

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
 Data File : VY020538.D
 Acq On : 06 Dec 2024 15:54
 Operator : SY/MD
 Sample : P5136-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 07 03:26:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 01:39:23 2024
 Response via : Initial Calibration

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

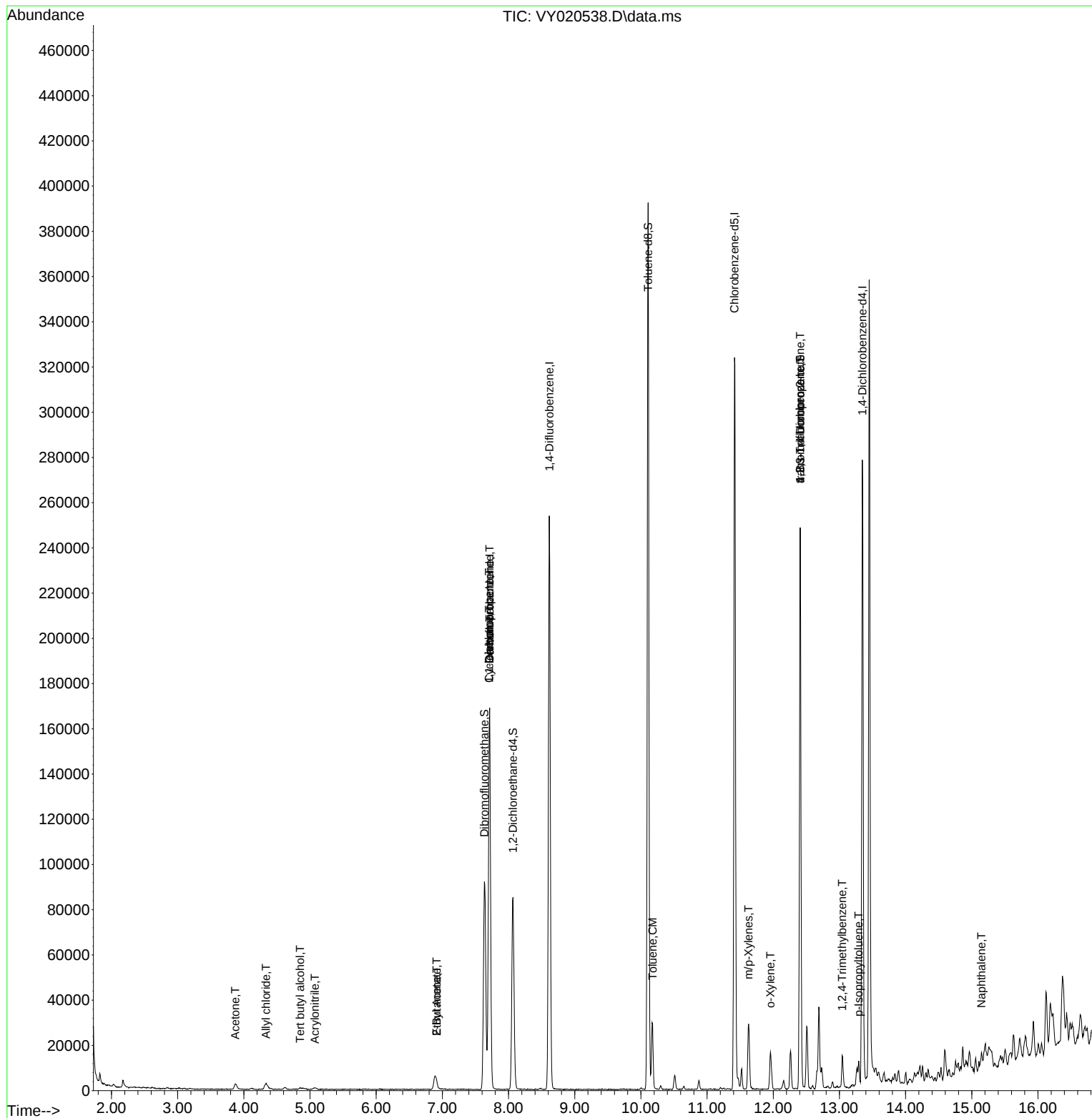
Internal Standards						
1) Pentafluorobenzene	7.713	168	123695	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	210048	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	172575	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	67191	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	68764	54.661	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.320%	
35) Dibromofluoromethane	7.634	113	66154	50.028	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.060%	
50) Toluene-d8	10.109	98	249592	49.569	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.140%	
62) 4-Bromofluorobenzene	12.408	95	73698	41.848	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 83.700%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.848	59	1623	19.888	ug/l #	73
14) Allyl chloride	4.336	41	4979	2.174	ug/l #	38
15) Acrylonitrile	5.074	53	990	3.595	ug/l #	82
16) Acetone	3.873	43	4822	15.416	ug/l	92
25) 2-Butanone	6.915	43	1175	2.975	ug/l #	76
31) Cyclohexane	7.707	56	2774	1.119	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	10282	4.604	ug/l #	52
37) Ethyl Acetate	6.915	43	1175	1.328	ug/l #	68
38) Carbon Tetrachloride	7.713	117	13504	5.067	ug/l #	15
52) Toluene	10.176	92	11957	2.911	ug/l	97
68) m/p-Xylenes	11.627	106	8728	2.940	ug/l	99
69) o-Xylene	11.957	106	3401	1.223	ug/l	96
76) 1,2,3-Trichloropropane	12.408	75	40385	59.002	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	40385	121.064	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.042	105	7728	1.526	ug/l	98
86) p-Isopropyltoluene	13.292	119	5789	1.038	ug/l #	79
95) Naphthalene	15.145	128	5429	2.710	ug/l #	92

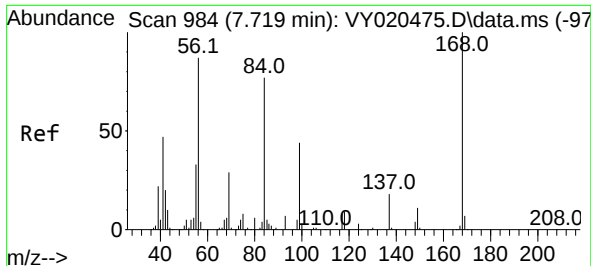
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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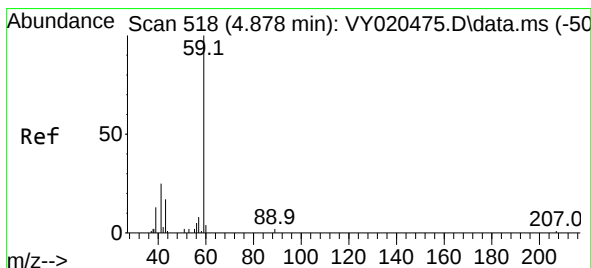
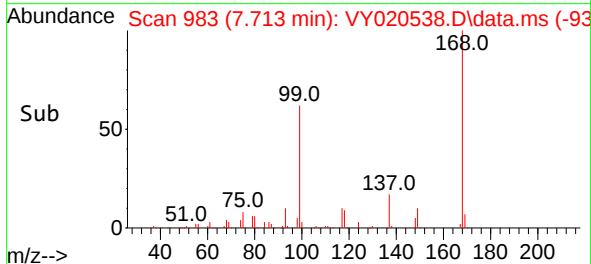
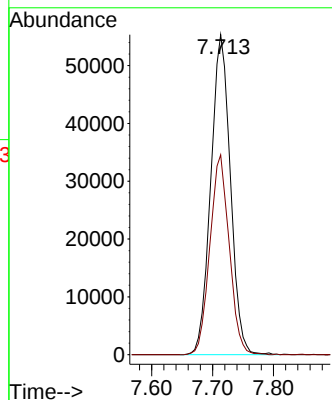
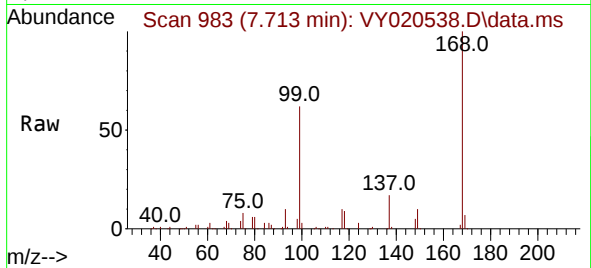




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020538.D
Acq: 06 Dec 2024 15:54

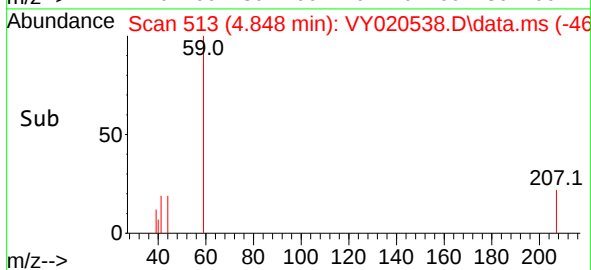
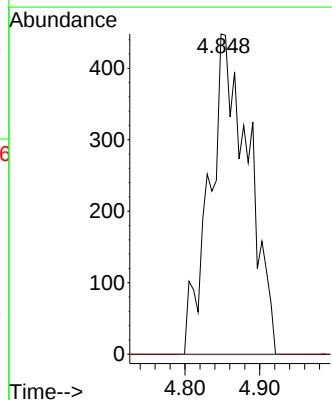
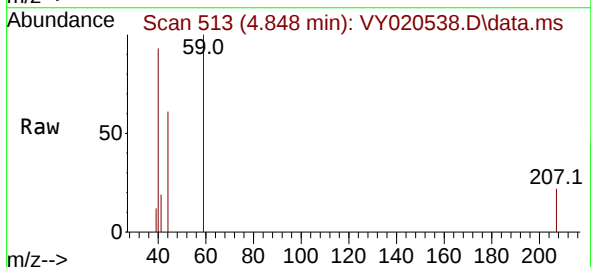
Instrument :
MSVOA_Y
ClientSampleId :

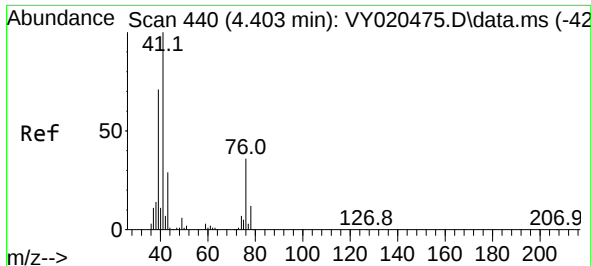
Tgt Ion:168 Resp: 123695
Ion Ratio Lower Upper
168 100
99 62.5 46.6 69.8



#11
Tert butyl alcohol
Concen: 19.888 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.030 min
Lab File: VY020538.D
Acq: 06 Dec 2024 15:54

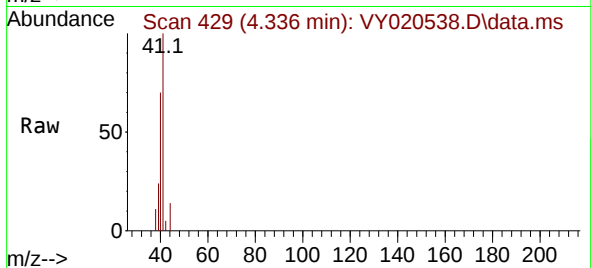
Tgt Ion: 59 Resp: 1623
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



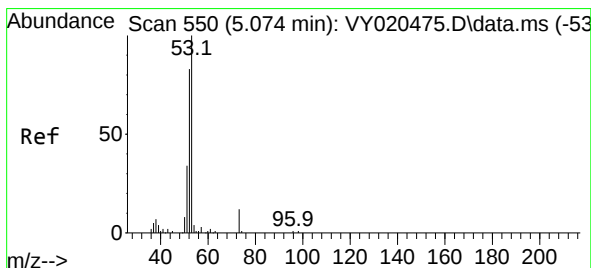
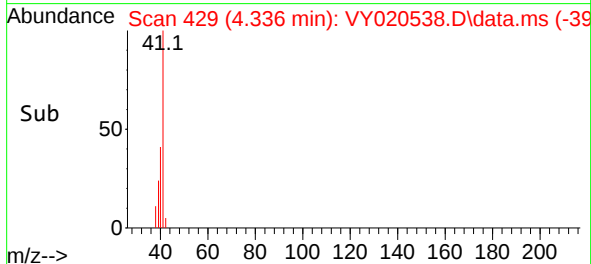
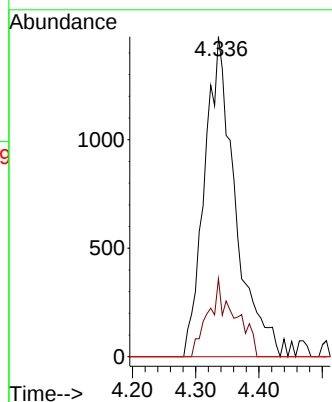


#14
Allyl chloride
Concen: 2.174 ug/l
RT: 4.336 min Scan# 41
Delta R.T. -0.067 min
Lab File: VY020538.D
Acq: 06 Dec 2024 15:54

Instrument :
MSVOA_Y
ClientSampleId :

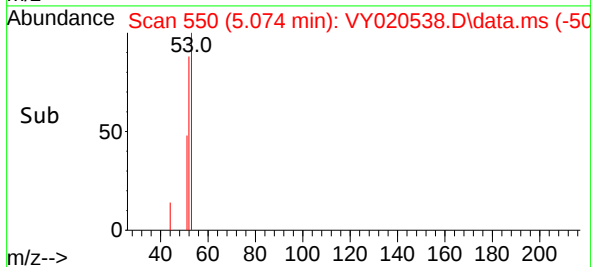
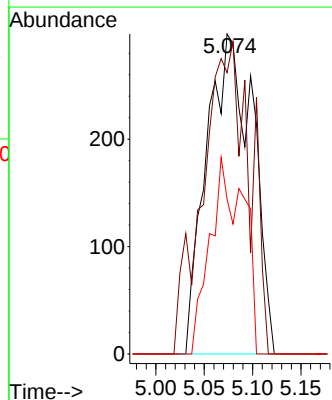
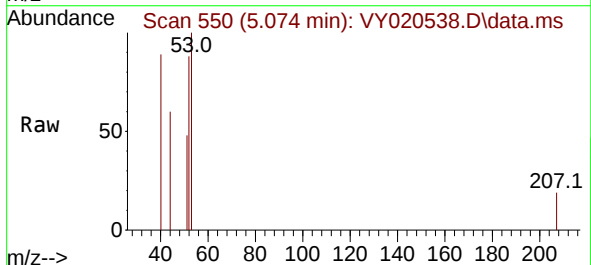


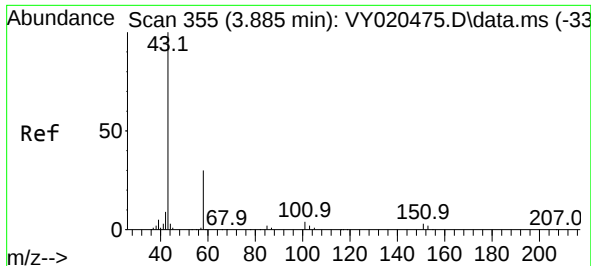
Tgt Ion: 41 Resp: 4979
Ion Ratio Lower Upper
41 100
39 21.2 58.8 88.2#
76 0.0 29.7 44.5#



#15
Acrylonitrile
Concen: 3.595 ug/l
RT: 5.074 min Scan# 550
Delta R.T. 0.000 min
Lab File: VY020538.D
Acq: 06 Dec 2024 15:54

Tgt Ion: 53 Resp: 990
Ion Ratio Lower Upper
53 100
52 98.6 65.2 97.8#
51 29.0 30.2 45.4#

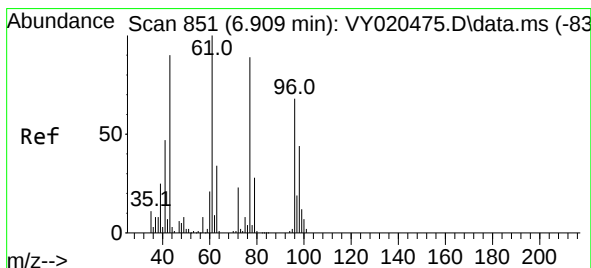
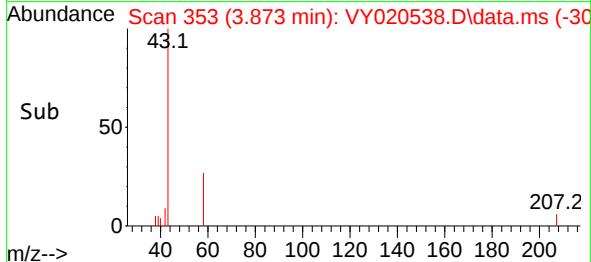
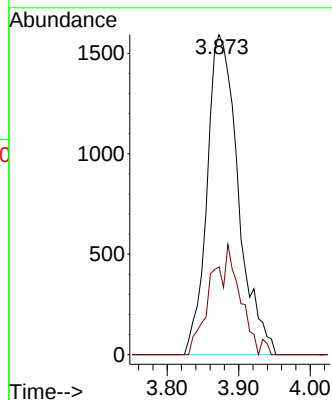
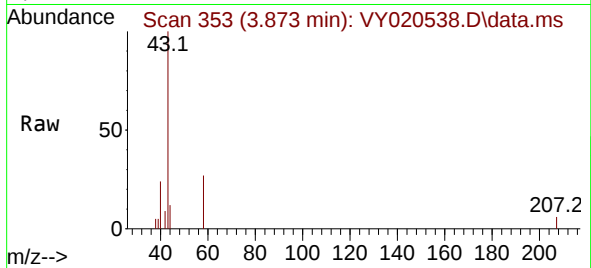




#16
Acetone
Concen: 15.416 ug/l
RT: 3.873 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY020538.D
Acq: 06 Dec 2024 15:54

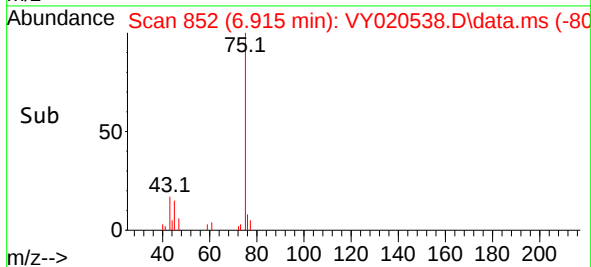
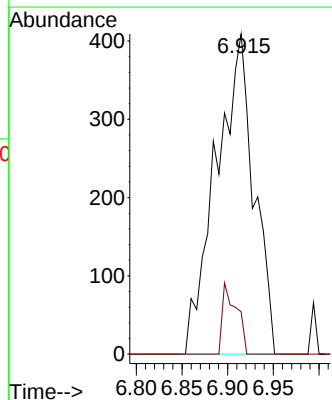
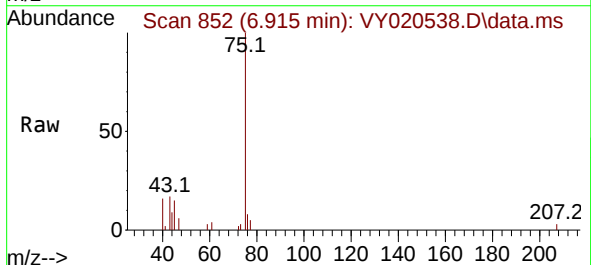
Instrument :
MSVOA_Y
ClientSampleId :

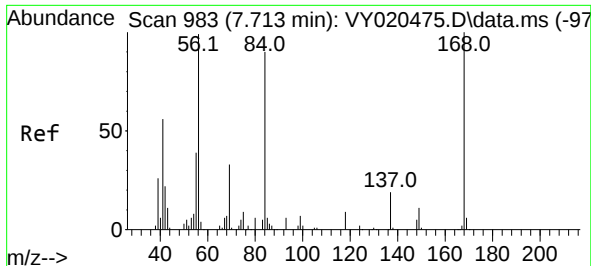
Tgt Ion: 43 Resp: 4822
Ion Ratio Lower Upper
43 100
58 27.4 25.7 38.5



#25
2-Butanone
Concen: 2.975 ug/l
RT: 6.915 min Scan# 852
Delta R.T. 0.006 min
Lab File: VY020538.D
Acq: 06 Dec 2024 15:54

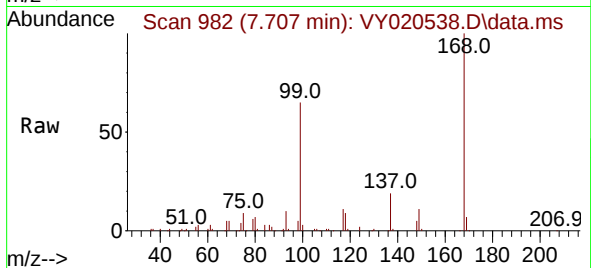
Tgt Ion: 43 Resp: 1175
Ion Ratio Lower Upper
43 100
72 13.2 20.4 30.6#



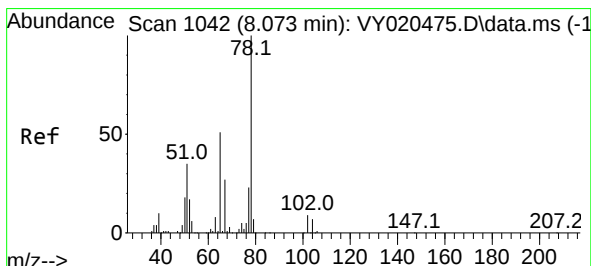
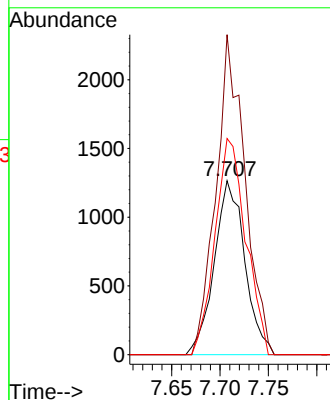
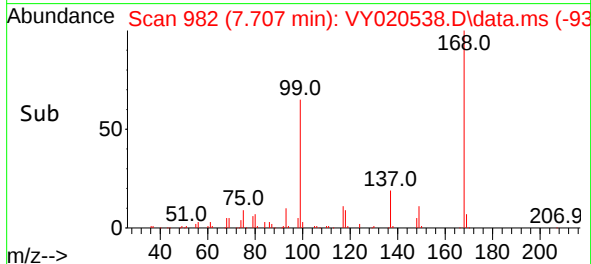


#31
Cyclohexane
Concen: 1.119 ug/l
RT: 7.707 min Scan# 983
Delta R.T. -0.006 min
Lab File: VY020538.D
Acq: 06 Dec 2024 15:54

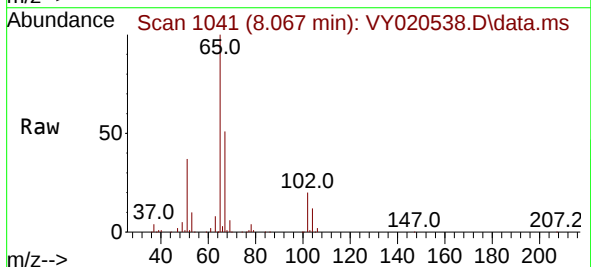
Instrument :
MSVOA_Y
ClientSampleId :



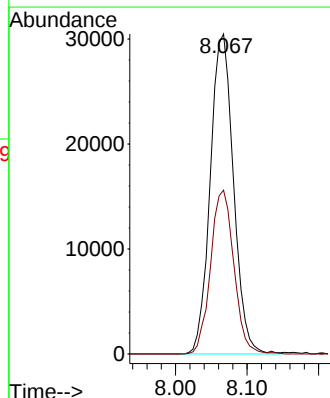
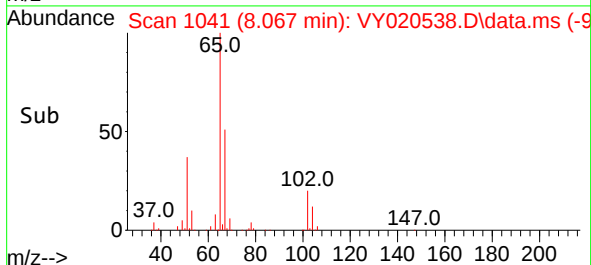
Tgt Ion: 56 Resp: 2774
Ion Ratio Lower Upper
56 100
69 184.0 25.3 37.9#
84 124.3 66.9 100.3#

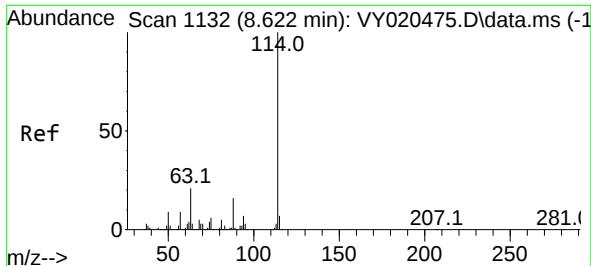


#33
1,2-Dichloroethane-d4
Concen: 54.661 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VY020538.D
Acq: 06 Dec 2024 15:54



Tgt Ion: 65 Resp: 68764
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

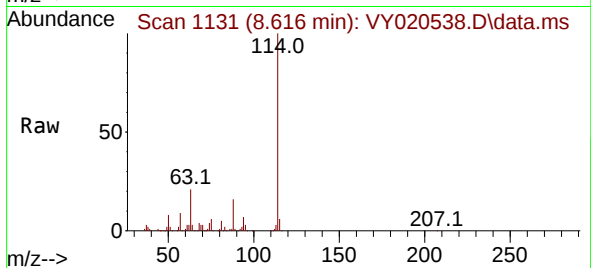
Lab File: VY020538.D

Acq: 06 Dec 2024 15:54

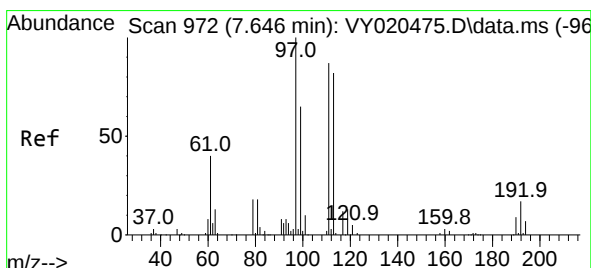
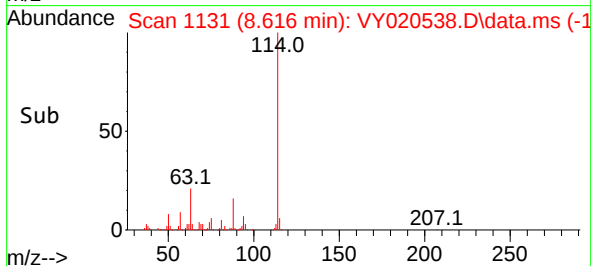
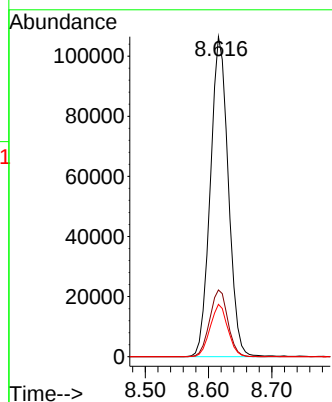
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	114	Resp:	210048
Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	44.8
88	16.3	0.0	32.0



#35

Dibromofluoromethane

Concen: 50.028 ug/l

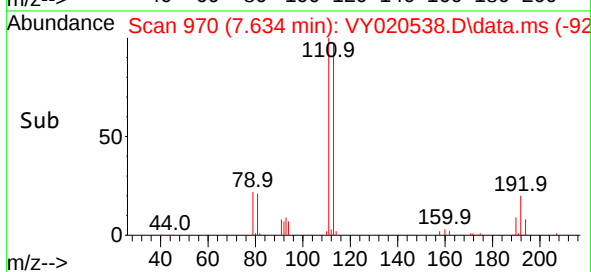
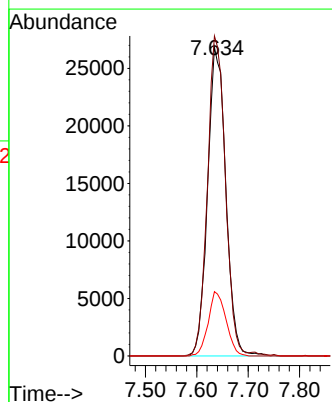
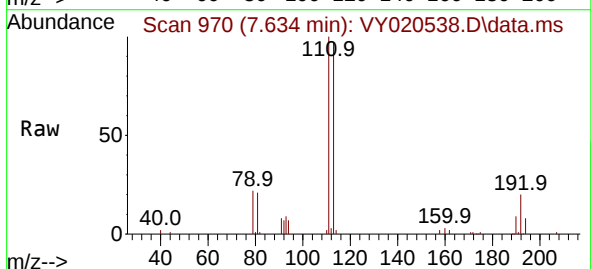
RT: 7.634 min Scan# 970

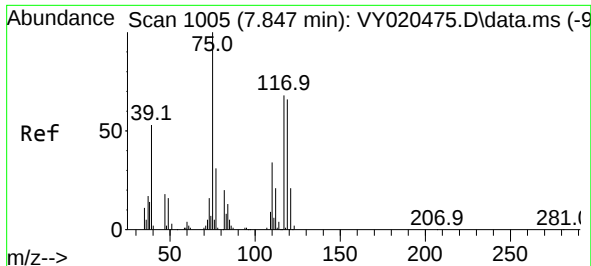
Delta R.T. -0.012 min

Lab File: VY020538.D

Acq: 06 Dec 2024 15:54

Tgt Ion:	113	Resp:	66154
Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.4	122.0
192	20.4	15.1	22.7

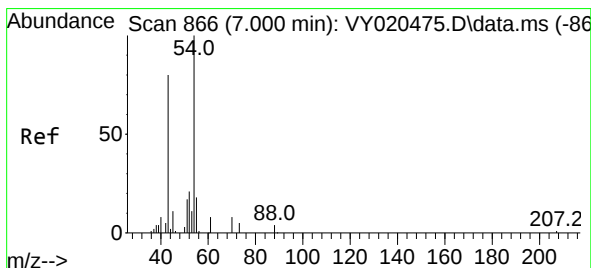
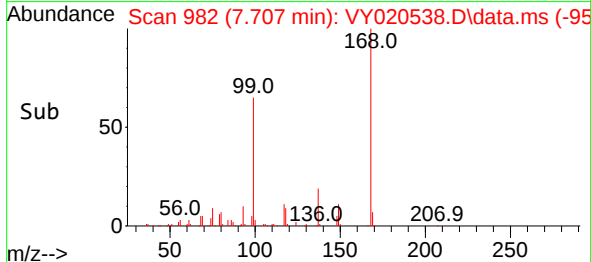
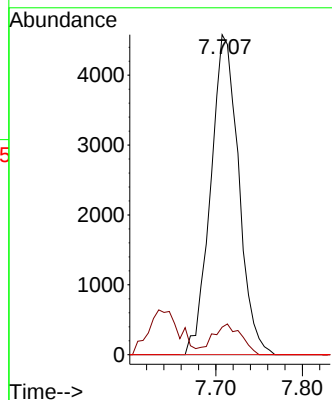
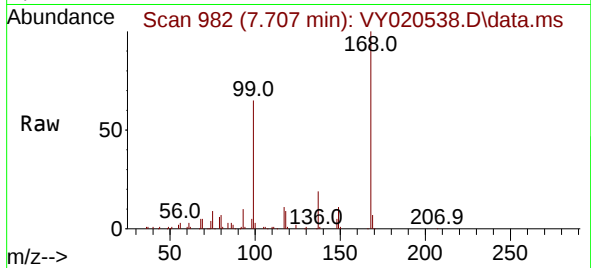




#36
1,1-Dichloropropene
Concen: 4.604 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY020538.D
Acq: 06 Dec 2024 15:54

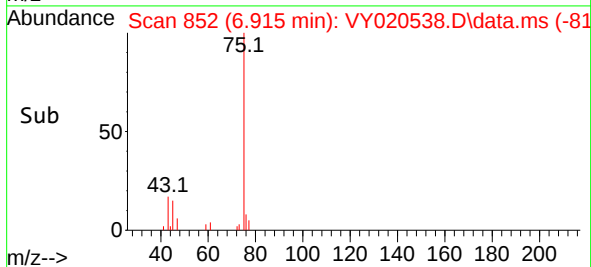
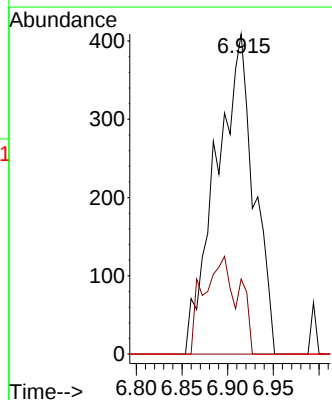
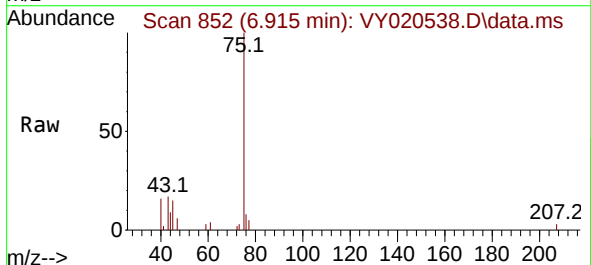
Instrument :
MSVOA_Y
ClientSampleId :

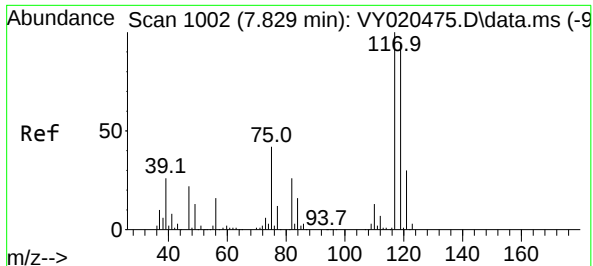
Tgt Ion: 75 Resp: 10282
Ion Ratio Lower Upper
75 100
110 9.8 16.7 50.0#
77 0.0 24.6 36.8#



#37
Ethyl Acetate
Concen: 1.328 ug/l
RT: 6.915 min Scan# 852
Delta R.T. -0.085 min
Lab File: VY020538.D
Acq: 06 Dec 2024 15:54

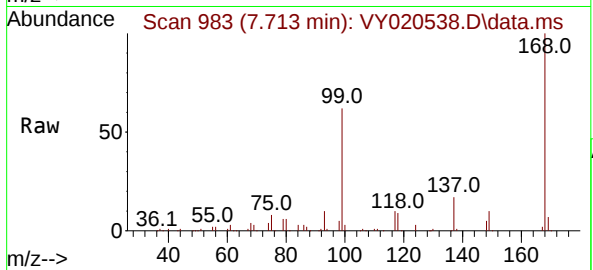
Tgt Ion: 43 Resp: 1175
Ion Ratio Lower Upper
43 100
61 28.2 10.7 16.1#
70 0.0 7.3 10.9#



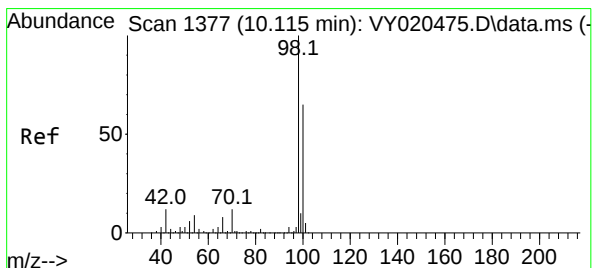
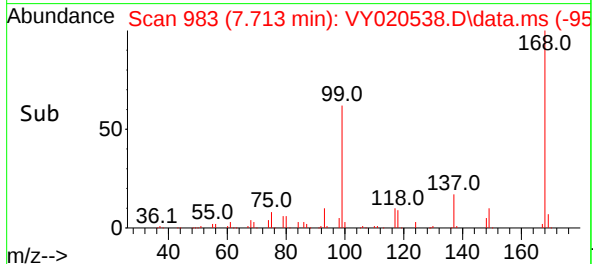
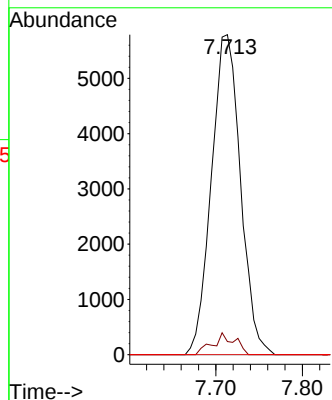


#38
Carbon Tetrachloride
Concen: 5.067 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY020538.D
Acq: 06 Dec 2024 15:54

Instrument :
MSVOA_Y
ClientSampleId :

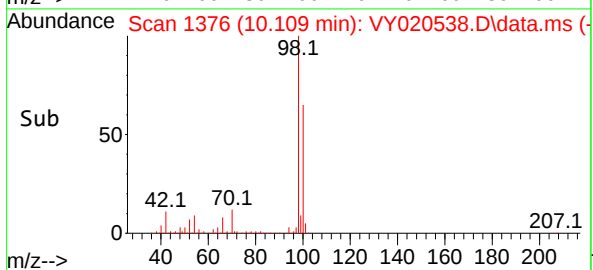
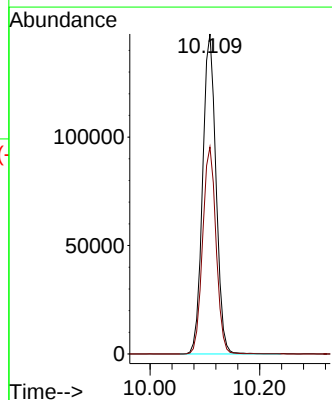
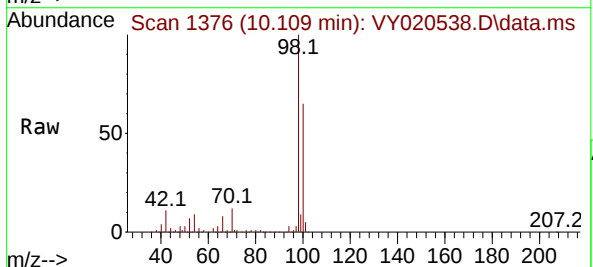


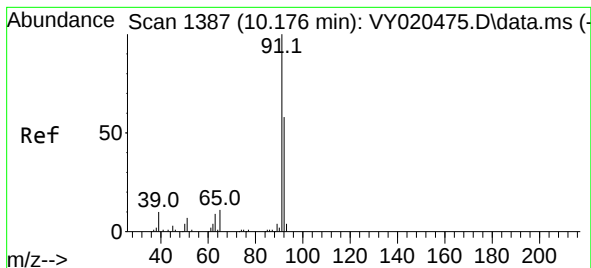
Tgt Ion:117 Resp: 13504
Ion Ratio Lower Upper
117 100
119 4.1 77.8 116.6#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 49.569 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY020538.D
Acq: 06 Dec 2024 15:54

Tgt Ion: 98 Resp: 249592
Ion Ratio Lower Upper
98 100
100 64.8 51.3 76.9





#52

Toluene

Concen: 2.911 ug/l

RT: 10.176 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY020538.D

Acq: 06 Dec 2024 15:54

Instrument :

MSVOA_Y

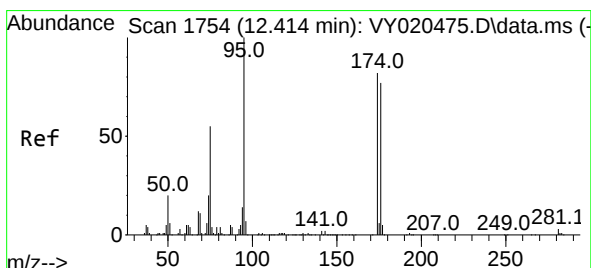
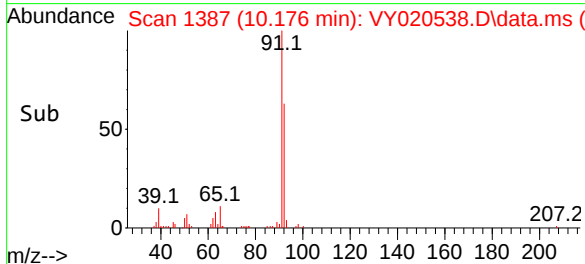
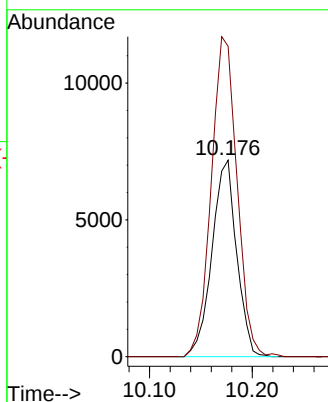
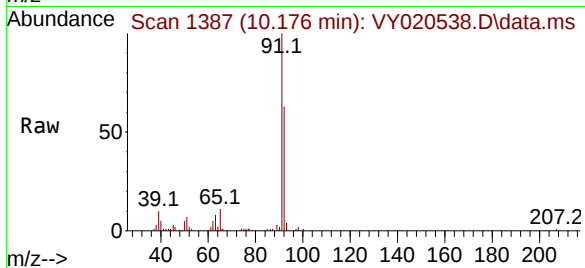
ClientSampleId :

Tgt Ion: 92 Resp: 11957

Ion Ratio Lower Upper

92 100

91 170.1 139.7 209.5



#62

4-Bromofluorobenzene

Concen: 41.848 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.006 min

Lab File: VY020538.D

Acq: 06 Dec 2024 15:54

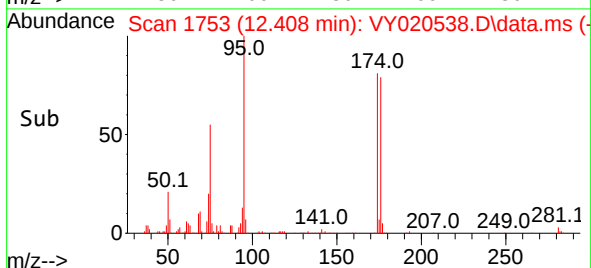
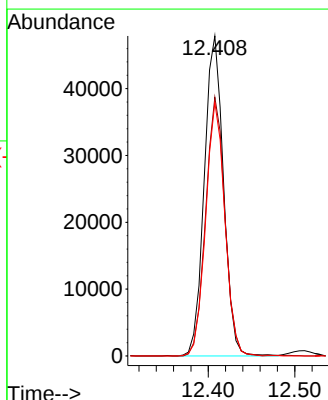
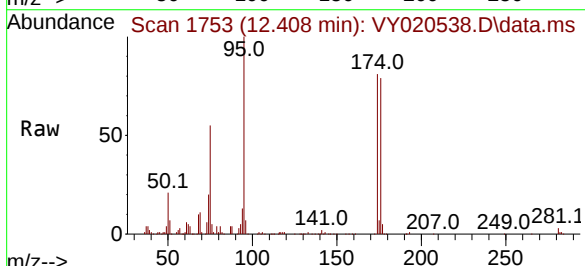
Tgt Ion: 95 Resp: 73698

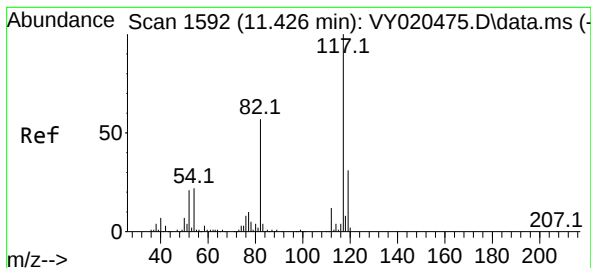
Ion Ratio Lower Upper

95 100

174 81.2 0.0 156.8

176 78.7 0.0 152.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. -0.012 min

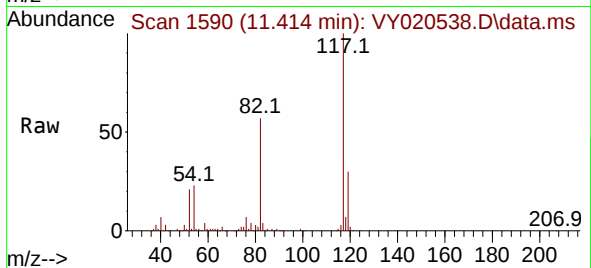
Lab File: VY020538.D

Acq: 06 Dec 2024 15:54

Instrument :

MSVOA_Y

ClientSampleId :



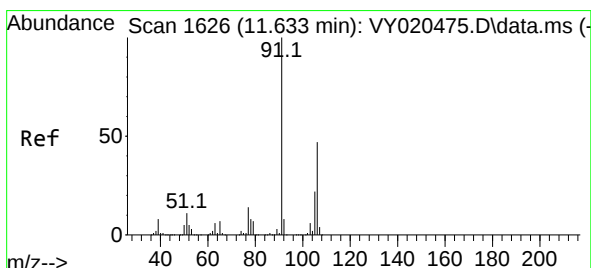
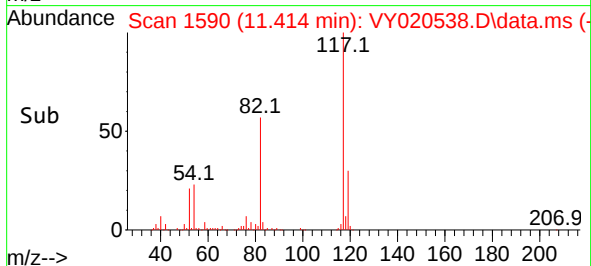
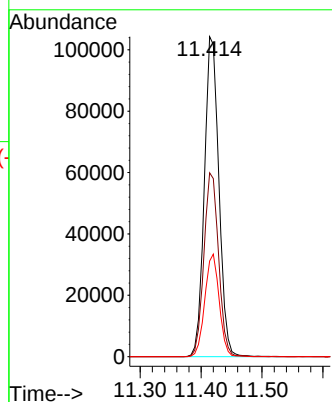
Tgt Ion:117 Resp: 172575

Ion Ratio Lower Upper

117 100

82 57.4 48.2 72.4

119 29.9 25.8 38.8



#68

m/p-Xylenes

Concen: 2.940 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY020538.D

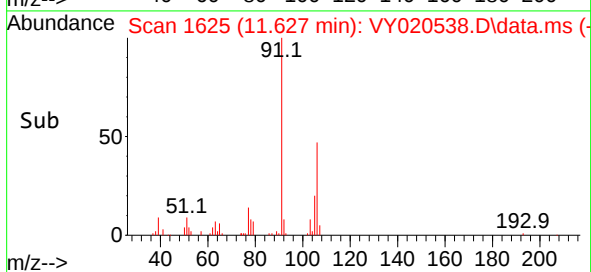
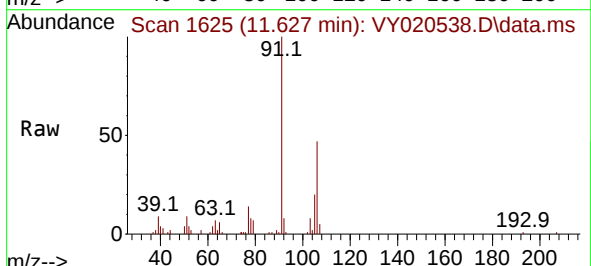
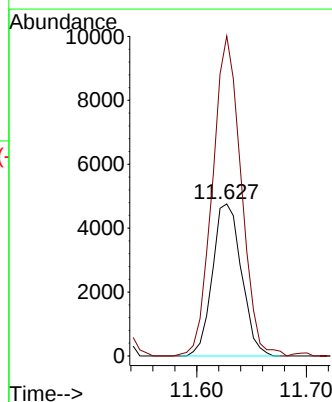
Acq: 06 Dec 2024 15:54

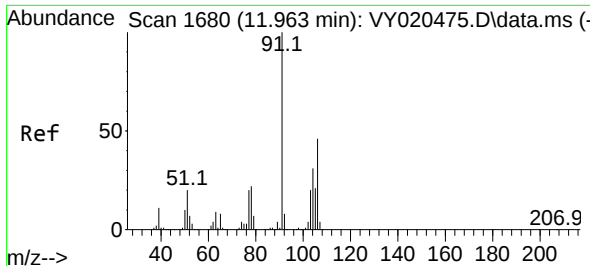
Tgt Ion:106 Resp: 8728

Ion Ratio Lower Upper

106 100

91 208.4 166.0 249.0

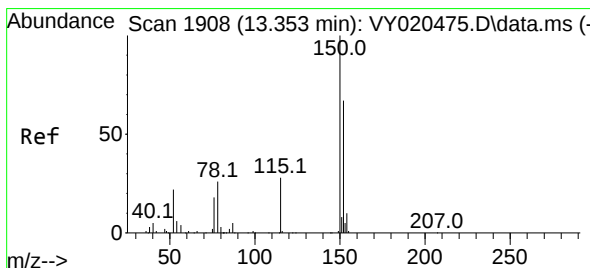
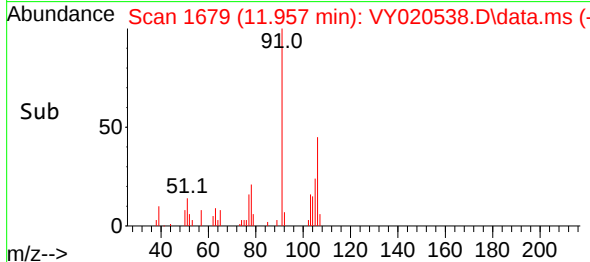
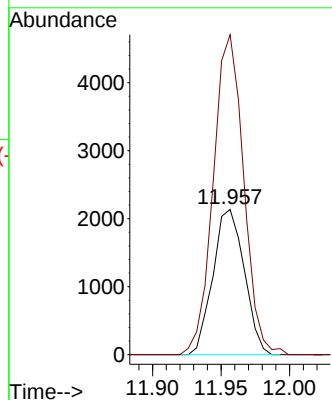
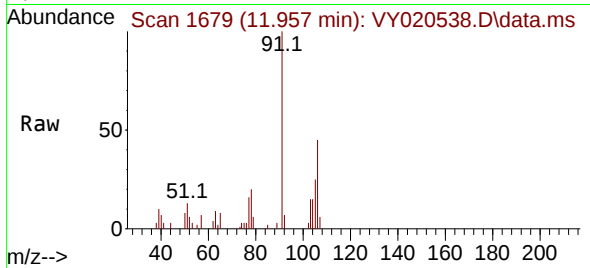




#69
o-Xylene
Concen: 1.223 ug/l
RT: 11.957 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020538.D
Acq: 06 Dec 2024 15:54

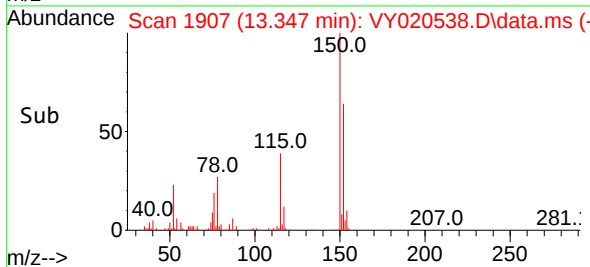
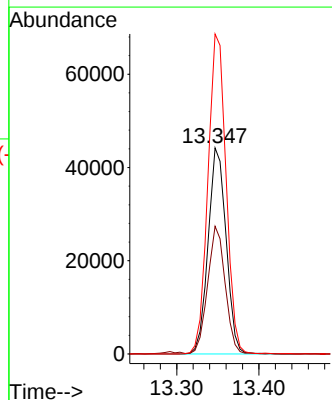
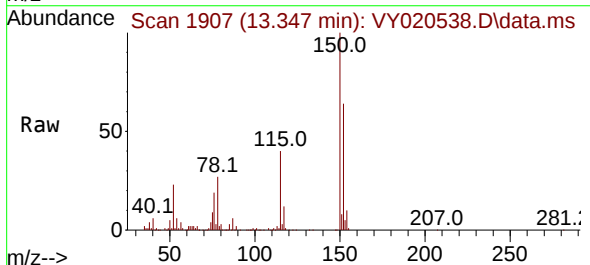
Instrument :
MSVOA_Y
ClientSampleId :

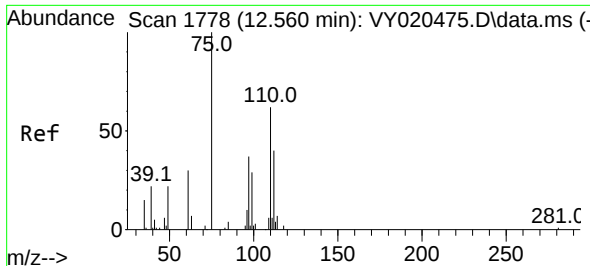
Tgt Ion:106 Resp: 3401
Ion Ratio Lower Upper
106 100
91 213.4 110.0 330.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY020538.D
Acq: 06 Dec 2024 15:54

Tgt Ion:152 Resp: 67191
Ion Ratio Lower Upper
152 100
115 60.6 30.0 90.0
150 156.3 0.0 348.2

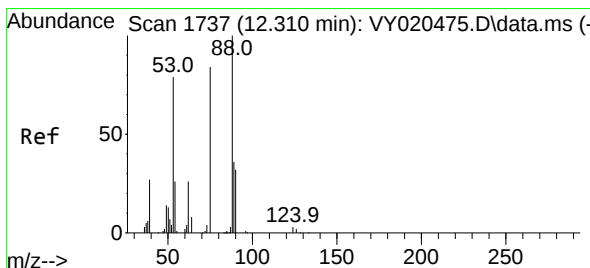
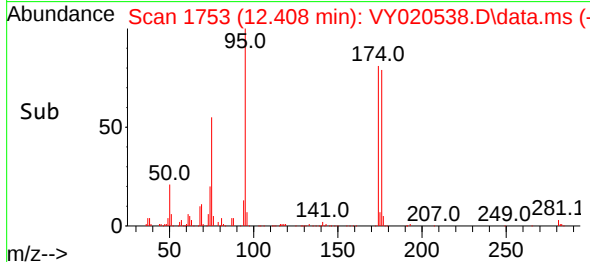
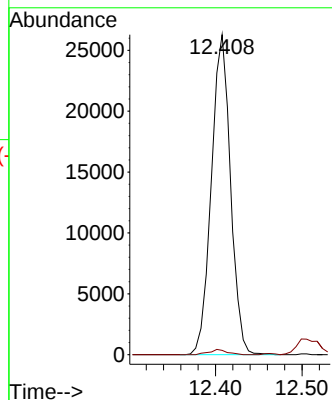
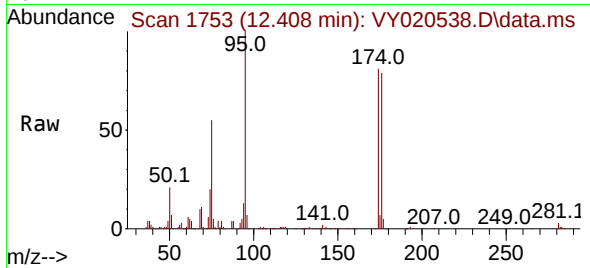




#76
1,2,3-Trichloropropane
Concen: 59.002 ug/l
RT: 12.408 min Scan# 1778
Delta R.T. -0.152 min
Lab File: VY020538.D
Acq: 06 Dec 2024 15:54

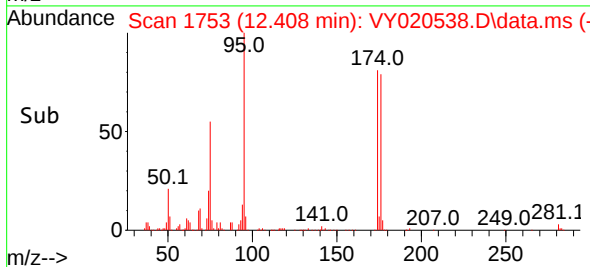
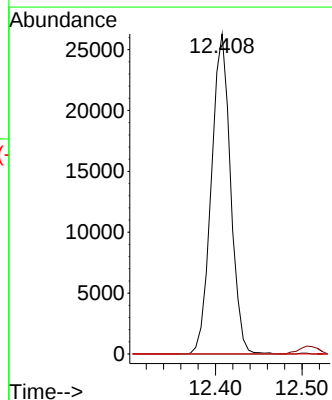
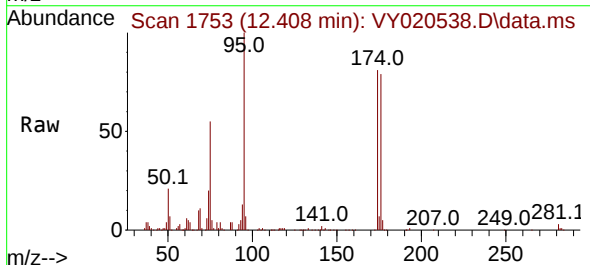
Instrument :
MSVOA_Y
ClientSampleId :

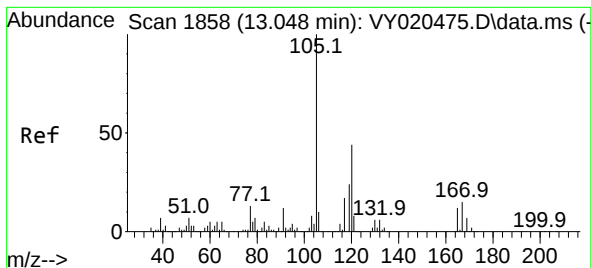
Tgt Ion: 75 Resp: 40385
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.064 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.098 min
Lab File: VY020538.D
Acq: 06 Dec 2024 15:54

Tgt Ion: 75 Resp: 40385
Ion Ratio Lower Upper
75 100
53 0.0 81.1 121.7#
89 0.0 35.1 52.7#





#84

1,2,4-Trimethylbenzene

Concen: 1.526 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.006 min

Lab File: VY020538.D

Acq: 06 Dec 2024 15:54

Instrument :

MSVOA_Y

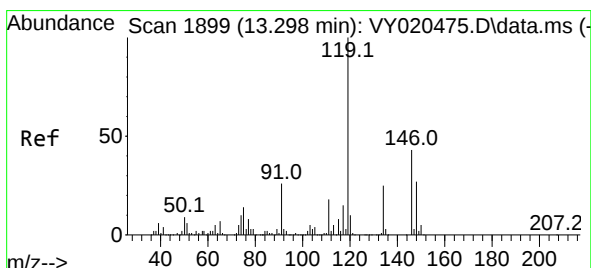
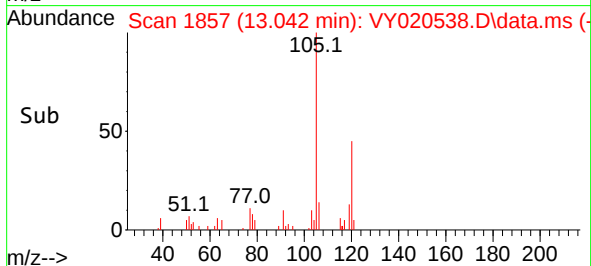
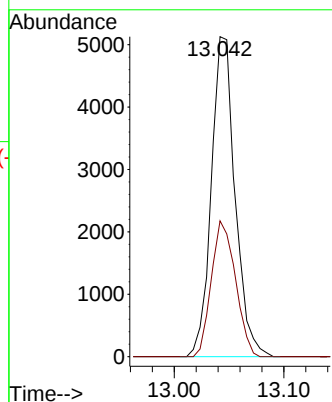
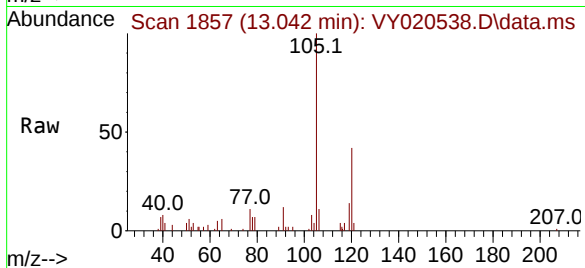
ClientSampleId :

Tgt Ion:105 Resp: 7728

Ion Ratio Lower Upper

105 100

120 42.9 22.0 66.0



#86

p-Isopropyltoluene

Concen: 1.038 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. -0.006 min

Lab File: VY020538.D

Acq: 06 Dec 2024 15:54

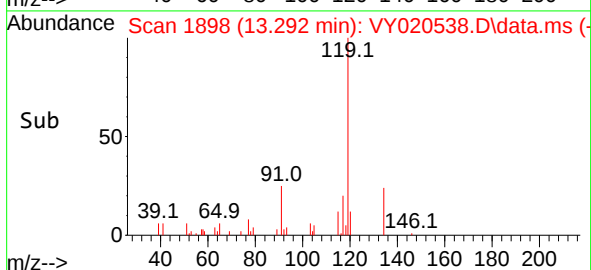
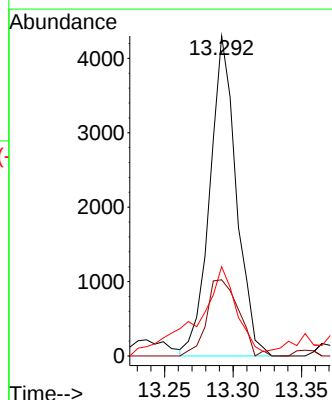
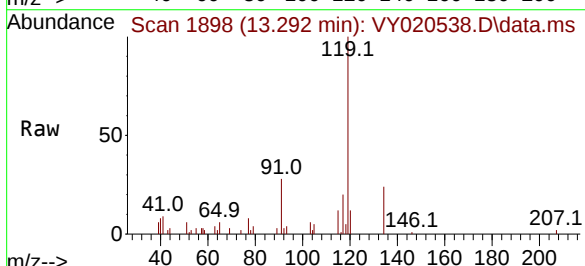
Tgt Ion:119 Resp: 5789

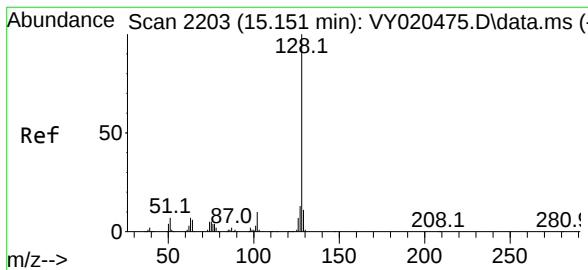
Ion Ratio Lower Upper

119 100

134 28.9 12.8 38.4

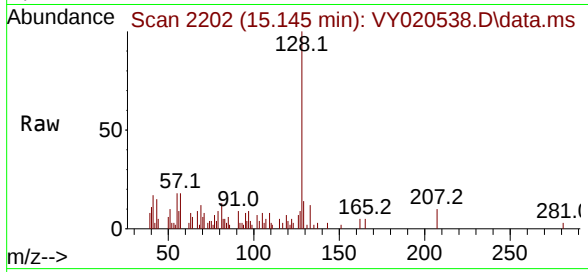
91 42.6 12.3 36.8#





#95
 Naphthalene
 Concen: 2.710 ug/l
 RT: 15.145 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY020538.D
 Acq: 06 Dec 2024 15:54

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	5429
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.5	15.7
129	16.3	8.6	13.0

