

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122223\
 Data File : VY016835.D
 Acq On : 23 Dec 2023 03:34
 Operator : SY/MD
 Sample : 05957-06
 Misc : 5.21g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 23 05:35:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

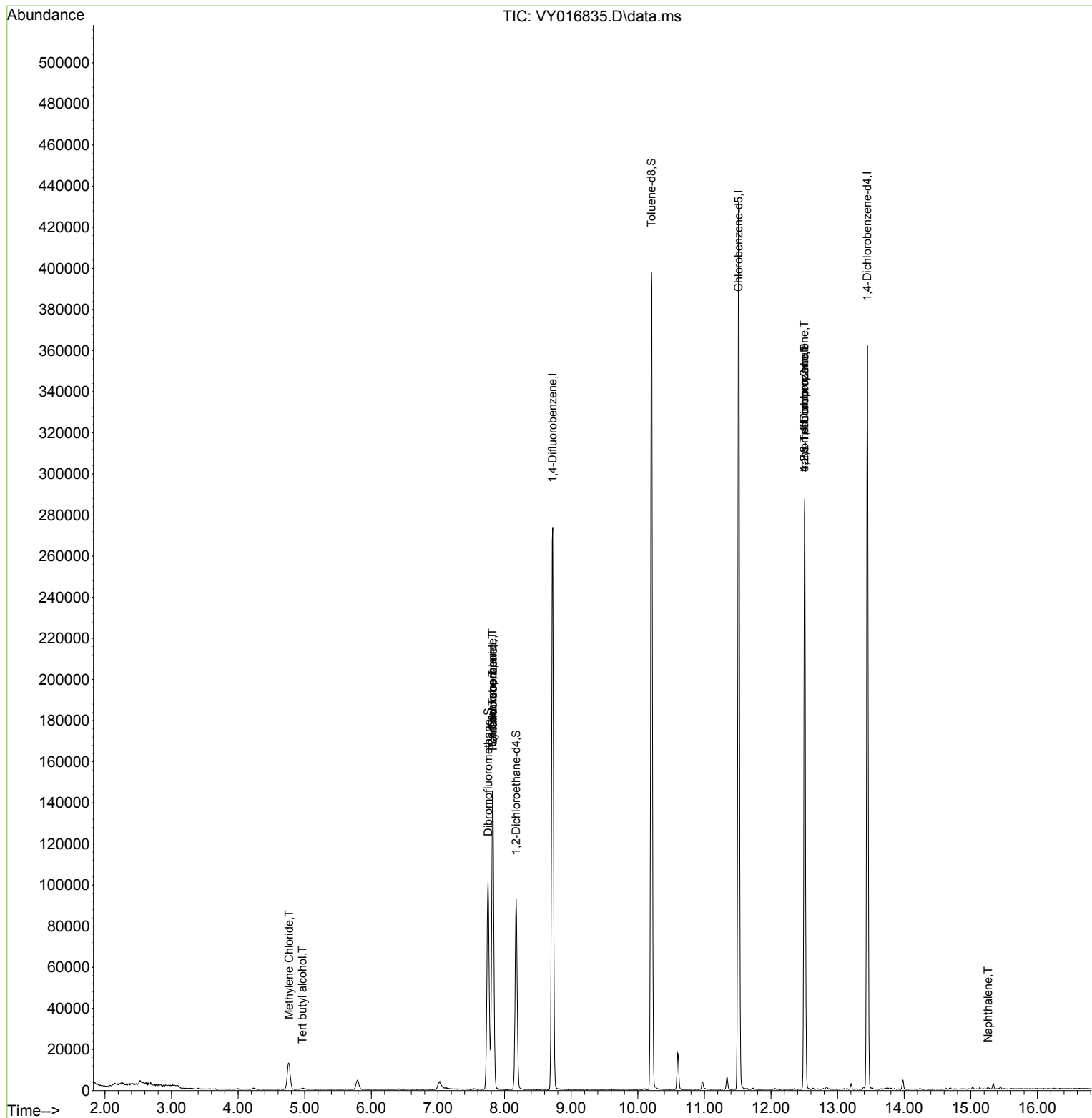
Internal Standards						
1) Pentafluorobenzene	7.826	168	109456	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.722	114	236915	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.514	117	236692	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.447	152	89110	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.173	65	70418	70.473	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.940%	
35) Dibromofluoromethane	7.753	113	74354	54.789	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.580%	
50) Toluene-d8	10.203	98	264776	54.122	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.240%	
62) 4-Bromofluorobenzene	12.502	95	85665	53.973	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.940%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.966	59	387	4.724	ug/l #	75
20) Methylene Chloride	4.765	84	10136	4.567	ug/l	97
31) Cyclohexane	7.820	56	2344	1.224	ug/l #	1
36) 1,1-Dichloropropene	7.820	75	9625	4.424	ug/l #	49
38) Carbon Tetrachloride	7.820	117	11209	5.206	ug/l #	17
76) 1,2,3-Trichloropropane	12.502	75	45910	46.606	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.502	75	45910	109.452	ug/l #	13
95) Naphthalene	15.257	128	1016	3.922	ug/l #	88

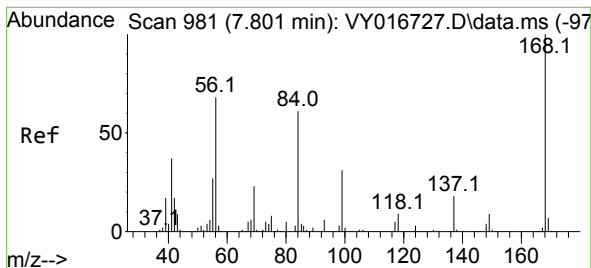
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 21 01:49:45 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.826 min Scan# 981

Delta R.T. 0.025 min

Lab File: VY016835.D

Acq: 23 Dec 2023 03:34

Instrument :

MSVOA_Y

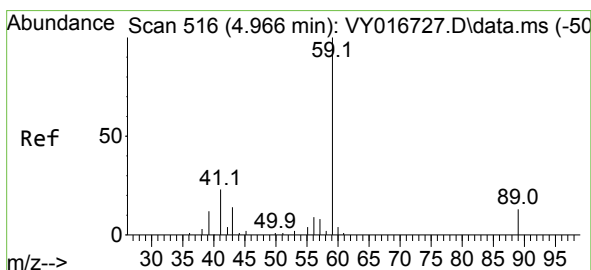
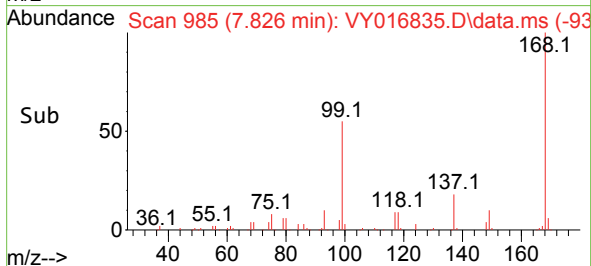
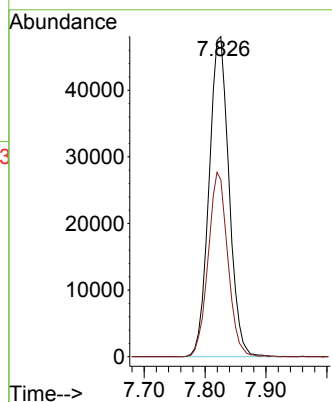
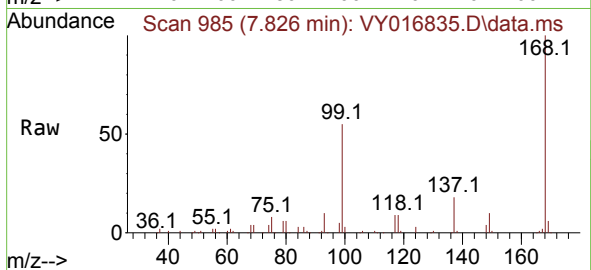
ClientSampleId :

Tgt Ion:168 Resp: 109456

Ion Ratio Lower Upper

168 100

99 55.3 44.2 66.4



#11

Tert butyl alcohol

Concen: 4.724 ug/l

RT: 4.966 min Scan# 516

Delta R.T. 0.000 min

Lab File: VY016835.D

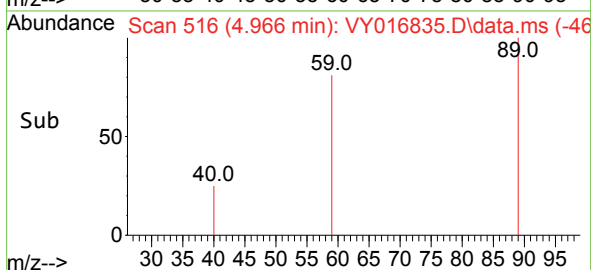
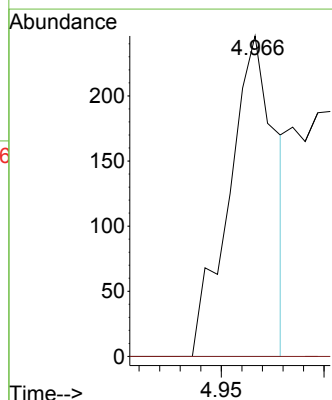
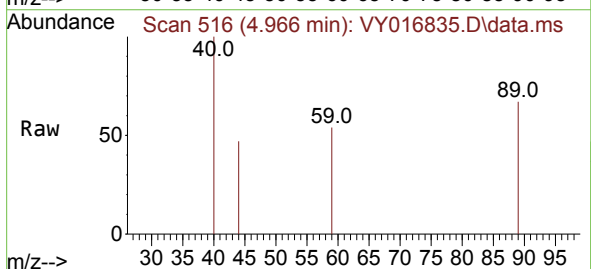
Acq: 23 Dec 2023 03:34

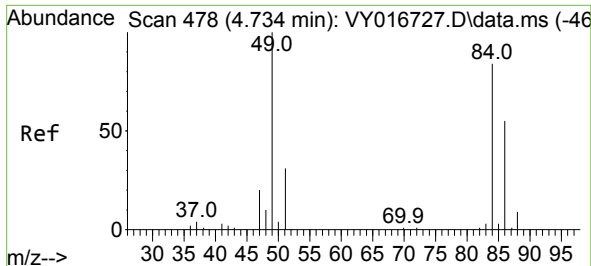
Tgt Ion: 59 Resp: 387

Ion Ratio Lower Upper

59 100

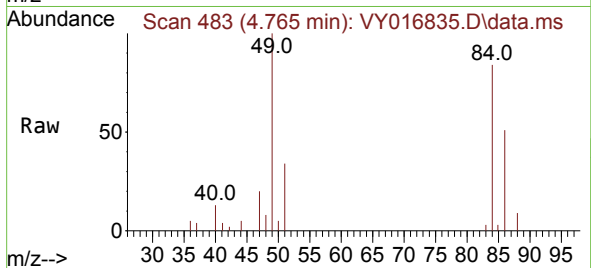
57 0.0 7.4 11.0#





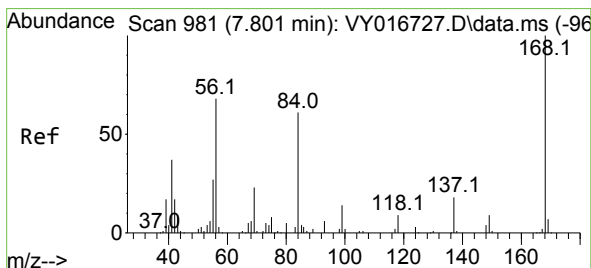
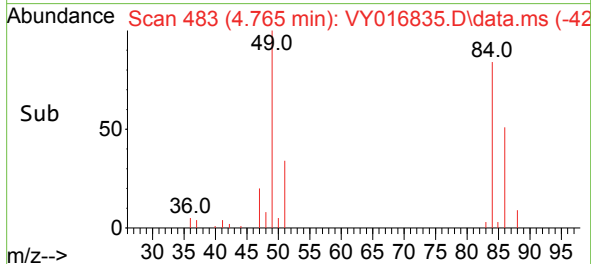
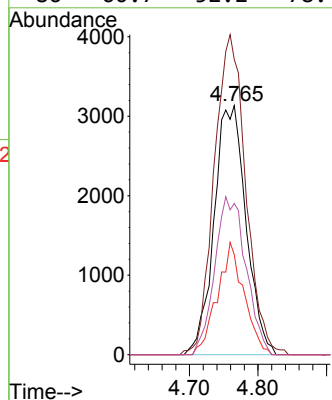
#20
Methylene Chloride
Concen: 4.567 ug/l
RT: 4.765 min Scan# 41
Delta R.T. 0.031 min
Lab File: VY016835.D
Acq: 23 Dec 2023 03:34

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 10136

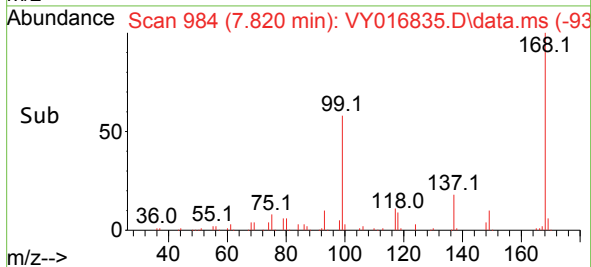
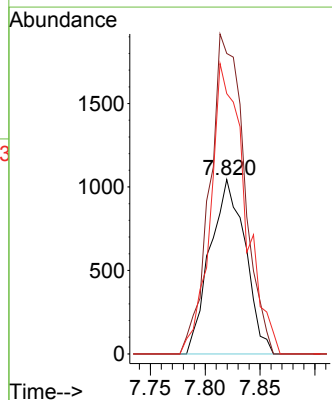
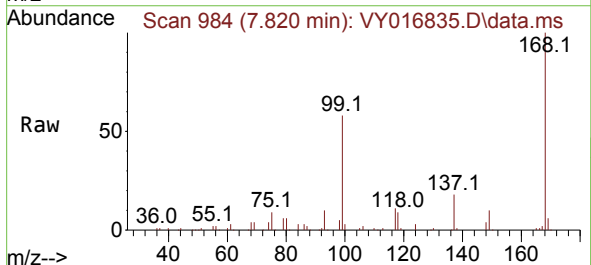
Ion	Ratio	Lower	Upper
84	100		
49	118.5	95.2	142.8
51	40.2	29.9	44.9
86	60.7	52.2	78.4

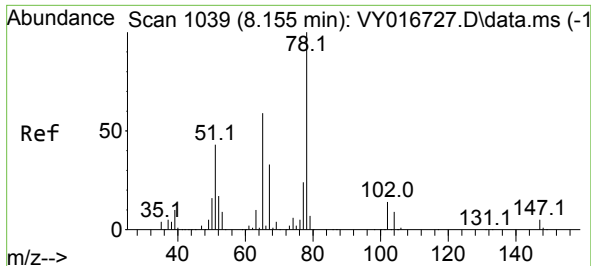


#31
Cyclohexane
Concen: 1.224 ug/l
RT: 7.820 min Scan# 984
Delta R.T. 0.019 min
Lab File: VY016835.D
Acq: 23 Dec 2023 03:34

Tgt Ion: 56 Resp: 2344

Ion	Ratio	Lower	Upper
56	100		
69	172.2	27.0	40.6#
84	149.2	71.8	107.6#





#33

1,2-Dichloroethane-d4

Concen: 70.473 ug/l

RT: 8.173 min Scan# 110

Delta R.T. 0.019 min

Lab File: VY016835.D

Acq: 23 Dec 2023 03:34

Instrument :

MSVOA_Y

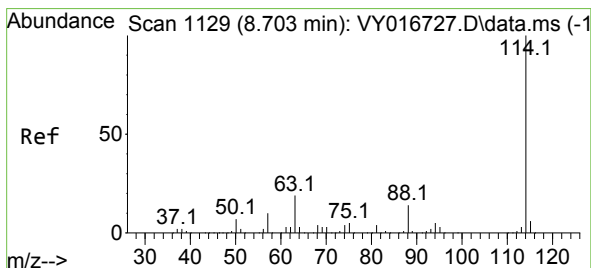
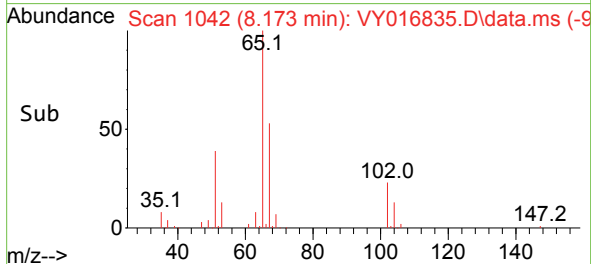
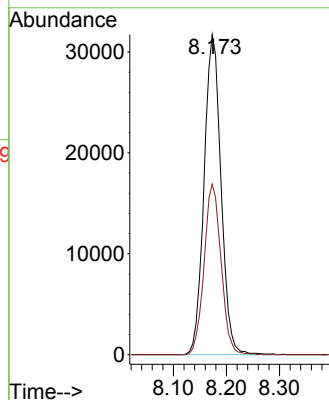
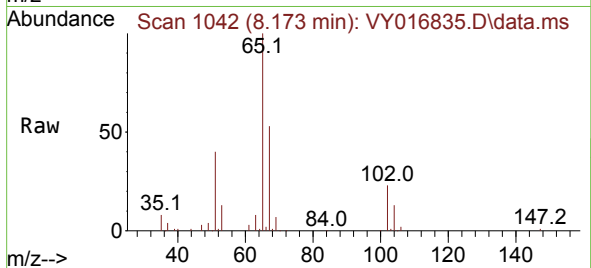
ClientSampleId :

Tgt Ion: 65 Resp: 70418

Ion Ratio Lower Upper

65 100

67 53.3 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.722 min Scan# 1132

Delta R.T. 0.019 min

Lab File: VY016835.D

Acq: 23 Dec 2023 03:34

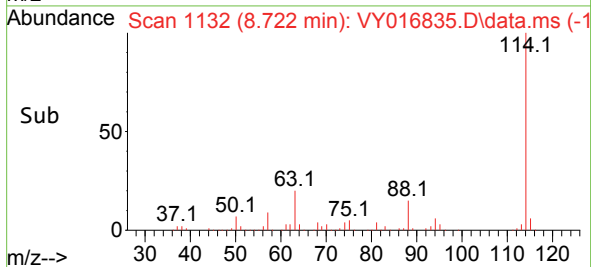
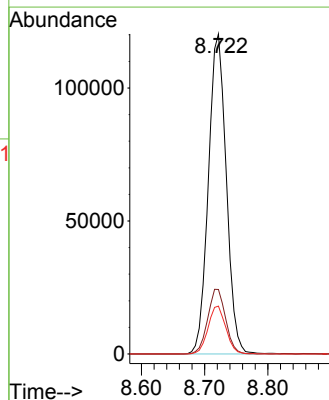
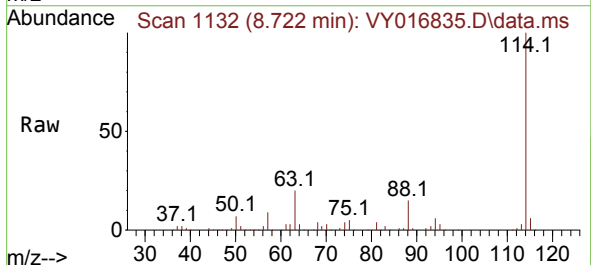
Tgt Ion: 114 Resp: 236915

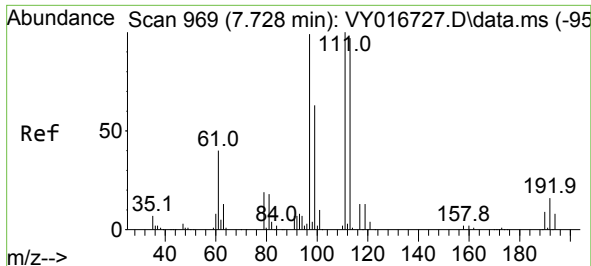
Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.4

88 15.0 0.0 29.0

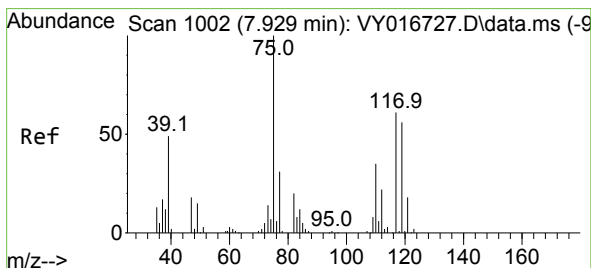
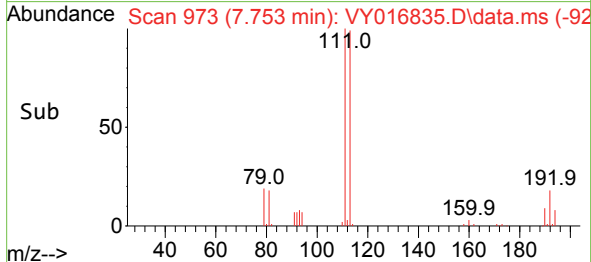
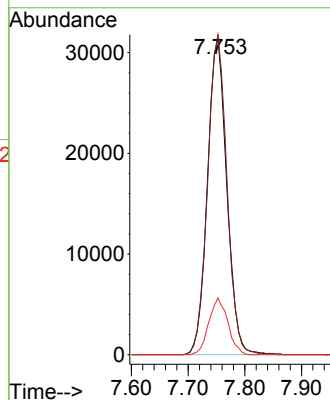
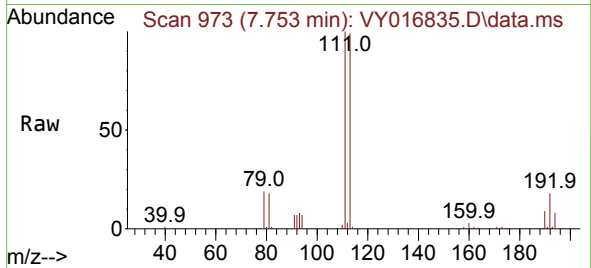




#35
Dibromofluoromethane
Concen: 54.789 ug/l
RT: 7.753 min Scan# 91
Delta R.T. 0.025 min
Lab File: VY016835.D
Acq: 23 Dec 2023 03:34

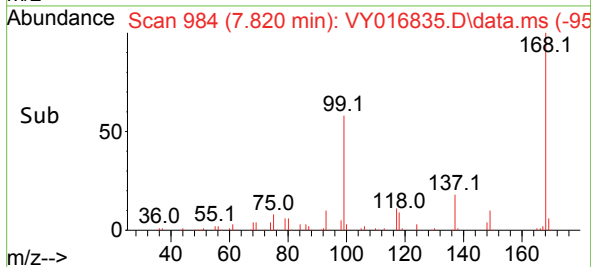
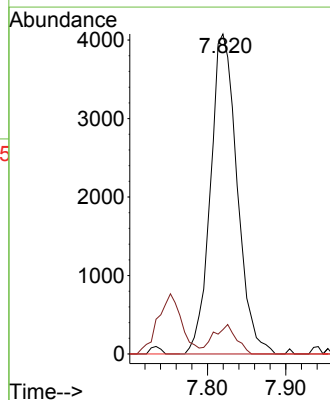
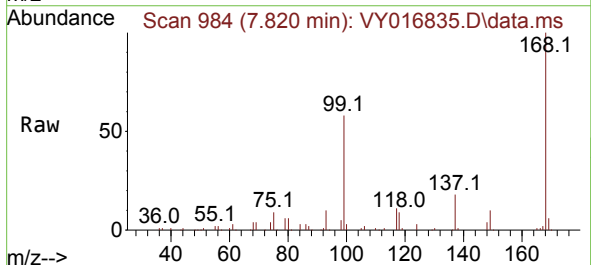
Instrument :
MSVOA_Y
ClientSampleId :

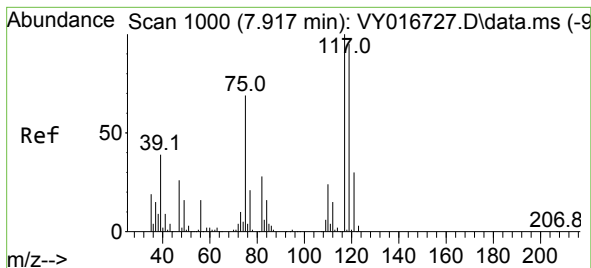
Tgt Ion:113 Resp: 74354
Ion Ratio Lower Upper
113 100
111 101.7 83.8 125.6
192 17.6 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.424 ug/l
RT: 7.820 min Scan# 984
Delta R.T. -0.109 min
Lab File: VY016835.D
Acq: 23 Dec 2023 03:34

Tgt Ion: 75 Resp: 9625
Ion Ratio Lower Upper
75 100
110 7.9 17.4 52.3#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.206 ug/l

RT: 7.820 min Scan# 91

Delta R.T. -0.097 min

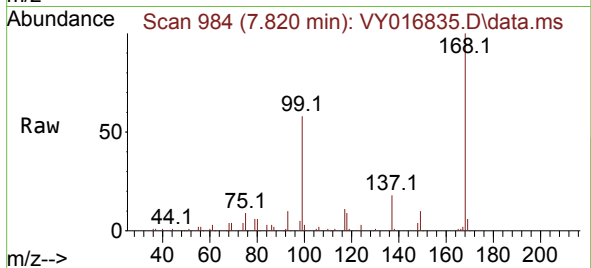
Lab File: VY016835.D

Acq: 23 Dec 2023 03:34

Instrument :

MSVOA_Y

ClientSampleId :



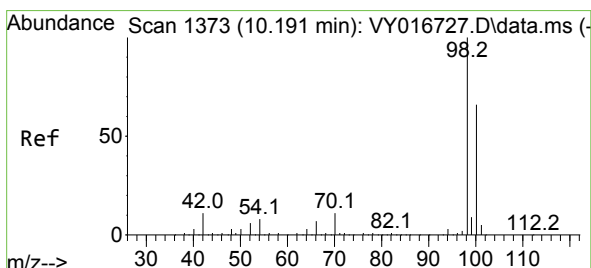
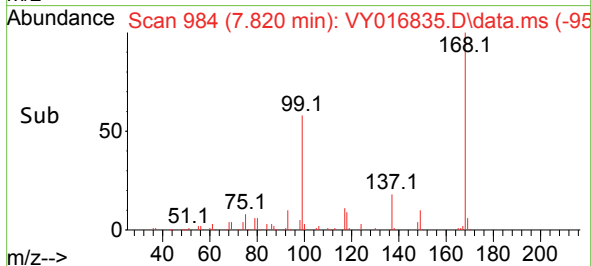
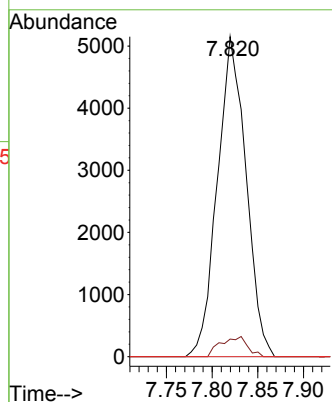
Tgt Ion:117 Resp: 11209

Ion Ratio Lower Upper

117 100

119 5.5 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 54.122 ug/l

RT: 10.203 min Scan# 1375

Delta R.T. 0.013 min

Lab File: VY016835.D

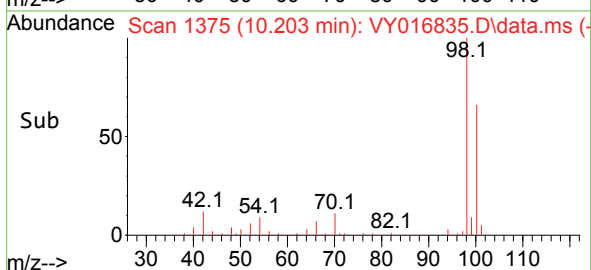
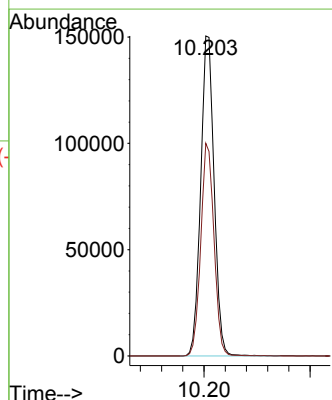
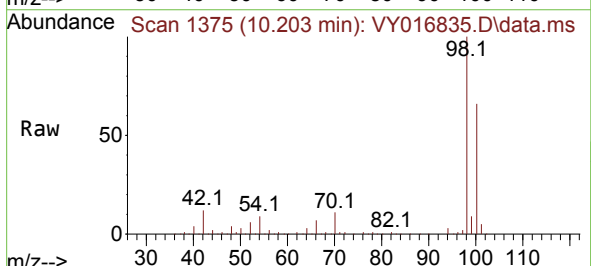
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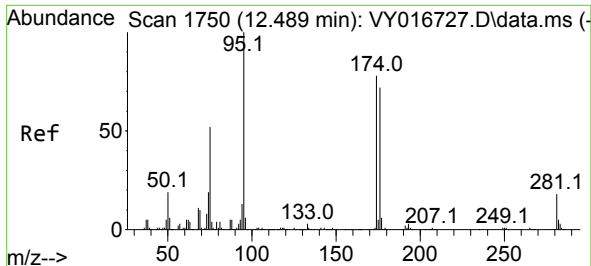
Tgt Ion: 98 Resp: 264776

Ion Ratio Lower Upper

98 100

100 65.5 52.3 78.5

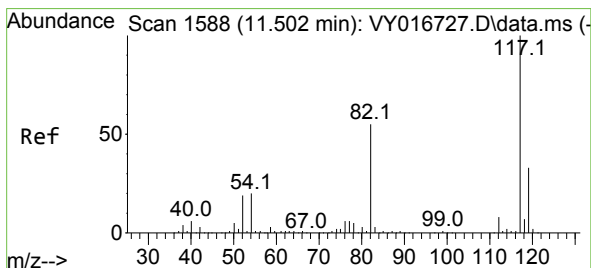
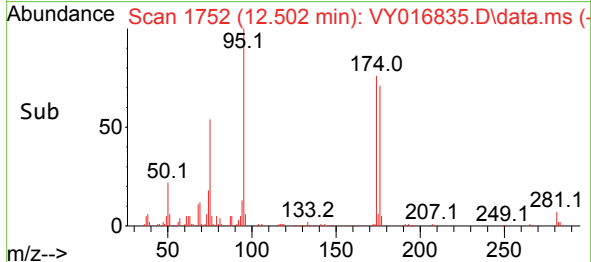
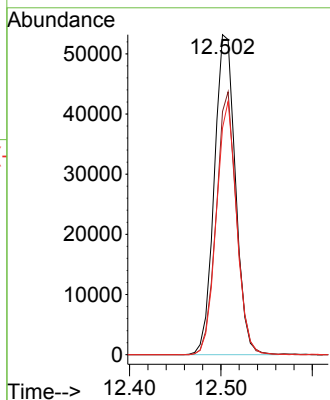
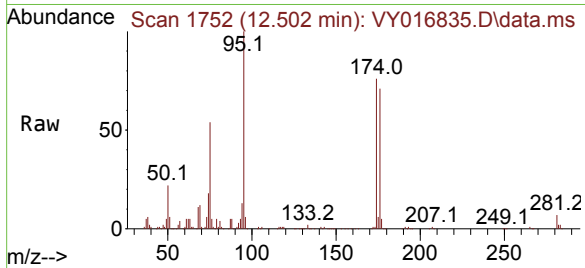




#62
4-Bromofluorobenzene
Concen: 53.973 ug/l
RT: 12.502 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY016835.D
Acq: 23 Dec 2023 03:34

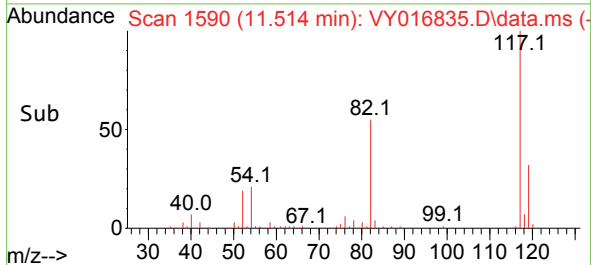
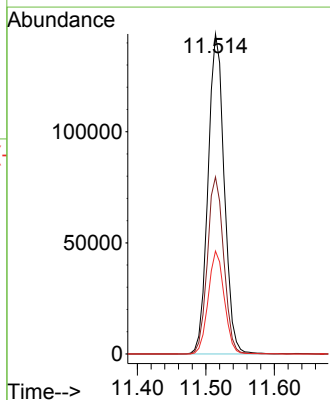
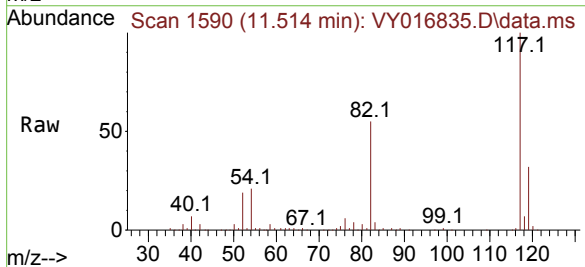
Instrument :
MSVOA_Y
ClientSampleId :

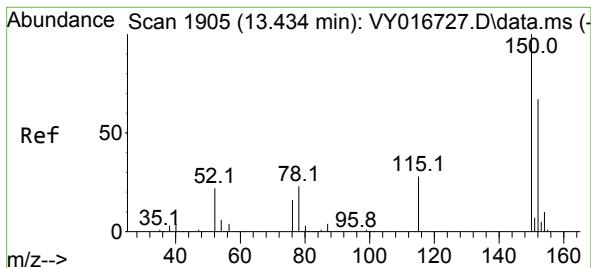
Tgt Ion: 95 Resp: 85665
Ion Ratio Lower Upper
95 100
174 78.5 0.0 160.0
176 76.0 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 1590
Delta R.T. 0.013 min
Lab File: VY016835.D
Acq: 23 Dec 2023 03:34

Tgt Ion: 117 Resp: 236692
Ion Ratio Lower Upper
117 100
82 55.3 43.8 65.8
119 32.2 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.447 min Scan# 1905

Delta R.T. 0.013 min

Lab File: VY016835.D

Acq: 23 Dec 2023 03:34

Instrument :

MSVOA_Y

ClientSampleId :

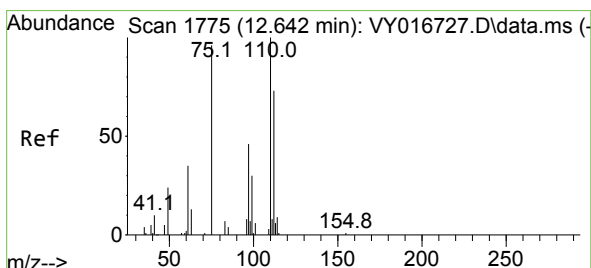
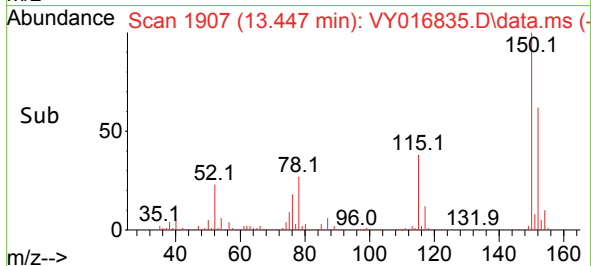
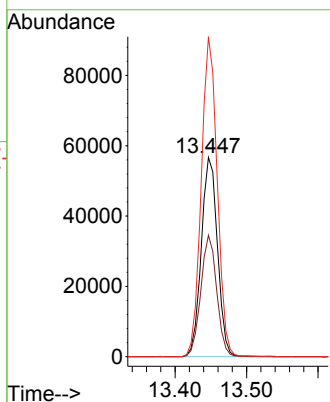
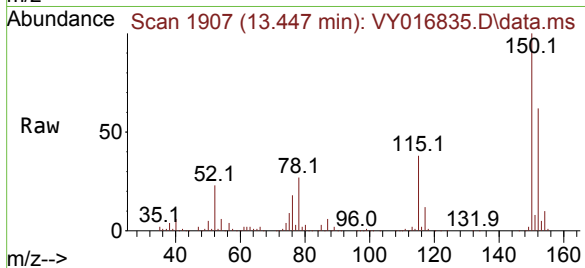
Tgt Ion:152 Resp: 89110

Ion Ratio Lower Upper

152 100

115 59.8 30.0 90.0

150 158.2 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 46.606 ug/l

RT: 12.502 min Scan# 1752

Delta R.T. -0.140 min

Lab File: VY016835.D

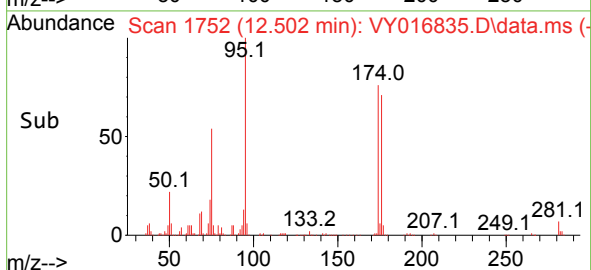
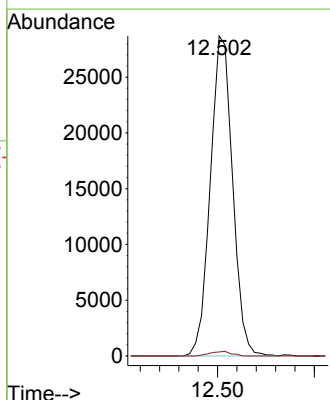
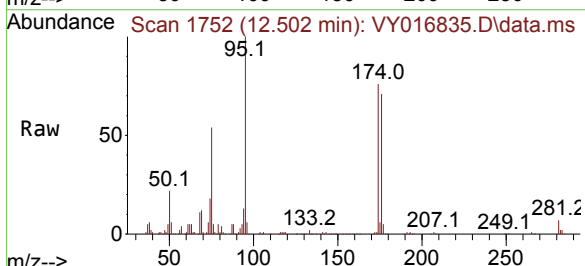
Acq: 23 Dec 2023 03:34

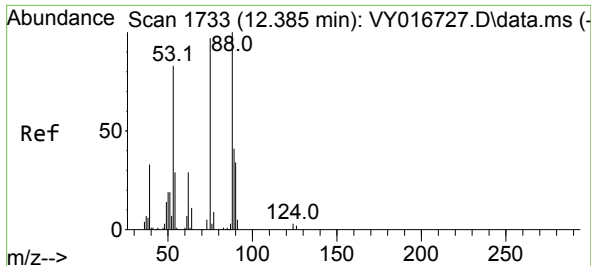
Tgt Ion: 75 Resp: 45910

Ion Ratio Lower Upper

75 100

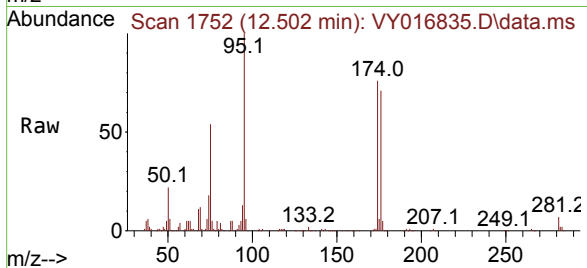
77 1.4 0.0 0.0#



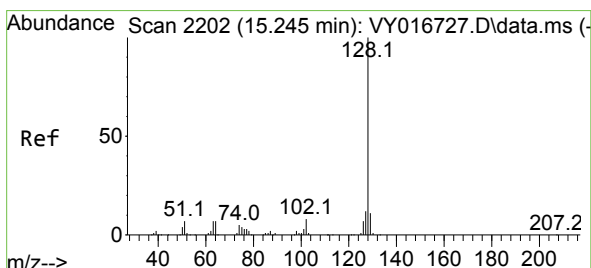
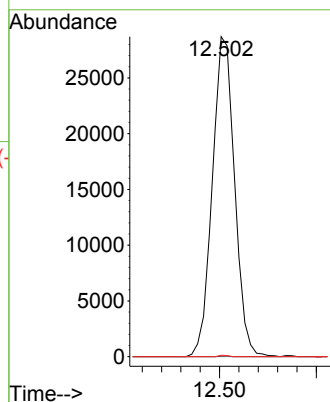
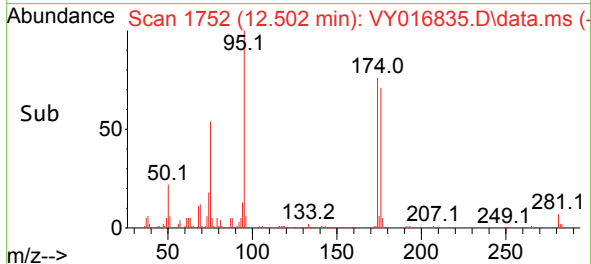


#81
trans-1,4-Dichloro-2-butene
Concen: 109.452 ug/l
RT: 12.502 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY016835.D
Acq: 23 Dec 2023 03:34

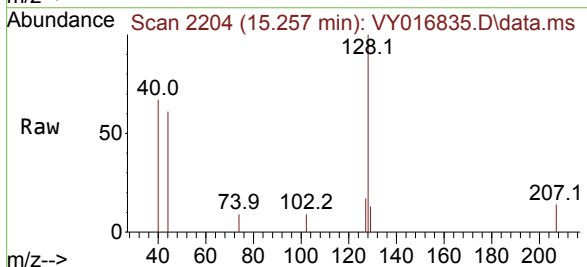
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 45910
Ion Ratio Lower Upper
75 100
53 0.1 74.0 111.0#
89 0.2 36.5 54.7#



#95
Naphthalene
Concen: 3.922 ug/l
RT: 15.257 min Scan# 2204
Delta R.T. 0.012 min
Lab File: VY016835.D
Acq: 23 Dec 2023 03:34



Tgt Ion: 128 Resp: 1016
Ion Ratio Lower Upper
128 100
127 6.0 10.2 15.4#
129 8.4 8.6 12.8#

