

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020625\
 Data File : VY021115.D
 Acq On : 06 Feb 2025 16:45
 Operator : SY/MD
 Sample : Q1287-05
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 07 02:34:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

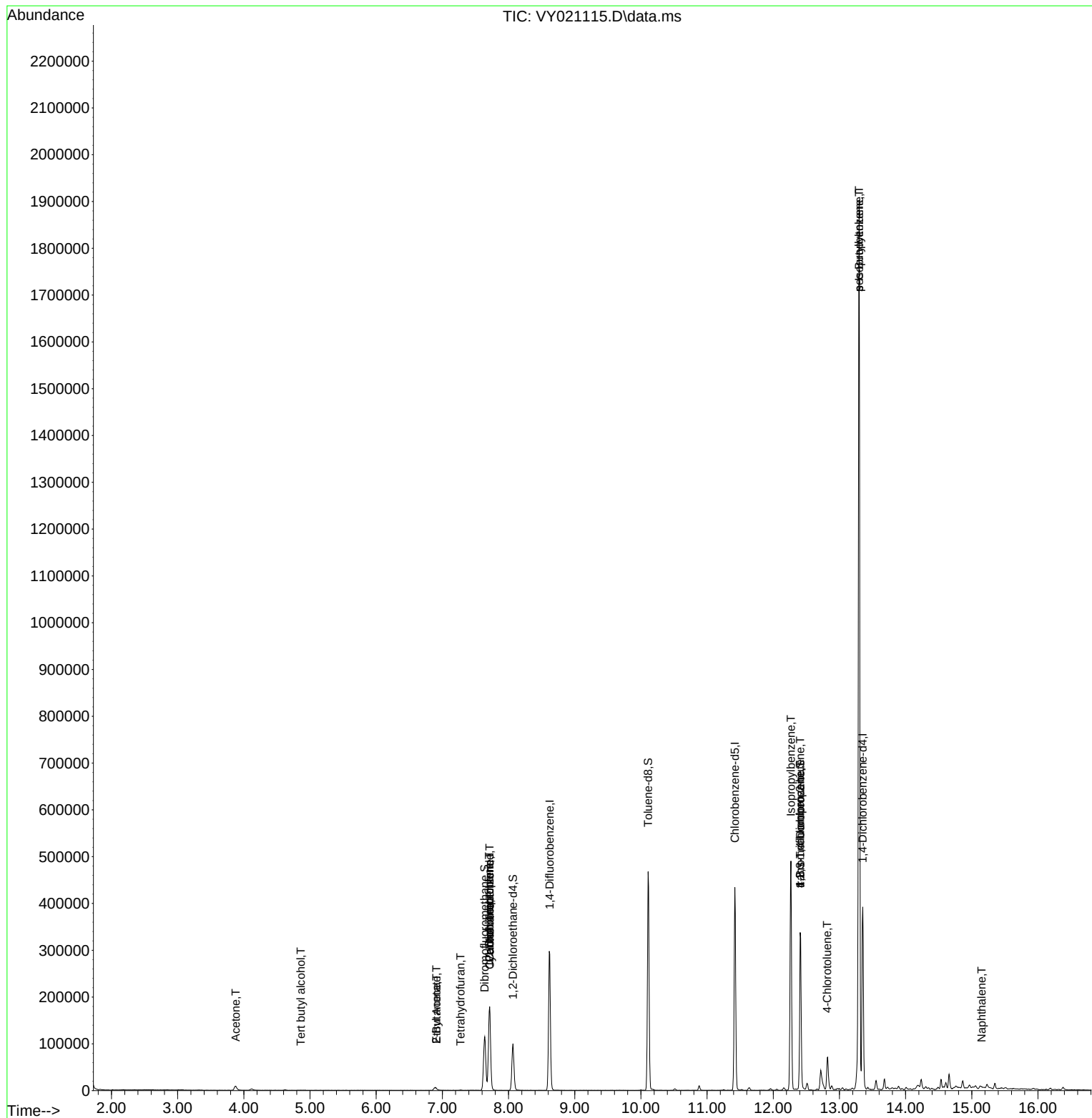
Internal Standards						
1) Pentafluorobenzene	7.713	168	137136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	247258	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	223772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	96231	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	78531	55.891	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.780%	
35) Dibromofluoromethane	7.640	113	81527	51.450	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.900%	
50) Toluene-d8	10.109	98	296579	49.162	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.320%	
62) 4-Bromofluorobenzene	12.407	95	101814	51.660	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.320%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	416	4.369	ug/l #	75
16) Acetone	3.878	43	15688	71.596	ug/l	95
25) 2-Butanone	6.908	43	1775	4.930	ug/l	93
29) Tetrahydrofuran	7.274	42	470	1.929	ug/l #	62
31) Cyclohexane	7.719	56	2867	1.196	ug/l #	26
36) 1,1-Dichloropropene	7.707	75	11235	4.787	ug/l #	50
37) Ethyl Acetate	6.908	43	1775	1.724	ug/l #	87
38) Carbon Tetrachloride	7.713	117	13983	5.099	ug/l #	16
73) Isopropylbenzene	12.267	105	19949	2.654	ug/l #	64
76) 1,2,3-Trichloropropane	12.407	75	56032	64.188	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	56032	130.975	ug/l #	12
82) 4-Chlorotoluene	12.816	91	8384	1.604	ug/l #	41
85) sec-Butylbenzene	13.298	105	39231	4.920	ug/l #	1
86) p-Isopropyltoluene	13.298	119	1001714	151.225	ug/l	99
95) Naphthalene	15.151	128	3309	1.278	ug/l	98

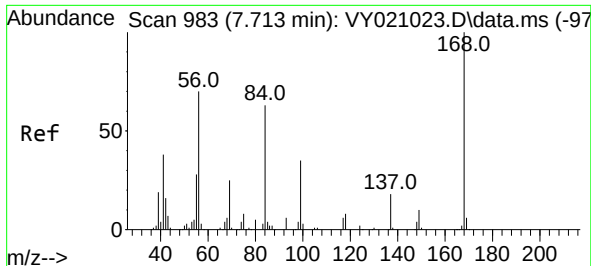
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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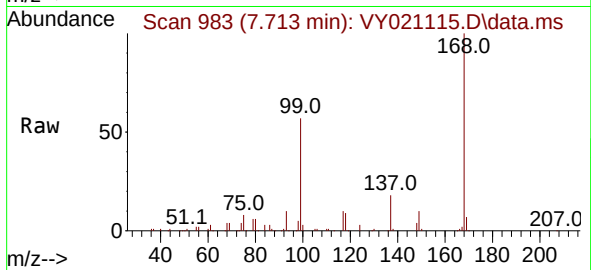
Quant Time: Feb 07 02:34:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
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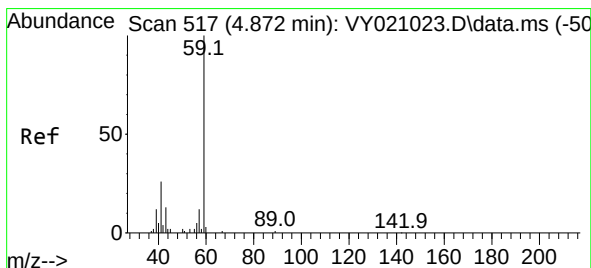
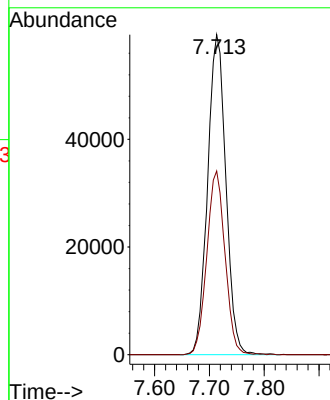
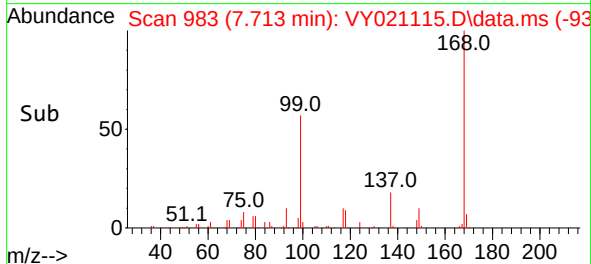


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021115.D
Acq: 06 Feb 2025 16:45

Instrument :
MSVOA_Y
ClientSampleId :

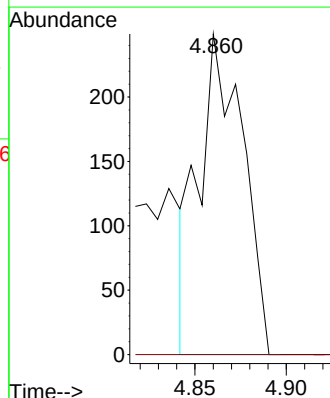
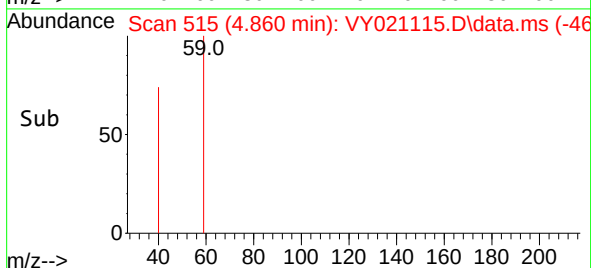
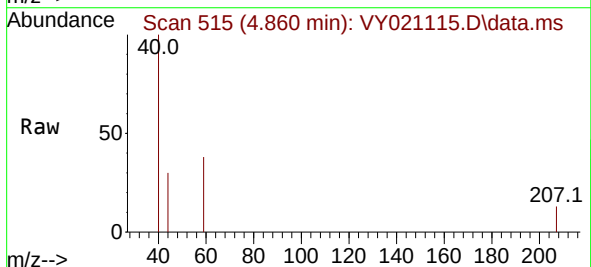


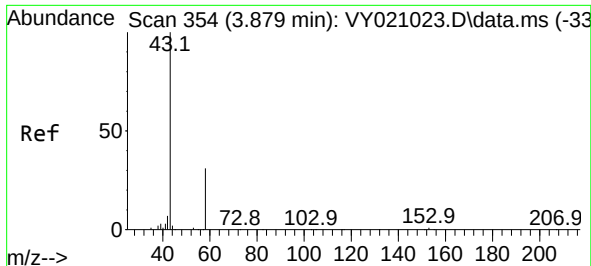
Tgt Ion:168 Resp: 137136
Ion Ratio Lower Upper
168 100
99 57.4 44.2 66.4



#11
Tert butyl alcohol
Concen: 4.369 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY021115.D
Acq: 06 Feb 2025 16:45

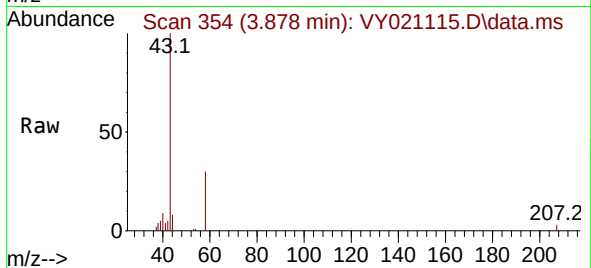
Tgt Ion: 59 Resp: 416
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



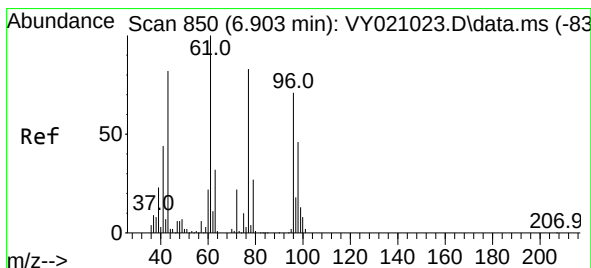
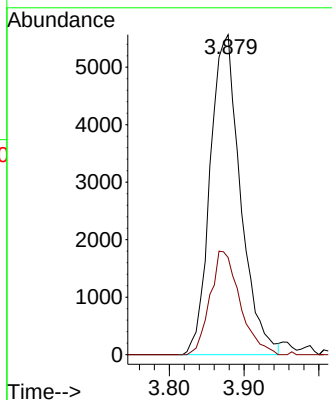
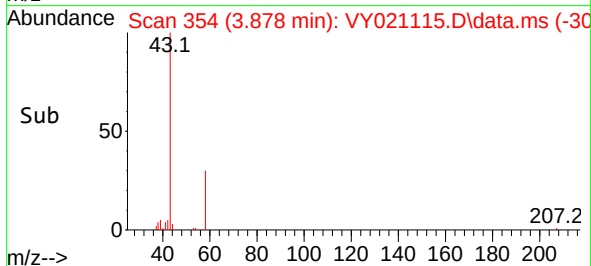


#16
Acetone
Concen: 71.596 ug/l
RT: 3.878 min Scan# 316
Delta R.T. -0.000 min
Lab File: VY021115.D
Acq: 06 Feb 2025 16:45

Instrument :
MSVOA_Y
ClientSampleId :

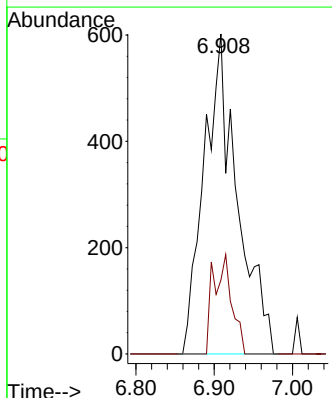
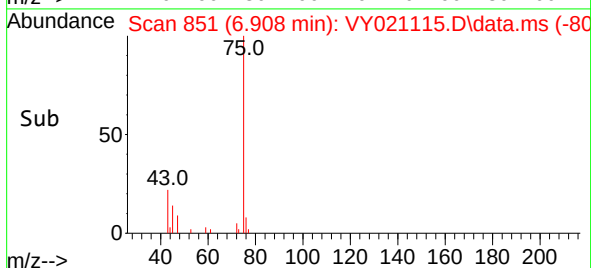
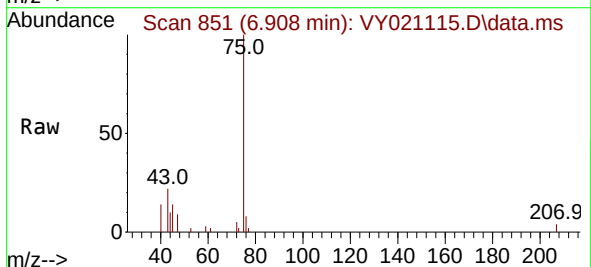


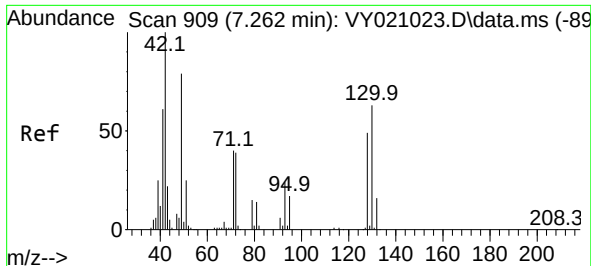
Tgt Ion: 43 Resp: 15688
Ion Ratio Lower Upper
43 100
58 30.3 26.6 39.8



#25
2-Butanone
Concen: 4.930 ug/l
RT: 6.908 min Scan# 851
Delta R.T. 0.006 min
Lab File: VY021115.D
Acq: 06 Feb 2025 16:45

Tgt Ion: 43 Resp: 1775
Ion Ratio Lower Upper
43 100
72 23.1 21.4 32.2





#29

Tetrahydrofuran

Concen: 1.929 ug/l

RT: 7.274 min Scan# 911

Delta R.T. 0.012 min

Lab File: VY021115.D

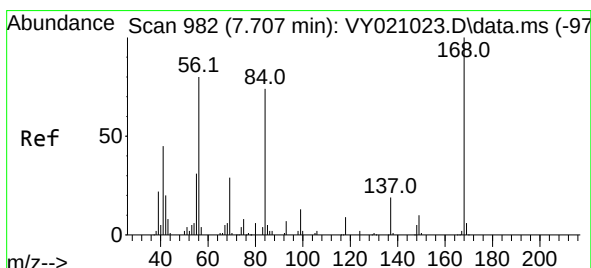
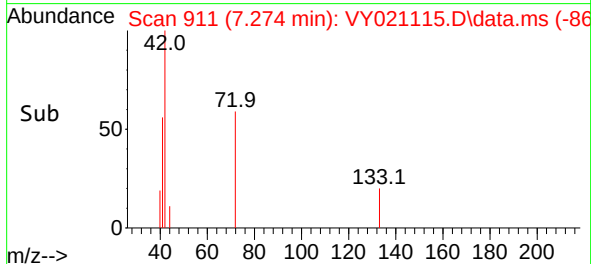
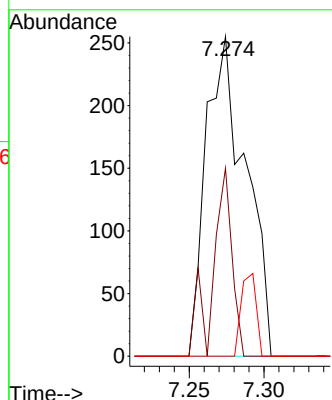
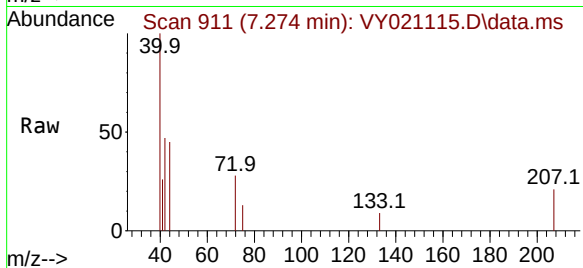
Acq: 06 Feb 2025 16:45

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	42	Resp:	470
Ion	Ratio	Lower	Upper
42	100		
72	28.9	36.6	54.8#
71	9.8	33.8	50.6#



#31

Cyclohexane

Concen: 1.196 ug/l

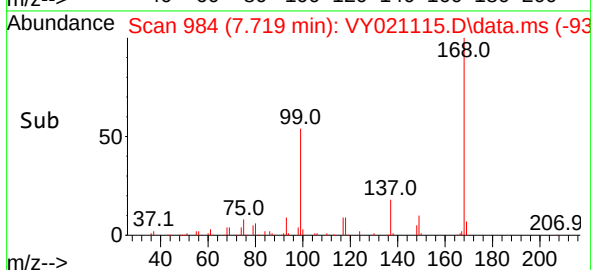
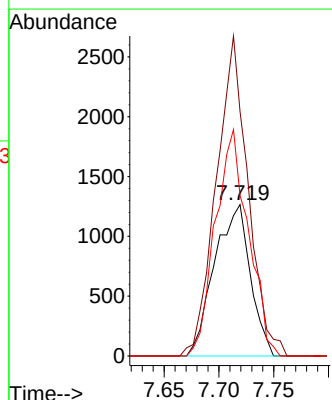
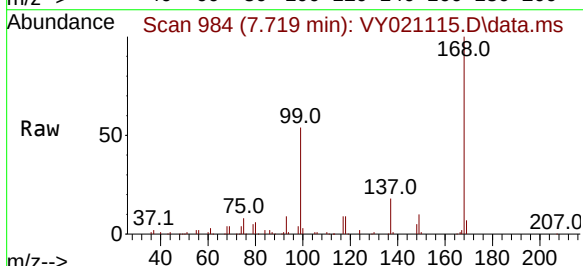
RT: 7.719 min Scan# 984

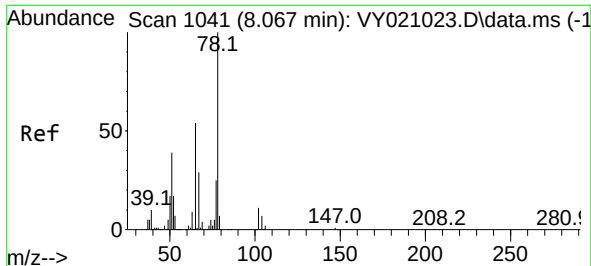
Delta R.T. 0.012 min

Lab File: VY021115.D

Acq: 06 Feb 2025 16:45

Tgt Ion:	56	Resp:	2867
Ion	Ratio	Lower	Upper
56	100		
69	161.5	27.0	40.6#
84	105.8	71.8	107.6





#33

1,2-Dichloroethane-d4

Concen: 55.891 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY021115.D

Acq: 06 Feb 2025 16:45

Instrument :

MSVOA_Y

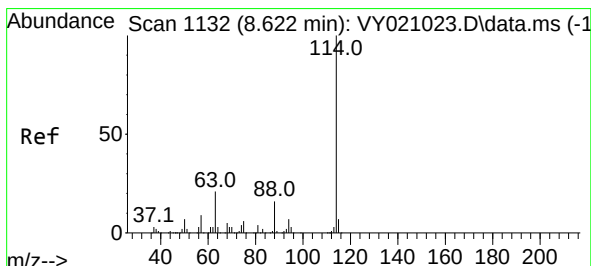
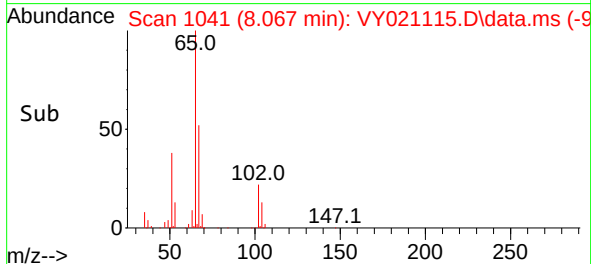
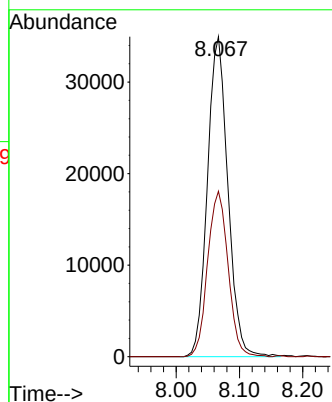
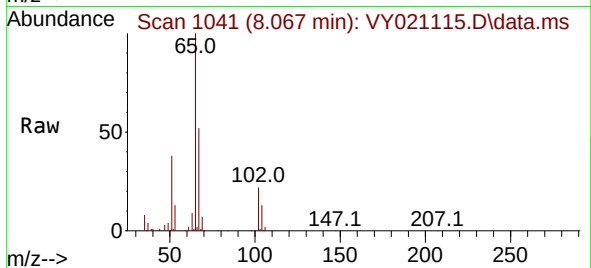
ClientSampleId :

Tgt Ion: 65 Resp: 78531

Ion Ratio Lower Upper

65 100

67 51.7 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021115.D

Acq: 06 Feb 2025 16:45

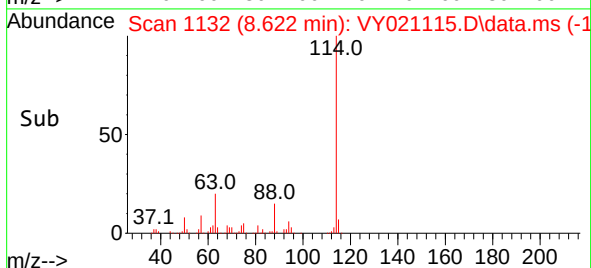
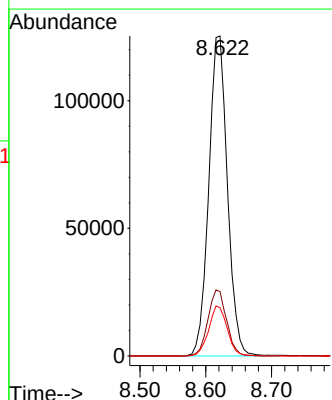
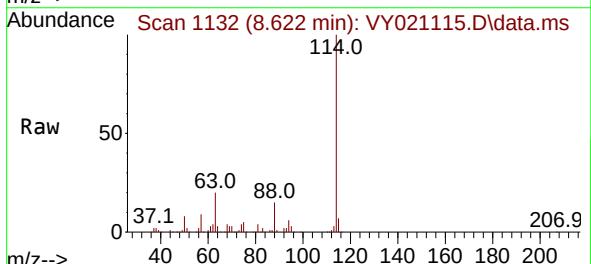
Tgt Ion: 114 Resp: 247258

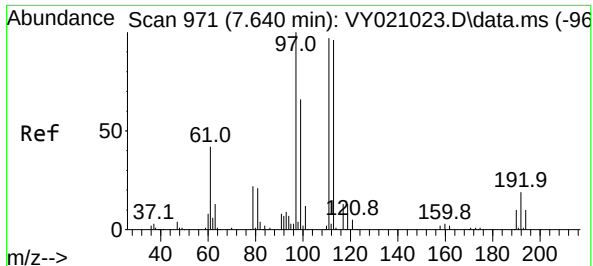
Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.4

88 15.1 0.0 29.0

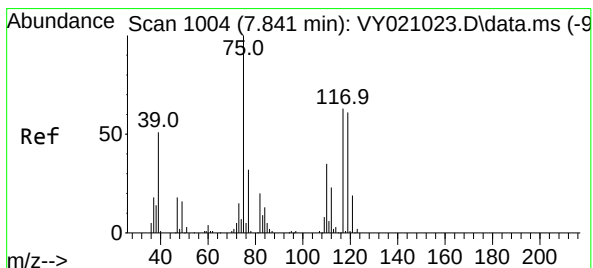
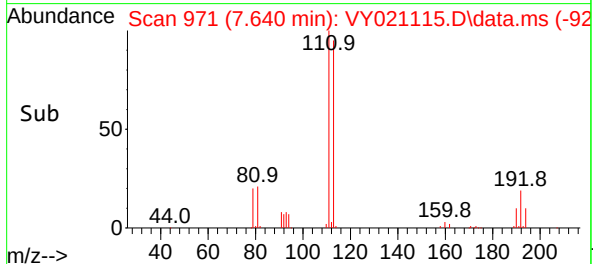
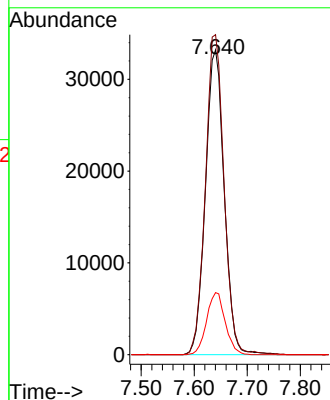
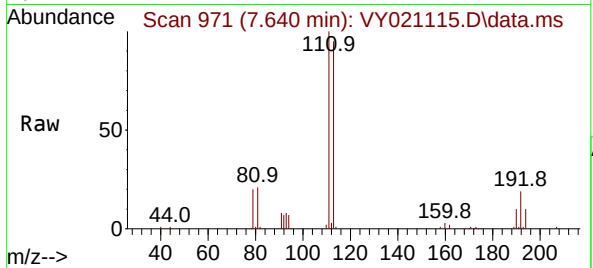




#35
Dibromofluoromethane
Concen: 51.450 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021115.D
Acq: 06 Feb 2025 16:45

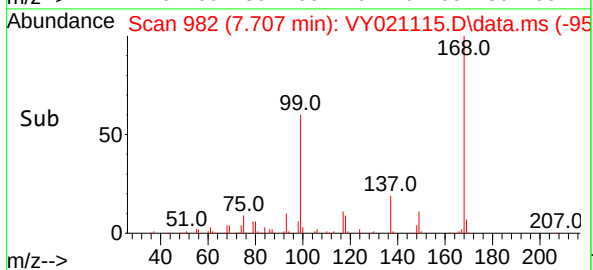
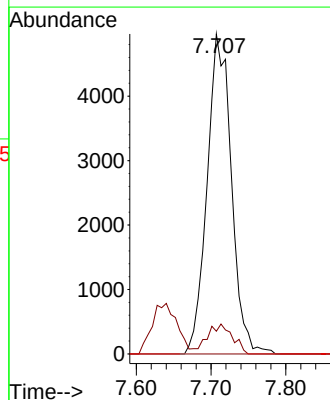
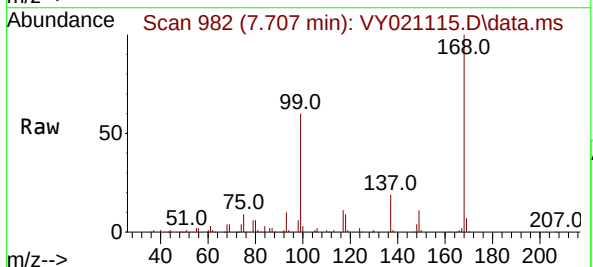
Instrument :
MSVOA_Y
ClientSampleId :

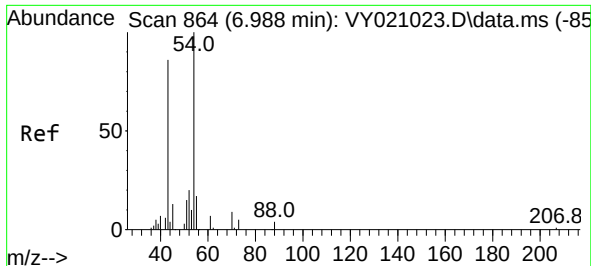
Tgt Ion:113 Resp: 81527
Ion Ratio Lower Upper
113 100
111 104.4 83.8 125.6
192 20.2 14.5 21.7



#36
1,1-Dichloropropene
Concen: 4.787 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY021115.D
Acq: 06 Feb 2025 16:45

Tgt Ion: 75 Resp: 11235
Ion Ratio Lower Upper
75 100
110 9.3 17.4 52.3#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.724 ug/l

RT: 6.908 min Scan# 81

Delta R.T. -0.080 min

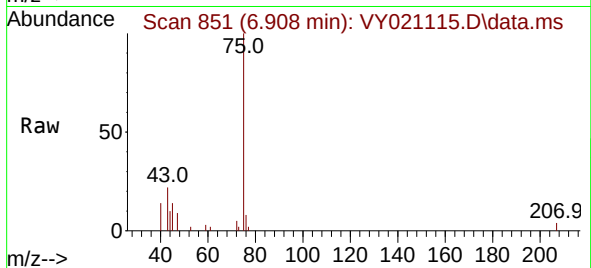
Lab File: VY021115.D

Acq: 06 Feb 2025 16:45

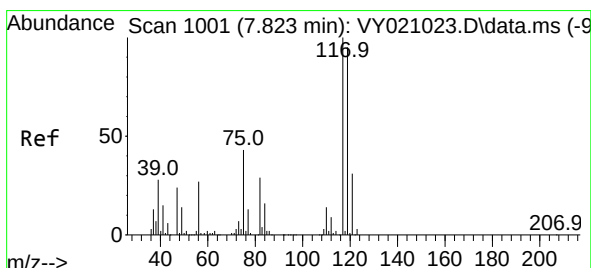
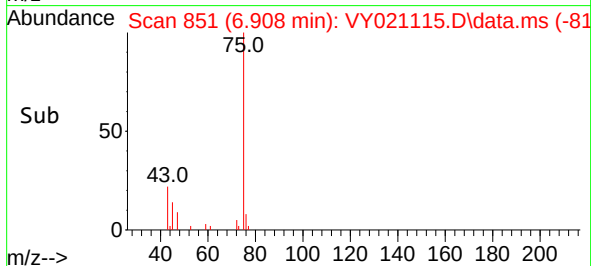
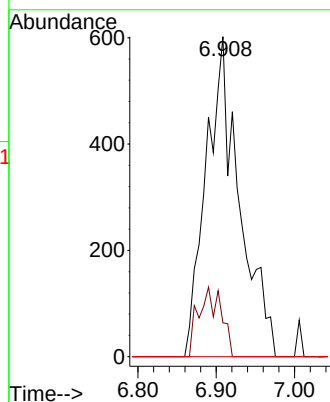
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	1775
Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.0	16.6
70	0.0	8.1	12.1



#38

Carbon Tetrachloride

Concen: 5.099 ug/l

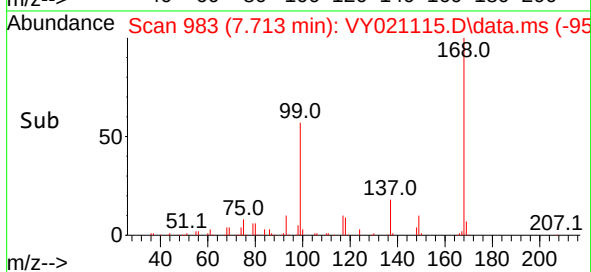
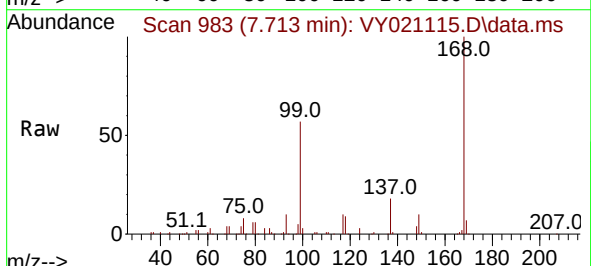
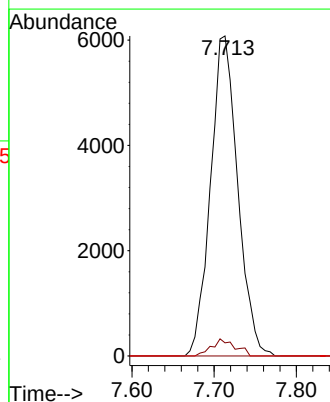
RT: 7.713 min Scan# 983

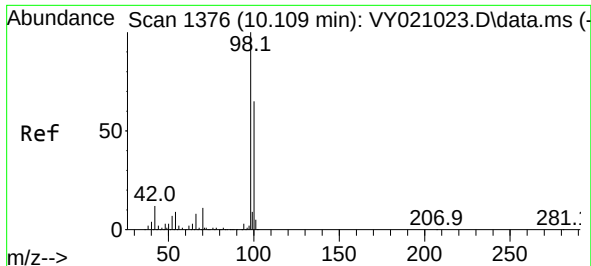
Delta R.T. -0.110 min

Lab File: VY021115.D

Acq: 06 Feb 2025 16:45

Tgt Ion:	117	Resp:	13983
Ion	Ratio	Lower	Upper
117	100		
119	4.1	76.0	114.0
121	0.0	24.2	36.2

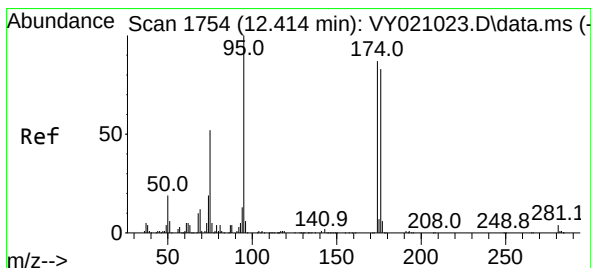
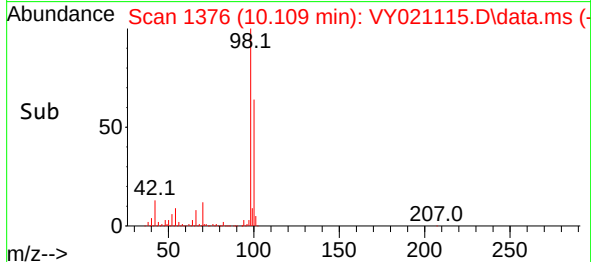
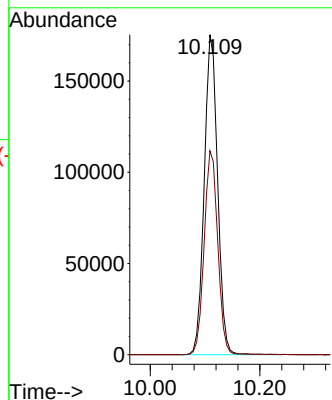
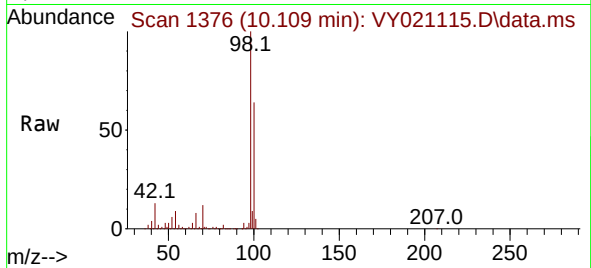




#50
Toluene-d8
Concen: 49.162 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021115.D
Acq: 06 Feb 2025 16:45

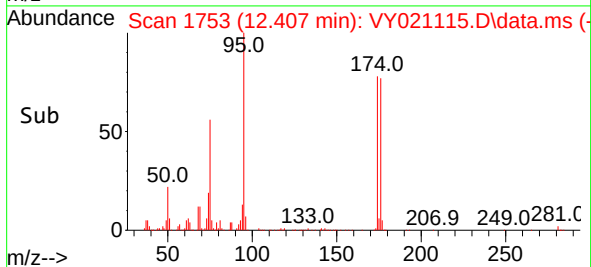
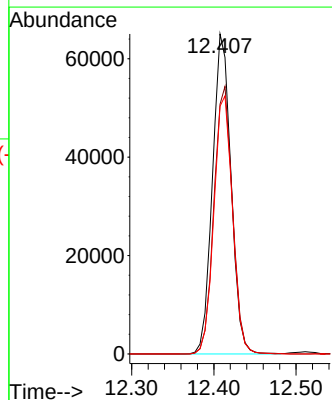
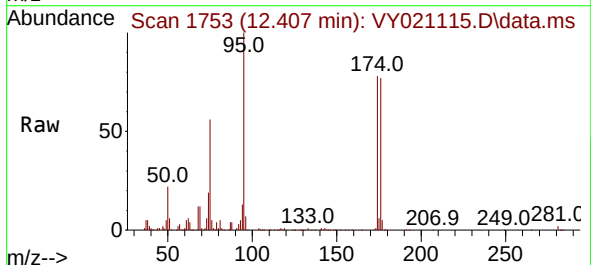
Instrument :
MSVOA_Y
ClientSampleId :

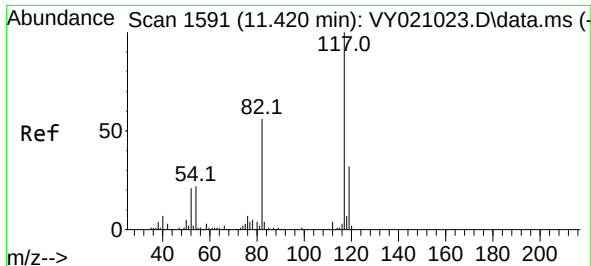
Tgt Ion: 98 Resp: 296579
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 51.660 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021115.D
Acq: 06 Feb 2025 16:45

Tgt Ion: 95 Resp: 101814
Ion Ratio Lower Upper
95 100
174 83.9 0.0 160.0
176 81.3 0.0 151.8

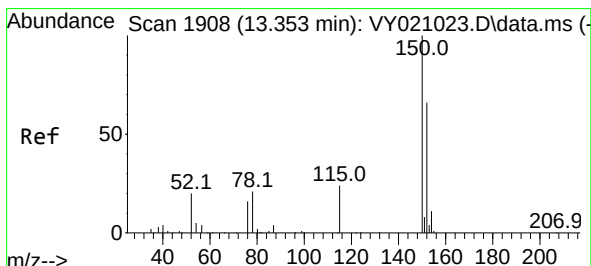
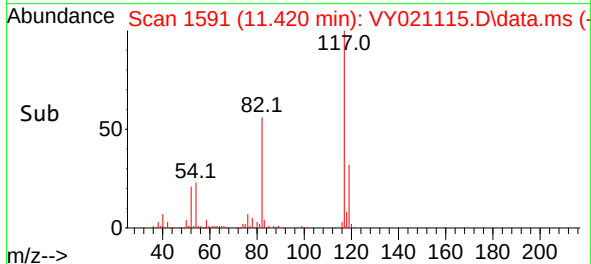
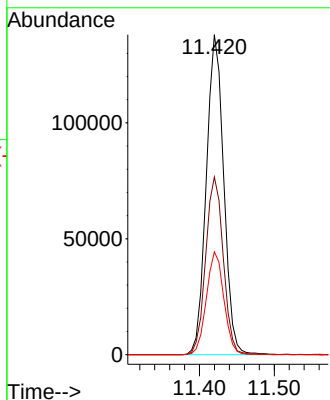
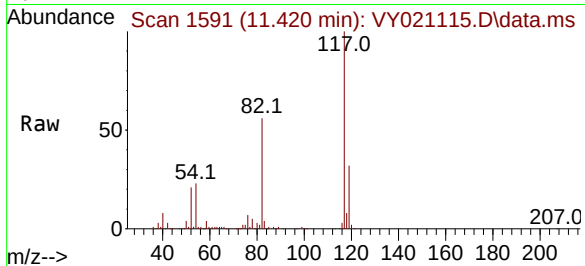




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021115.D
Acq: 06 Feb 2025 16:45

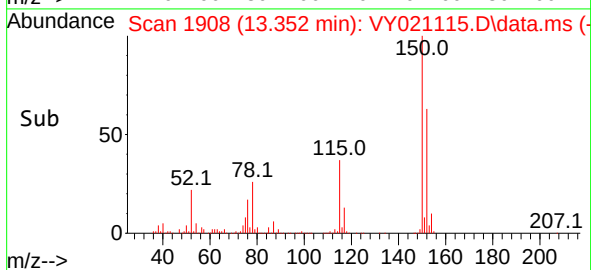
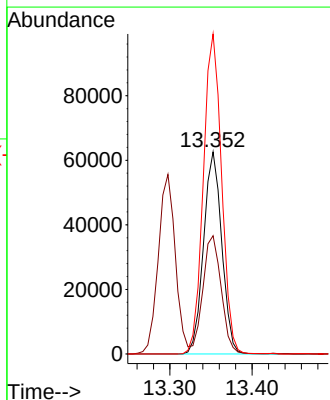
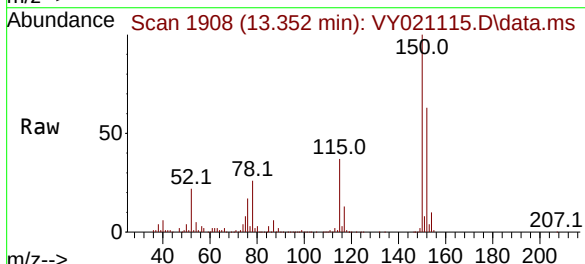
Instrument :
MSVOA_Y
ClientSampleId :

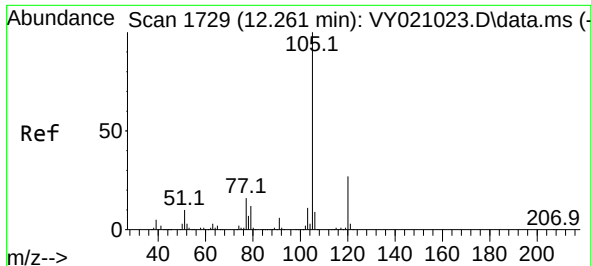
Tgt Ion:117 Resp: 223772
Ion Ratio Lower Upper
117 100
82 55.6 43.8 65.8
119 32.1 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY021115.D
Acq: 06 Feb 2025 16:45

Tgt Ion:152 Resp: 96231
Ion Ratio Lower Upper
152 100
115 58.8 30.0 90.0
150 159.0 0.0 344.6

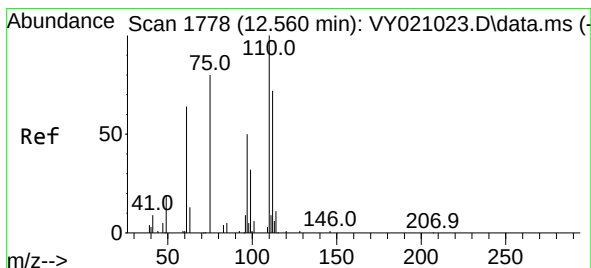
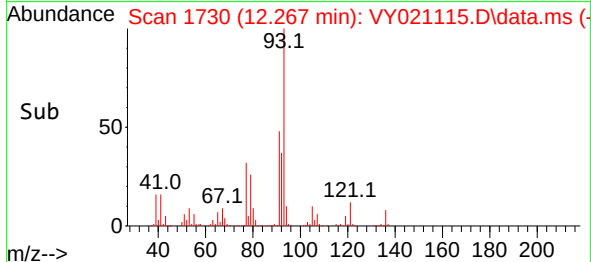
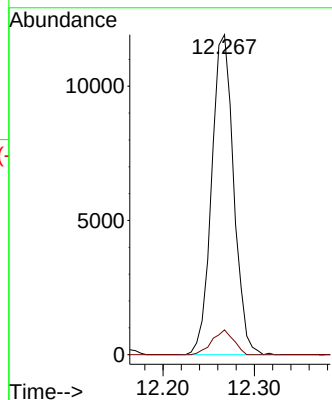
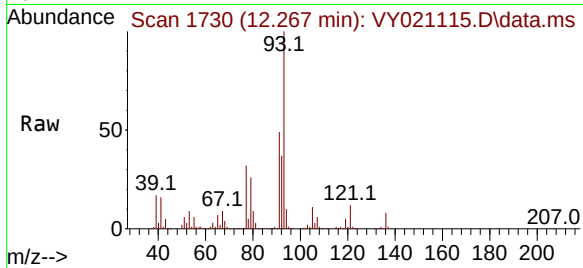




#73
Isopropylbenzene
Concen: 2.654 ug/l
RT: 12.267 min Scan# 1729
Delta R.T. 0.006 min
Lab File: VY021115.D
Acq: 06 Feb 2025 16:45

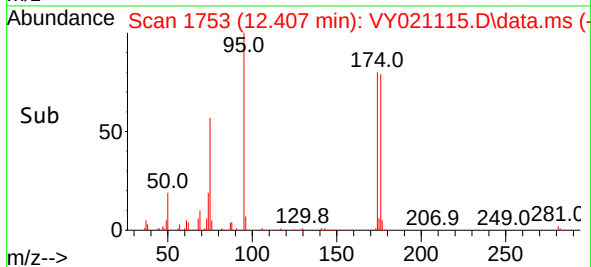
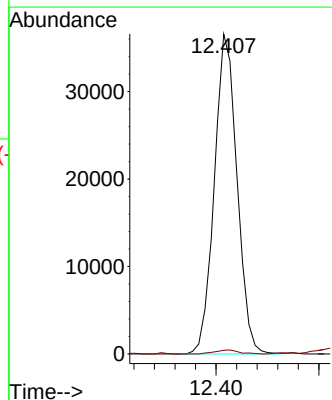
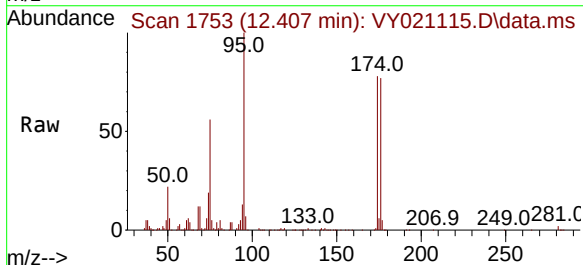
Instrument :
MSVOA_Y
ClientSampleId :

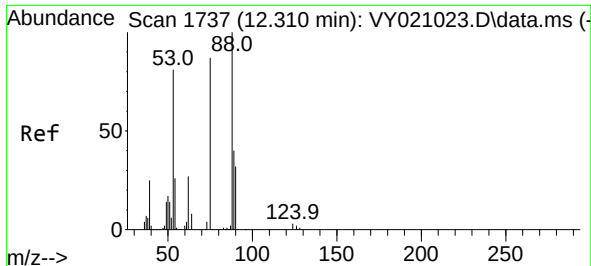
Tgt Ion:105 Resp: 19949
Ion Ratio Lower Upper
105 100
120 7.5 13.0 39.0#



#76
1,2,3-Trichloropropane
Concen: 64.188 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.153 min
Lab File: VY021115.D
Acq: 06 Feb 2025 16:45

Tgt Ion: 75 Resp: 56032
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

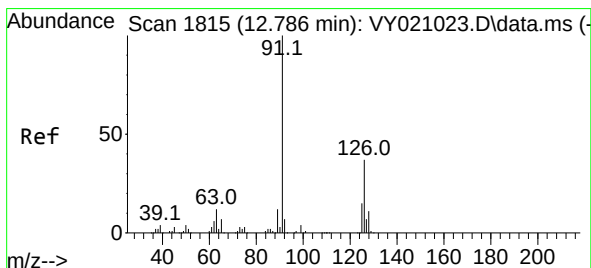
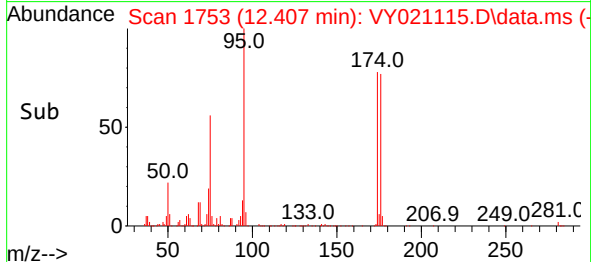
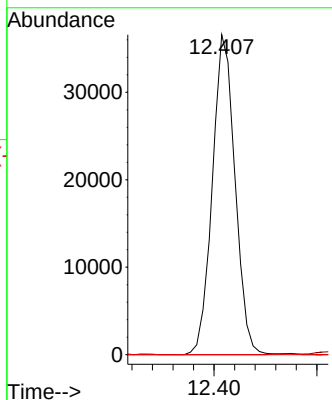
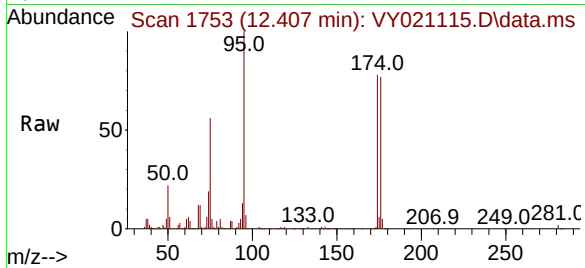




#81
trans-1,4-Dichloro-2-butene
Concen: 130.975 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.097 min
Lab File: VY021115.D
Acq: 06 Feb 2025 16:45

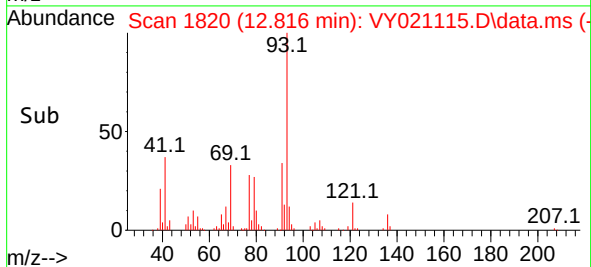
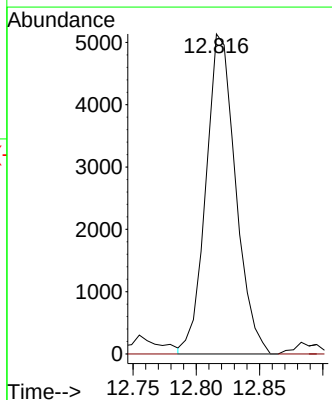
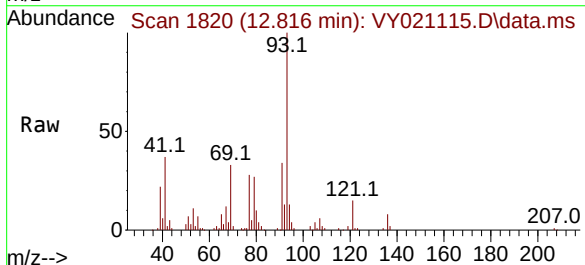
Instrument :
MSVOA_Y
ClientSampleId :

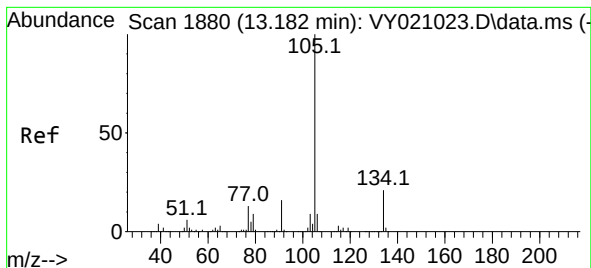
Tgt Ion: 75 Resp: 56032
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#82
4-Chlorotoluene
Concen: 1.604 ug/l
RT: 12.816 min Scan# 1820
Delta R.T. 0.030 min
Lab File: VY021115.D
Acq: 06 Feb 2025 16:45

Tgt Ion: 91 Resp: 8384
Ion Ratio Lower Upper
91 100
126 0.0 17.1 51.2#





#85

sec-Butylbenzene

Concen: 4.920 ug/l

RT: 13.298 min Scan# 1899

Delta R.T. 0.116 min

Lab File: VY021115.D

Acq: 06 Feb 2025 16:45

Instrument :

MSVOA_Y

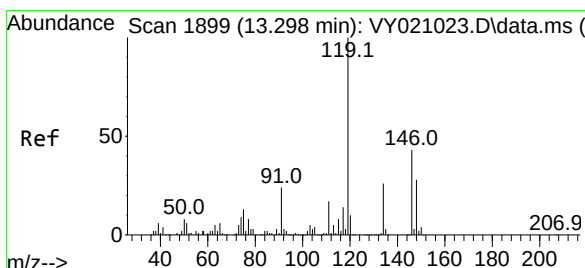
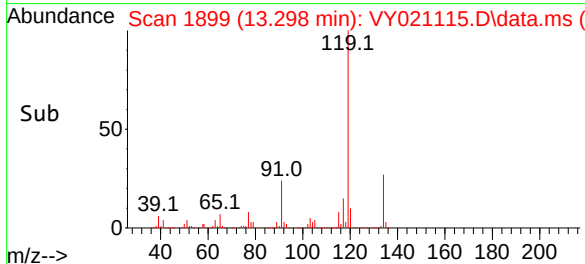
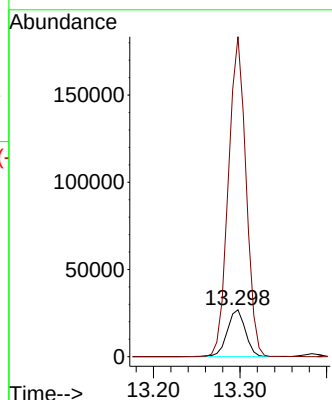
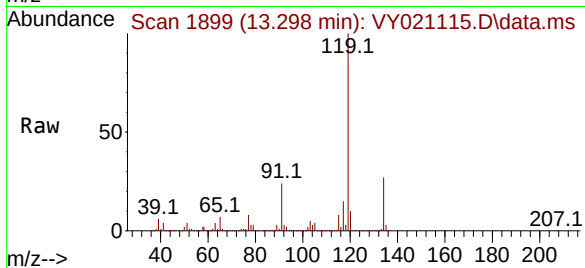
ClientSampleId :

Tgt Ion:105 Resp: 39231

Ion Ratio Lower Upper

105 100

134 664.0 9.7 28.9#



#86

p-Isopropyltoluene

Concen: 151.225 ug/l

RT: 13.298 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VY021115.D

Acq: 06 Feb 2025 16:45

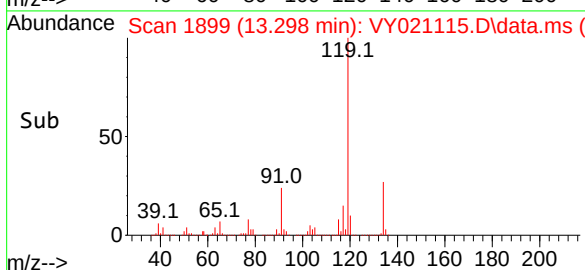
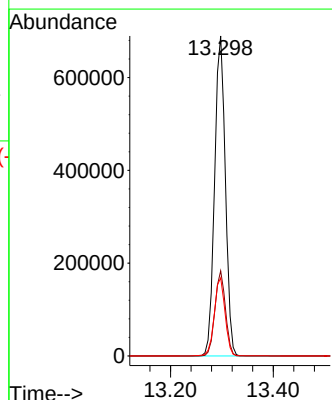
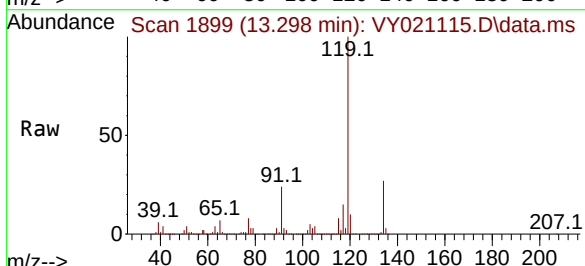
Tgt Ion:119 Resp: 1001714

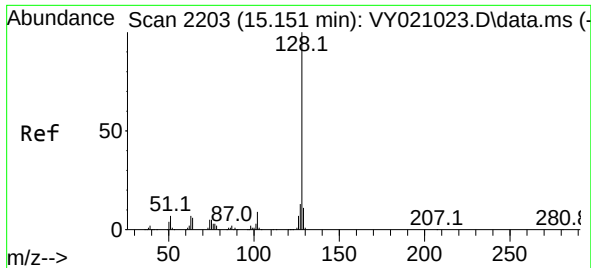
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.1

91 24.5 11.7 35.0





#95

Naphthalene

Concen: 1.278 ug/l

RT: 15.151 min Scan# 21

Delta R.T. -0.000 min

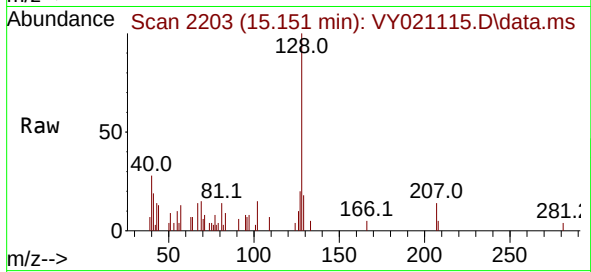
Lab File: VY021115.D

Acq: 06 Feb 2025 16:45

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 3309

Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.2	15.4
129	11.5	8.6	12.8

128 100

127 11.7 10.2 15.4

129 11.5 8.6 12.8

