 100
82 49.6 42.4 63.6
119 36.3 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY018677.D
Acq: 24 Jun 2024 16:04

Tgt Ion:152 Resp: 1081
Ion Ratio Lower Upper
152 100
115 47.0 28.2 84.7
150 133.5 0.0 345.6

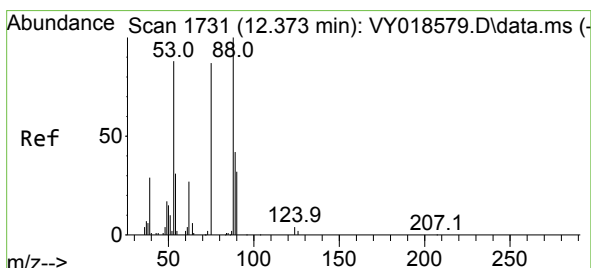
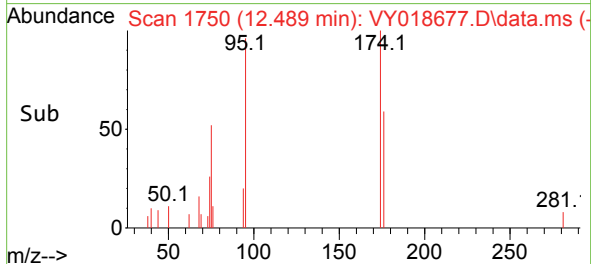
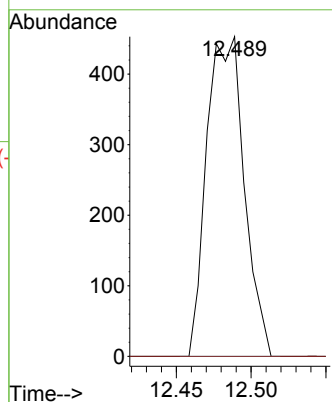
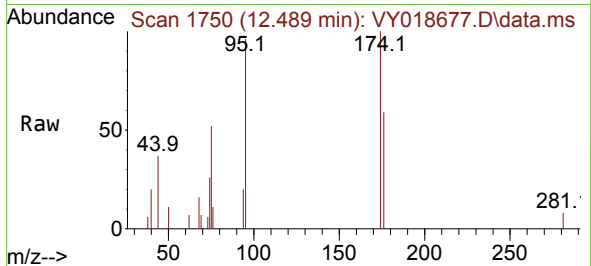




#76
1,2,3-Trichloropropane
Concen: 77.907 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.141 min
Lab File: VY018677.D
Acq: 24 Jun 2024 16:04

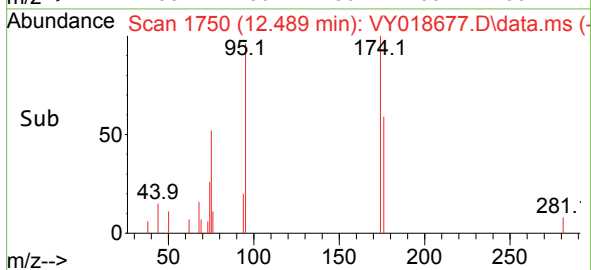
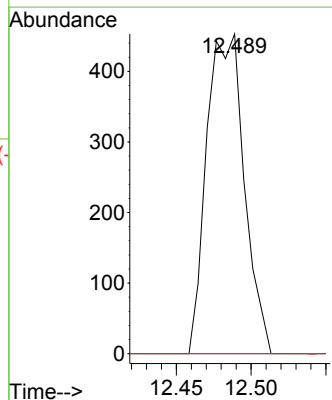
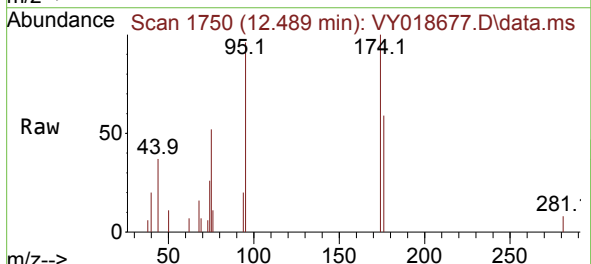
Instrument :
MSVOA_Y
ClientSampleId :

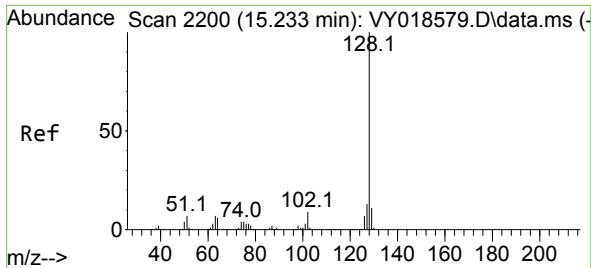
Tgt Ion: 75 Resp: 790
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 204.069 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.115 min
Lab File: VY018677.D
Acq: 24 Jun 2024 16:04

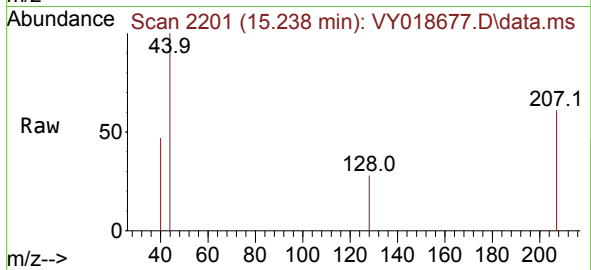
Tgt Ion: 75 Resp: 790
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#





#95
 Naphthalene
 Concen: 1.863 ug/l
 RT: 15.238 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY018677.D
 Acq: 24 Jun 2024 16:04

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	61
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	13.0#

