

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010924\
 Data File : VY016954.D
 Acq On : 09 Jan 2024 17:21
 Operator : SY/MD
 Sample : P1070-01RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 10 02:30:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

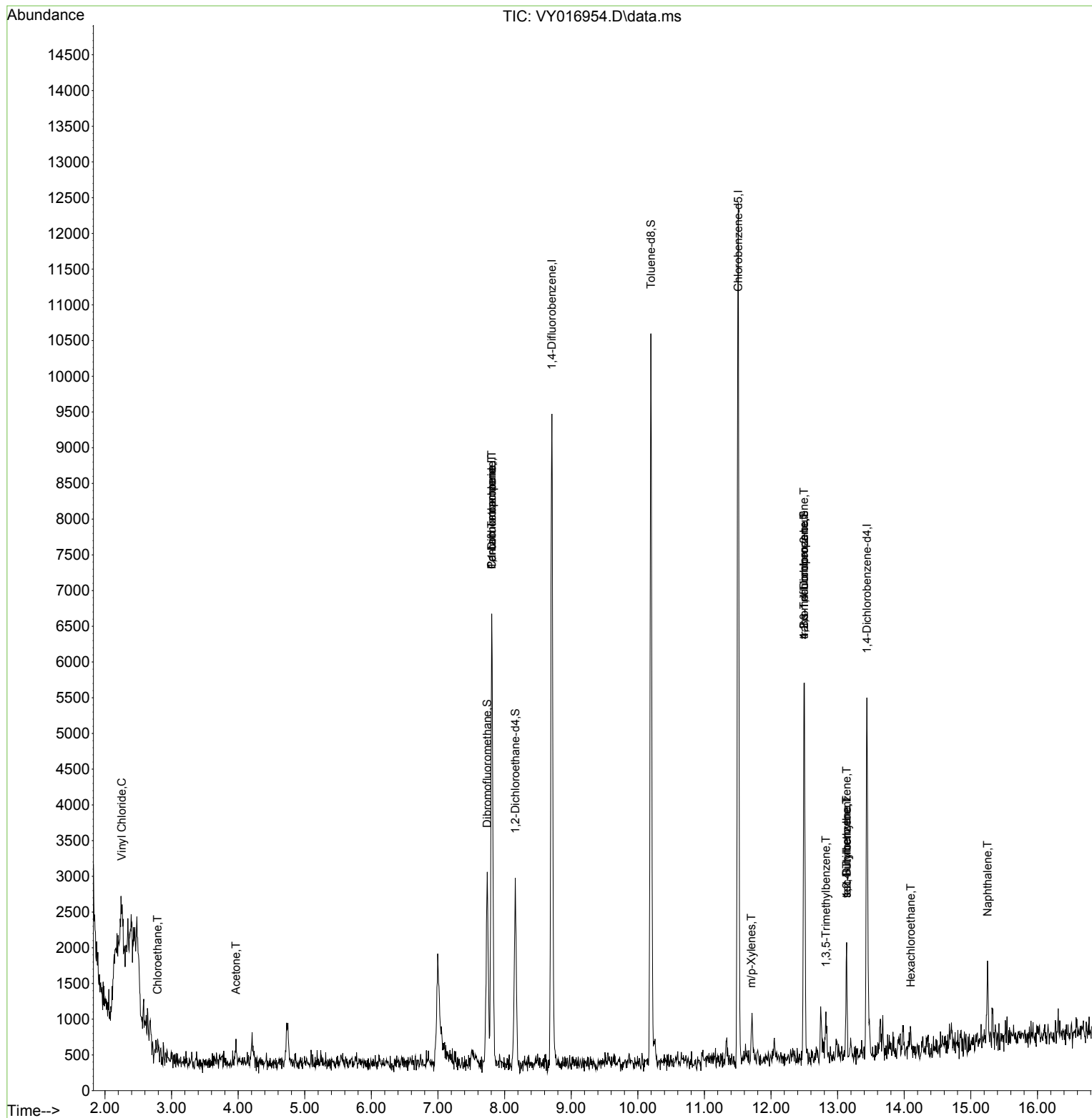
Internal Standards						
1) Pentafluorobenzene	7.807	168	5023	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.709	114	8309	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	6712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	1509	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	1993	40.145	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.280%
35) Dibromofluoromethane	7.740	113	2144	40.493	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.980%
50) Toluene-d8	10.197	98	7076	38.809	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	77.620%
62) 4-Bromofluorobenzene	12.495	95	1762	28.643	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	57.280%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.253	62	159	2.284	ug/l #	43
6) Chloroethane	2.790	64	124	2.634	ug/l #	43
16) Acetone	3.966	43	349	4.852	ug/l	95
20) Methylene Chloride	4.735	84	287	Below Cal	#	69
25) 2-Butanone	7.002	43	19	Below Cal	#	48
36) 1,1-Dichloropropene	7.807	75	413	5.352	ug/l #	42
38) Carbon Tetrachloride	7.807	117	453	5.778	ug/l #	12
68) m/p-Xylenes	11.703	106	230	2.489	ug/l #	57
76) 1,2,3-Trichloropropane	12.495	75	911	55.632	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.825	105	451	4.628	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.495	75	911	126.327	ug/l #	12
83) tert-Butylbenzene	13.135	119	120	1.398	ug/l #	85
84) 1,2,4-Trimethylbenzene	13.135	105	776	8.085	ug/l	74
85) sec-Butylbenzene	13.135	105	776	6.101	ug/l #	57
90) Hexachloroethane	14.099	117	198	8.778	ug/l #	17
95) Naphthalene	15.251	128	1089	27.785	ug/l #	91

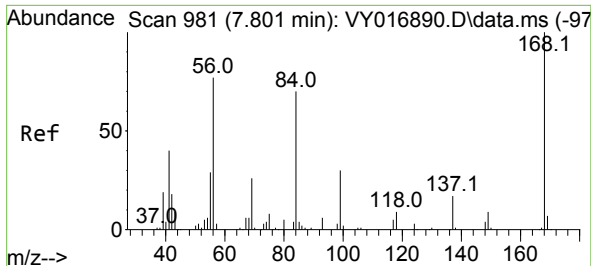
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 10 02:30:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 02 14:25:32 2024
Response via : Initial Calibration

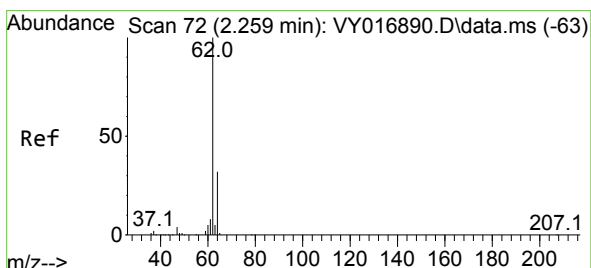
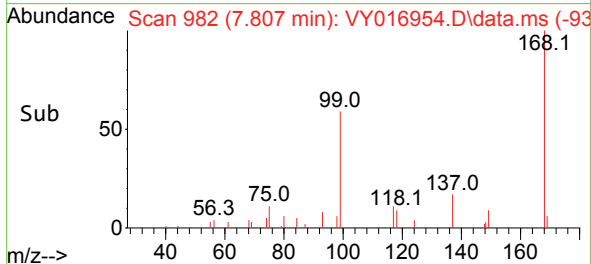
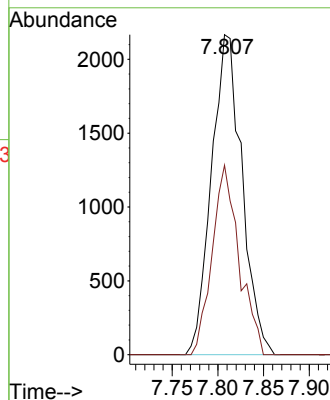
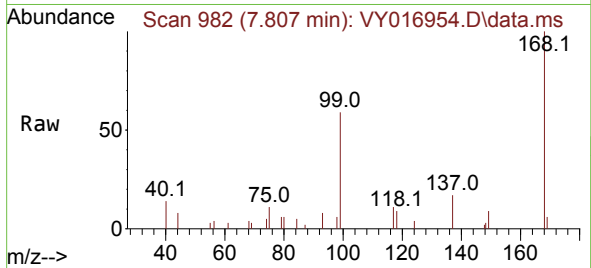




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016954.D
Acq: 09 Jan 2024 17:21

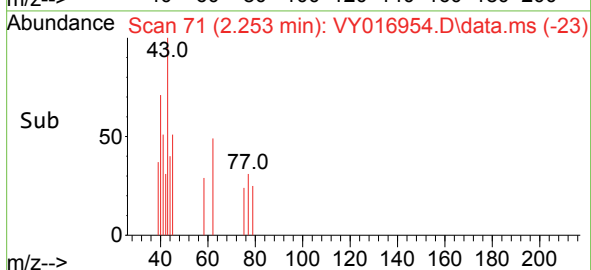
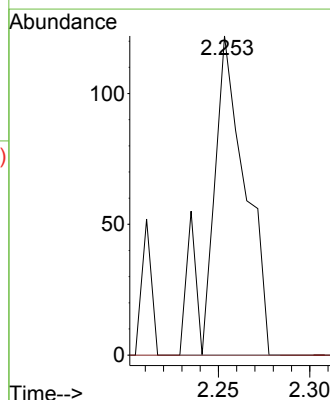
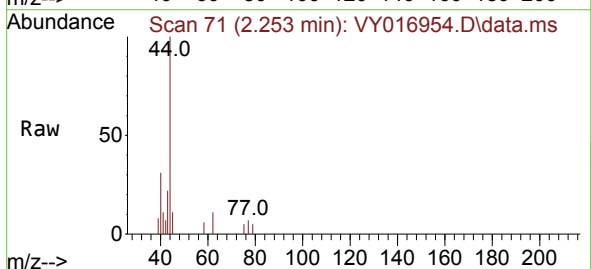
Instrument :
MSVOA_Y
ClientSampleId :

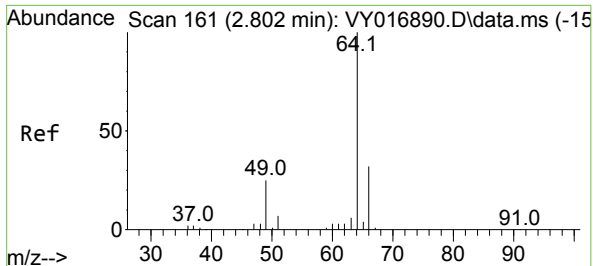
Tgt Ion:168 Resp: 5023
Ion Ratio Lower Upper
168 100
99 59.2 44.2 66.4



#4
Vinyl Chloride
Concen: 2.284 ug/l
RT: 2.253 min Scan# 71
Delta R.T. -0.006 min
Lab File: VY016954.D
Acq: 09 Jan 2024 17:21

Tgt Ion: 62 Resp: 159
Ion Ratio Lower Upper
62 100
64 0.0 25.7 38.5#

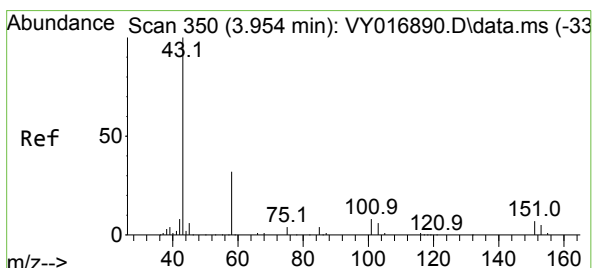
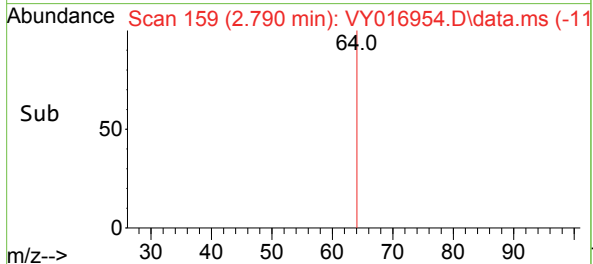
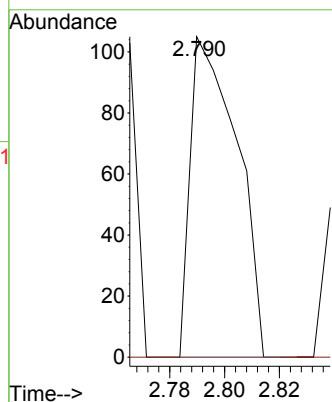
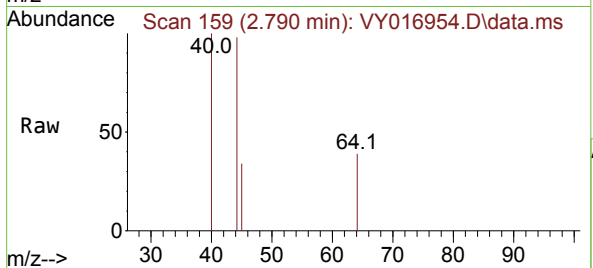




#6
Chloroethane
Concen: 2.634 ug/l
RT: 2.790 min Scan# 11
Delta R.T. -0.018 min
Lab File: VY016954.D
Acq: 09 Jan 2024 17:21

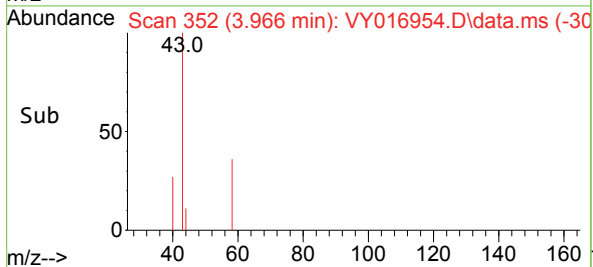
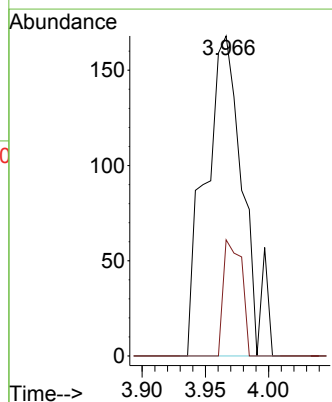
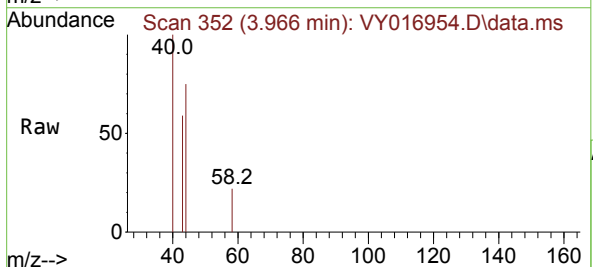
Instrument :
MSVOA_Y
ClientSampleId :

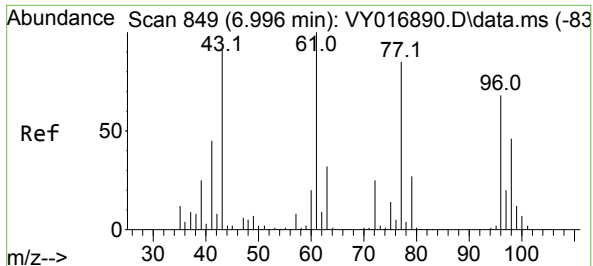
Tgt Ion: 64 Resp: 124
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#16
Acetone
Concen: 4.852 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY016954.D
Acq: 09 Jan 2024 17:21

Tgt Ion: 43 Resp: 349
Ion Ratio Lower Upper
43 100
58 36.3 26.6 39.8

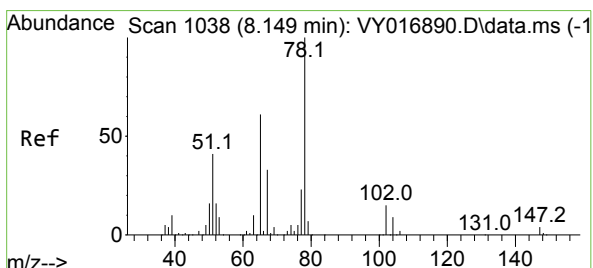
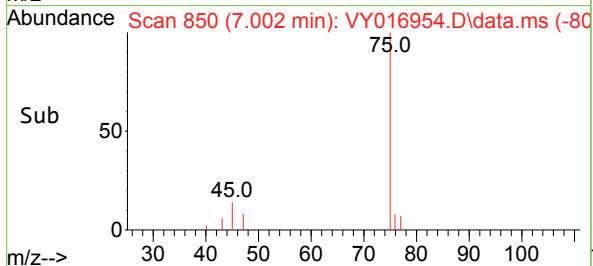
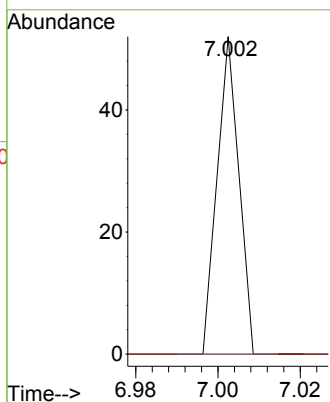
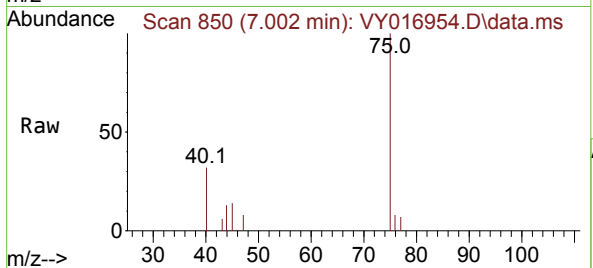




#25
2-Butanone
Concen: Below Cal
RT: 7.002 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY016954.D
Acq: 09 Jan 2024 17:21

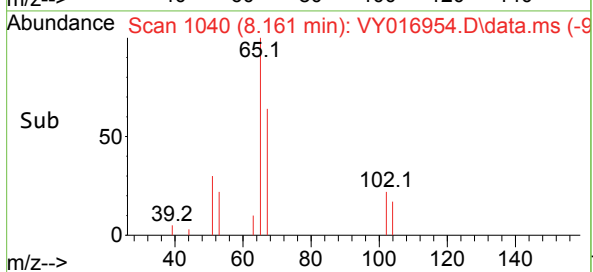
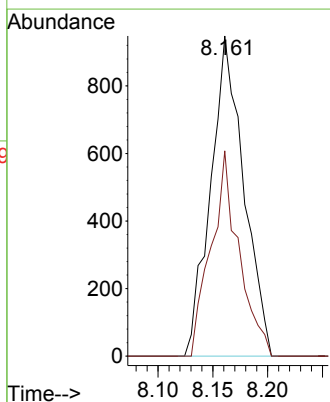
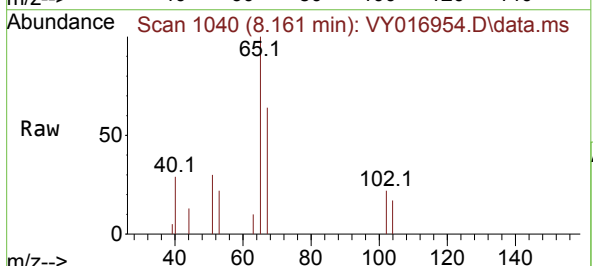
Instrument :
MSVOA_Y
ClientSampleId :

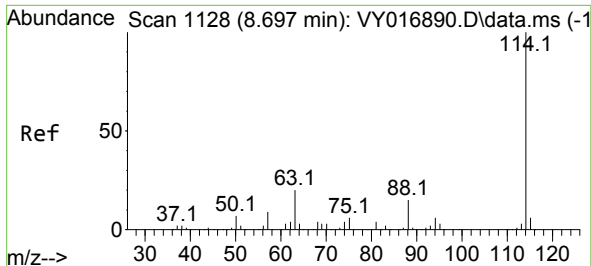
Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



#33
1,2-Dichloroethane-d4
Concen: 40.145 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY016954.D
Acq: 09 Jan 2024 17:21

Tgt Ion: 65 Resp: 1993
Ion Ratio Lower Upper
65 100
67 54.0 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.709 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY016954.D

Acq: 09 Jan 2024 17:21

Instrument :

MSVOA_Y

ClientSampleId :

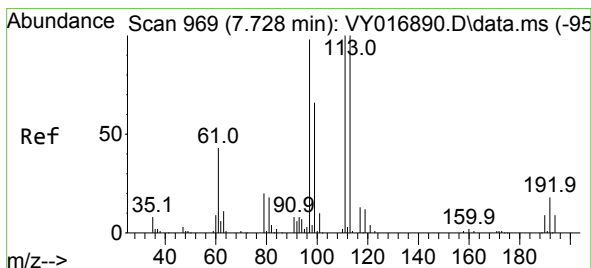
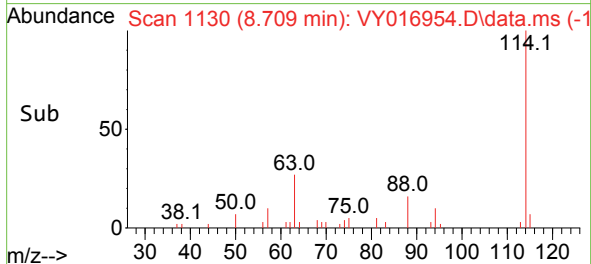
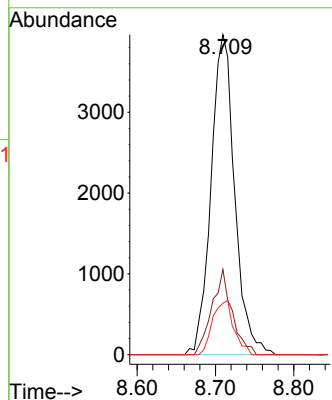
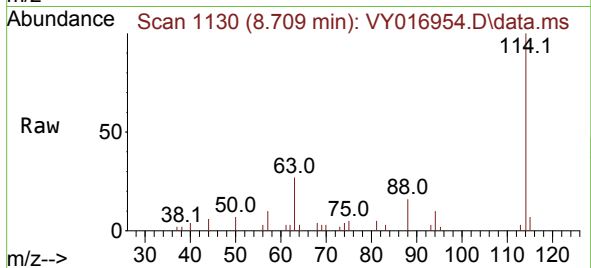
Tgt Ion:114 Resp: 8309

Ion Ratio Lower Upper

114 100

63 26.6 0.0 37.4

88 16.1 0.0 29.0



#35

Dibromofluoromethane

Concen: 40.493 ug/l

RT: 7.740 min Scan# 971

Delta R.T. 0.012 min

Lab File: VY016954.D

Acq: 09 Jan 2024 17:21

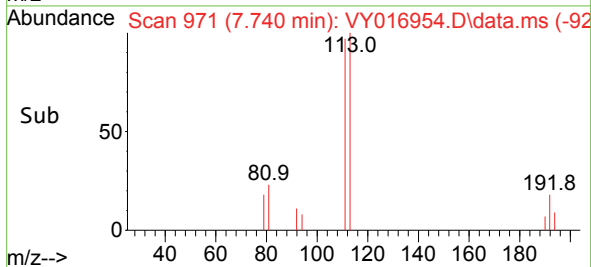
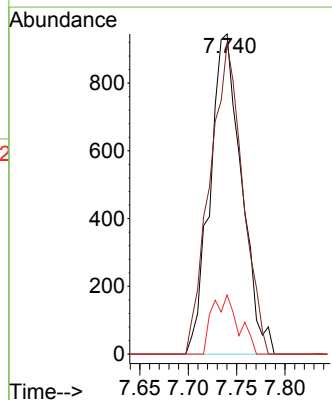
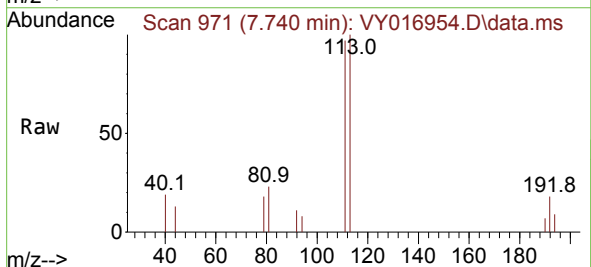
Tgt Ion:113 Resp: 2144

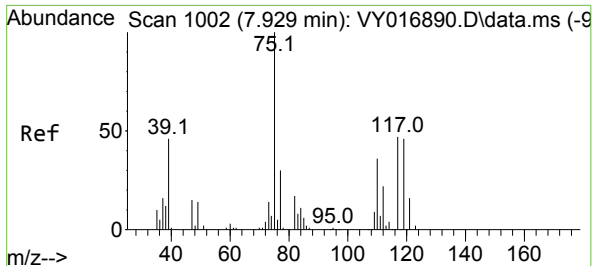
Ion Ratio Lower Upper

113 100

111 101.4 83.8 125.6

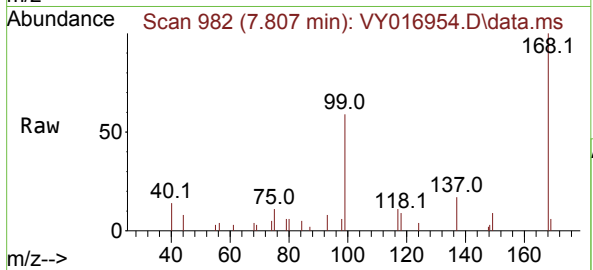
192 15.4 14.5 21.7



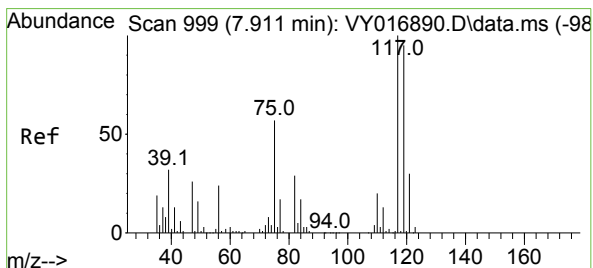
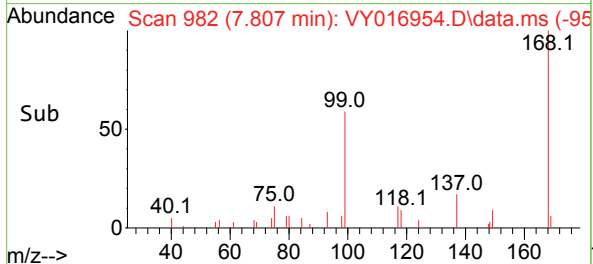
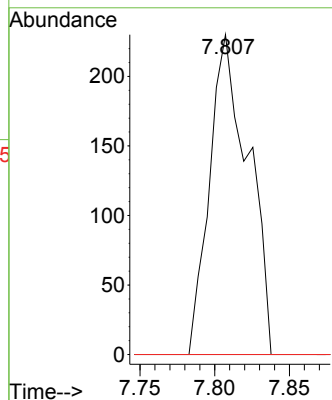


#36
1,1-Dichloropropene
Concen: 5.352 ug/l
RT: 7.807 min Scan# 912
Delta R.T. -0.122 min
Lab File: VY016954.D
Acq: 09 Jan 2024 17:21

Instrument :
MSVOA_Y
ClientSampleId :

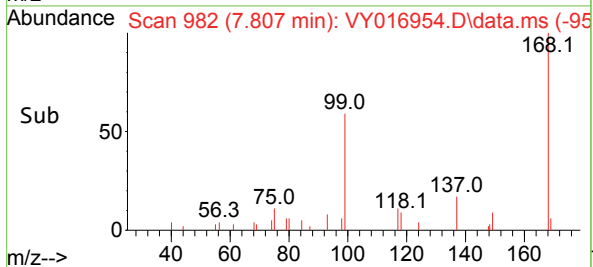
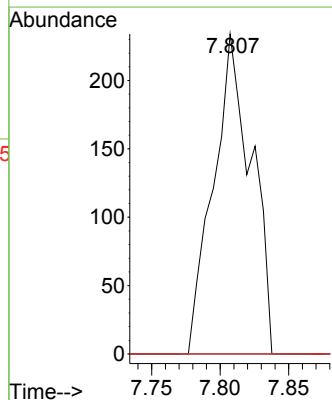
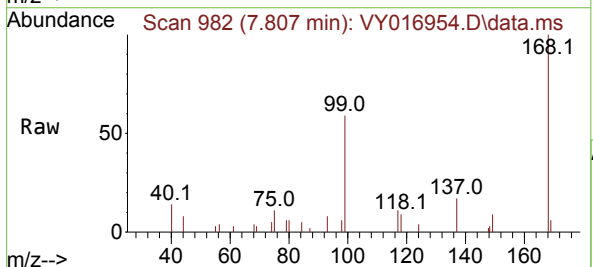


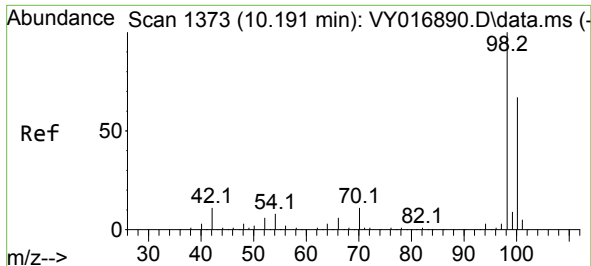
Tgt Ion: 75 Resp: 413
Ion Ratio Lower Upper
75 100
110 0.0 17.4 52.3#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.778 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.110 min
Lab File: VY016954.D
Acq: 09 Jan 2024 17:21

Tgt Ion: 117 Resp: 453
Ion Ratio Lower Upper
117 100
119 0.0 76.0 114.0#
121 0.0 24.2 36.2#

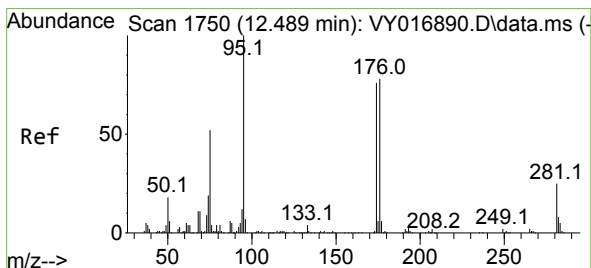
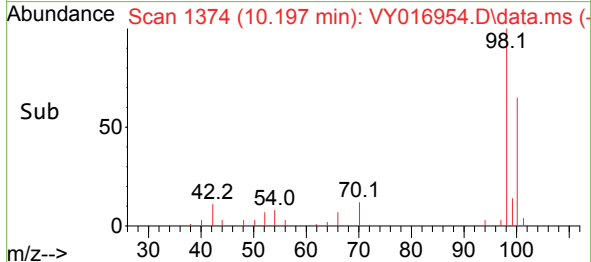
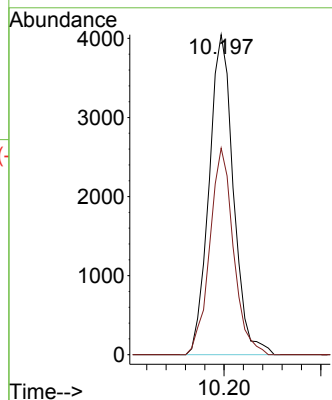
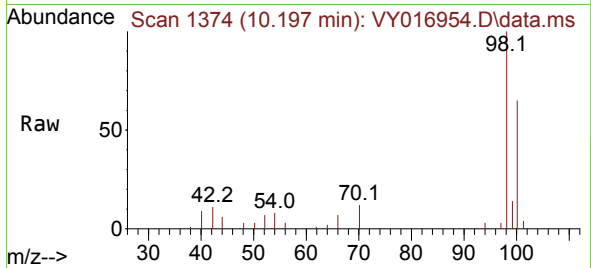




#50
Toluene-d8
Concen: 38.809 ug/l
RT: 10.197 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016954.D
Acq: 09 Jan 2024 17:21

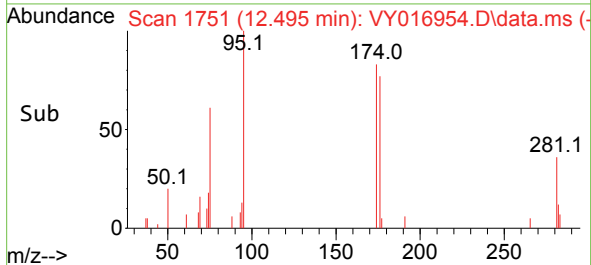
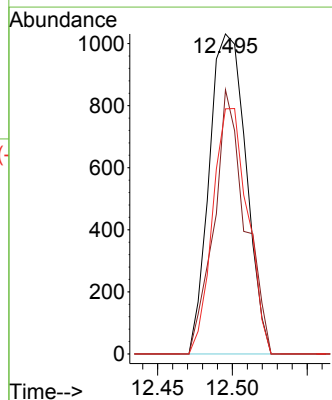
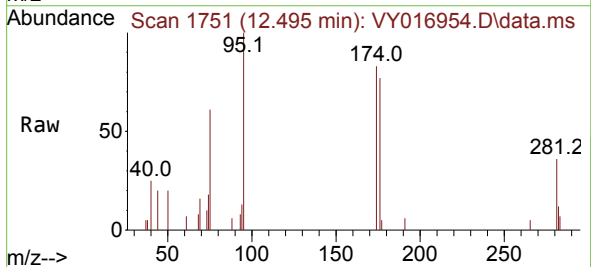
Instrument :
MSVOA_Y
ClientSampleId :

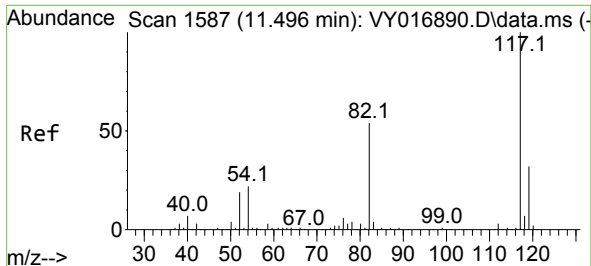
Tgt Ion: 98 Resp: 7076
Ion Ratio Lower Upper
98 100
100 62.9 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 28.643 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016954.D
Acq: 09 Jan 2024 17:21

Tgt Ion: 95 Resp: 1762
Ion Ratio Lower Upper
95 100
174 70.1 0.0 160.0
176 72.8 0.0 151.8

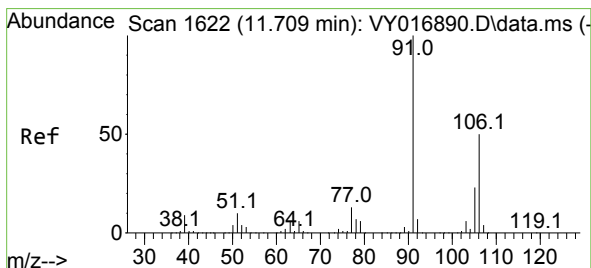
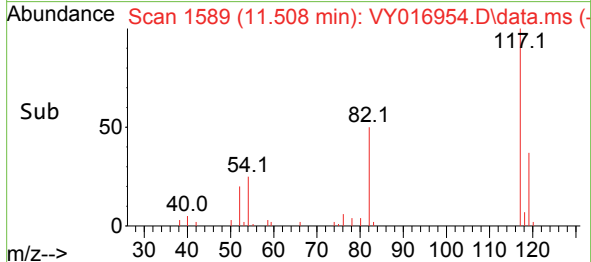
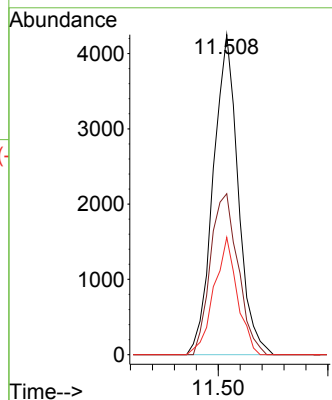
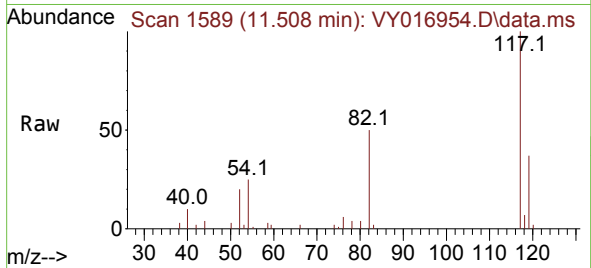




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016954.D
Acq: 09 Jan 2024 17:21

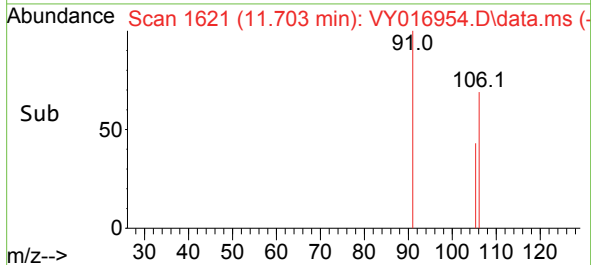
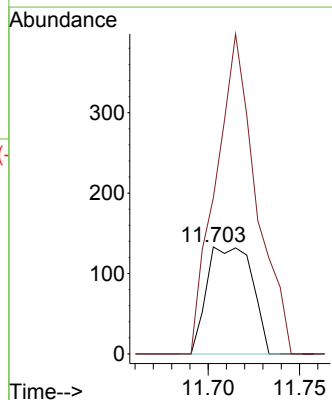
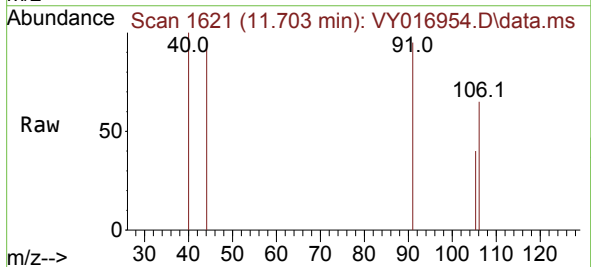
Instrument :
MSVOA_Y
ClientSampleId :

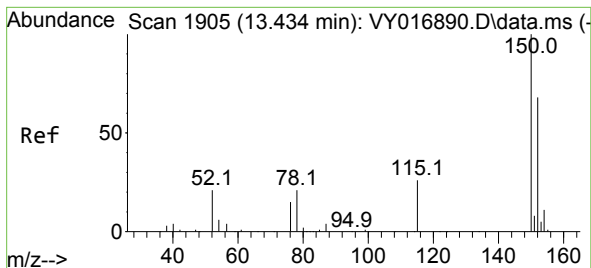
Tgt Ion:117 Resp: 6712
Ion Ratio Lower Upper
117 100
82 50.3 43.8 65.8
119 36.7 26.5 39.7



#68
m/p-Xylenes
Concen: 2.489 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY016954.D
Acq: 09 Jan 2024 17:21

Tgt Ion:106 Resp: 230
Ion Ratio Lower Upper
106 100
91 267.0 160.7 241.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY016954.D

Acq: 09 Jan 2024 17:21

Instrument :

MSVOA_Y

ClientSampleId :

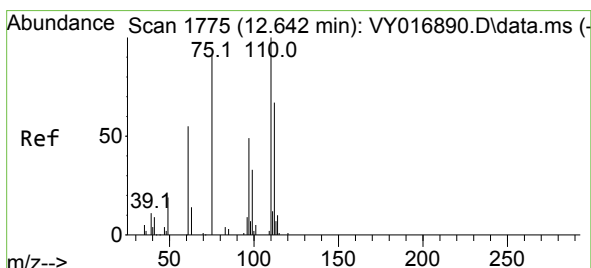
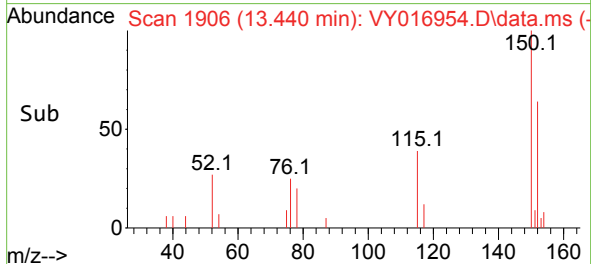
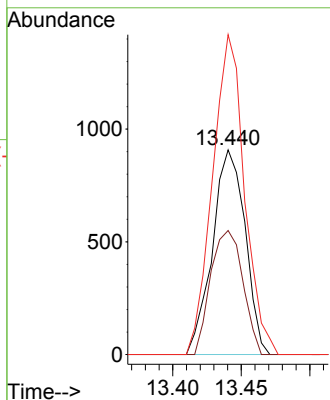
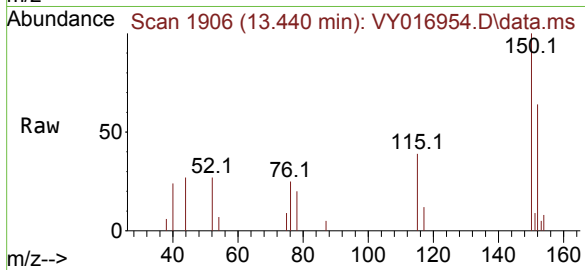
Tgt Ion:152 Resp: 1509

Ion Ratio Lower Upper

152 100

115 59.5 30.0 90.0

150 152.6 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 55.632 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.147 min

Lab File: VY016954.D

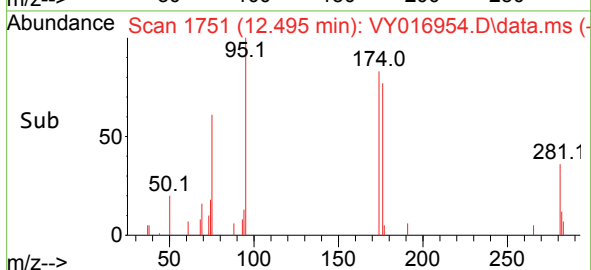
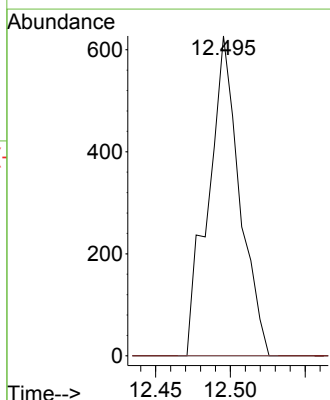
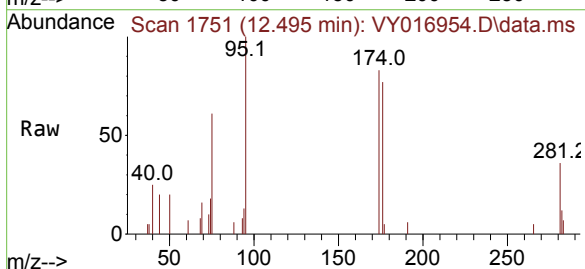
Acq: 09 Jan 2024 17:21

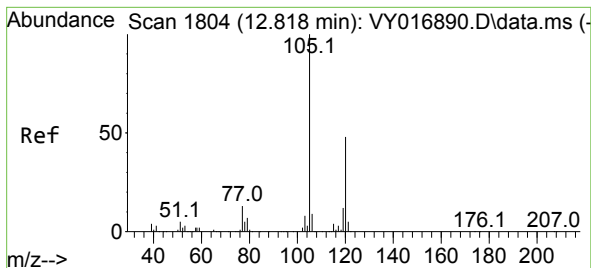
Tgt Ion: 75 Resp: 911

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#80

1,3,5-Trimethylbenzene

Concen: 4.628 ug/l

RT: 12.825 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY016954.D

Acq: 09 Jan 2024 17:21

Instrument :

MSVOA_Y

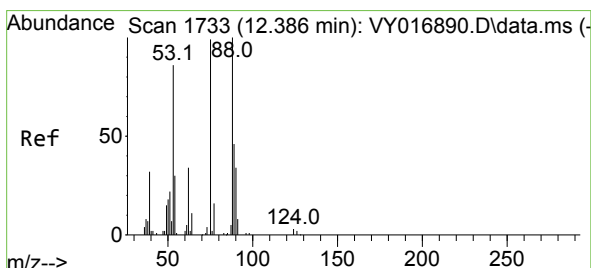
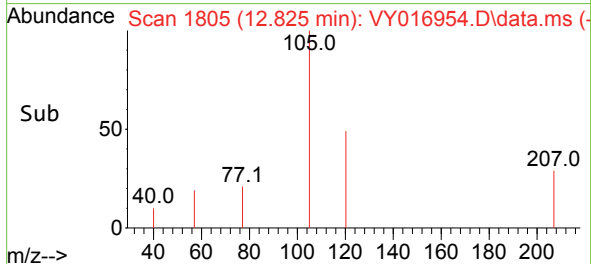
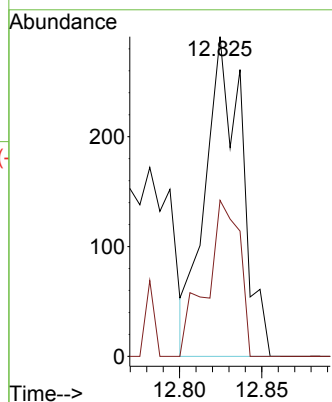
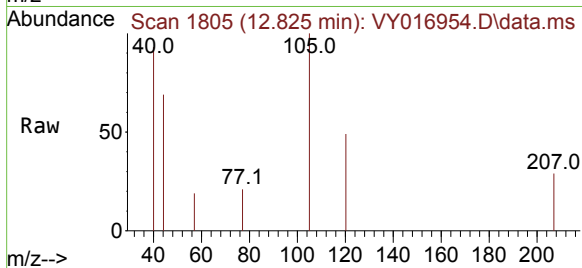
ClientSampleId :

Tgt Ion:105 Resp: 451

Ion Ratio Lower Upper

105 100

120 44.3 24.3 72.8



#81

trans-1,4-Dichloro-2-butene

Concen: 126.327 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.110 min

Lab File: VY016954.D

Acq: 09 Jan 2024 17:21

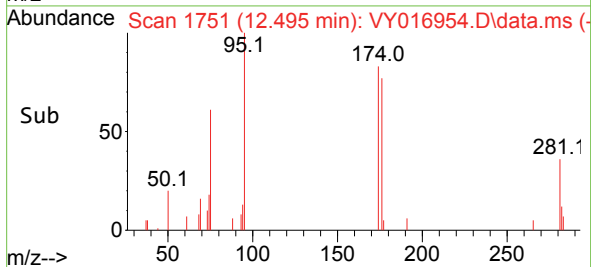
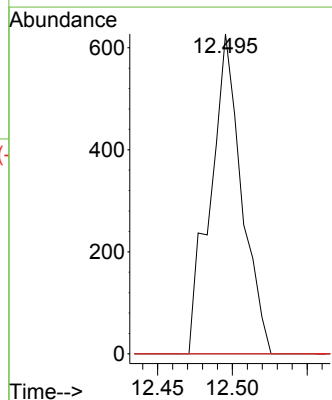
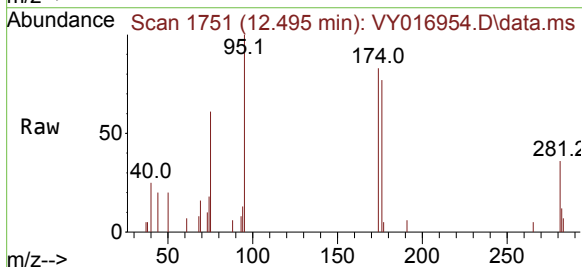
Tgt Ion: 75 Resp: 911

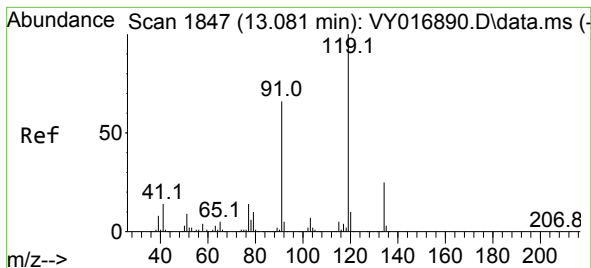
Ion Ratio Lower Upper

75 100

53 0.0 74.0 111.0#

89 0.0 36.5 54.7#

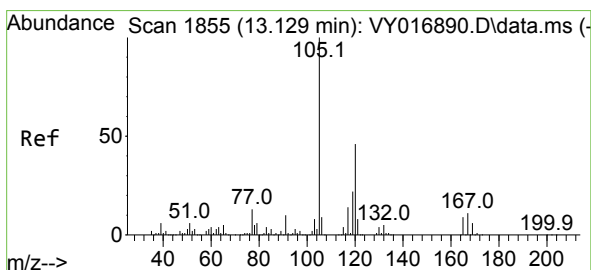
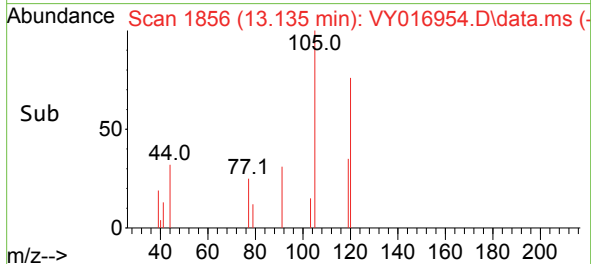
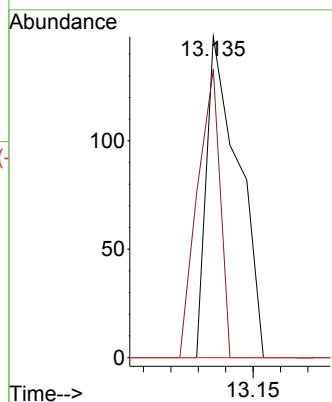
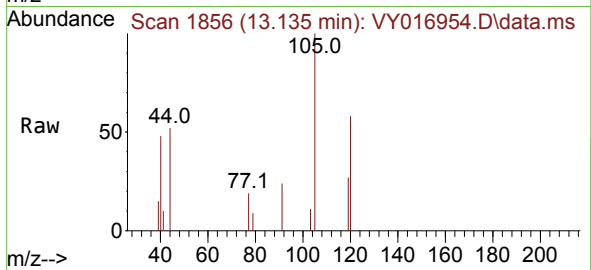




#83
tert-Butylbenzene
Concen: 1.398 ug/l
RT: 13.135 min Scan# 1856
Delta R.T. 0.048 min
Lab File: VY016954.D
Acq: 09 Jan 2024 17:21

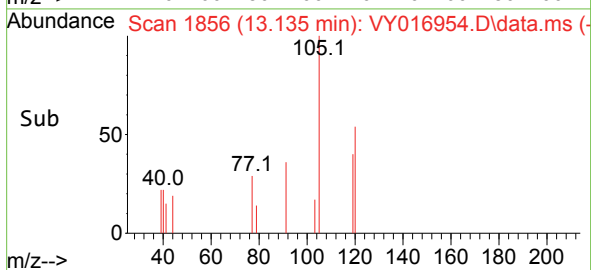
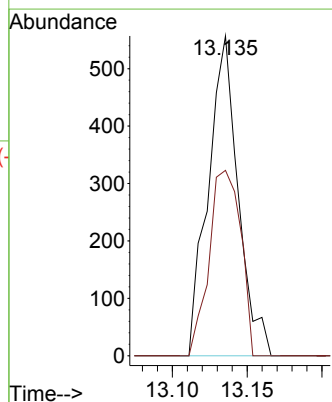
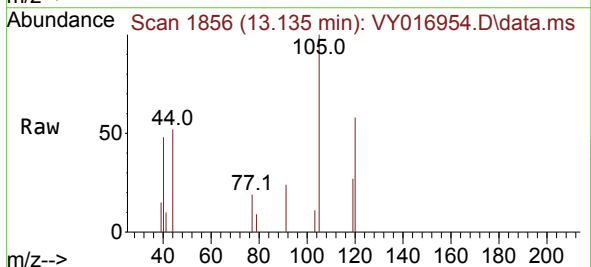
Instrument :
MSVOA_Y
ClientSampleId :

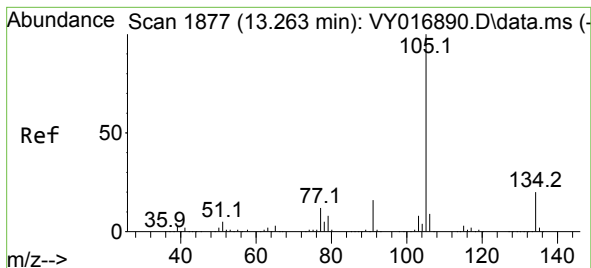
Tgt Ion:119 Resp: 120
Ion Ratio Lower Upper
119 100
91 63.3 31.5 94.5
134 0.0 13.1 39.3#



#84
1,2,4-Trimethylbenzene
Concen: 8.085 ug/l
RT: 13.135 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VY016954.D
Acq: 09 Jan 2024 17:21

Tgt Ion:105 Resp: 776
Ion Ratio Lower Upper
105 100
120 61.3 22.1 66.3





#85

sec-Butylbenzene

Concen: 6.101 ug/l

RT: 13.135 min Scan# 11

Delta R.T. -0.128 min

Lab File: VY016954.D

Acq: 09 Jan 2024 17:21

Instrument :

MSVOA_Y

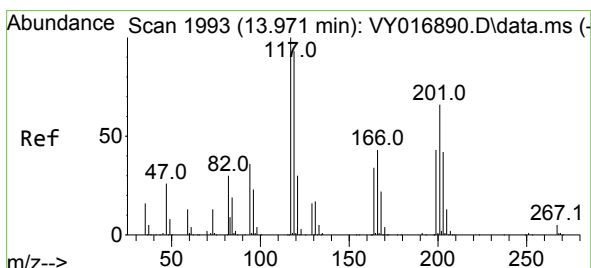
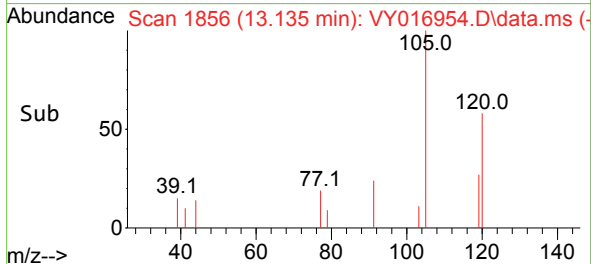
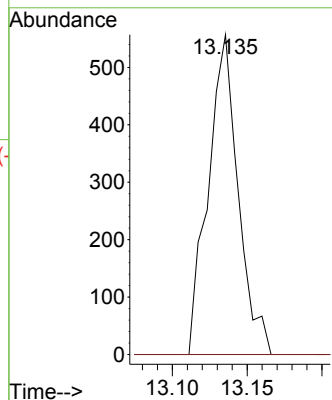
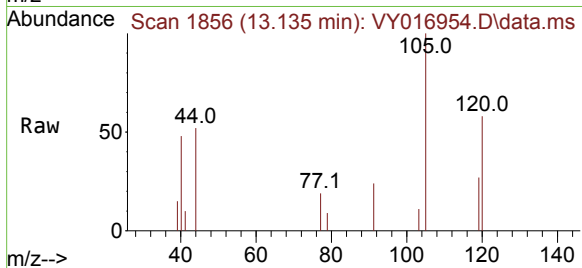
ClientSampleId :

Tgt Ion:105 Resp: 776

Ion Ratio Lower Upper

105 100

134 0.0 9.7 28.9#



#90

Hexachloroethane

Concen: 8.778 ug/l

RT: 14.099 min Scan# 2014

Delta R.T. 0.128 min

Lab File: VY016954.D

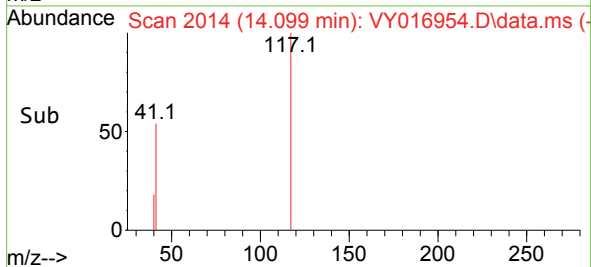
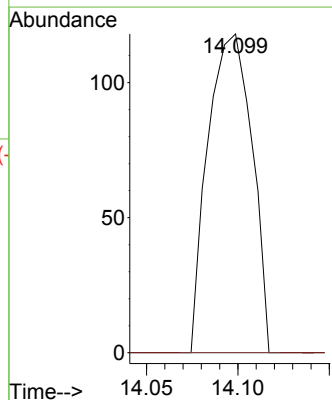
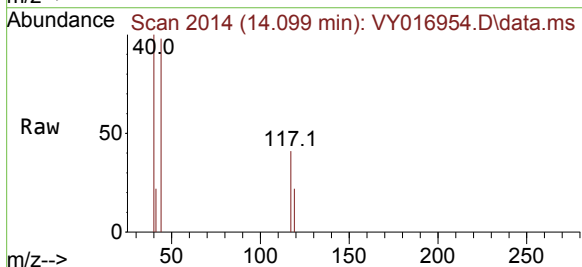
Acq: 09 Jan 2024 17:21

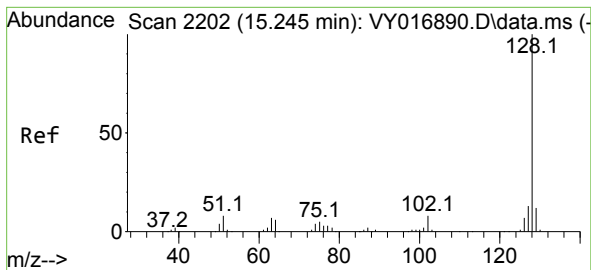
Tgt Ion:117 Resp: 198

Ion Ratio Lower Upper

117 100

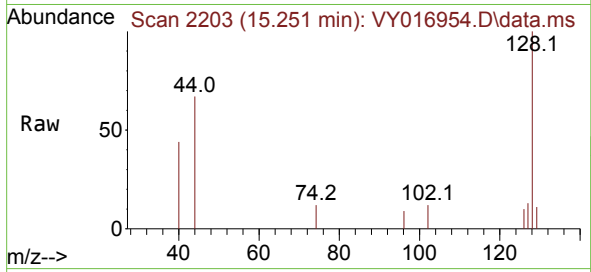
201 0.0 33.4 100.1#





#95
Naphthalene
Concen: 27.785 ug/l
RT: 15.251 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY016954.D
Acq: 09 Jan 2024 17:21

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 1089
Ion Ratio Lower Upper
128 100
127 9.9 10.2 15.4#
129 6.2 8.6 12.8#

