

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042424\
 Data File : VY018035.D
 Acq On : 24 Apr 2024 13:14
 Operator : SY/MD
 Sample : P2247-04
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 25 01:34:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:24:42 2024
 Response via : Initial Calibration

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

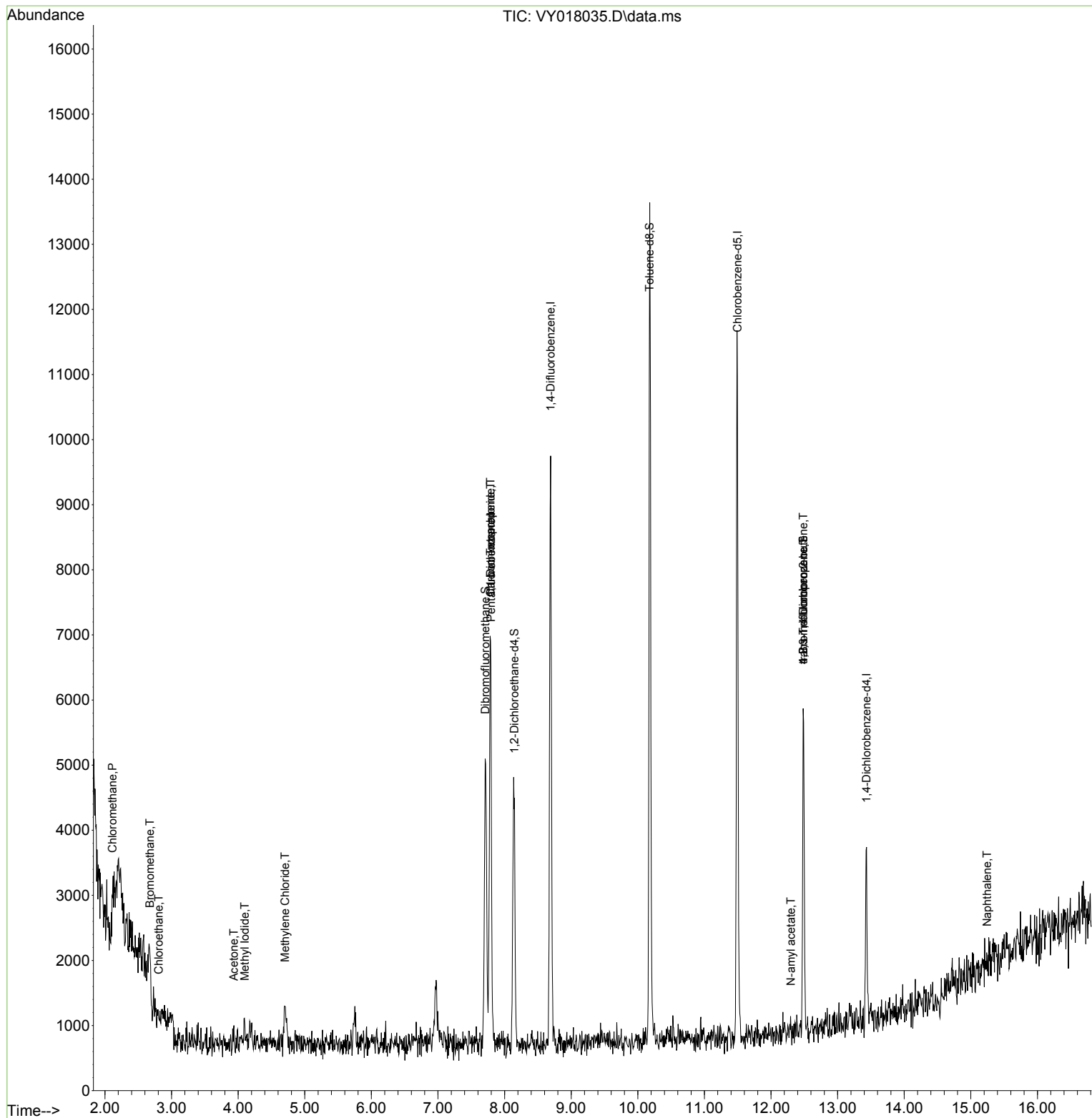
Internal Standards						
1) Pentafluorobenzene	7.795	168	6120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	9463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	7181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	1195	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	3454	65.218	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	130.440%
35) Dibromofluoromethane	7.710	113	3439	58.906	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	117.820%
50) Toluene-d8	10.179	98	9403	42.446	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	84.900%
62) 4-Bromofluorobenzene	12.483	95	1584	23.088	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	46.180%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	266	3.306	ug/l #	43
5) Bromomethane	2.674	94	325	5.385	ug/l #	80
6) Chloroethane	2.808	64	266	4.647	ug/l #	42
10) Methyl Iodide	4.101	142	402	4.748	ug/l #	65
16) Acetone	3.936	43	191	18.252	ug/l #	36
20) Methylene Chloride	4.704	84	428	6.037	ug/l	94
36) 1,1-Dichloropropene	7.789	75	324	3.816	ug/l #	40
38) Carbon Tetrachloride	7.789	117	453	5.281	ug/l #	13
74) N-amyl acetate	12.300	43	21	1.195	ug/l #	37
76) 1,2,3-Trichloropropane	12.483	75	768	68.488	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	768	141.209	ug/l #	16
95) Naphthalene	15.245	128	83	2.398	ug/l #	69

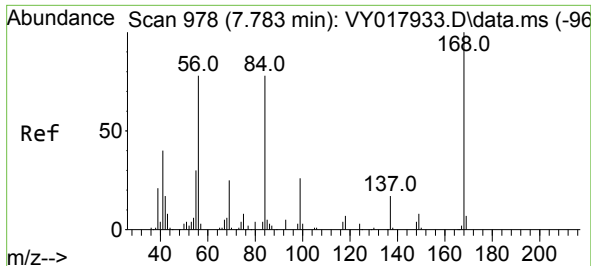
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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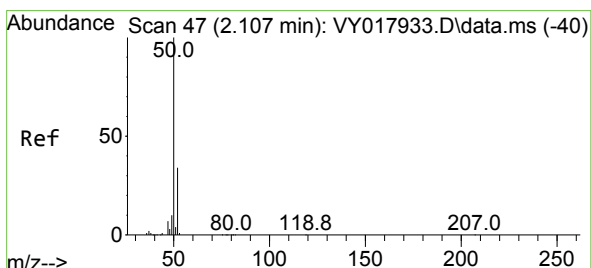
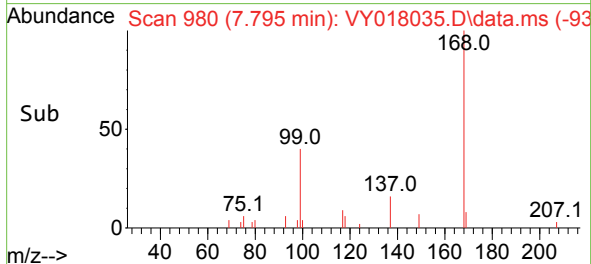
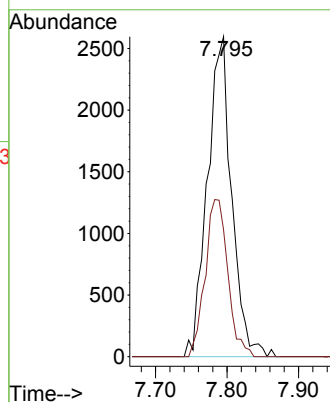
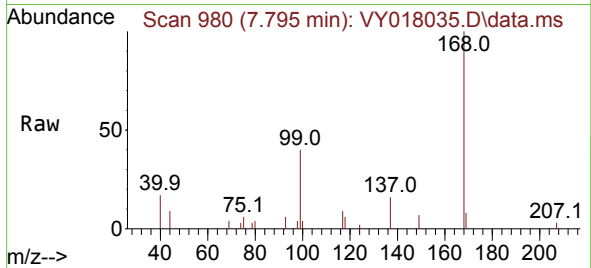




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018035.D
Acq: 24 Apr 2024 13:14

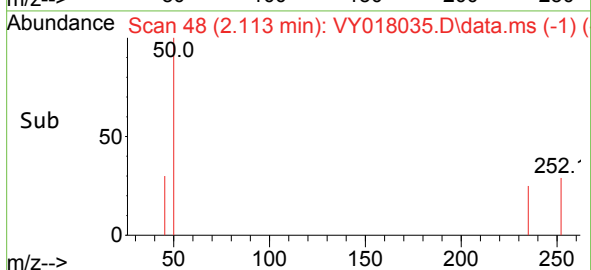
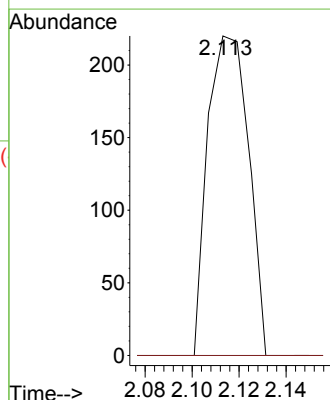
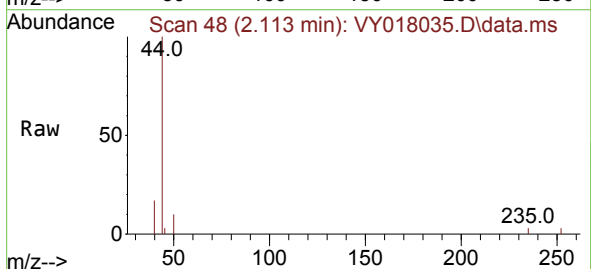
Instrument :
MSVOA_Y
ClientSampleId :

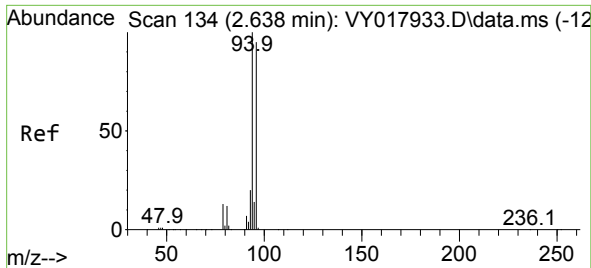
Tgt Ion:168 Resp: 6120
Ion Ratio Lower Upper
168 100
99 39.6 39.1 58.7



#3
Chloromethane
Concen: 3.306 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY018035.D
Acq: 24 Apr 2024 13:14

Tgt Ion: 50 Resp: 266
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#





#5

Bromomethane

Concen: 5.385 ug/l

RT: 2.674 min Scan# 14

Delta R.T. 0.024 min

Lab File: VY018035.D

Acq: 24 Apr 2024 13:14

Instrument :

MSVOA_Y

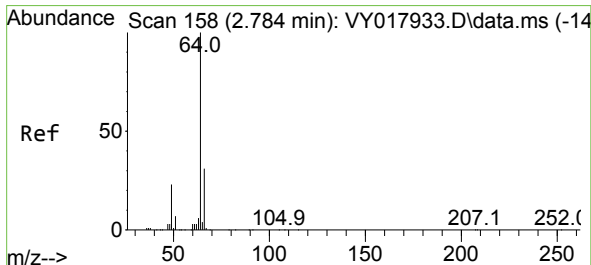
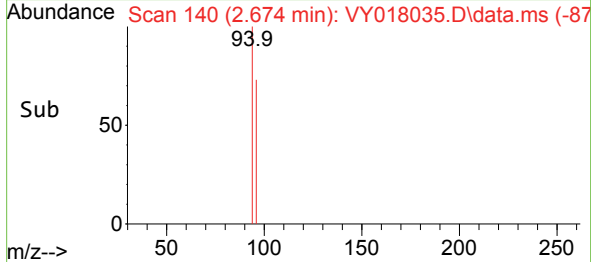
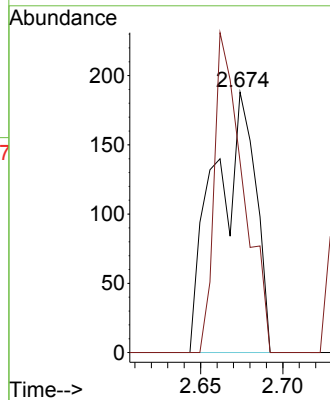
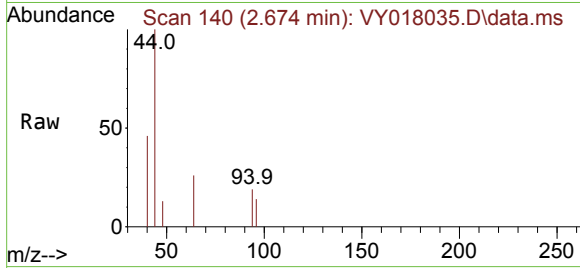
ClientSampleId :

Tgt Ion: 94 Resp: 325

Ion Ratio Lower Upper

94 100

96 73.4 74.1 111.1#



#6

Chloroethane

Concen: 4.647 ug/l

RT: 2.808 min Scan# 162

Delta R.T. 0.018 min

Lab File: VY018035.D

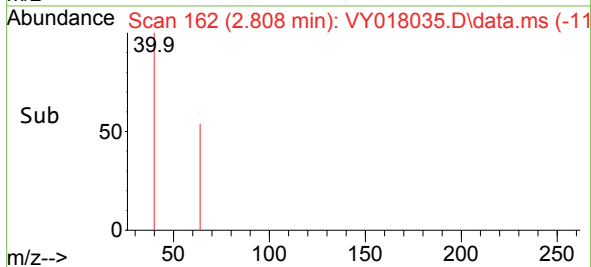
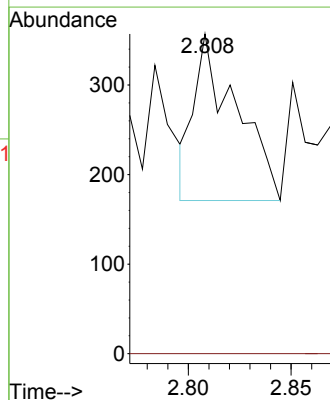
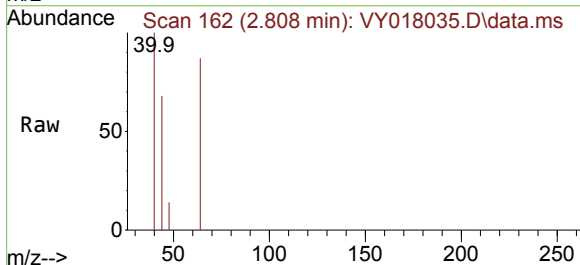
Acq: 24 Apr 2024 13:14

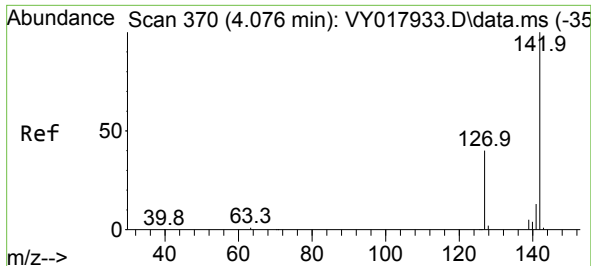
Tgt Ion: 64 Resp: 266

Ion Ratio Lower Upper

64 100

66 0.0 26.1 39.1#

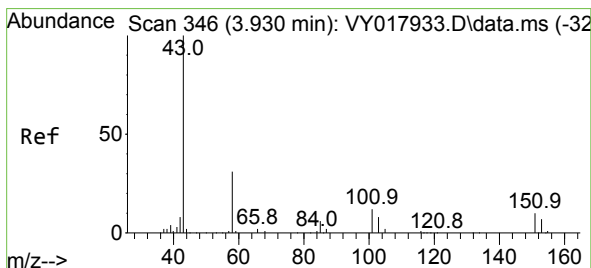
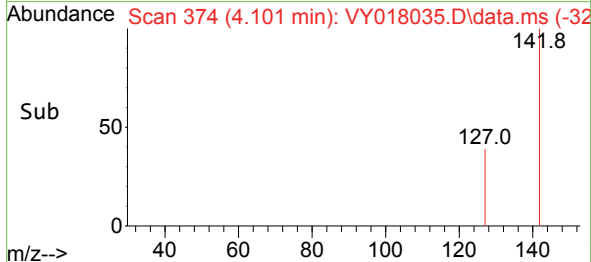
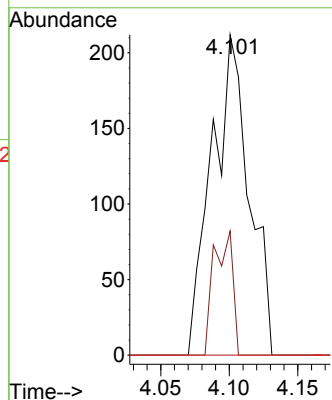
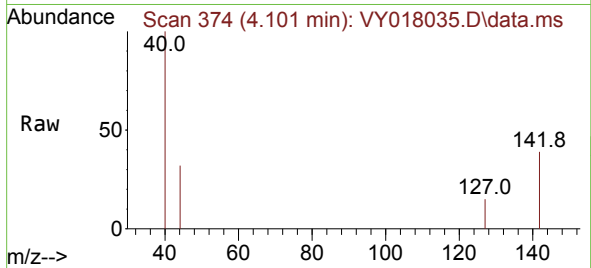




#10
Methyl Iodide
Concen: 4.748 ug/l
RT: 4.101 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY018035.D
Acq: 24 Apr 2024 13:14

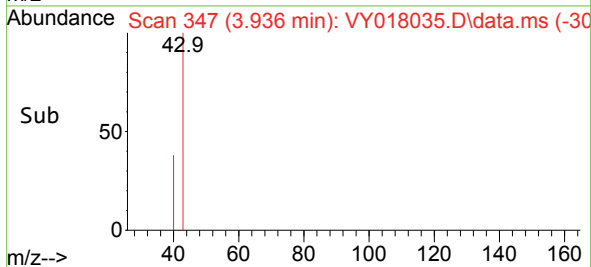
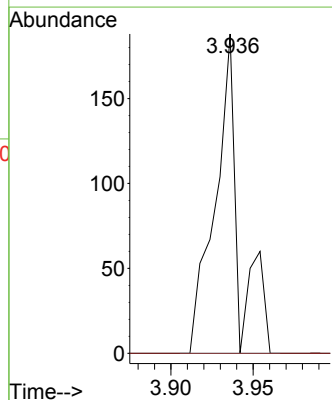
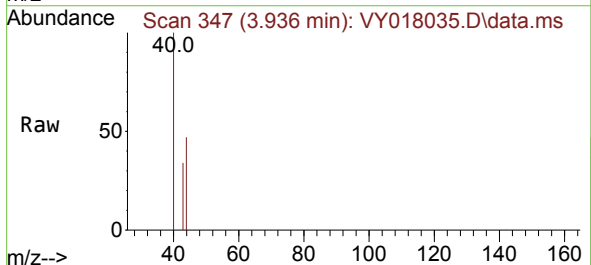
Instrument :
MSVOA_Y
ClientSampleId :

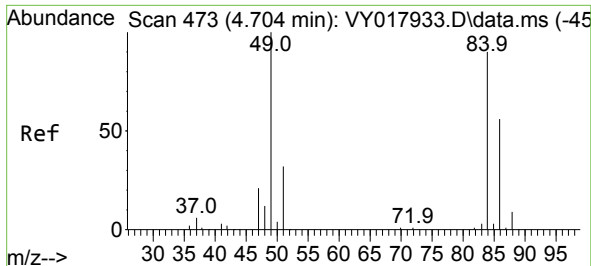
Tgt Ion:142 Resp: 402
Ion Ratio Lower Upper
142 100
127 19.4 32.8 49.2#
141 0.0 11.4 17.2#



#16
Acetone
Concen: 18.252 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.012 min
Lab File: VY018035.D
Acq: 24 Apr 2024 13:14

Tgt Ion: 43 Resp: 191
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#





#20

Methylene Chloride

Concen: 6.037 ug/l

RT: 4.704 min Scan# 41

Delta R.T. -0.012 min

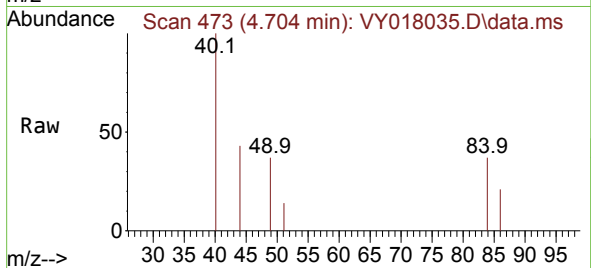
Lab File: VY018035.D

Acq: 24 Apr 2024 13:14

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 428

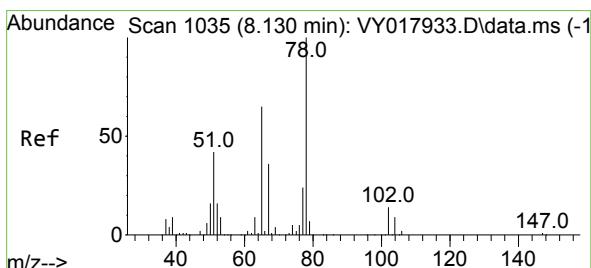
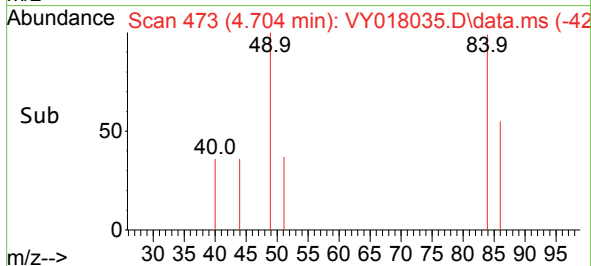
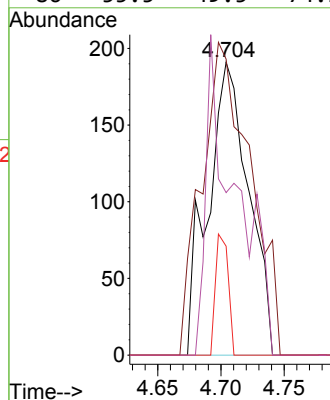
Ion Ratio Lower Upper

84 100

49 101.0 84.4 126.6

51 37.2 26.0 39.0

86 55.5 49.5 74.3



#33

1,2-Dichloroethane-d4

Concen: 65.218 ug/l

RT: 8.149 min Scan# 1038

Delta R.T. 0.006 min

Lab File: VY018035.D

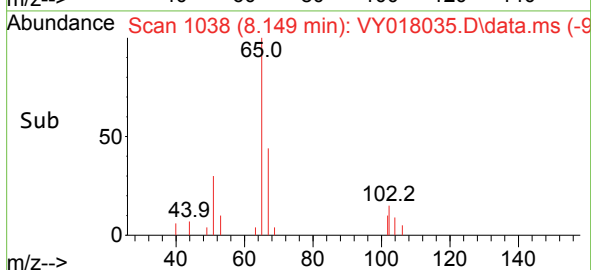
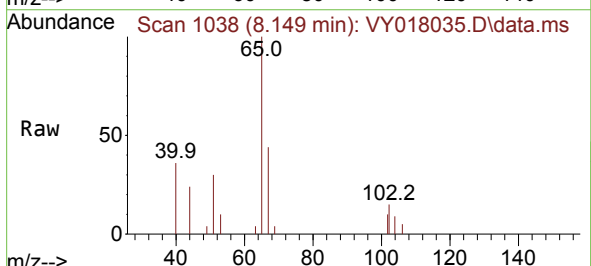
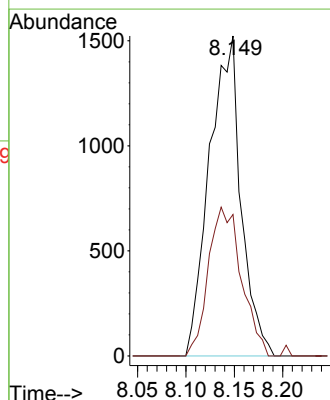
Acq: 24 Apr 2024 13:14

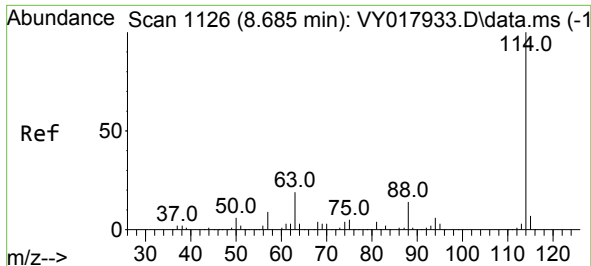
Tgt Ion: 65 Resp: 3454

Ion Ratio Lower Upper

65 100

67 48.7 0.0 109.6

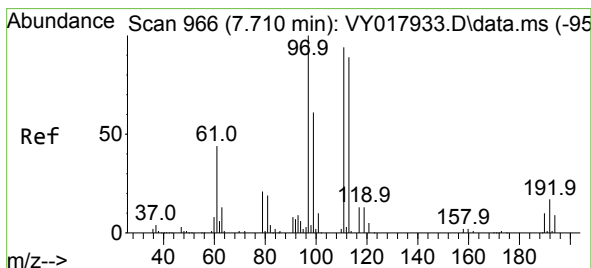
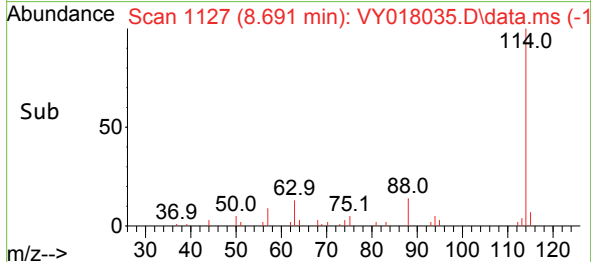
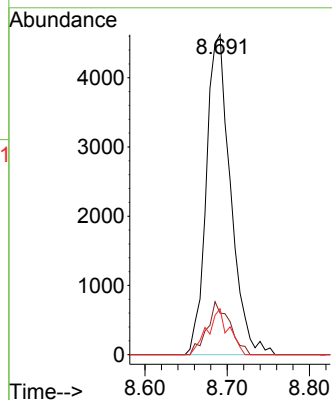
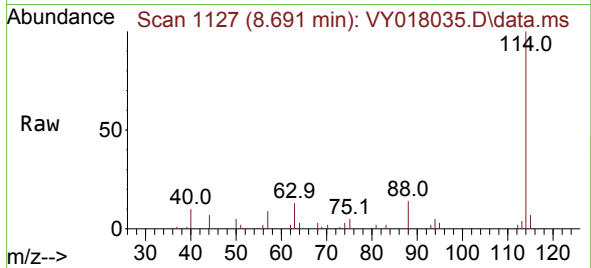




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY018035.D
Acq: 24 Apr 2024 13:14

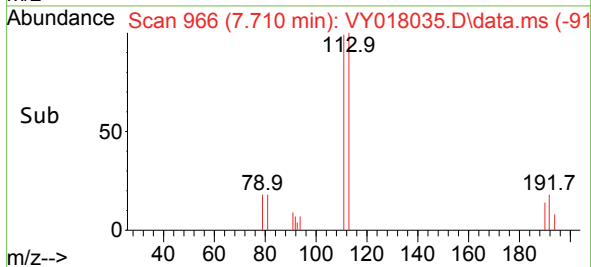
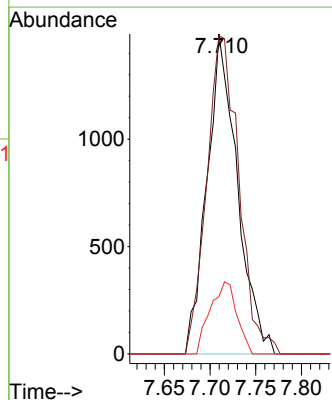
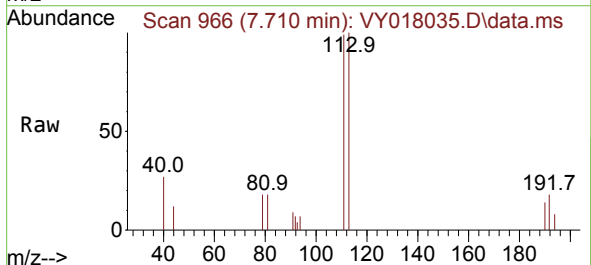
Instrument :
MSVOA_Y
ClientSampleId :

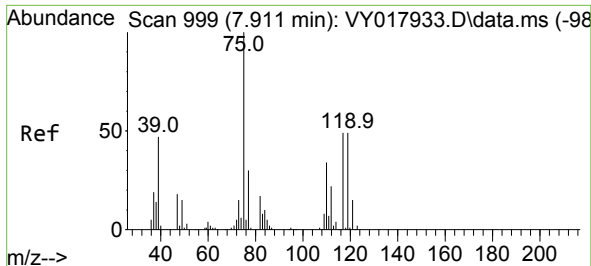
Tgt Ion:114 Resp: 9463
Ion Ratio Lower Upper
114 100
63 13.0 0.0 35.0
88 14.4 0.0 27.2



#35
Dibromofluoromethane
Concen: 58.906 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.012 min
Lab File: VY018035.D
Acq: 24 Apr 2024 13:14

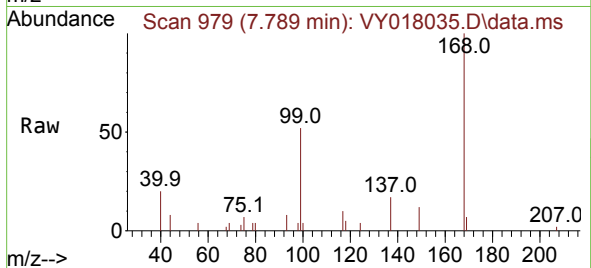
Tgt Ion:113 Resp: 3439
Ion Ratio Lower Upper
113 100
111 105.1 82.2 123.4
192 19.7 15.9 23.9



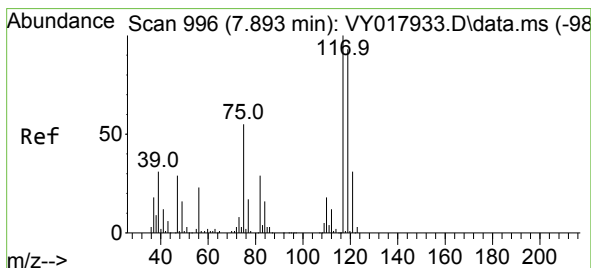
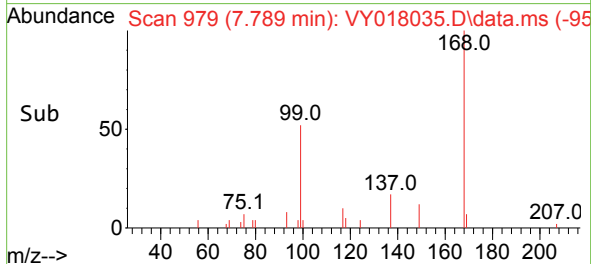
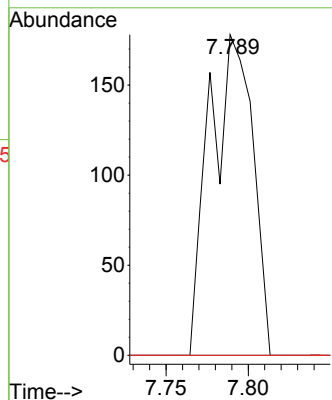


#36
1,1-Dichloropropene
Concen: 3.816 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY018035.D
Acq: 24 Apr 2024 13:14

Instrument :
MSVOA_Y
ClientSampleId :

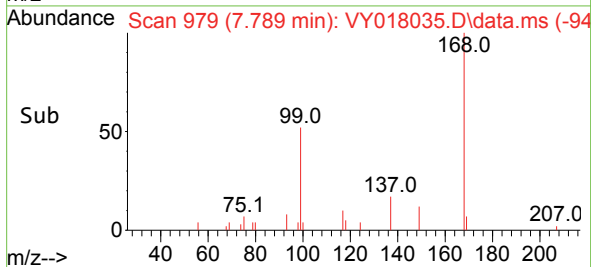
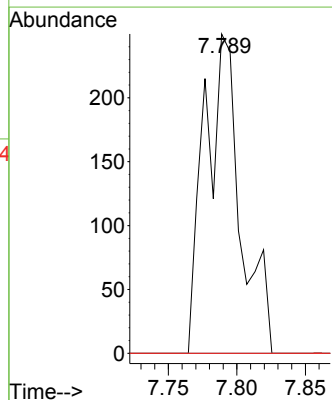
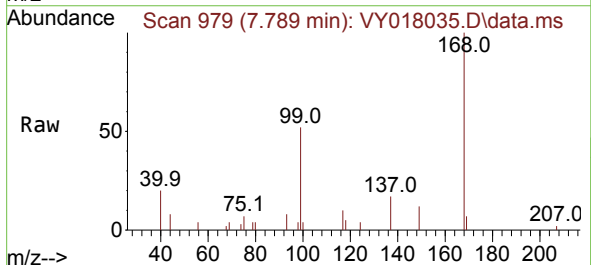


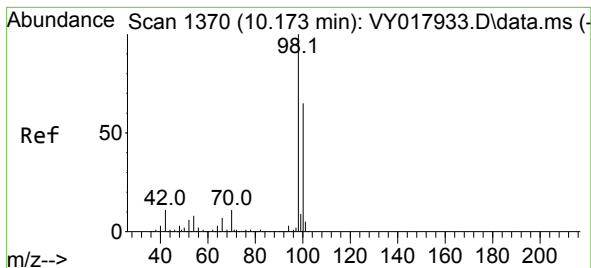
Tgt Ion: 75 Resp: 324
Ion Ratio Lower Upper
75 100
110 0.0 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.281 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY018035.D
Acq: 24 Apr 2024 13:14

Tgt Ion: 117 Resp: 453
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 42.446 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY018035.D

Acq: 24 Apr 2024 13:14

Instrument :

MSVOA_Y

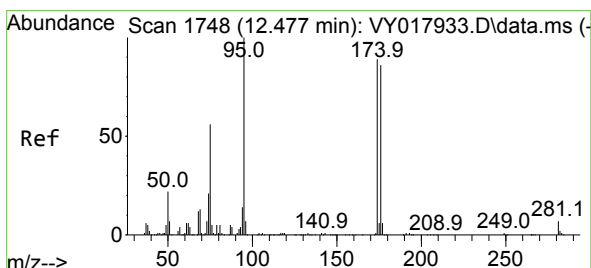
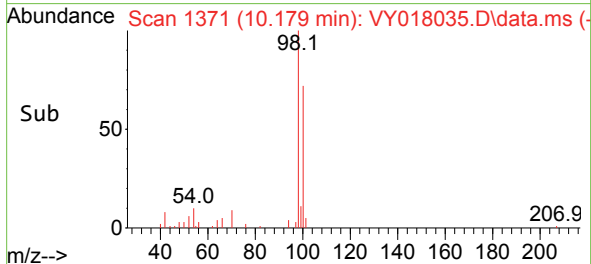
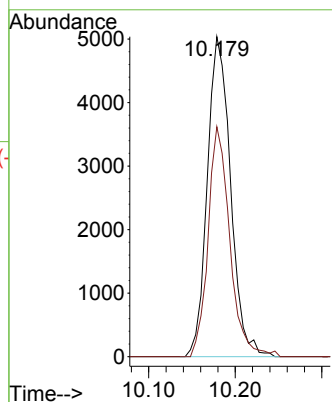
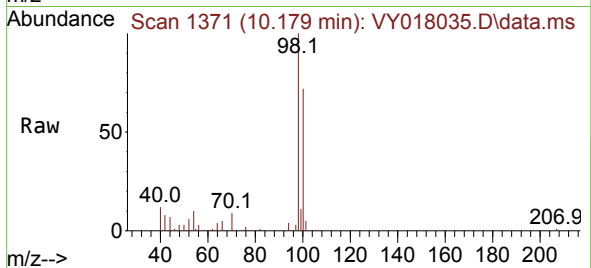
ClientSampleId :

Tgt Ion: 98 Resp: 9403

Ion Ratio Lower Upper

98 100

100 67.2 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 23.088 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY018035.D

Acq: 24 Apr 2024 13:14

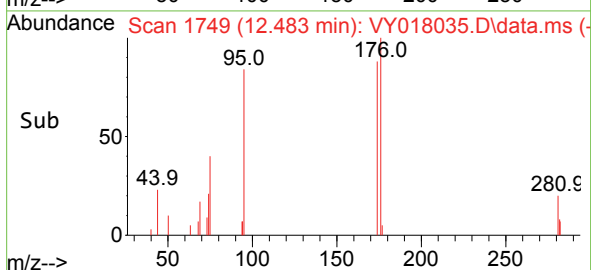
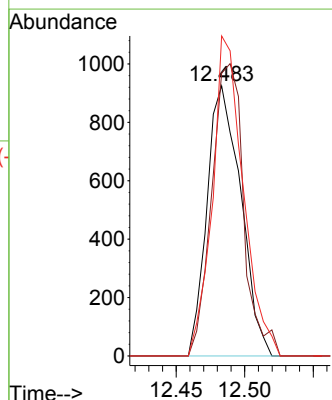
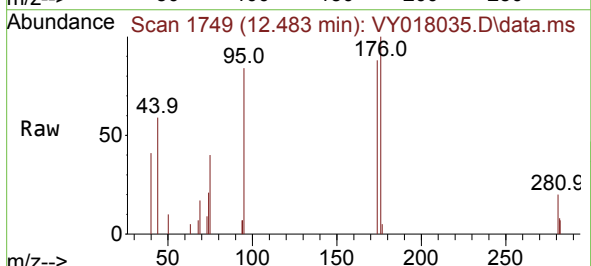
Tgt Ion: 95 Resp: 1584

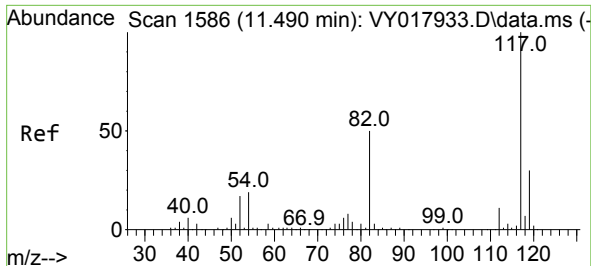
Ion Ratio Lower Upper

95 100

174 102.4 0.0 175.6

176 108.1 0.0 171.4

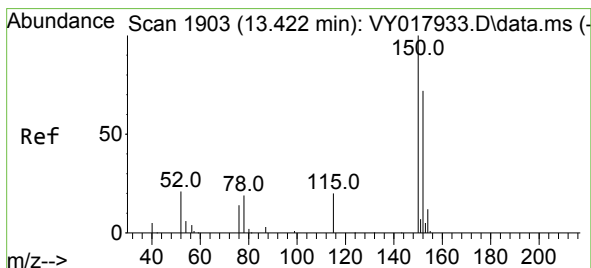
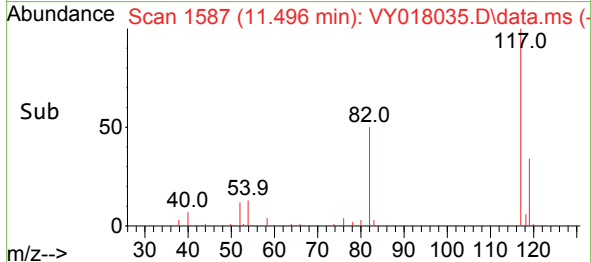
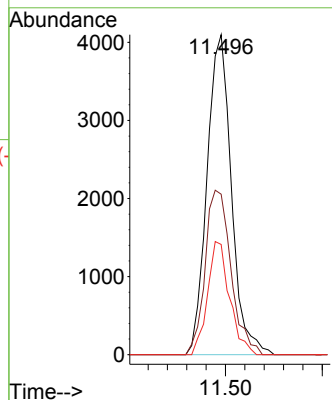
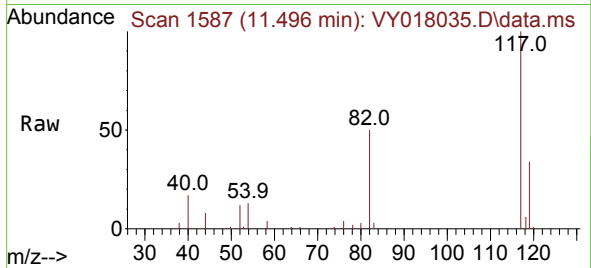




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY018035.D
Acq: 24 Apr 2024 13:14

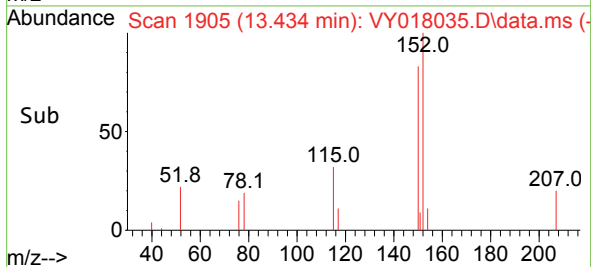
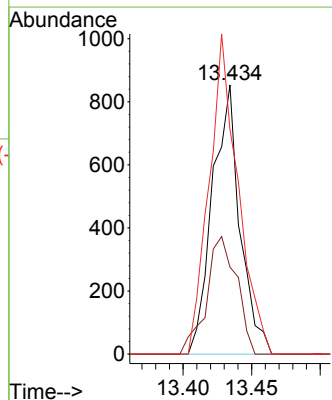
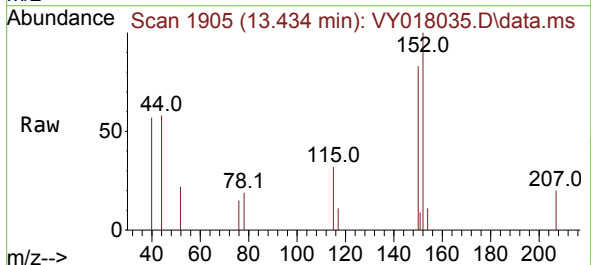
Instrument :
MSVOA_Y
ClientSampleId :

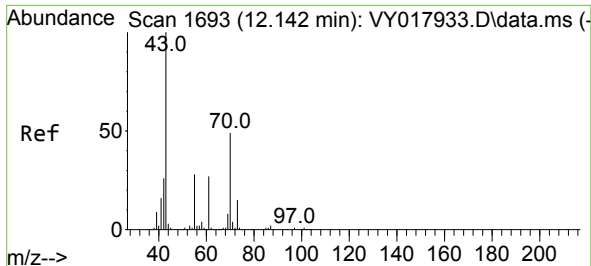
Tgt Ion:117 Resp: 7181
Ion Ratio Lower Upper
117 100
82 50.1 42.4 63.6
119 34.5 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VY018035.D
Acq: 24 Apr 2024 13:14

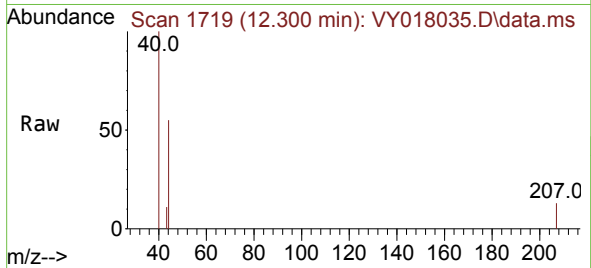
Tgt Ion:152 Resp: 1195
Ion Ratio Lower Upper
152 100
115 47.6 28.2 84.7
150 124.5 0.0 345.6



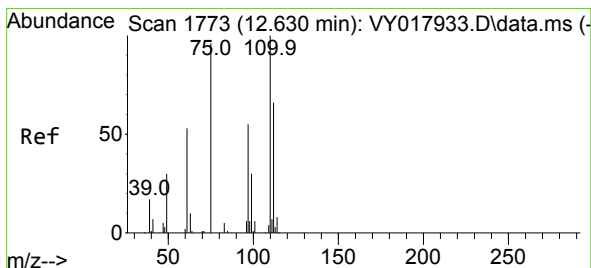
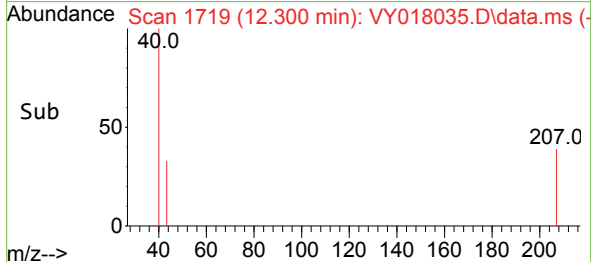
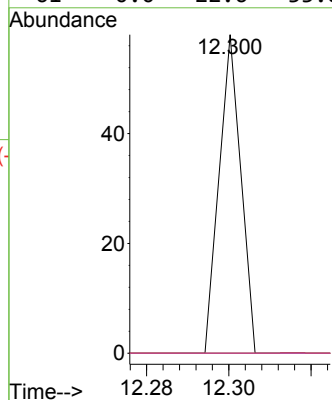


#74
N-amy1 acetate
Concen: 1.195 ug/l
RT: 12.300 min Scan# 1719
Delta R.T. 0.159 min
Lab File: VY018035.D
Acq: 24 Apr 2024 13:14

Instrument :
MSVOA_Y
ClientSampleId :

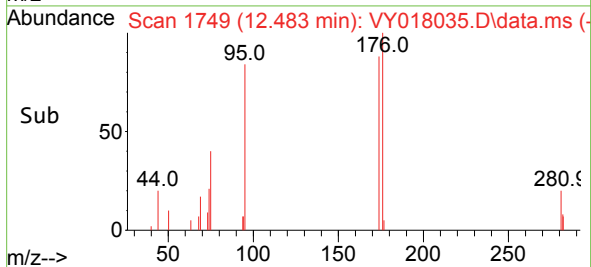
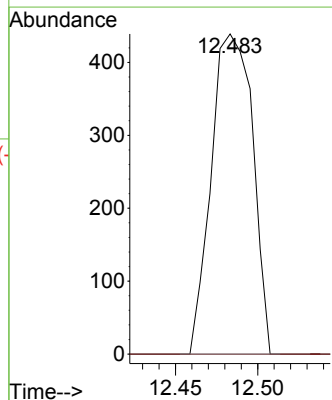
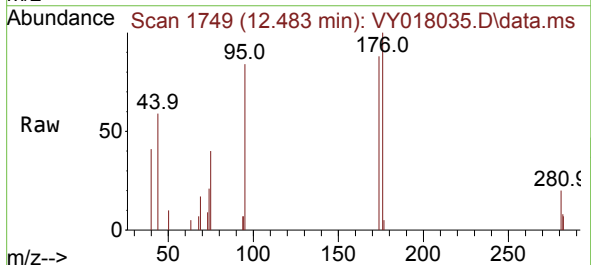


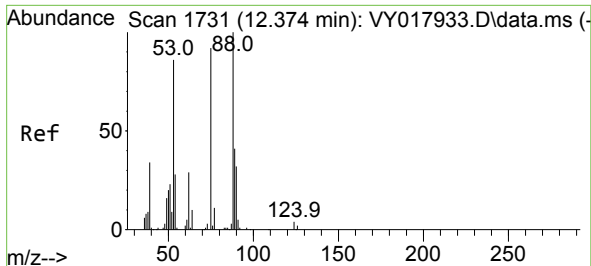
Tgt Ion: 43	Resp: 21
Ion Ratio	Lower Upper
43 100	
70 0.0	41.4 62.2#
55 0.0	23.3 34.9#
61 0.0	22.6 33.8#



#76
1,2,3-Trichloropropane
Concen: 68.488 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY018035.D
Acq: 24 Apr 2024 13:14

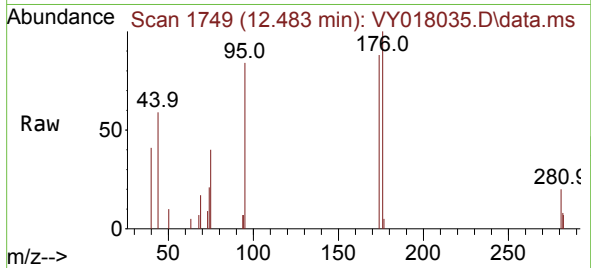
Tgt Ion: 75	Resp: 768
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0



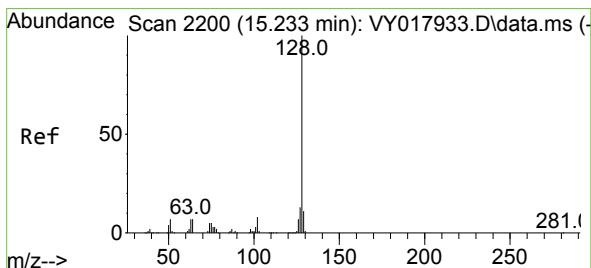
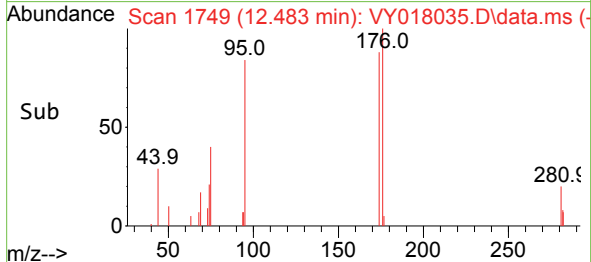
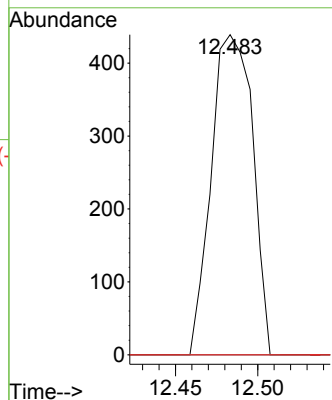


#81
trans-1,4-Dichloro-2-butene
Concen: 141.209 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY018035.D
Acq: 24 Apr 2024 13:14

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 768
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 2.398 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.012 min
Lab File: VY018035.D
Acq: 24 Apr 2024 13:14

Tgt Ion: 128 Resp: 83
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

