

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010924\
 Data File : VY016951.D
 Acq On : 09 Jan 2024 16:11
 Operator : SY/MD
 Sample : P1067-03
 Misc : 3.61g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 10 02:28:33 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)

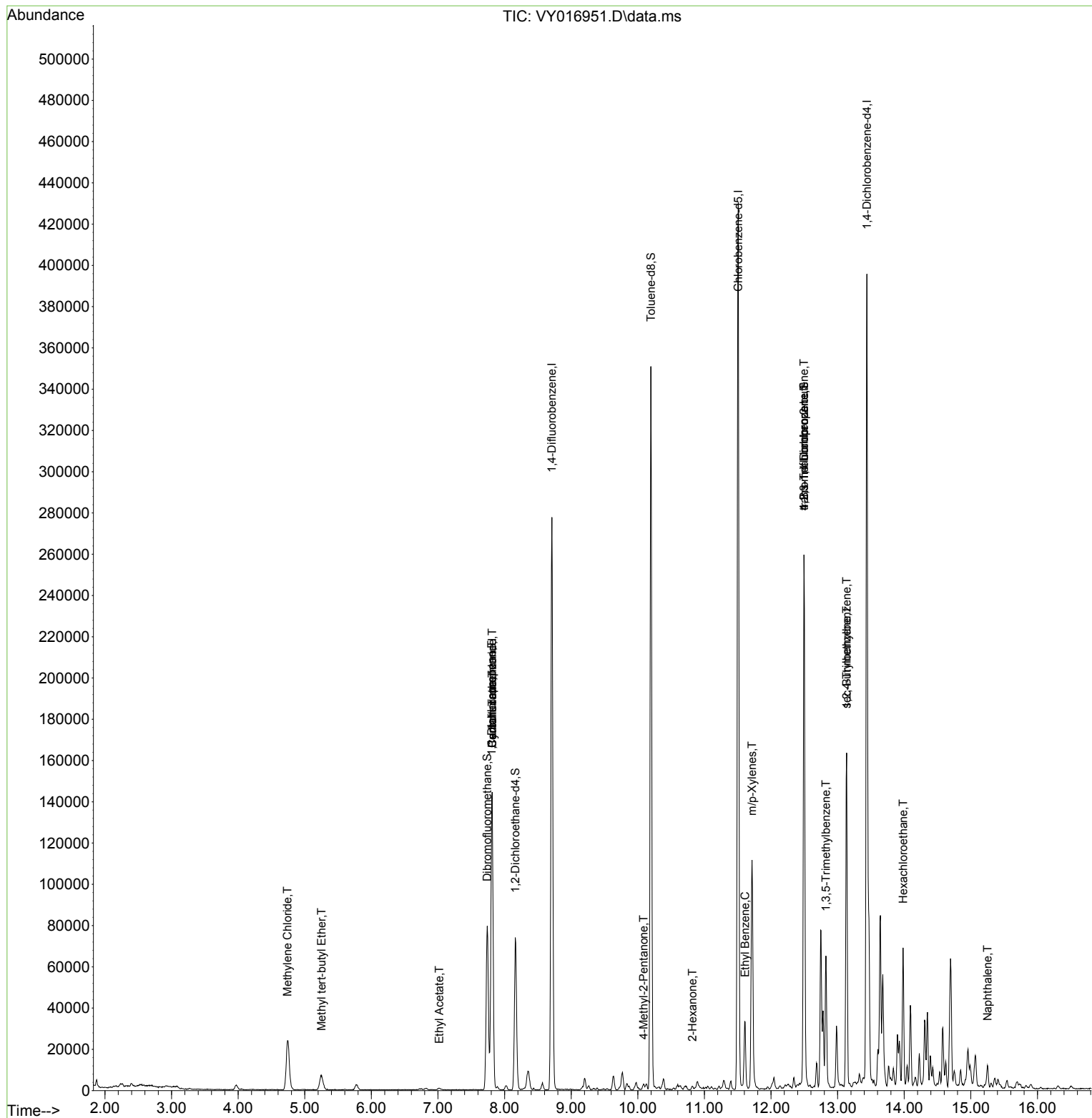
Internal Standards						
1) Pentafluorobenzene	7.813	168	110685	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.710	114	237844	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	235529	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	96953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	53709	49.096	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.200%
35) Dibromofluoromethane	7.740	113	58637	38.688	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	77.380%
50) Toluene-d8	10.197	98	217328	41.641	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	83.280%
62) 4-Bromofluorobenzene	12.495	95	75065	42.630	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.260%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.991	59	389	Below Cal	#	75
16) Acetone	3.973	43	4374	Below Cal		94
19) Methyl tert-butyl Ether	5.253	73	11117	4.053	ug/l	91
20) Methylene Chloride	4.741	84	18872	7.076	ug/l	95
25) 2-Butanone	7.021	43	1204	Below Cal	#	89
31) Cyclohexane	7.813	56	3525	1.877	ug/l #	14
36) 1,1-Dichloropropene	7.807	75	9219	4.174	ug/l #	48
37) Ethyl Acetate	7.021	43	1204	1.199	ug/l #	69
38) Carbon Tetrachloride	7.813	117	11437	5.096	ug/l #	16
51) 4-Methyl-2-Pentanone	10.087	43	2238	2.189	ug/l	93
59) 2-Hexanone	10.819	43	1145	1.521	ug/l #	23
67) Ethyl Benzene	11.611	91	22085	2.500	ug/l	99
68) m/p-Xylenes	11.715	106	34196	10.547	ug/l	100
76) 1,2,3-Trichloropropane	12.495	75	38186	36.294	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.825	105	28730	4.588	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.495	75	38186	82.416	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.136	105	86399	14.011	ug/l	99
85) sec-Butylbenzene	13.136	105	86399	10.573	ug/l #	57
90) Hexachloroethane	13.983	117	3006	2.074	ug/l #	17
95) Naphthalene	15.251	128	8691	4.111	ug/l	97

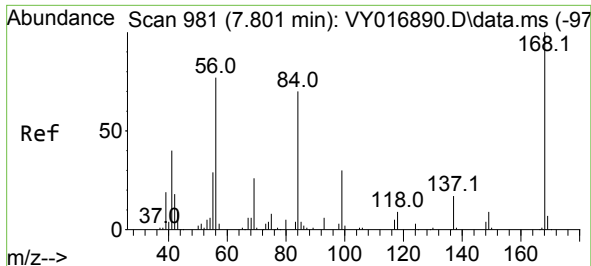
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 10 02:28:33 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

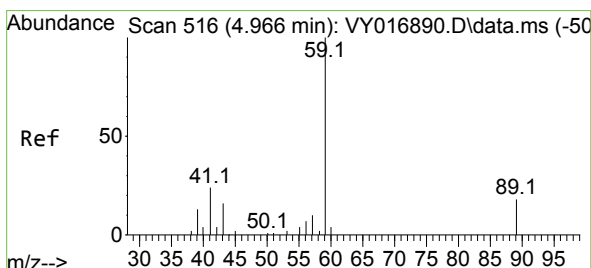
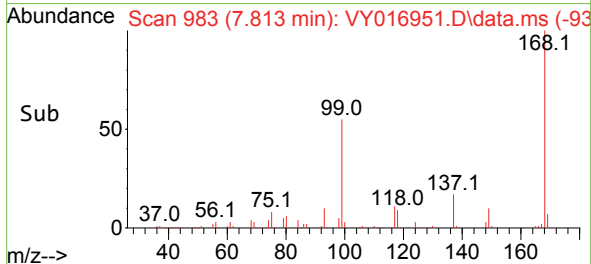
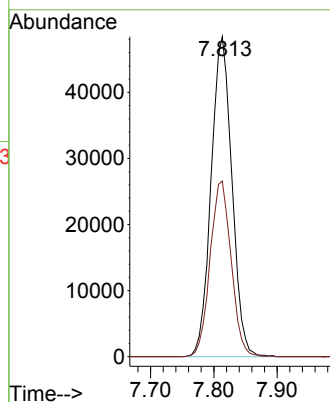
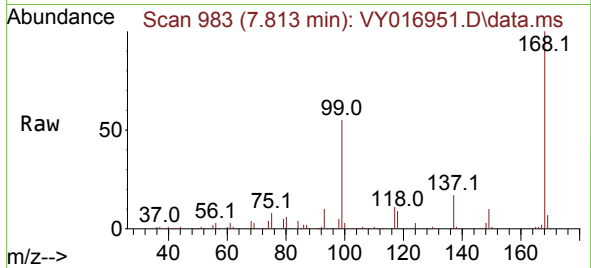




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016951.D
Acq: 09 Jan 2024 16:11

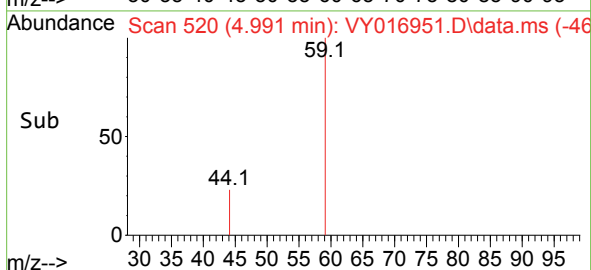
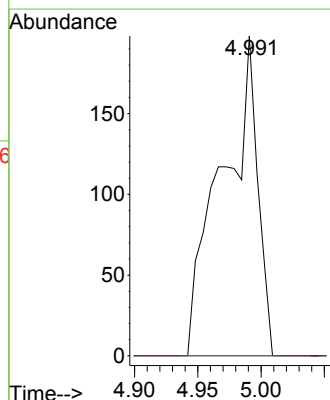
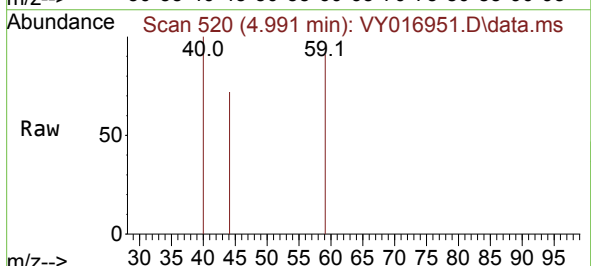
Instrument :
MSVOA_Y
ClientSampleId :

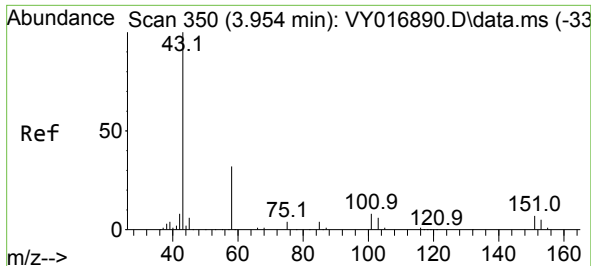
Tgt Ion:168 Resp: 110685
Ion Ratio Lower Upper
168 100
99 54.9 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.991 min Scan# 520
Delta R.T. 0.025 min
Lab File: VY016951.D
Acq: 09 Jan 2024 16:11

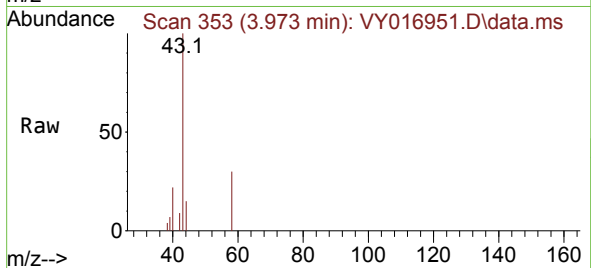
Tgt Ion: 59 Resp: 389
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



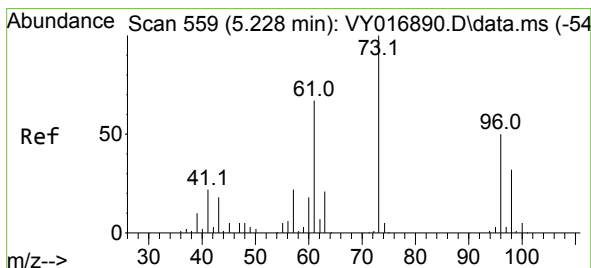
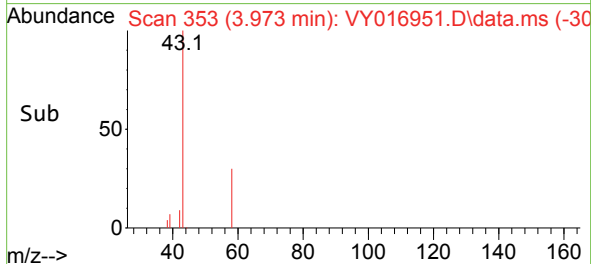
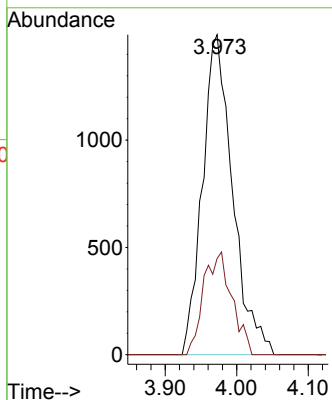


#16
Acetone
Concen: Below Cal
RT: 3.973 min Scan# 31
Delta R.T. 0.013 min
Lab File: VY016951.D
Acq: 09 Jan 2024 16:11

Instrument :
MSVOA_Y
ClientSampleId :

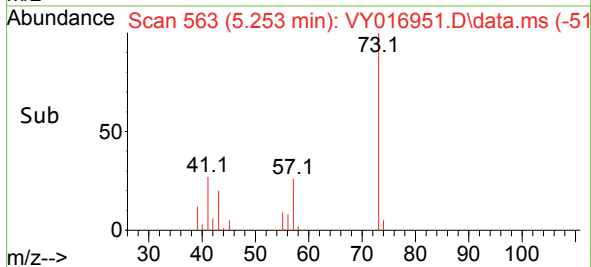
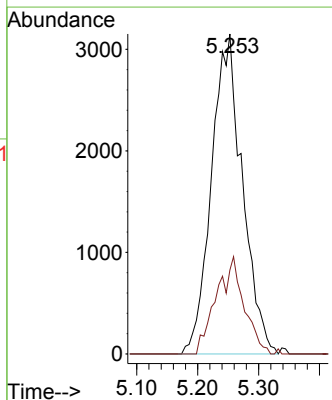
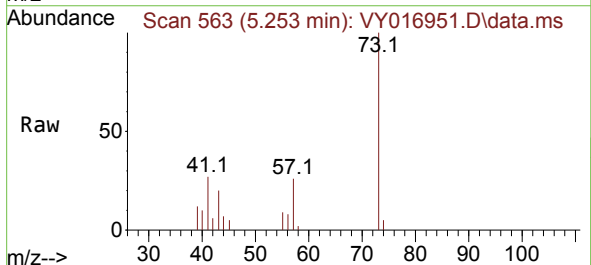


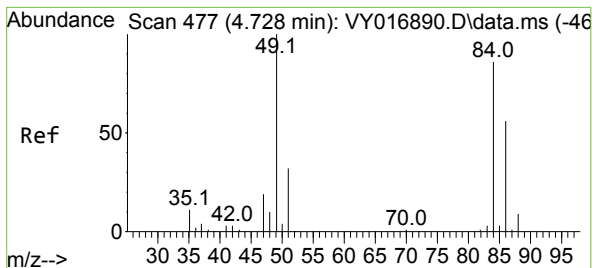
Tgt Ion: 43 Resp: 4374
Ion Ratio Lower Upper
43 100
58 30.0 26.6 39.8



#19
Methyl tert-butyl Ether
Concen: 4.053 ug/l
RT: 5.253 min Scan# 563
Delta R.T. 0.019 min
Lab File: VY016951.D
Acq: 09 Jan 2024 16:11

Tgt Ion: 73 Resp: 11117
Ion Ratio Lower Upper
73 100
57 26.2 17.7 26.5





#20

Methylene Chloride

Concen: 7.076 ug/l

RT: 4.741 min Scan# 41

Delta R.T. 0.007 min

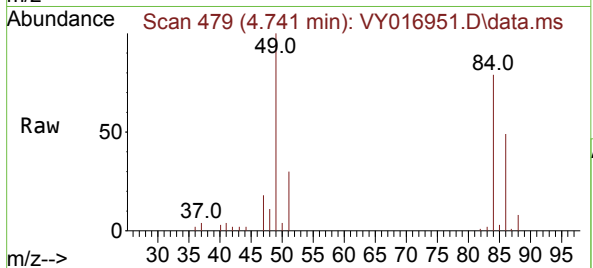
Lab File: VY016951.D

Acq: 09 Jan 2024 16:11

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 18872

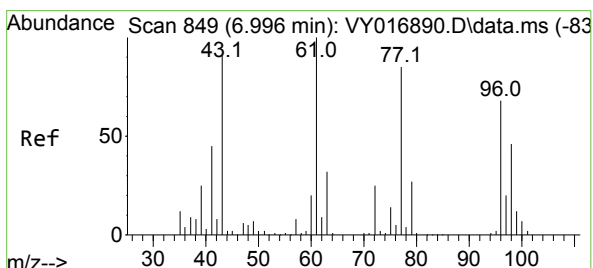
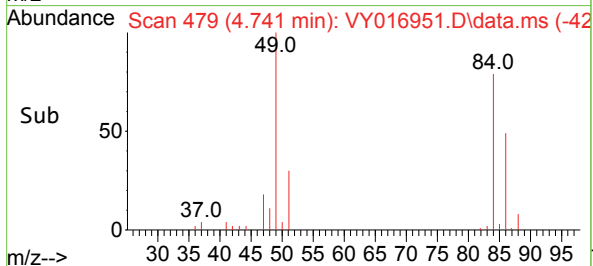
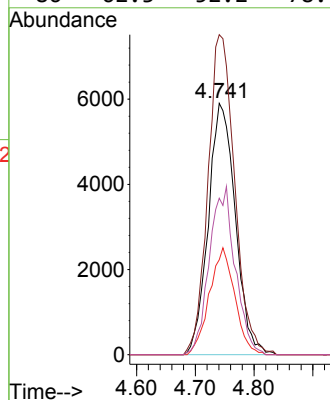
Ion Ratio Lower Upper

84 100

49 127.3 95.2 142.8

51 37.7 29.9 44.9

86 62.3 52.2 78.4



#25

2-Butanone

Concen: Below Cal

RT: 7.021 min Scan# 853

Delta R.T. 0.025 min

Lab File: VY016951.D

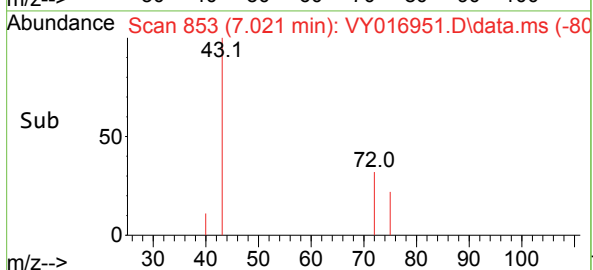
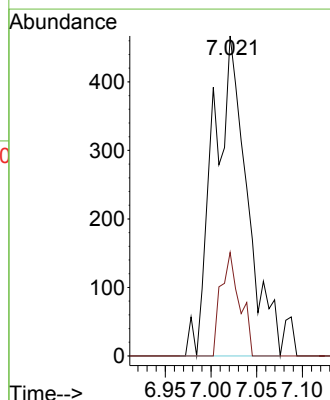
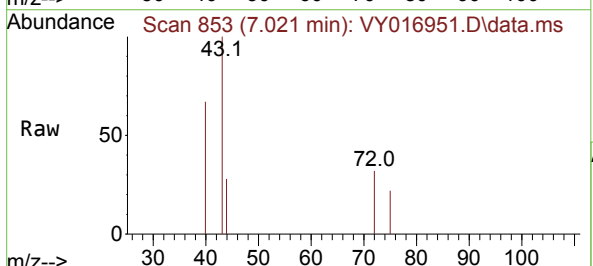
Acq: 09 Jan 2024 16:11

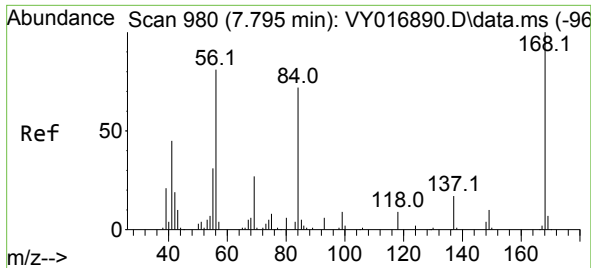
Tgt Ion: 43 Resp: 1204

Ion Ratio Lower Upper

43 100

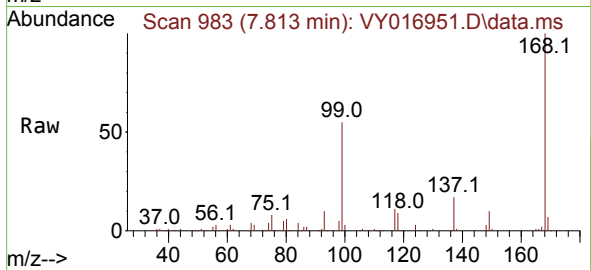
72 32.3 21.4 32.2#



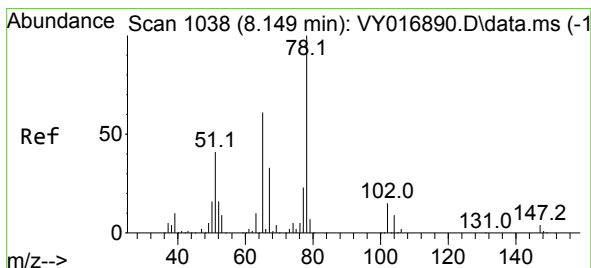
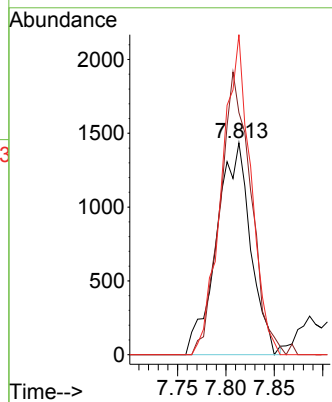
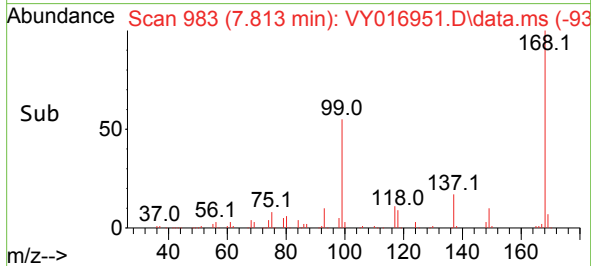


#31
Cyclohexane
Concen: 1.877 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016951.D
Acq: 09 Jan 2024 16:11

Instrument :
MSVOA_Y
ClientSampleId :

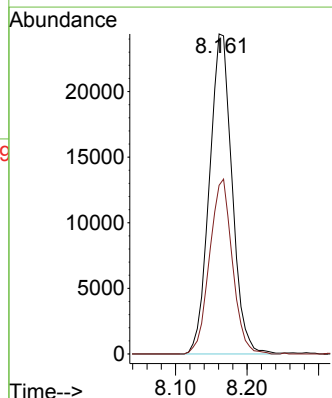
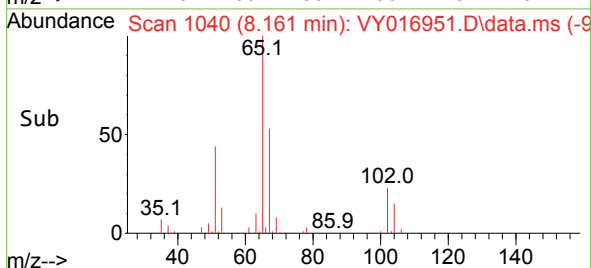
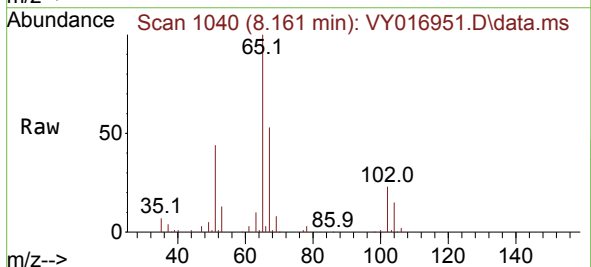


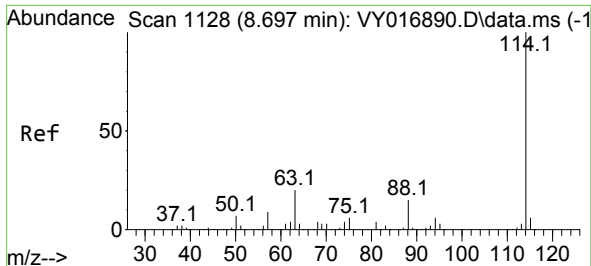
Tgt Ion: 56 Resp: 3525
Ion Ratio Lower Upper
56 100
69 114.3 27.0 40.6#
84 151.1 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 49.096 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY016951.D
Acq: 09 Jan 2024 16:11

Tgt Ion: 65 Resp: 53709
Ion Ratio Lower Upper
65 100
67 55.0 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.710 min Scan# 1128

Delta R.T. 0.007 min

Lab File: VY016951.D

Acq: 09 Jan 2024 16:11

Instrument :

MSVOA_Y

ClientSampleId :

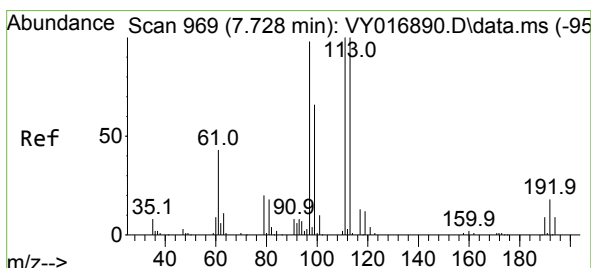
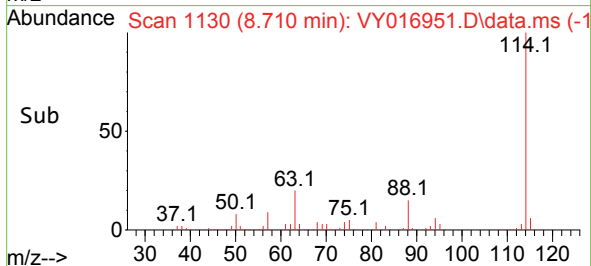
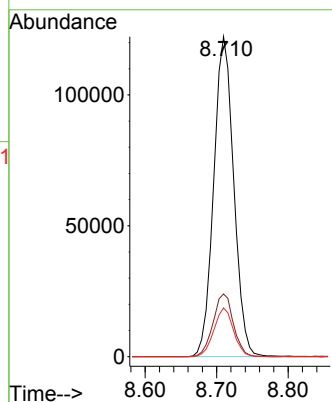
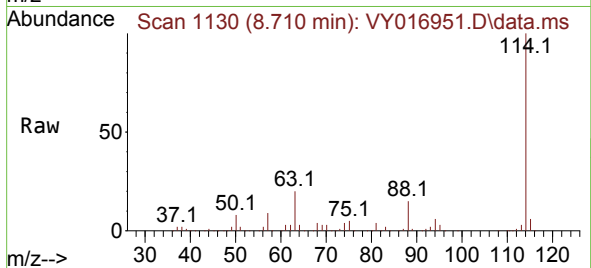
Tgt Ion:114 Resp: 237844

Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.4

88 15.3 0.0 29.0



#35

Dibromofluoromethane

Concen: 38.688 ug/l

RT: 7.740 min Scan# 971

Delta R.T. 0.012 min

Lab File: VY016951.D

Acq: 09 Jan 2024 16:11

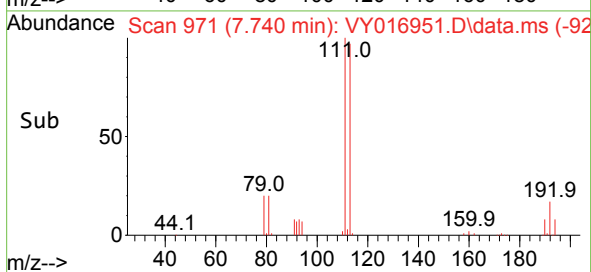
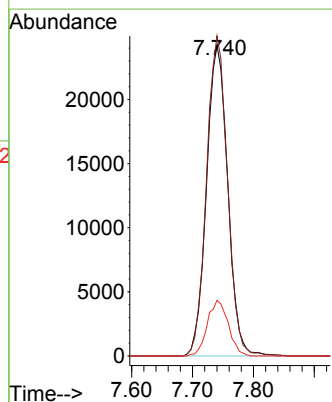
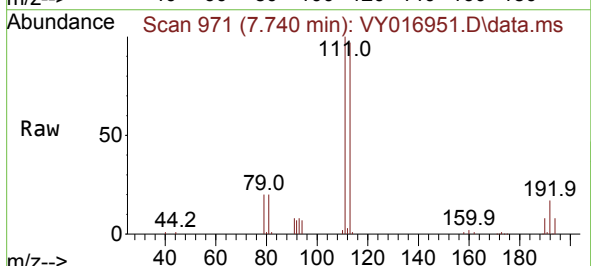
Tgt Ion:113 Resp: 58637

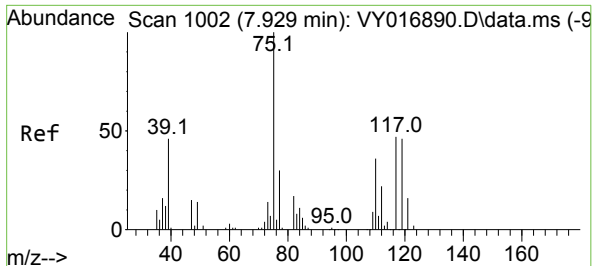
Ion Ratio Lower Upper

113 100

111 101.8 83.8 125.6

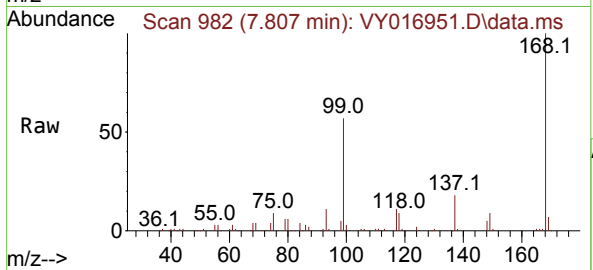
192 17.7 14.5 21.7



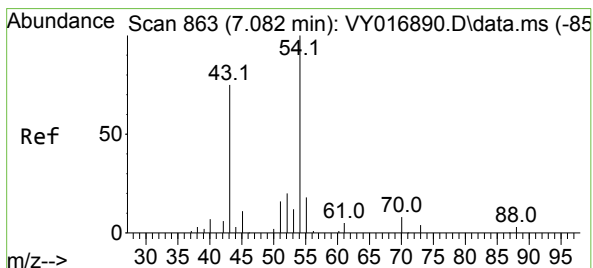
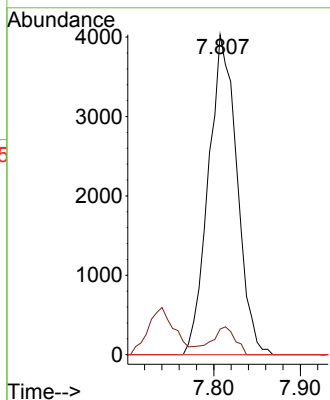
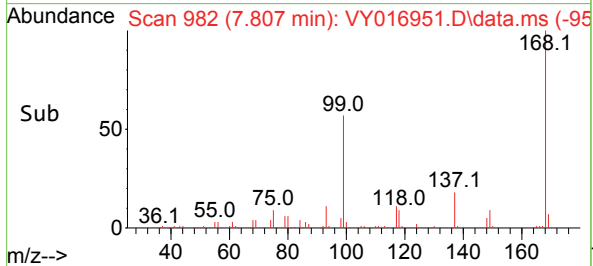


#36
1,1-Dichloropropene
Concen: 4.174 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY016951.D
Acq: 09 Jan 2024 16:11

Instrument :
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ClientSampleId :

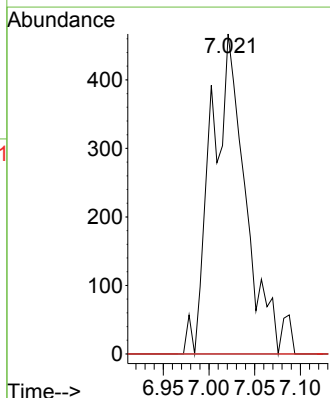
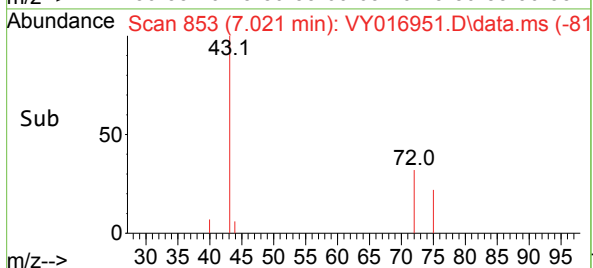
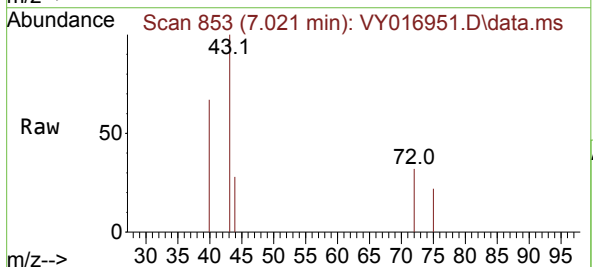


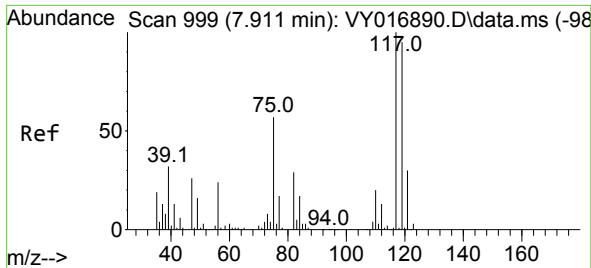
Tgt Ion: 75 Resp: 9219
Ion Ratio Lower Upper
75 100
110 7.3 17.4 52.3#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.199 ug/l
RT: 7.021 min Scan# 853
Delta R.T. -0.067 min
Lab File: VY016951.D
Acq: 09 Jan 2024 16:11

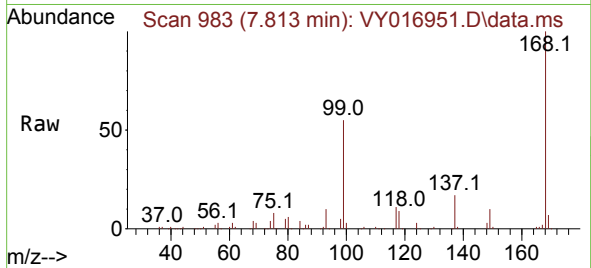
Tgt Ion: 43 Resp: 1204
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.6#
70 0.0 8.1 12.1#



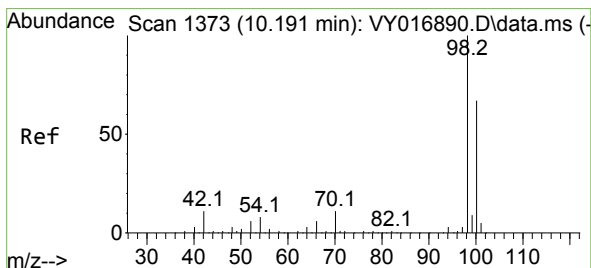
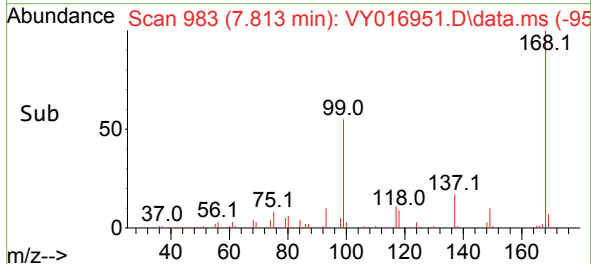
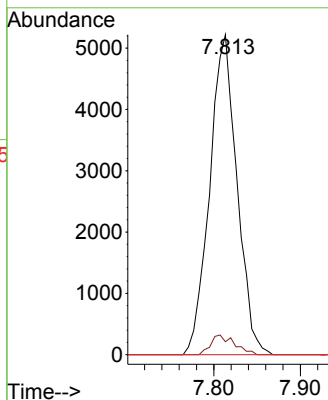


#38
Carbon Tetrachloride
Concen: 5.096 ug/l
RT: 7.813 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY016951.D
Acq: 09 Jan 2024 16:11

Instrument :
MSVOA_Y
ClientSampleId :

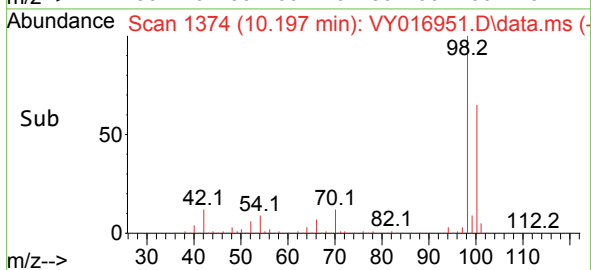
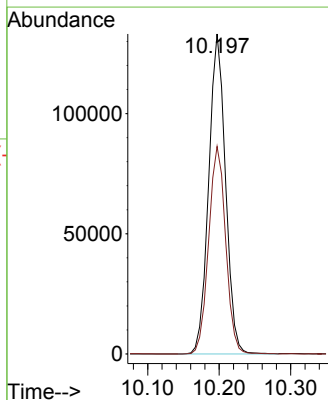
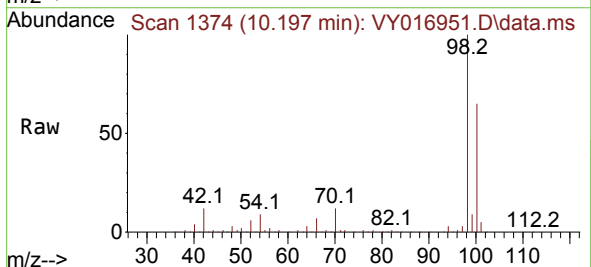


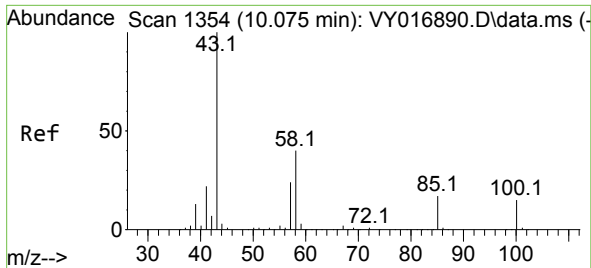
Tgt Ion:117 Resp: 11437
Ion Ratio Lower Upper
117 100
119 4.0 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 41.641 ug/l
RT: 10.197 min Scan# 1374
Delta R.T. 0.006 min
Lab File: VY016951.D
Acq: 09 Jan 2024 16:11

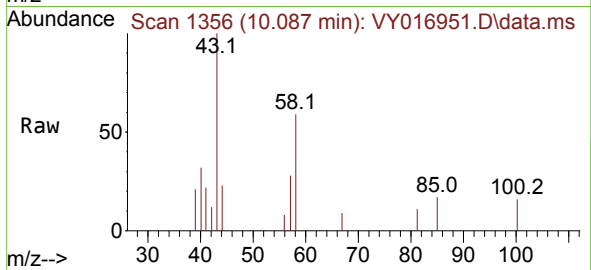
Tgt Ion: 98 Resp: 217328
Ion Ratio Lower Upper
98 100
100 65.6 52.3 78.5



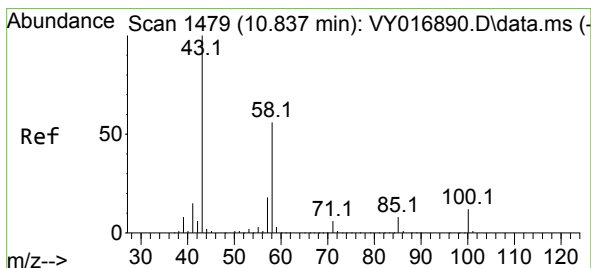
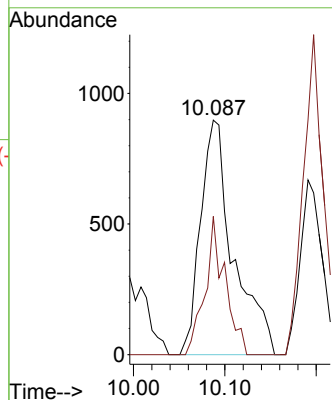
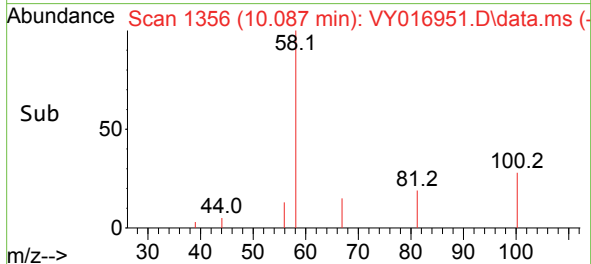


#51
4-Methyl-2-Pentanone
Concen: 2.189 ug/l
RT: 10.087 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016951.D
Acq: 09 Jan 2024 16:11

Instrument :
MSVOA_Y
ClientSampleId :

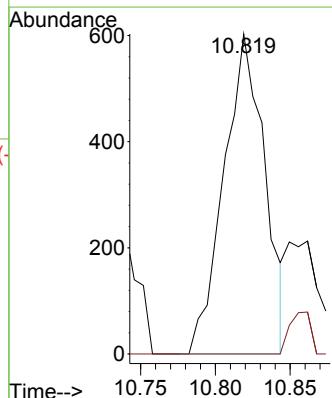
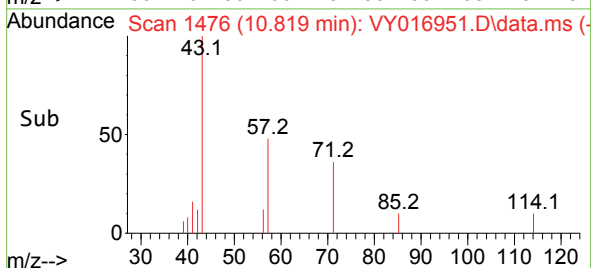
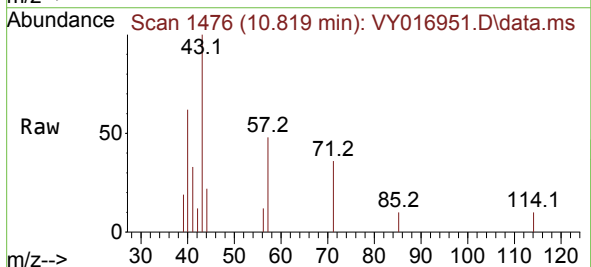


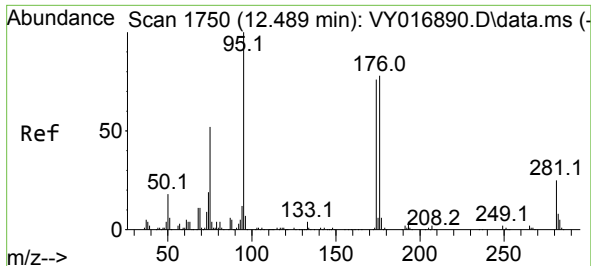
Tgt Ion: 43 Resp: 2238
Ion Ratio Lower Upper
43 100
58 35.8 32.2 48.2



#59
2-Hexanone
Concen: 1.521 ug/l
RT: 10.819 min Scan# 1476
Delta R.T. -0.024 min
Lab File: VY016951.D
Acq: 09 Jan 2024 16:11

Tgt Ion: 43 Resp: 1145
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#

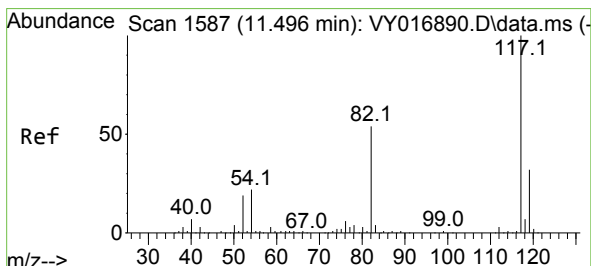
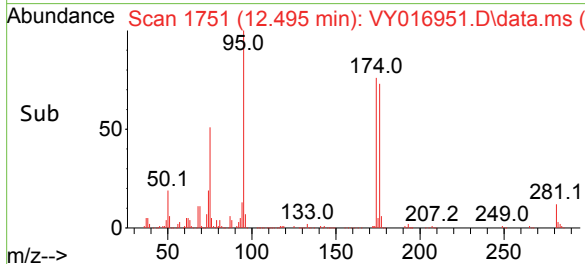
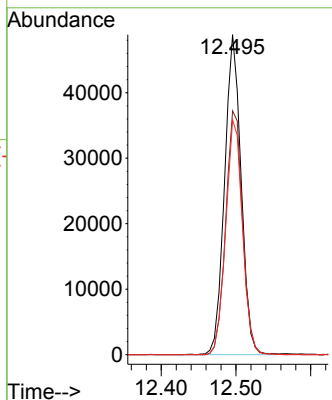
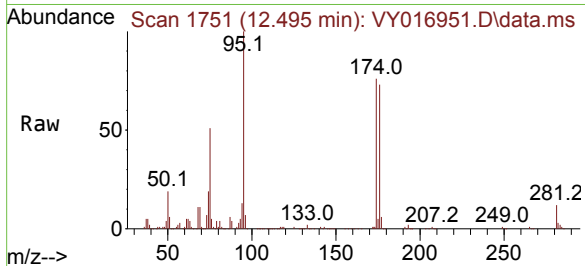




#62
4-Bromofluorobenzene
Concen: 42.630 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016951.D
Acq: 09 Jan 2024 16:11

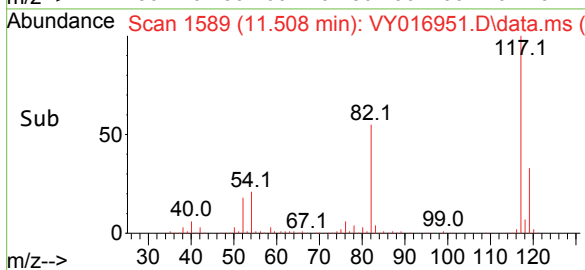
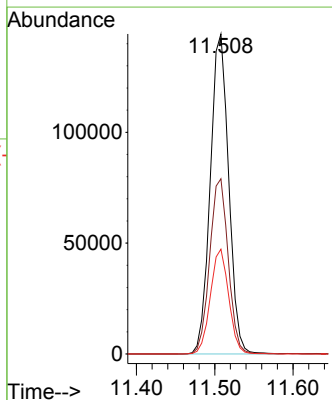
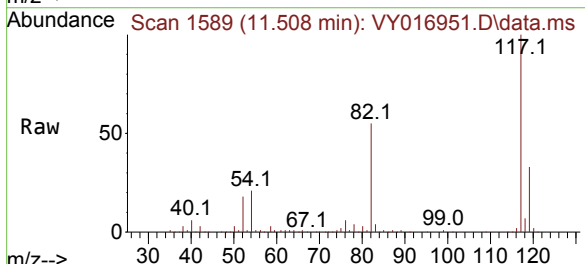
Instrument :
MSVOA_Y
ClientSampleId :

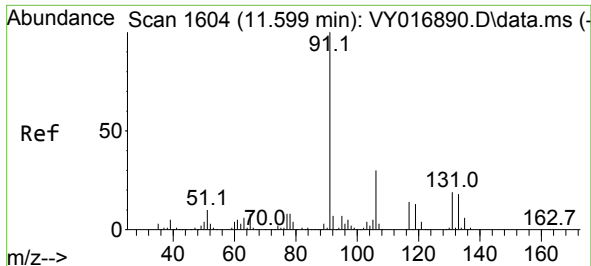
Tgt Ion: 95 Resp: 75065
Ion Ratio Lower Upper
95 100
174 78.3 0.0 160.0
176 74.4 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 1589
Delta R.T. 0.006 min
Lab File: VY016951.D
Acq: 09 Jan 2024 16:11

Tgt Ion: 117 Resp: 235529
Ion Ratio Lower Upper
117 100
82 54.7 43.8 65.8
119 32.7 26.5 39.7





#67

Ethyl Benzene

Concen: 2.500 ug/l

RT: 11.611 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY016951.D

Acq: 09 Jan 2024 16:11

Instrument :

MSVOA_Y

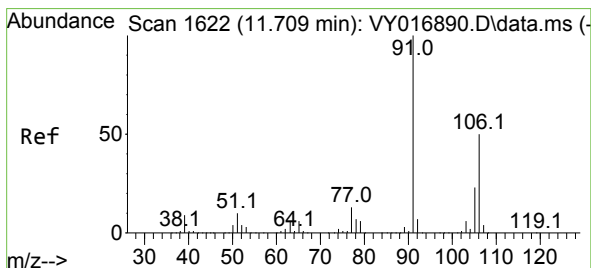
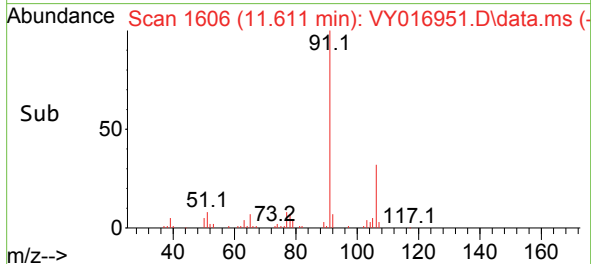
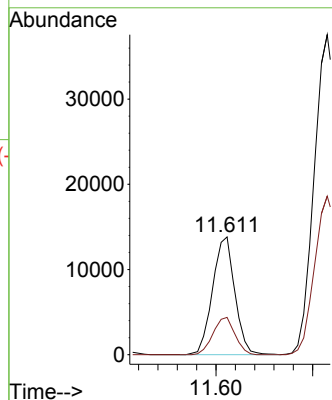
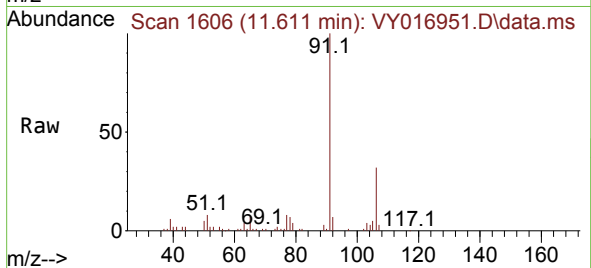
ClientSampleId :

Tgt Ion: 91 Resp: 22085

Ion Ratio Lower Upper

91 100

106 31.6 25.0 37.4



#68

m/p-Xylenes

Concen: 10.547 ug/l

RT: 11.715 min Scan# 1623

Delta R.T. 0.006 min

Lab File: VY016951.D

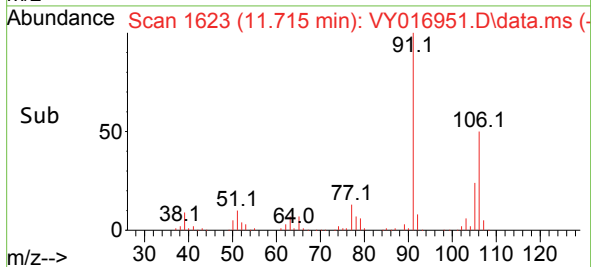
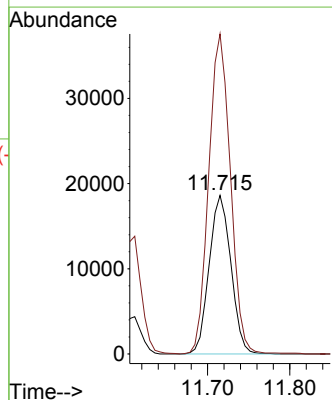
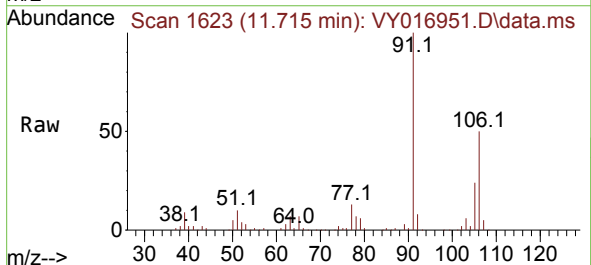
Acq: 09 Jan 2024 16:11

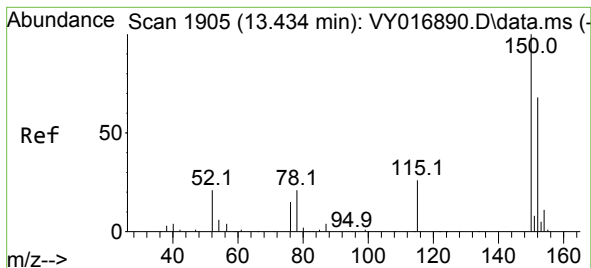
Tgt Ion:106 Resp: 34196

Ion Ratio Lower Upper

106 100

91 201.5 160.7 241.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1905

Delta R.T. 0.006 min

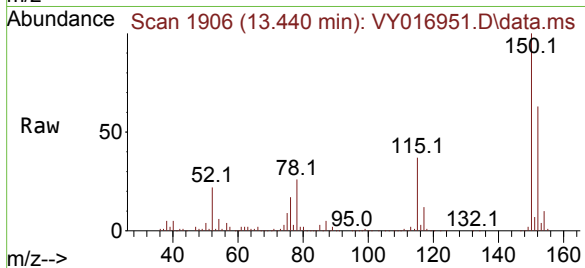
Lab File: VY016951.D

Acq: 09 Jan 2024 16:11

Instrument :

MSVOA_Y

ClientSampleId :



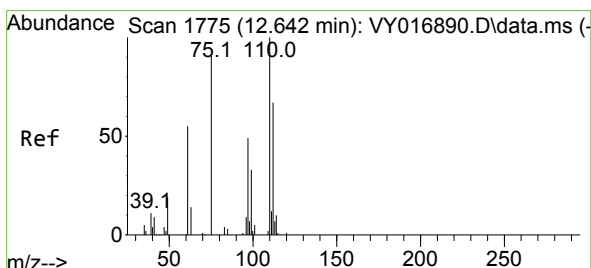
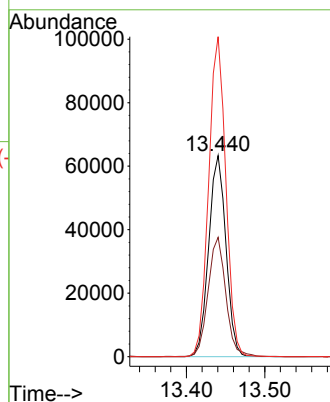
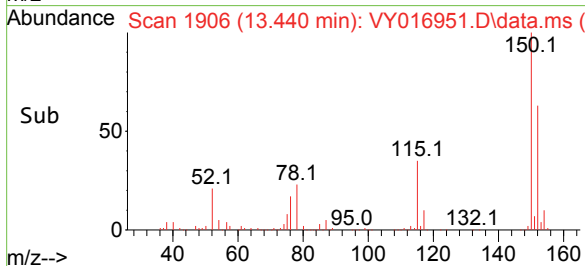
Tgt Ion:152 Resp: 96953

Ion Ratio Lower Upper

152 100

115 60.7 30.0 90.0

150 157.8 0.0 344.6



#76

1,2,3-Trichloropropane

Concen: 36.294 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.147 min

Lab File: VY016951.D

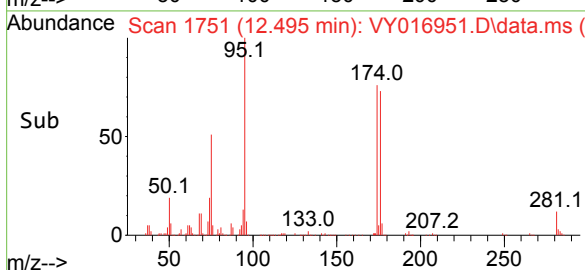
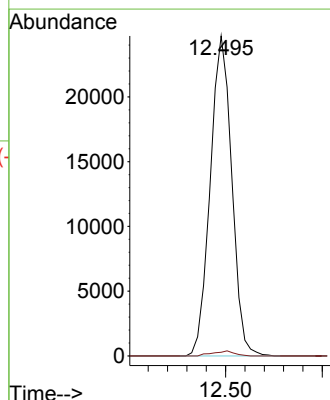
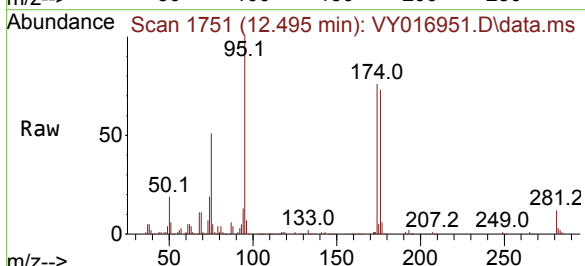
Acq: 09 Jan 2024 16:11

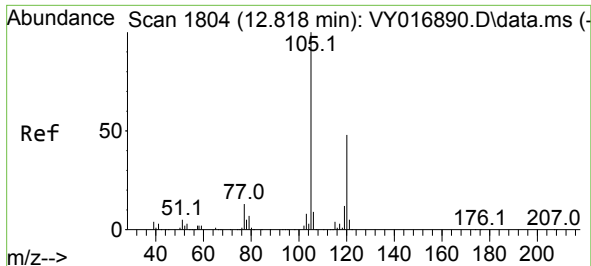
Tgt Ion: 75 Resp: 38186

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#

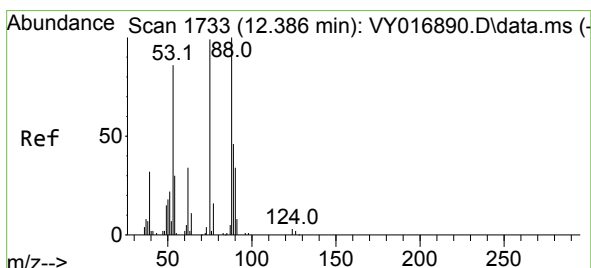
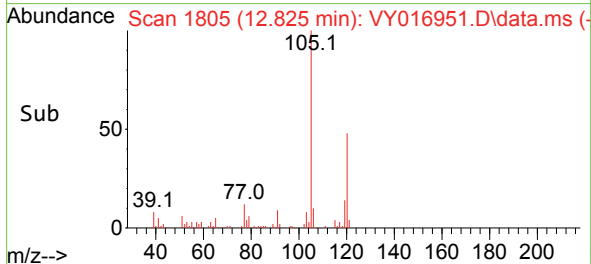
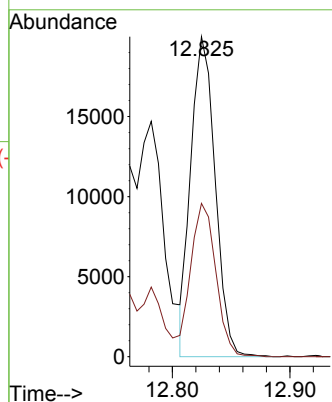
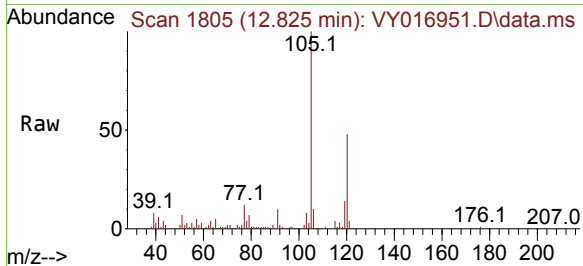




#80
 1,3,5-Trimethylbenzene
 Concen: 4.588 ug/l
 RT: 12.825 min Scan# 1751
 Delta R.T. 0.007 min
 Lab File: VY016951.D
 Acq: 09 Jan 2024 16:11

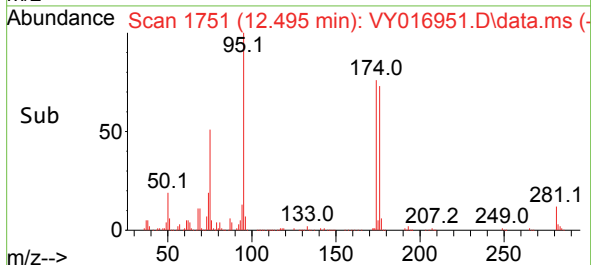
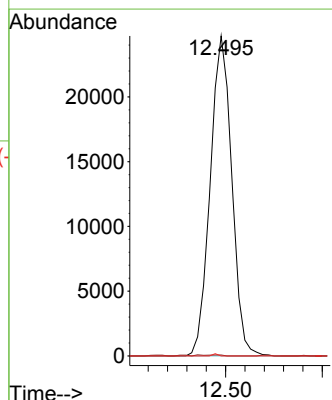
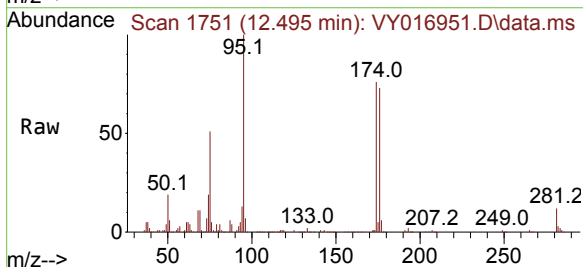
Instrument :
 MSVOA_Y
 ClientSampleId :

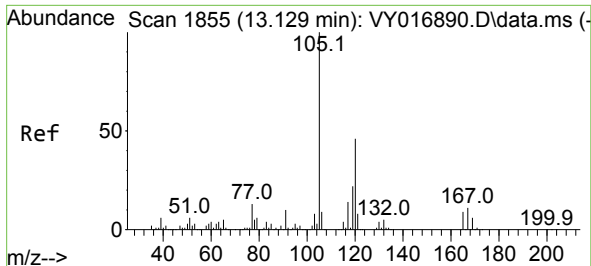
Tgt Ion:105 Resp: 28730
 Ion Ratio Lower Upper
 105 100
 120 50.5 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.416 ug/l
 RT: 12.495 min Scan# 1751
 Delta R.T. 0.110 min
 Lab File: VY016951.D
 Acq: 09 Jan 2024 16:11

Tgt Ion: 75 Resp: 38186
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.2 36.5 54.7#

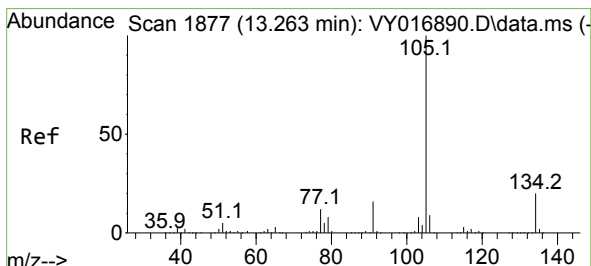
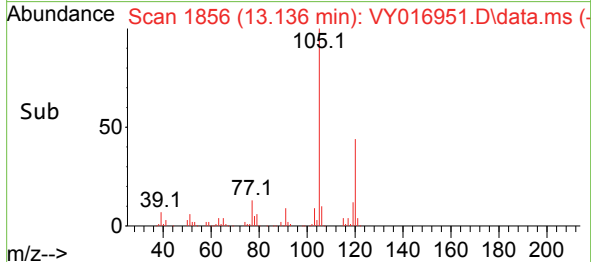
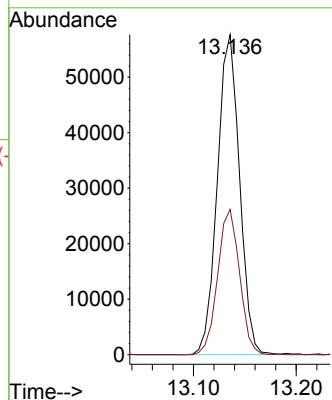
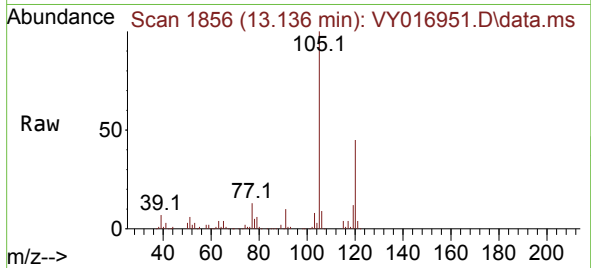




#84
1,2,4-Trimethylbenzene
Concen: 14.011 ug/l
RT: 13.136 min Scan# 1856
Delta R.T. 0.007 min
Lab File: VY016951.D
Acq: 09 Jan 2024 16:11

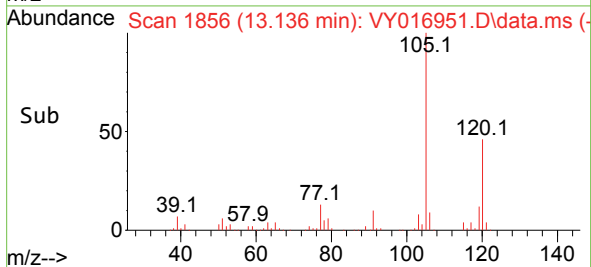
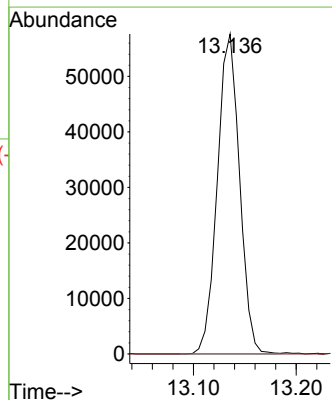
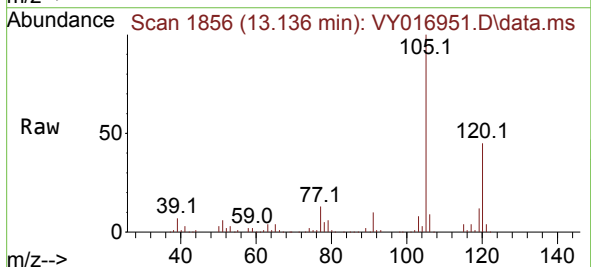
Instrument :
MSVOA_Y
ClientSampleId :

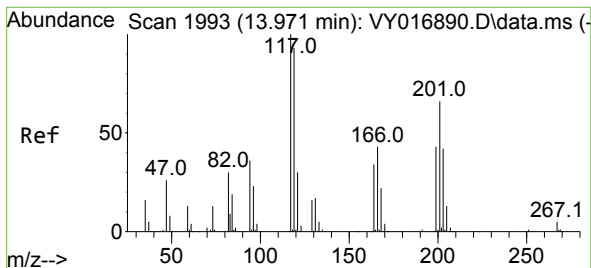
Tgt Ion:105 Resp: 86399
Ion Ratio Lower Upper
105 100
120 44.8 22.1 66.3



#85
sec-Butylbenzene
Concen: 10.573 ug/l
RT: 13.136 min Scan# 1856
Delta R.T. -0.127 min
Lab File: VY016951.D
Acq: 09 Jan 2024 16:11

Tgt Ion:105 Resp: 86399
Ion Ratio Lower Upper
105 100
134 0.0 9.7 28.9#

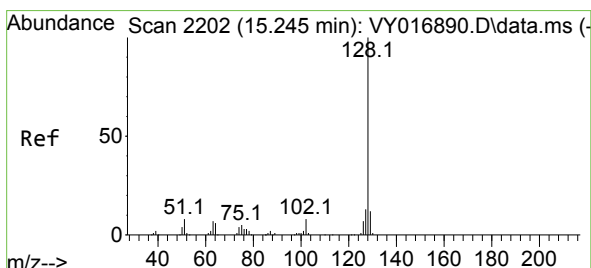
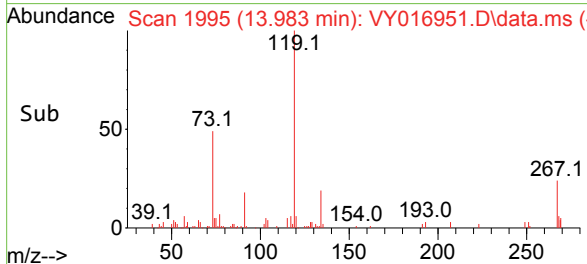
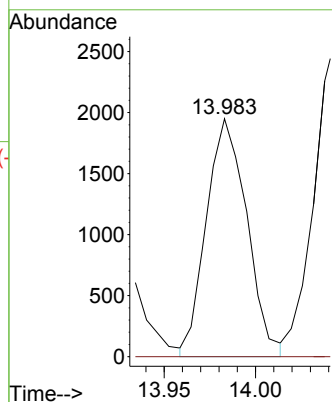
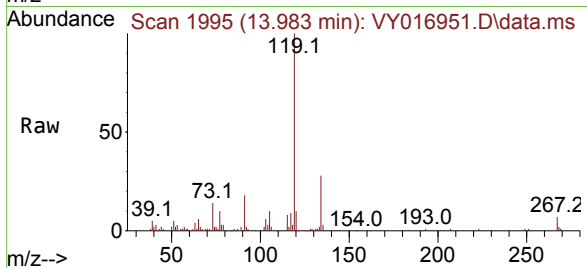




#90
Hexachloroethane
Concen: 2.074 ug/l
RT: 13.983 min Scan# 1995
Delta R.T. 0.012 min
Lab File: VY016951.D
Acq: 09 Jan 2024 16:11

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:117 Resp: 3006
Ion Ratio Lower Upper
117 100
201 0.0 33.4 100.1#



#95
Naphthalene
Concen: 4.111 ug/l
RT: 15.251 min Scan# 2203
Delta R.T. 0.006 min
Lab File: VY016951.D
Acq: 09 Jan 2024 16:11

Tgt Ion:128 Resp: 8691
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 12.3 8.6 12.8

