

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020625\
 Data File : VY021113.D
 Acq On : 06 Feb 2025 15:58
 Operator : SY/MD
 Sample : Q1287-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 07 02:33:38 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)

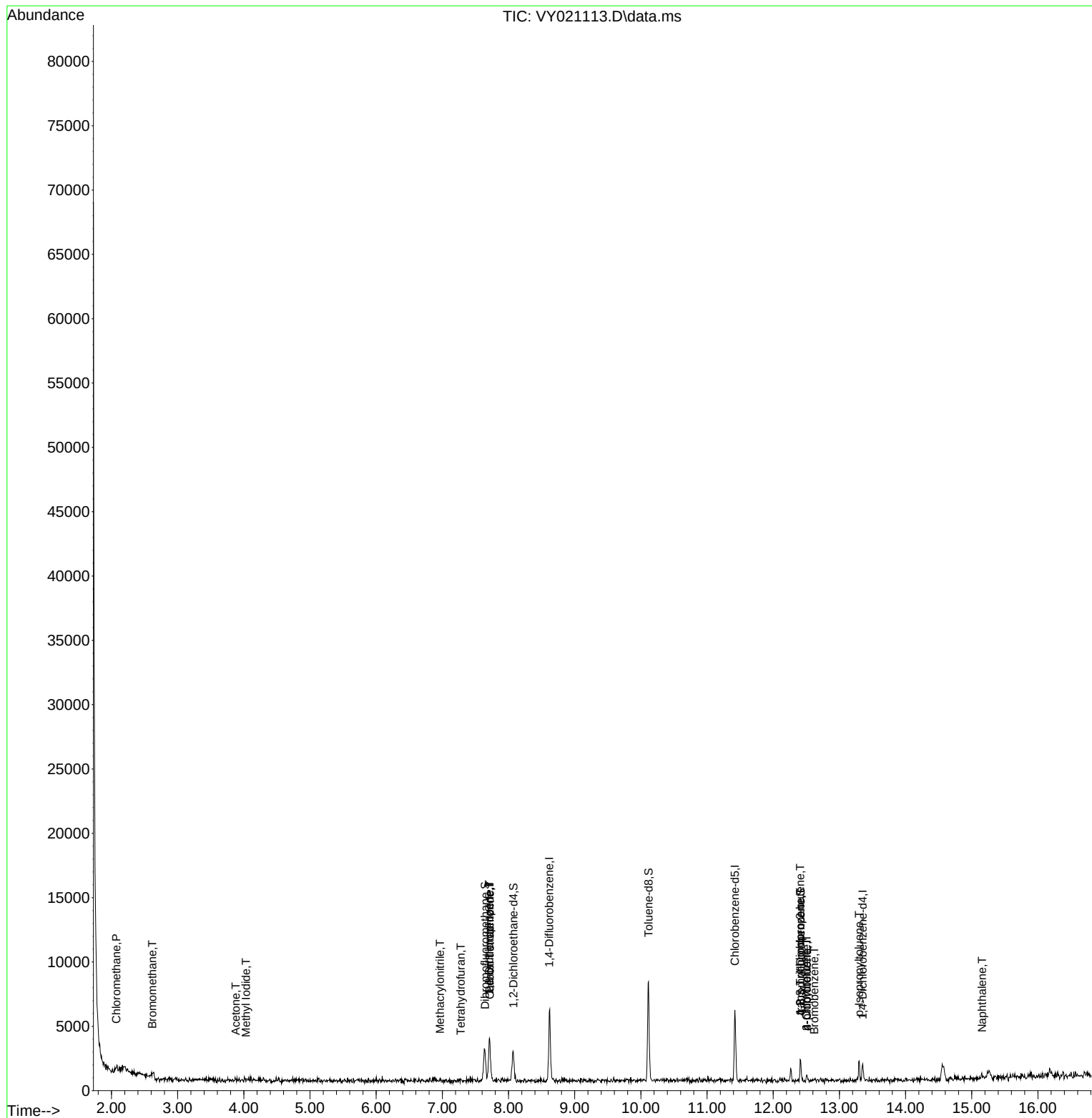
Internal Standards						
1) Pentafluorobenzene	7.713	168	3112	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	4819	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	3112	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	1992	62.475	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.940%			
35) Dibromofluoromethane	7.646	113	1930	62.493	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 124.980%			
50) Toluene-d8	10.115	98	5426	46.149	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 92.300%			
62) 4-Bromofluorobenzene	12.414	95	583	15.178	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 30.360%			
Target Compounds						Qvalue
3) Chloromethane	2.074	50	138	5.042	ug/l	# 68
5) Bromomethane	2.617	94	136	7.987	ug/l	# 75
10) Methyl Iodide	4.031	142	316	9.030	ug/l	# 40
16) Acetone	3.879	43	185	37.205	ug/l	# 41
29) Tetrahydrofuran	7.280	42	44	7.958	ug/l	# 32
36) 1,1-Dichloropropene	7.707	75	109	2.383	ug/l	# 42
38) Carbon Tetrachloride	7.719	117	274	5.126	ug/l	# 12
41) Methacrylonitrile	6.963	41	63	5.427	ug/l	# 23
76) 1,2,3-Trichloropropane	12.408	75	226	60.324	ug/l	# 100
77) Bromobenzene	12.621	156	89	11.955	ug/l	# 1
78) n-propylbenzene	12.505	91	75	1.952	ug/l	# 54
79) 2-Chlorotoluene	12.505	91	75	3.407	ug/l	# 41
81) trans-1,4-Dichloro-2-b...	12.408	75	226	123.090	ug/l	# 12
82) 4-Chlorotoluene	12.505	91	75	3.344	ug/l	# 41
86) p-Isopropyltoluene	13.298	119	1033	36.337	ug/l	90
95) Naphthalene	15.157	128	653	58.772	ug/l	# 69

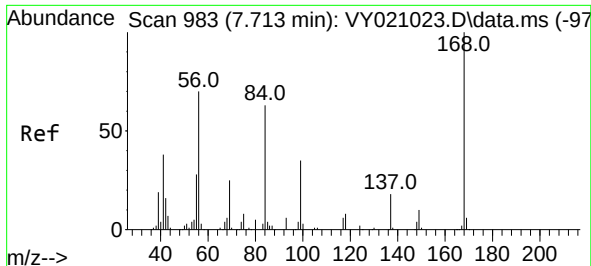
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 07 02:33:38 2025
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Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
Response via : Initial Calibration

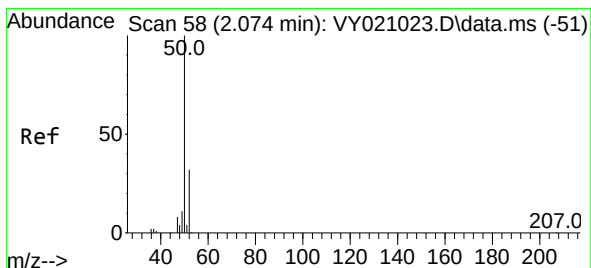
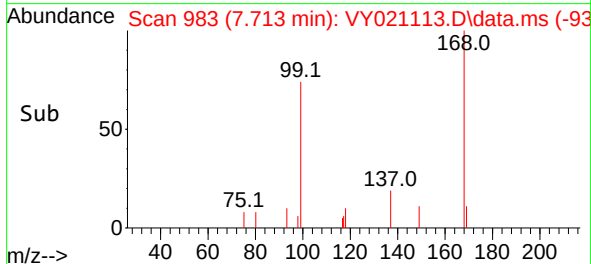
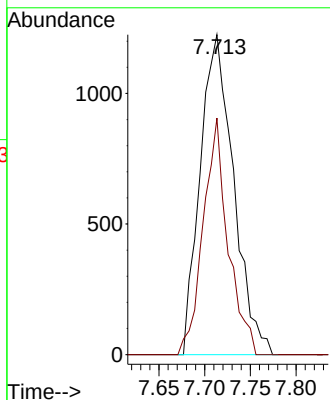
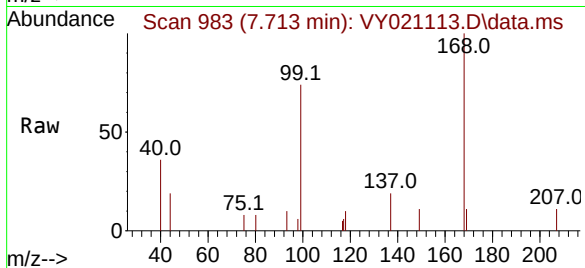




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021113.D
Acq: 06 Feb 2025 15:58

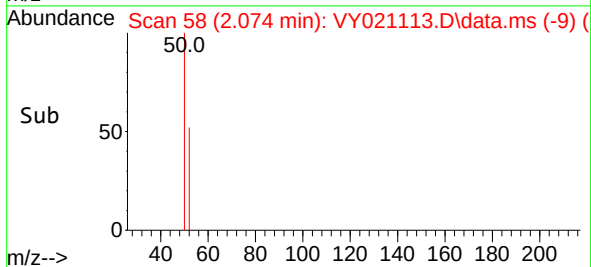
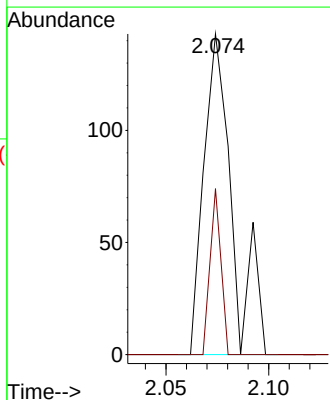
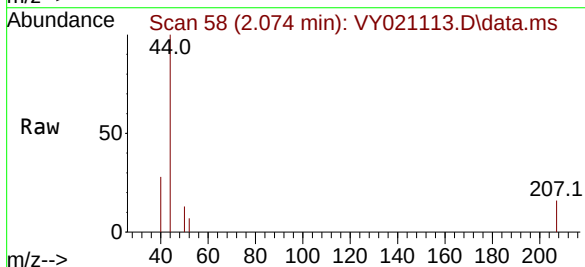
Instrument :
MSVOA_Y
ClientSampleId :

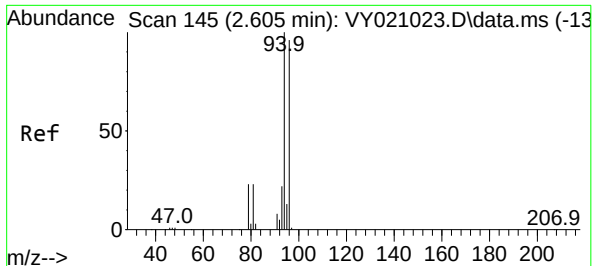
Tgt Ion:168 Resp: 3112
Ion Ratio Lower Upper
168 100
99 74.0 44.2 66.4#



#3
Chloromethane
Concen: 5.042 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.000 min
Lab File: VY021113.D
Acq: 06 Feb 2025 15:58

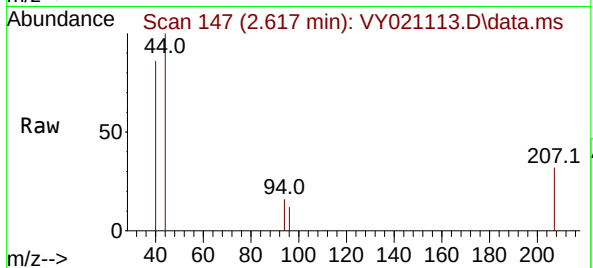
Tgt Ion: 50 Resp: 138
Ion Ratio Lower Upper
50 100
52 51.7 26.7 40.1#



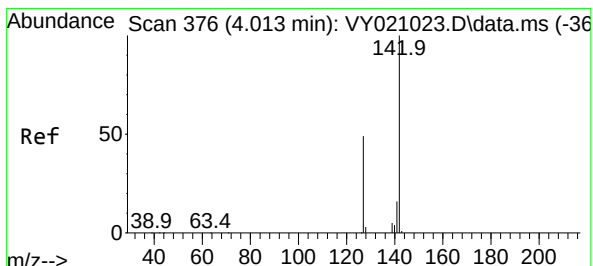
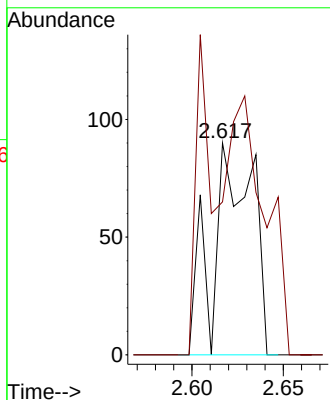
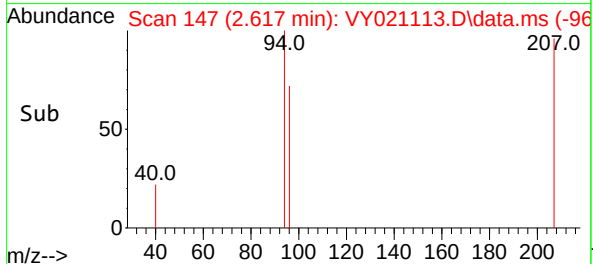


#5
Bromomethane
Concen: 7.987 ug/l
RT: 2.617 min Scan# 145
Delta R.T. 0.012 min
Lab File: VY021113.D
Acq: 06 Feb 2025 15:58

Instrument :
MSVOA_Y
ClientSampleId :

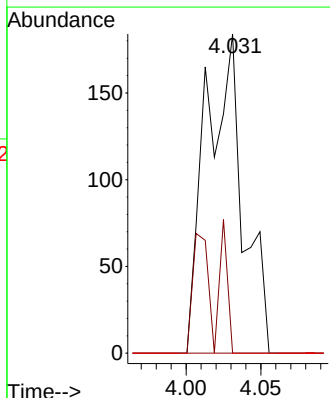
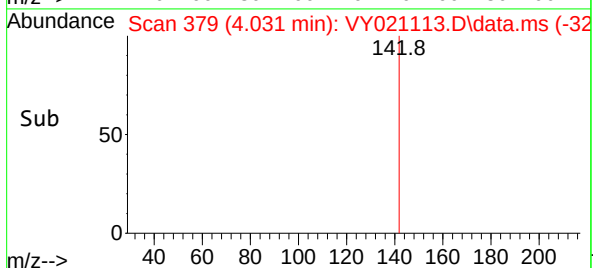
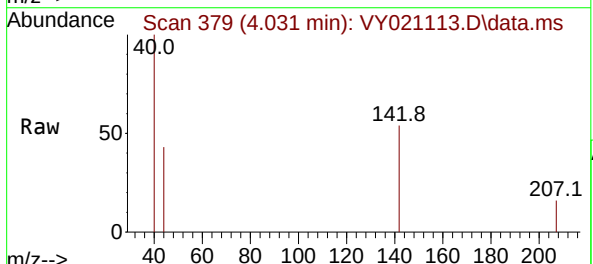


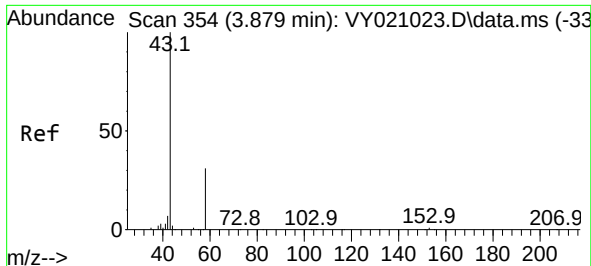
Tgt Ion: 94 Resp: 136
Ion Ratio Lower Upper
94 100
96 72.2 77.3 115.9#



#10
Methyl Iodide
Concen: 9.030 ug/l
RT: 4.031 min Scan# 379
Delta R.T. 0.018 min
Lab File: VY021113.D
Acq: 06 Feb 2025 15:58

Tgt Ion:142 Resp: 316
Ion Ratio Lower Upper
142 100
127 0.0 35.1 52.7#
141 0.0 11.8 17.6#

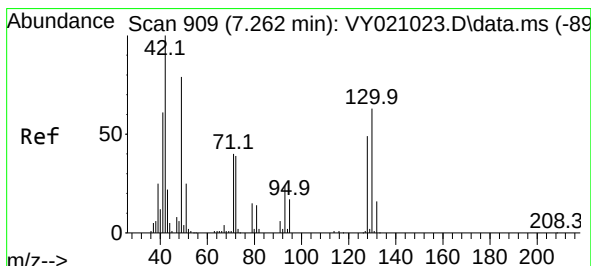
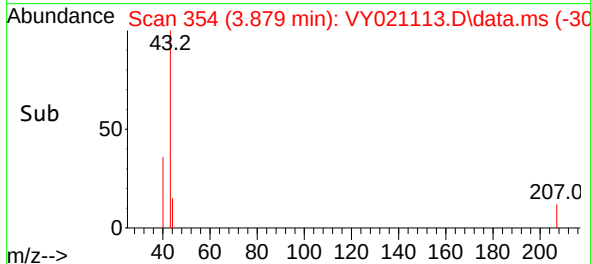
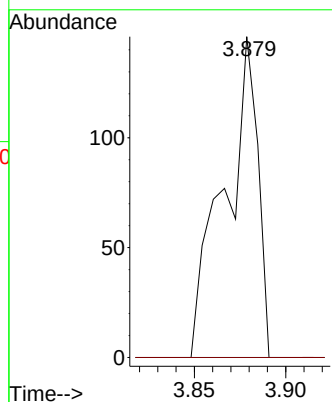
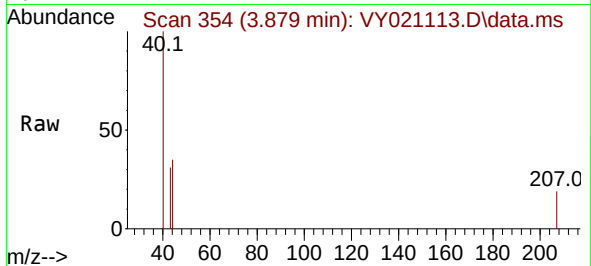




#16
Acetone
Concen: 37.205 ug/l
RT: 3.879 min Scan# 311
Delta R.T. -0.000 min
Lab File: VY021113.D
Acq: 06 Feb 2025 15:58

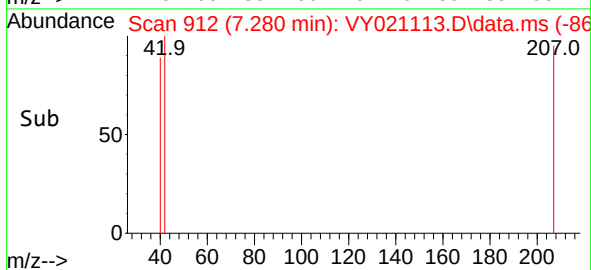
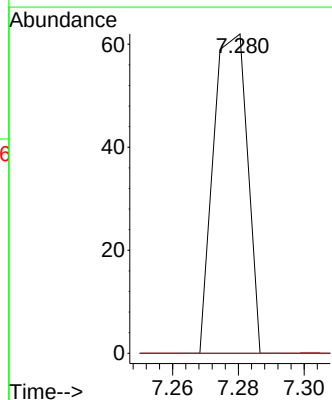
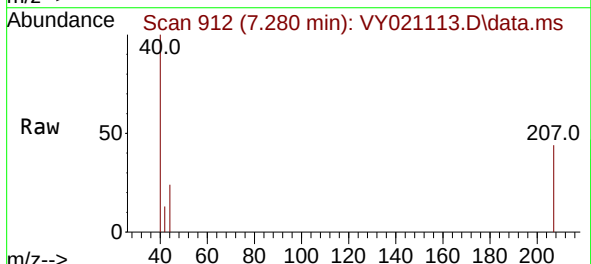
Instrument :
MSVOA_Y
ClientSampleId :

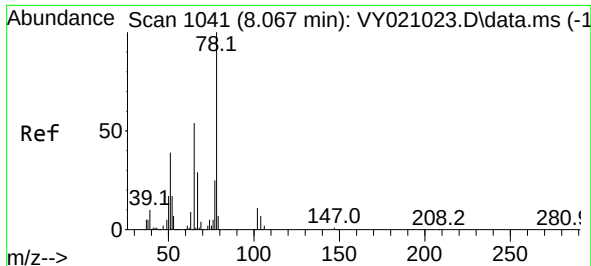
Tgt Ion: 43 Resp: 185
Ion Ratio Lower Upper
43 100
58 0.0 26.6 39.8#



#29
Tetrahydrofuran
Concen: 7.958 ug/l
RT: 7.280 min Scan# 912
Delta R.T. 0.018 min
Lab File: VY021113.D
Acq: 06 Feb 2025 15:58

Tgt Ion: 42 Resp: 44
Ion Ratio Lower Upper
42 100
72 0.0 36.6 54.8#
71 0.0 33.8 50.6#





#33

1,2-Dichloroethane-d4

Concen: 62.475 ug/l

RT: 8.073 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY021113.D

Acq: 06 Feb 2025 15:58

Instrument :

MSVOA_Y

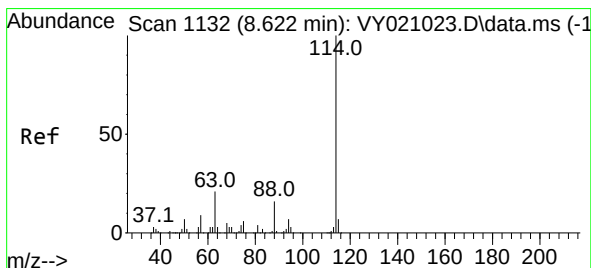
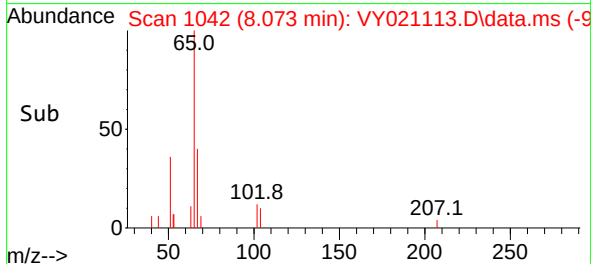
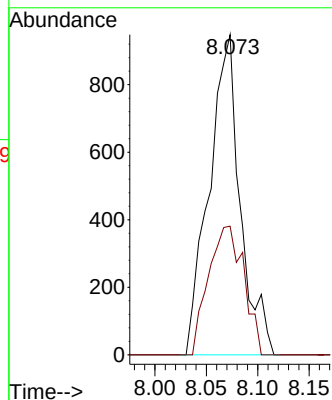
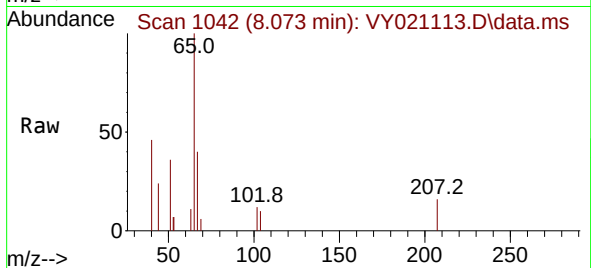
ClientSampleId :

Tgt Ion: 65 Resp: 1992

Ion Ratio Lower Upper

65 100

67 45.6 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021113.D

Acq: 06 Feb 2025 15:58

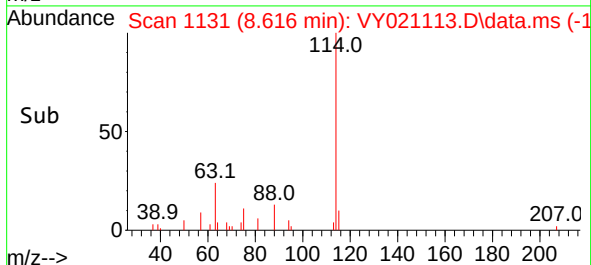
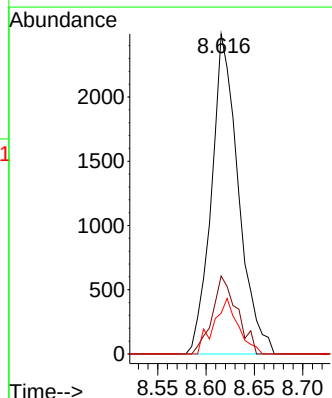
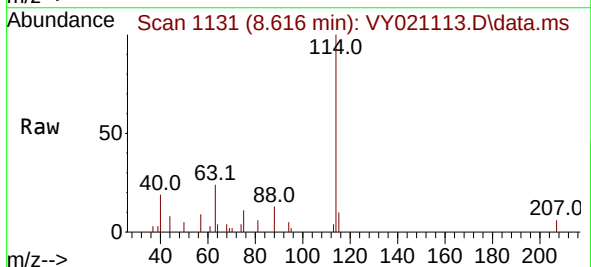
Tgt Ion: 114 Resp: 4819

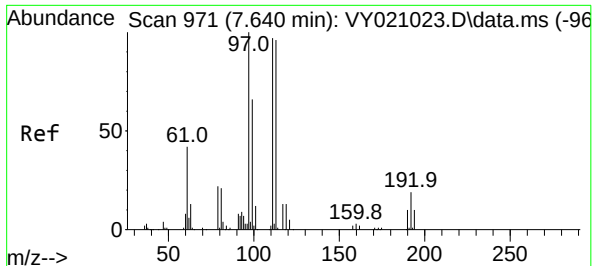
Ion Ratio Lower Upper

114 100

63 24.3 0.0 37.4

88 12.8 0.0 29.0

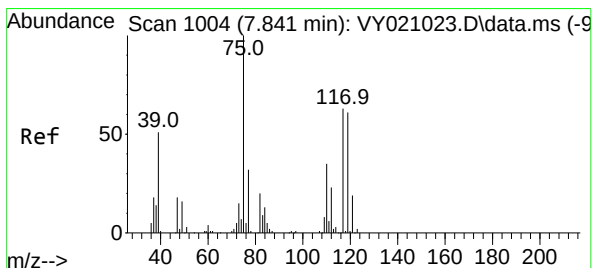
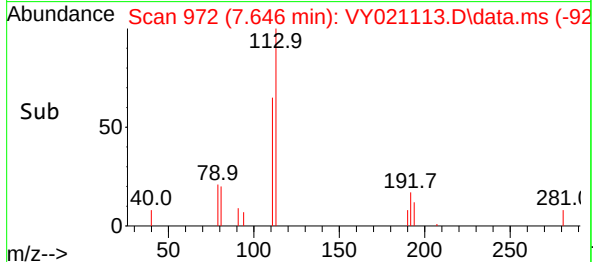
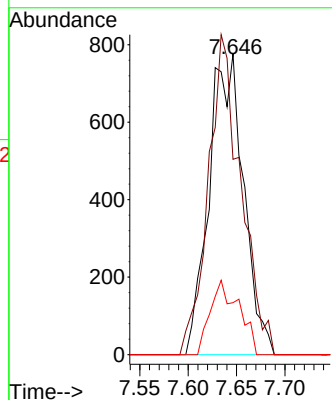
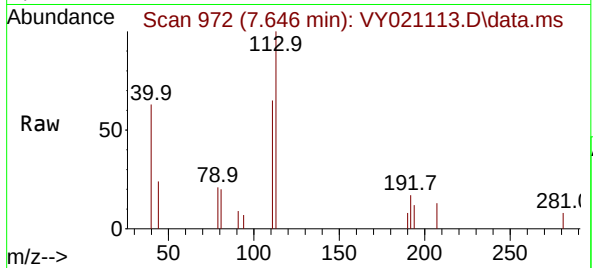




#35
Dibromofluoromethane
Concen: 62.493 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021113.D
Acq: 06 Feb 2025 15:58

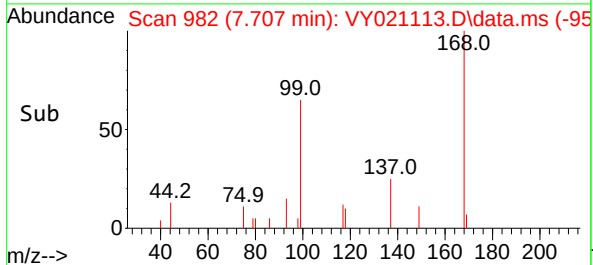
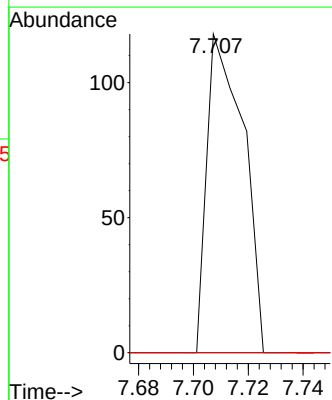
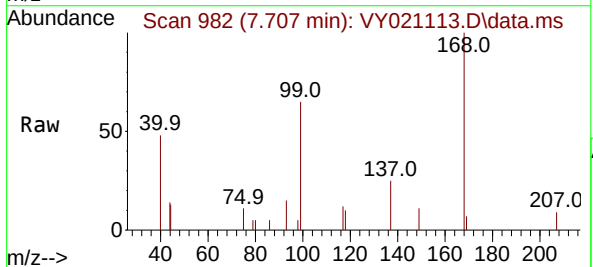
Instrument :
MSVOA_Y
ClientSampleId :

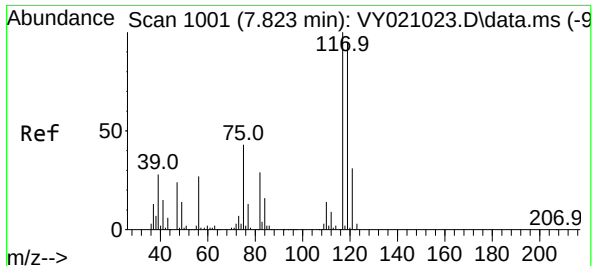
Tgt Ion:113 Resp: 1930
Ion Ratio Lower Upper
113 100
111 99.6 83.8 125.6
192 20.5 14.5 21.7



#36
1,1-Dichloropropene
Concen: 2.383 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY021113.D
Acq: 06 Feb 2025 15:58

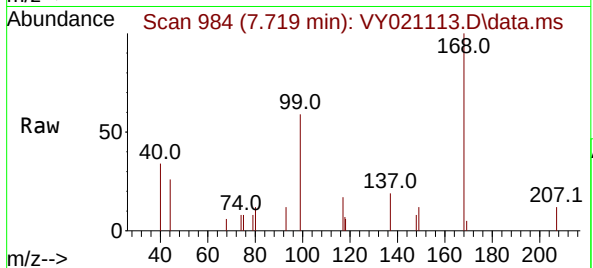
Tgt Ion: 75 Resp: 109
Ion Ratio Lower Upper
75 100
110 0.0 17.4 52.3#
77 0.0 24.7 37.1#



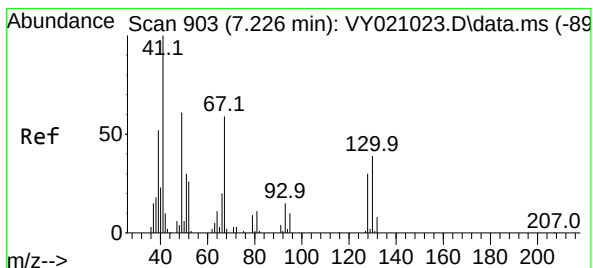
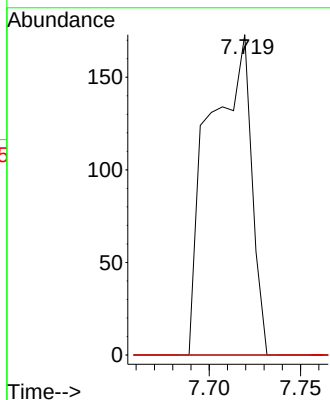
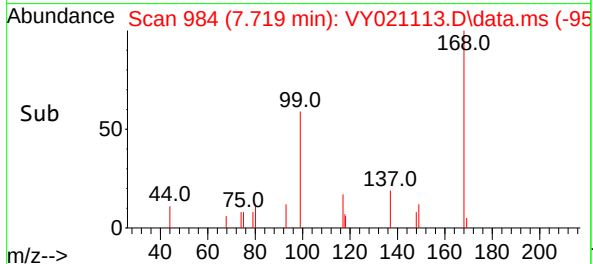


#38
Carbon Tetrachloride
Concen: 5.126 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY021113.D
Acq: 06 Feb 2025 15:58

Instrument :
MSVOA_Y
ClientSampleId :

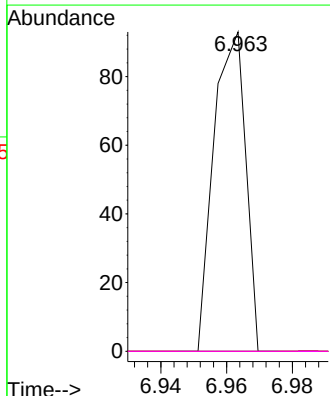
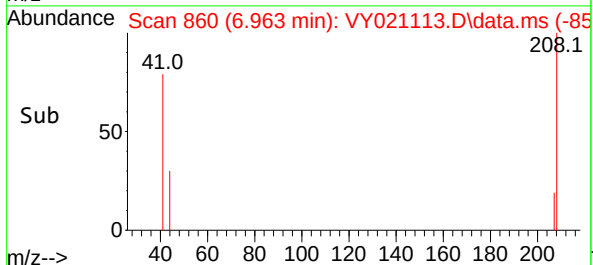
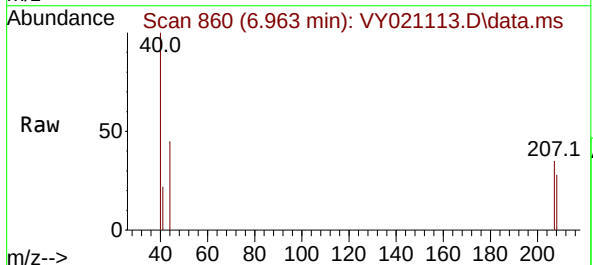


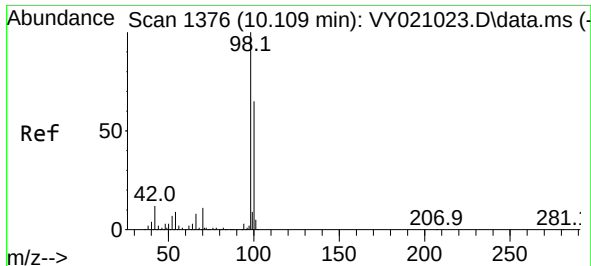
Tgt Ion:117 Resp: 274
Ion Ratio Lower Upper
117 100
119 0.0 76.0 114.0#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 5.427 ug/l
RT: 6.963 min Scan# 860
Delta R.T. -0.262 min
Lab File: VY021113.D
Acq: 06 Feb 2025 15:58

Tgt Ion: 41 Resp: 63
Ion Ratio Lower Upper
41 100
39 0.0 41.9 62.9#
67 0.0 59.8 89.6#
52 0.0 24.8 37.2#

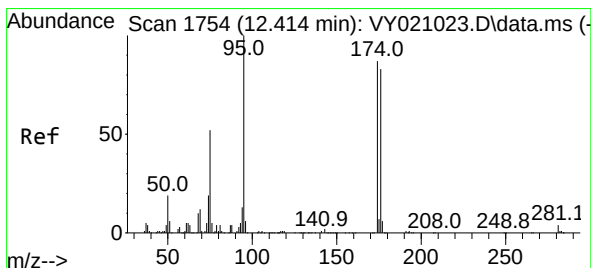
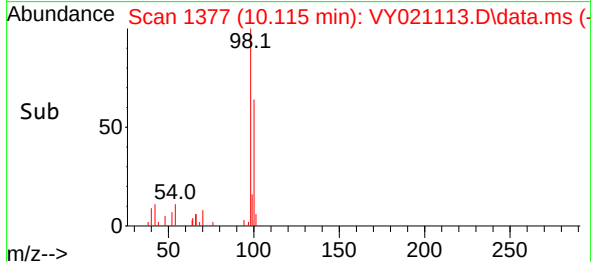
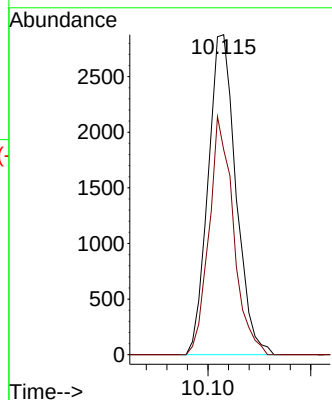
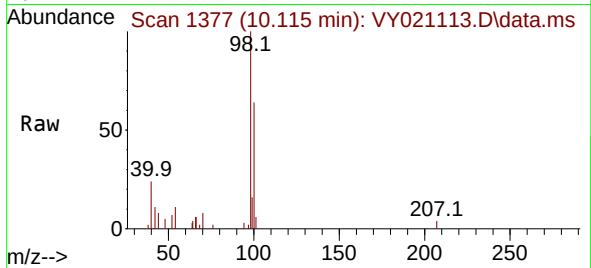




#50
Toluene-d8
Concen: 46.149 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021113.D
Acq: 06 Feb 2025 15:58

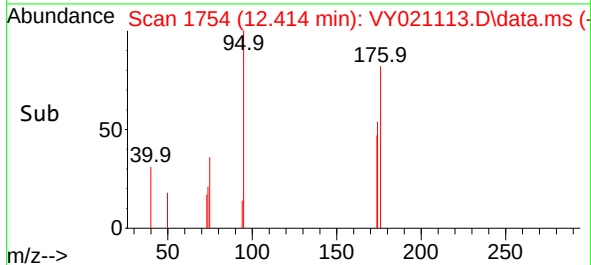
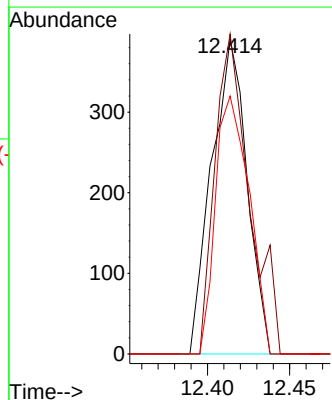
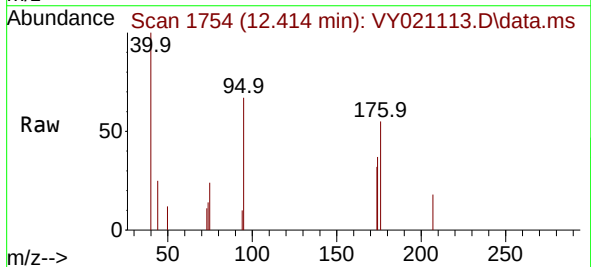
Instrument :
MSVOA_Y
ClientSampleId :

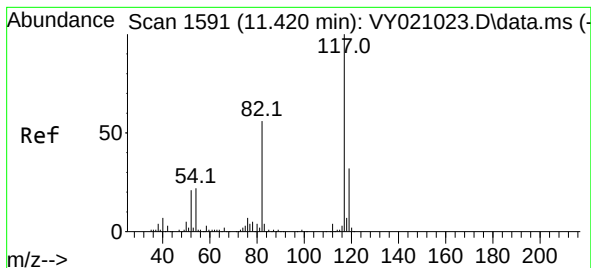
Tgt Ion: 98 Resp: 5426
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 15.178 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021113.D
Acq: 06 Feb 2025 15:58

Tgt Ion: 95 Resp: 583
Ion Ratio Lower Upper
95 100
174 98.5 0.0 160.0
176 78.2 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: VY021113.D

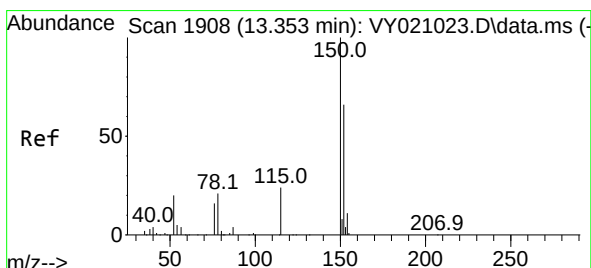
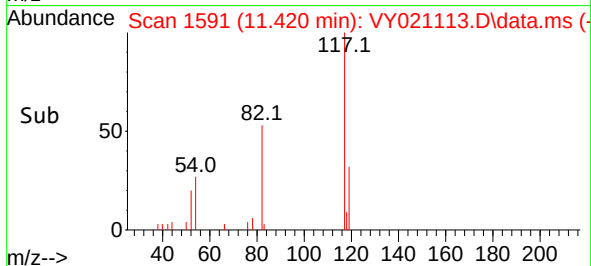
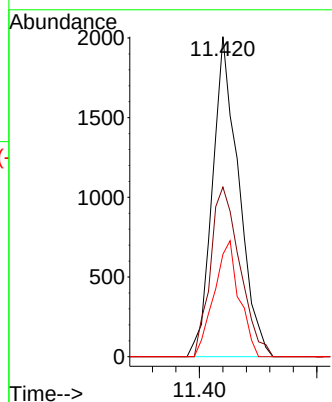
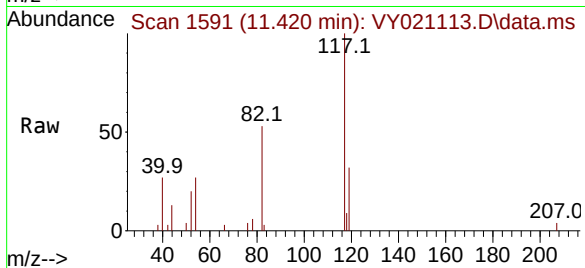
Acq: 06 Feb 2025 15:58

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	3112
Ion	Ratio	Lower Upper
117	100	
82	53.0	43.8 65.8
119	32.0	26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

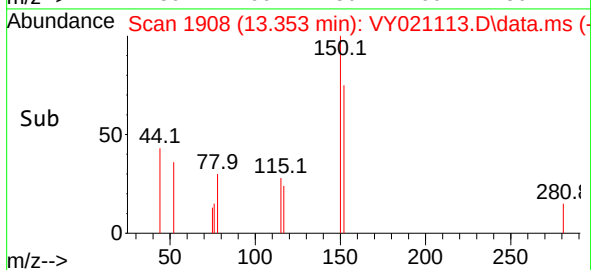
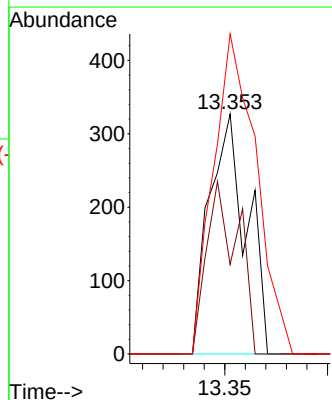
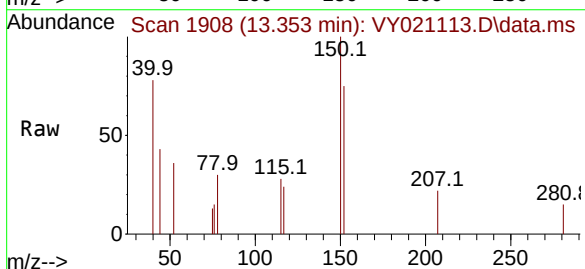
RT: 13.353 min Scan# 1908

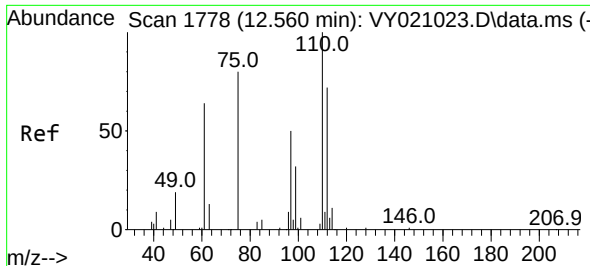
Delta R.T. -0.000 min

Lab File: VY021113.D

Acq: 06 Feb 2025 15:58

Tgt Ion:152	Resp:	413
Ion	Ratio	Lower Upper
152	100	
115	60.8	30.0 90.0
150	153.0	0.0 344.6

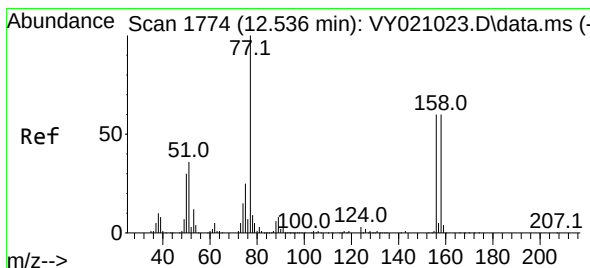
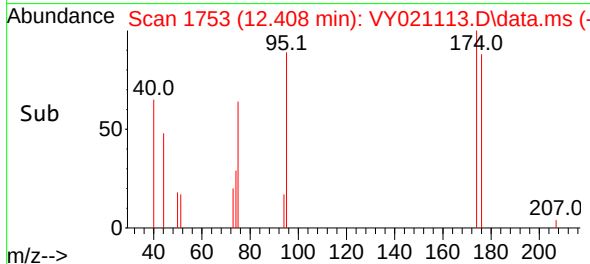
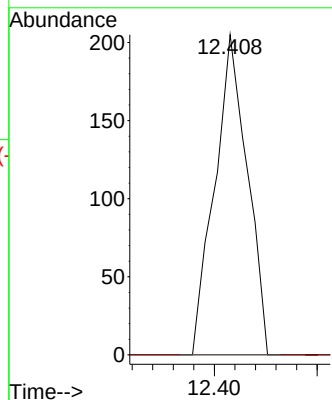
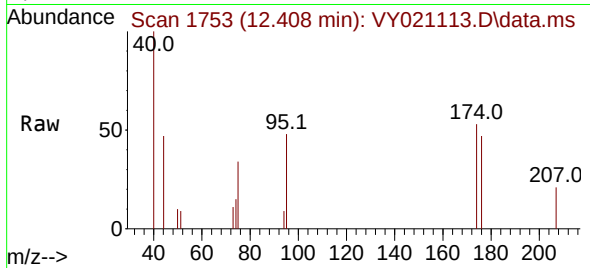




#76
1,2,3-Trichloropropane
Concen: 60.324 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.153 min
Lab File: VY021113.D
Acq: 06 Feb 2025 15:58

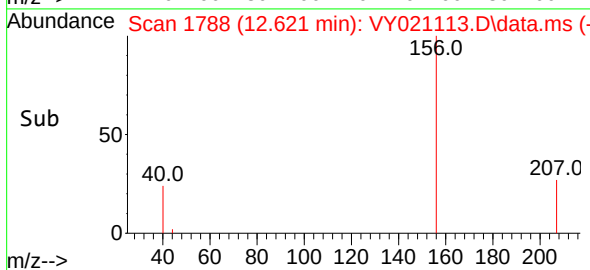
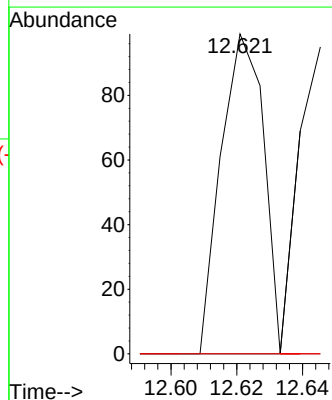
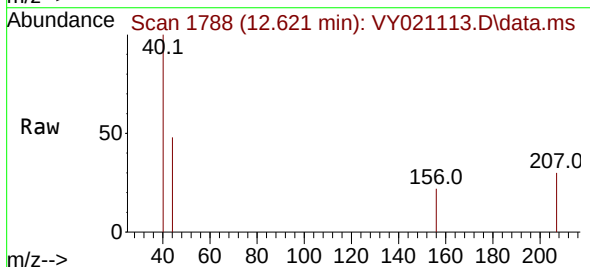
Instrument :
MSVOA_Y
ClientSampleId :

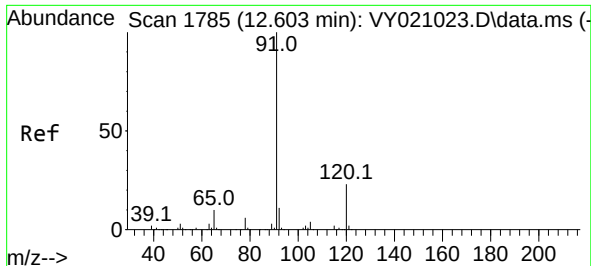
Tgt Ion: 75 Resp: 226
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 11.955 ug/l
RT: 12.621 min Scan# 1788
Delta R.T. 0.085 min
Lab File: VY021113.D
Acq: 06 Feb 2025 15:58

Tgt Ion: 156 Resp: 89
Ion Ratio Lower Upper
156 100
77 0.0 97.3 291.8#
158 0.0 48.4 145.0#

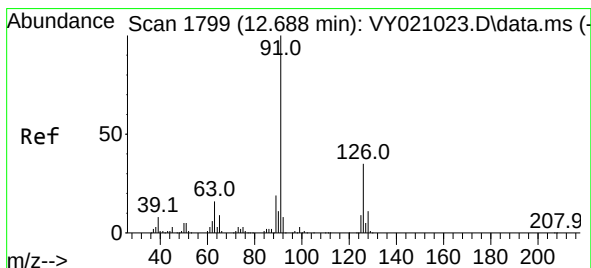
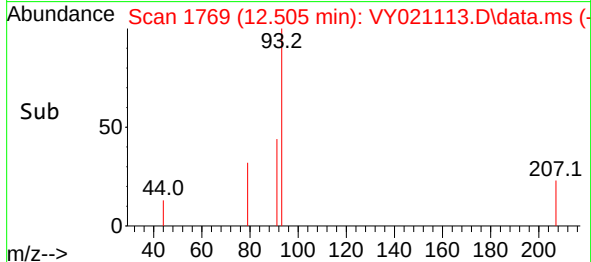
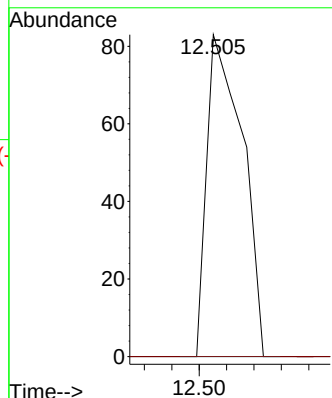
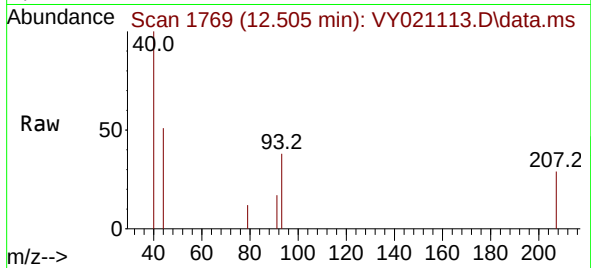




#78
n-propylbenzene
Concen: 1.952 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.098 min
Lab File: VY021113.D
Acq: 06 Feb 2025 15:58

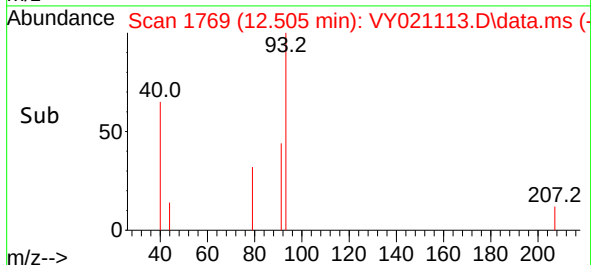
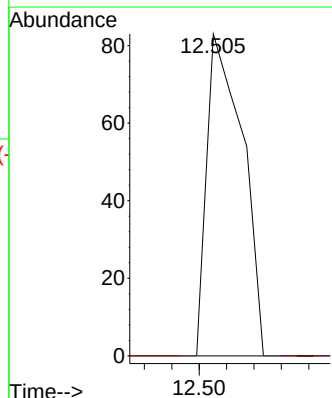
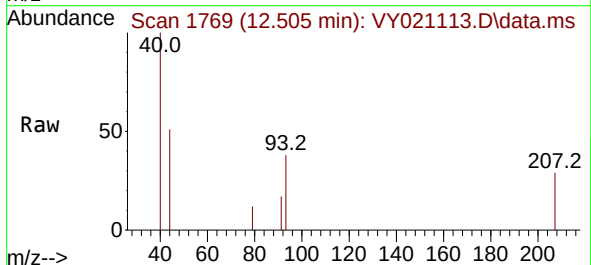
Instrument :
MSVOA_Y
ClientSampleId :

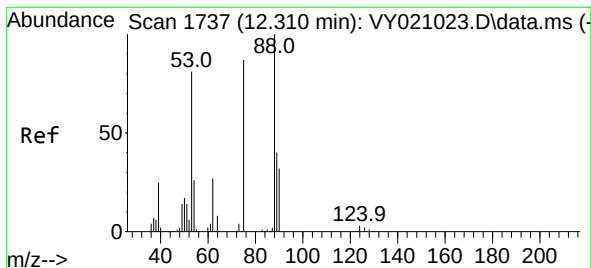
Tgt Ion: 91 Resp: 75
Ion Ratio Lower Upper
91 100
120 0.0 11.0 33.0#



#79
2-Chlorotoluene
Concen: 3.407 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.183 min
Lab File: VY021113.D
Acq: 06 Feb 2025 15:58

Tgt Ion: 91 Resp: 75
Ion Ratio Lower Upper
91 100
126 0.0 17.0 51.0#

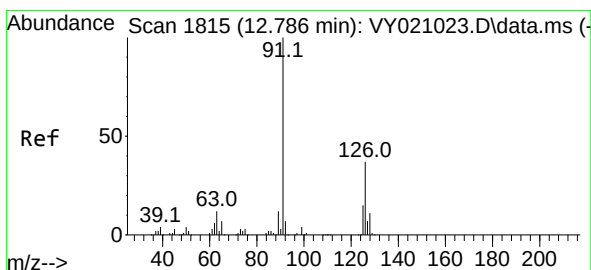
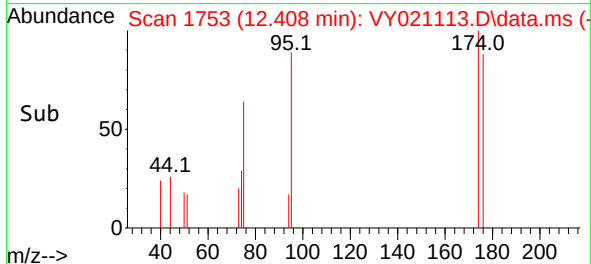
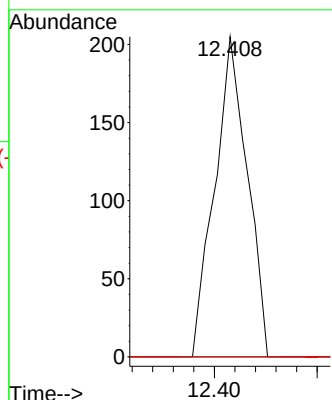
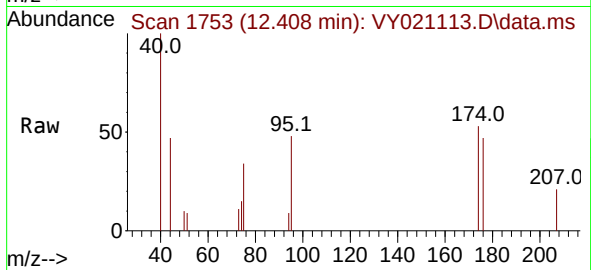




#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.090 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.097 min
 Lab File: VY021113.D
 Acq: 06 Feb 2025 15:58

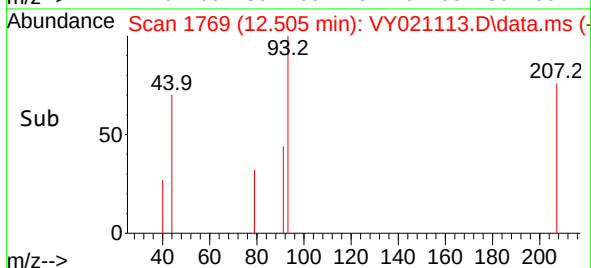
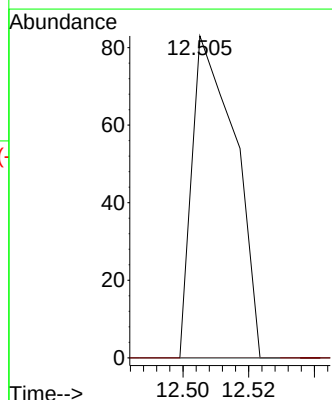
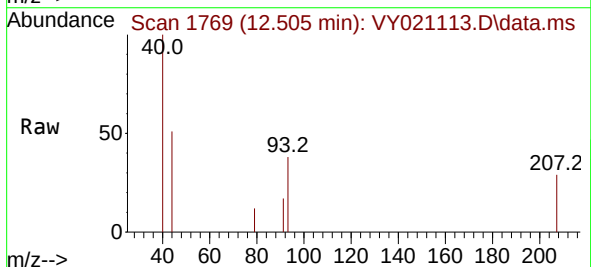
Instrument :
 MSVOA_Y
 ClientSampleId :

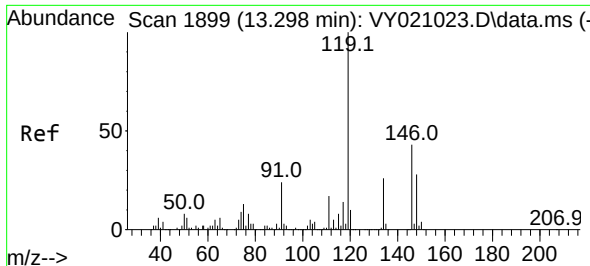
Tgt Ion: 75 Resp: 226
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.0 36.5 54.7#



#82
 4-Chlorotoluene
 Concen: 3.344 ug/l
 RT: 12.505 min Scan# 1769
 Delta R.T. -0.281 min
 Lab File: VY021113.D
 Acq: 06 Feb 2025 15:58

Tgt Ion: 91 Resp: 75
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.1 51.2#

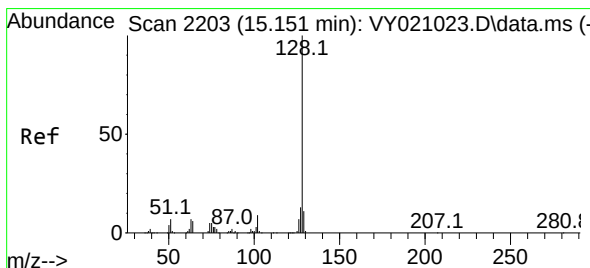
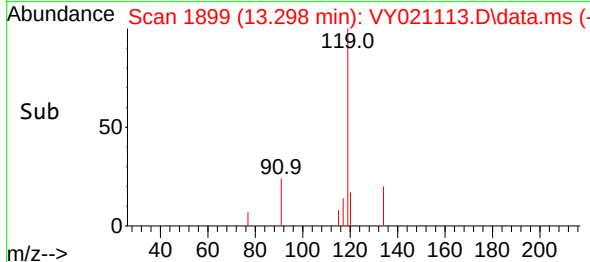
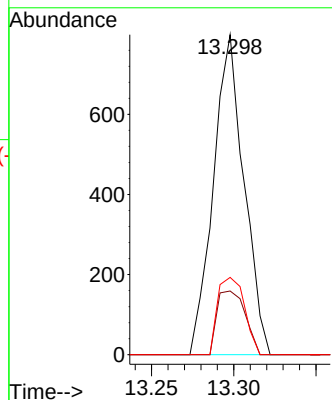
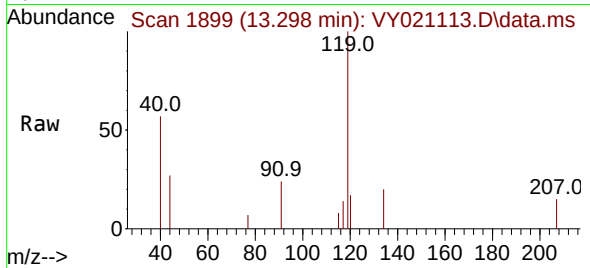




#86
p-Isopropyltoluene
Concen: 36.337 ug/l
RT: 13.298 min Scan# 119
Delta R.T. -0.000 min
Lab File: VY021113.D
Acq: 06 Feb 2025 15:58

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:119 Resp: 1033
Ion Ratio Lower Upper
119 100
134 18.3 13.1 39.1
91 21.2 11.7 35.0



#95
Naphthalene
Concen: 58.772 ug/l
RT: 15.157 min Scan# 2204
Delta R.T. 0.006 min
Lab File: VY021113.D
Acq: 06 Feb 2025 15:58

Tgt Ion:128 Resp: 653
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

