

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
 Data File : VY021362.D
 Acq On : 27 Feb 2025 16:45
 Operator : SY/MD
 Sample : Q1420-07
 Misc : 5.79g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 28 00:43:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

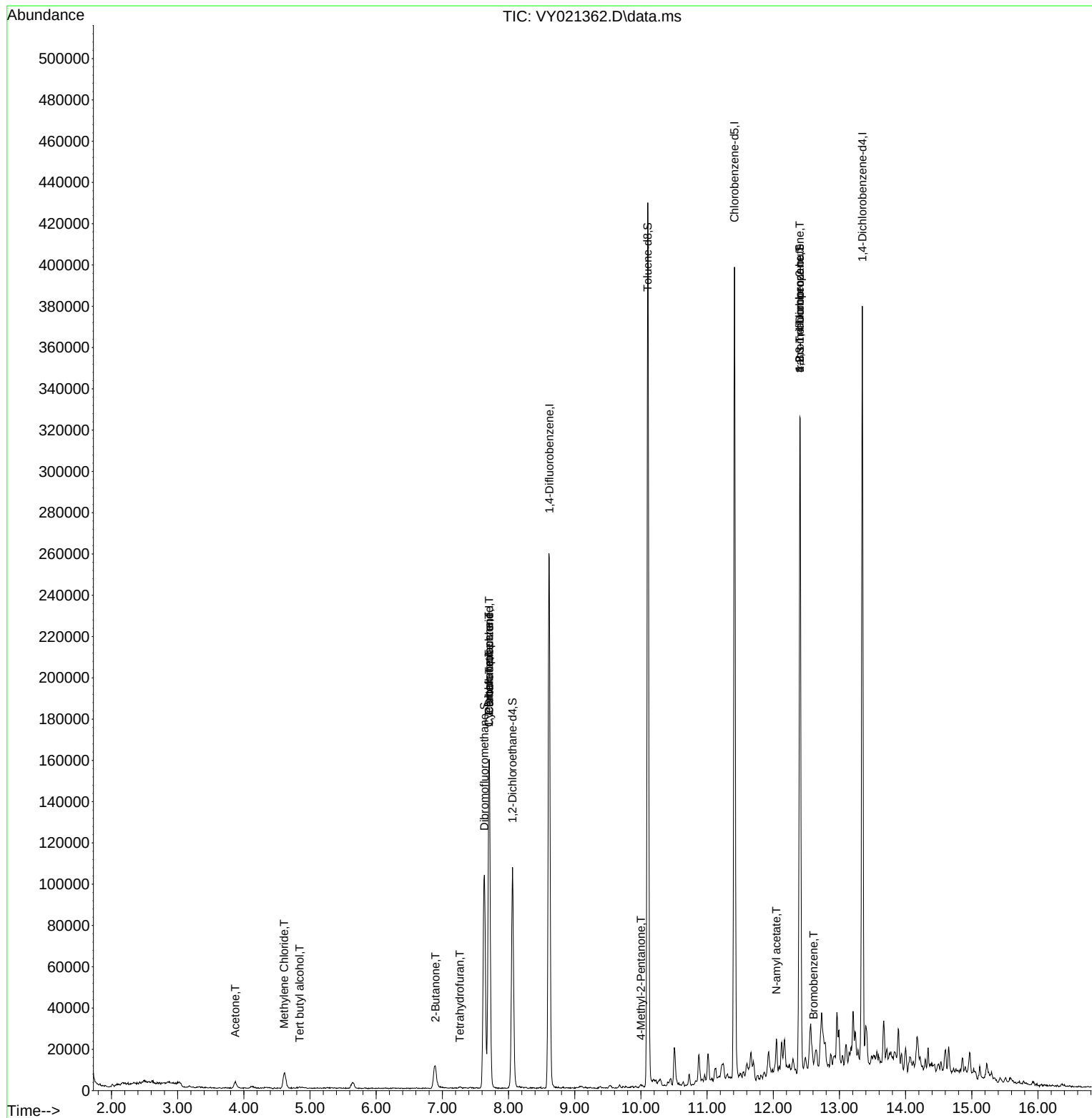
Internal Standards						
1) Pentafluorobenzene	7.707	168	122419	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	215902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	201412	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	86351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	83842	60.373	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.740%	
35) Dibromofluoromethane	7.634	113	74713	52.783	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.560%	
50) Toluene-d8	10.103	98	266250	48.671	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.340%	
62) 4-Bromofluorobenzene	12.401	95	90669	49.249	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.500%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.842	59	688	6.441	ug/l #	72
16) Acetone	3.872	43	5332	20.016	ug/l	97
20) Methylene Chloride	4.610	84	5176	3.593	ug/l	98
25) 2-Butanone	6.896	43	2140	5.323	ug/l	93
29) Tetrahydrofuran	7.262	42	463	1.762	ug/l #	64
31) Cyclohexane	7.701	56	2939	1.200	ug/l #	18
36) 1,1-Dichloropropene	7.701	75	10037	4.721	ug/l #	50
38) Carbon Tetrachloride	7.707	117	12991	5.435	ug/l #	15
51) 4-Methyl-2-Pentanone	9.999	43	1089	1.039	ug/l #	65
74) N-amyl acetate	12.048	43	3580	2.170	ug/l #	74
76) 1,2,3-Trichloropropane	12.401	75	49662	57.457	ug/l #	100
77) Bromobenzene	12.609	156	4608	3.052	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.401	75	49662	127.707	ug/l #	11

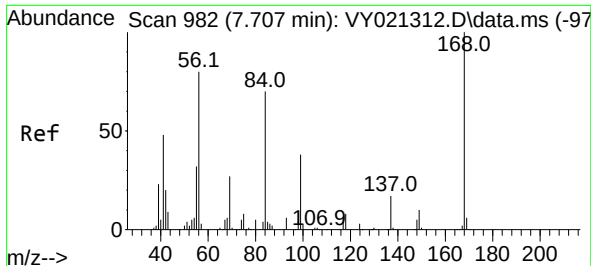
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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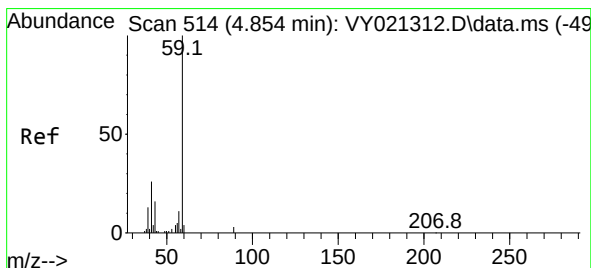
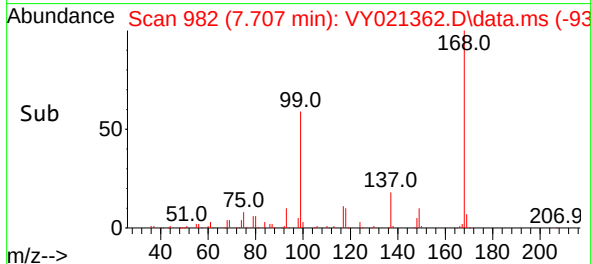
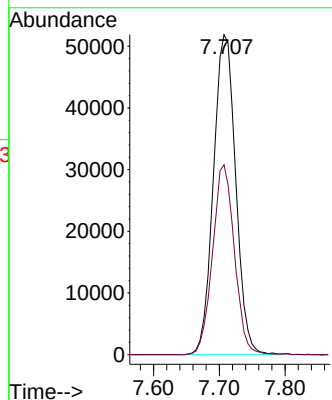
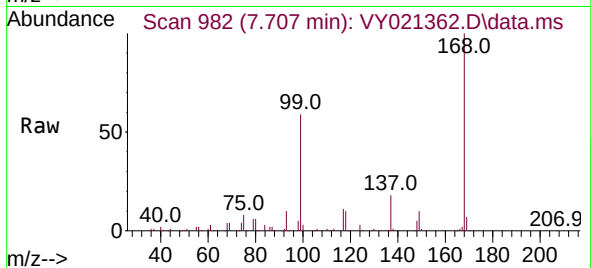




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021362.D
Acq: 27 Feb 2025 16:45

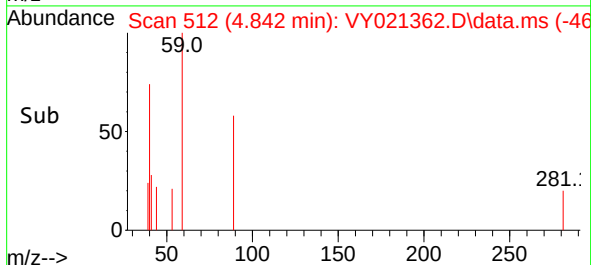
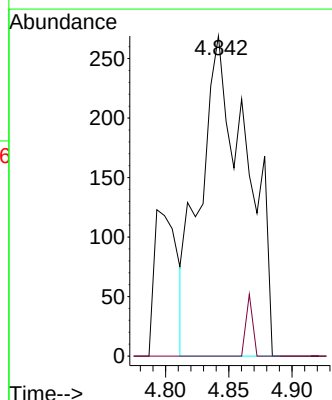
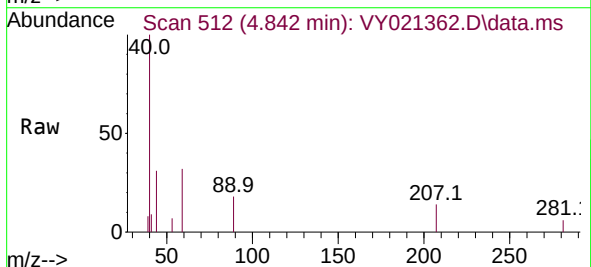
Instrument :
MSVOA_Y
ClientSampleId :

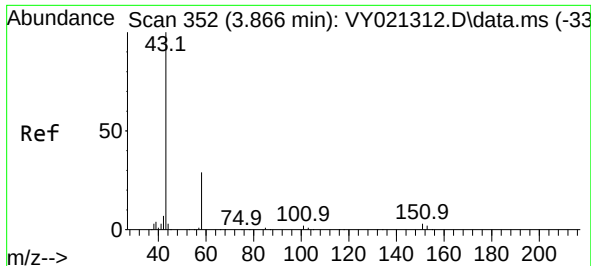
Tgt Ion:168 Resp: 122419
Ion Ratio Lower Upper
168 100
99 59.3 47.1 70.7



#11
Tert butyl alcohol
Concen: 6.441 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY021362.D
Acq: 27 Feb 2025 16:45

Tgt Ion: 59 Resp: 688
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

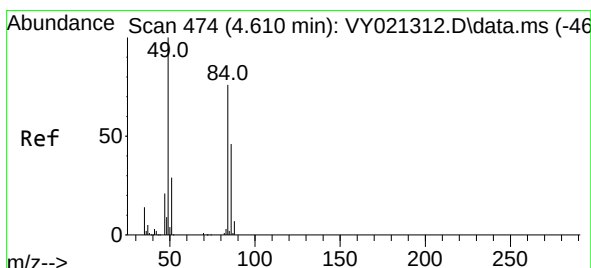
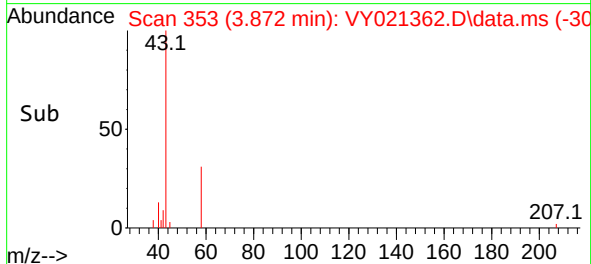
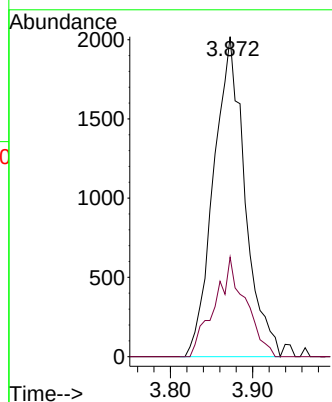
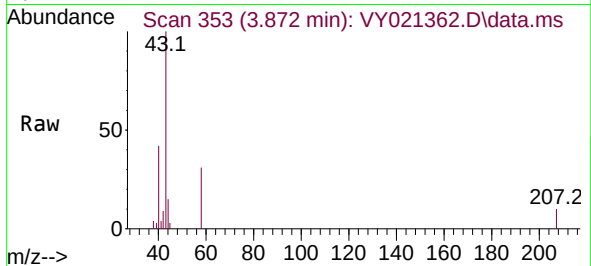




#16
Acetone
Concen: 20.016 ug/l
RT: 3.872 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY021362.D
Acq: 27 Feb 2025 16:45

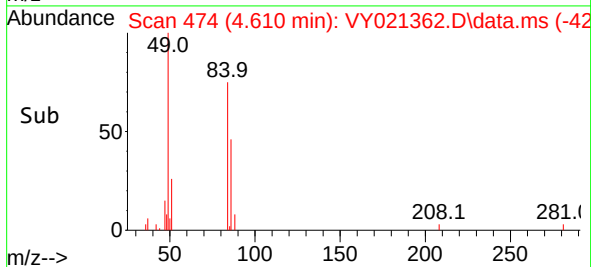
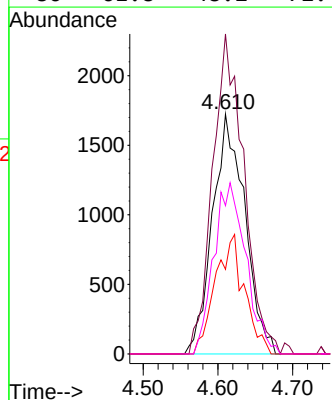
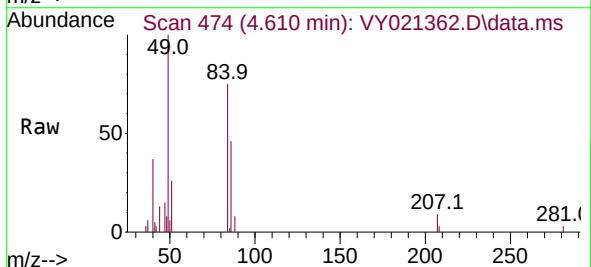
Instrument :
MSVOA_Y
ClientSampleId :

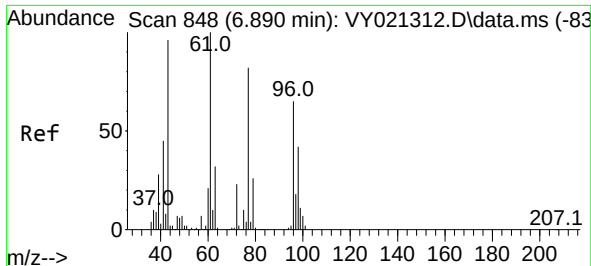
Tgt Ion: 43 Resp: 5332
Ion Ratio Lower Upper
43 100
58 31.1 23.5 35.3



#20
Methylene Chloride
Concen: 3.593 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY021362.D
Acq: 27 Feb 2025 16:45

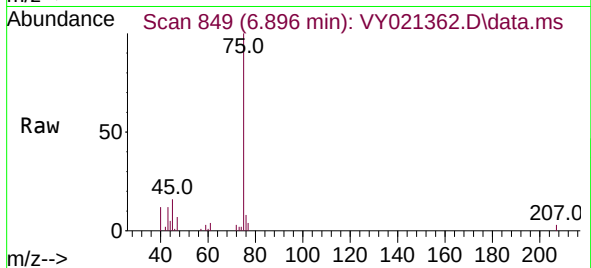
Tgt Ion: 84 Resp: 5176
Ion Ratio Lower Upper
84 100
49 133.4 105.1 157.7
51 35.3 31.0 46.4
86 61.8 48.2 72.4



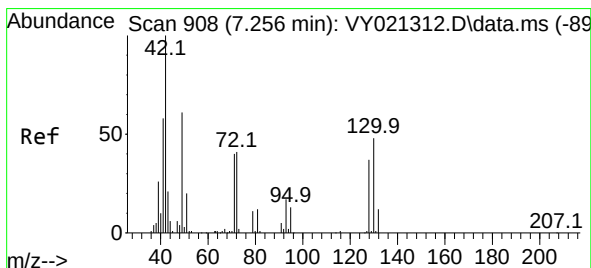
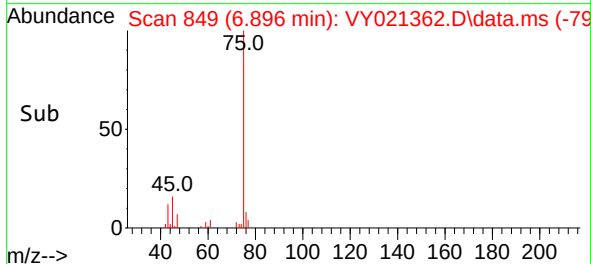
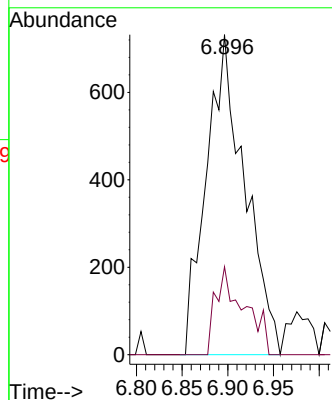


#25
2-Butanone
Concen: 5.323 ug/l
RT: 6.896 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY021362.D
Acq: 27 Feb 2025 16:45

Instrument :
MSVOA_Y
ClientSampleId :

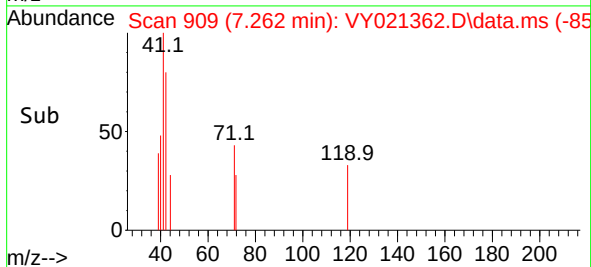
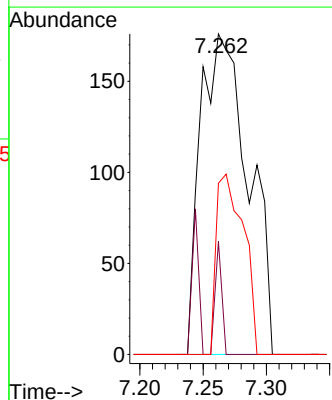
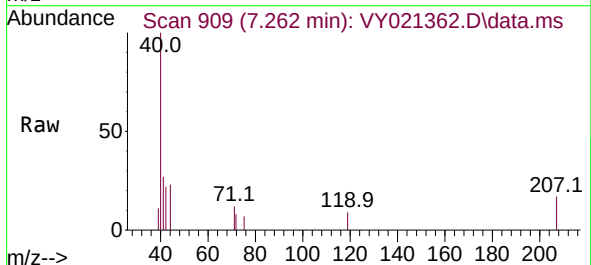


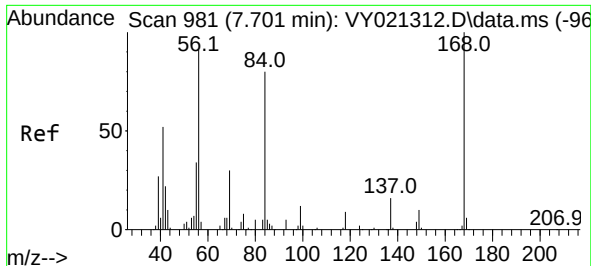
Tgt Ion: 43 Resp: 2140
Ion Ratio Lower Upper
43 100
72 27.5 19.0 28.6



#29
Tetrahydrofuran
Concen: 1.762 ug/l
RT: 7.262 min Scan# 909
Delta R.T. 0.006 min
Lab File: VY021362.D
Acq: 27 Feb 2025 16:45

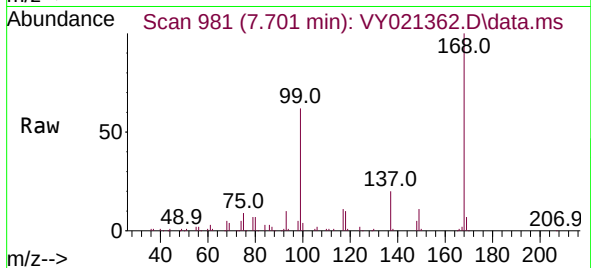
Tgt Ion: 42 Resp: 463
Ion Ratio Lower Upper
42 100
72 5.0 33.1 49.7#
71 32.0 31.4 47.0



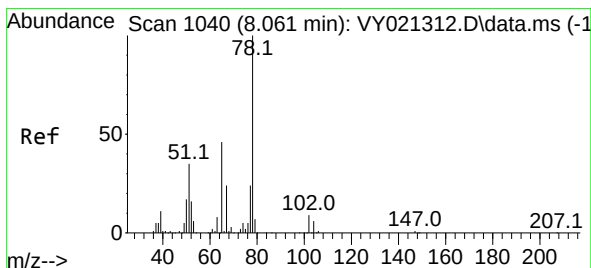
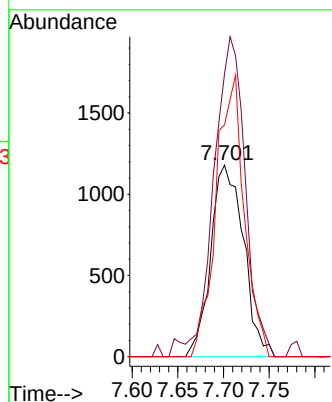
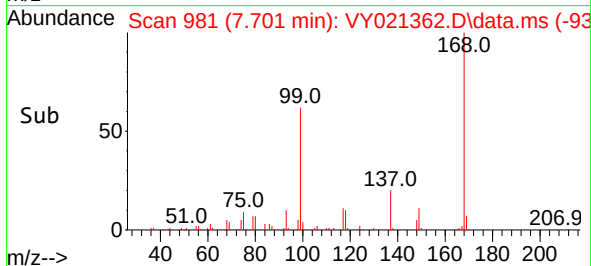


#31
Cyclohexane
Concen: 1.200 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021362.D
Acq: 27 Feb 2025 16:45

Instrument :
MSVOA_Y
ClientSampleId :

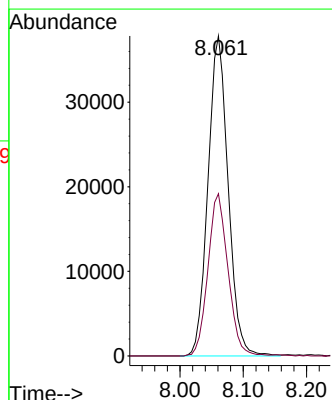
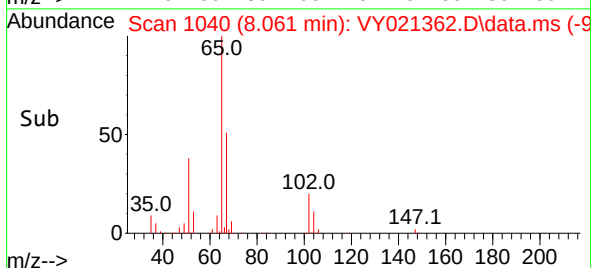
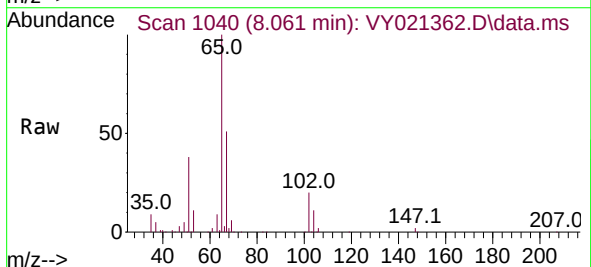


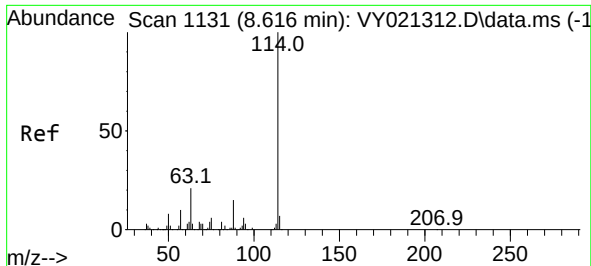
Tgt Ion: 56 Resp: 2939
Ion Ratio Lower Upper
56 100
69 147.8 26.2 39.4#
84 121.0 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 60.373 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021362.D
Acq: 27 Feb 2025 16:45

Tgt Ion: 65 Resp: 83842
Ion Ratio Lower Upper
65 100
67 50.4 0.0 103.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021362.D

Acq: 27 Feb 2025 16:45

Instrument :

MSVOA_Y

ClientSampleId :

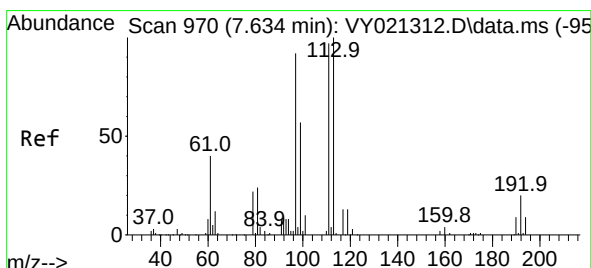
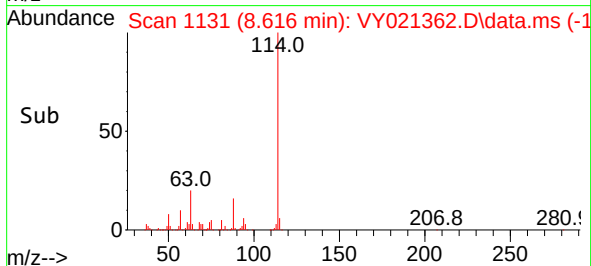
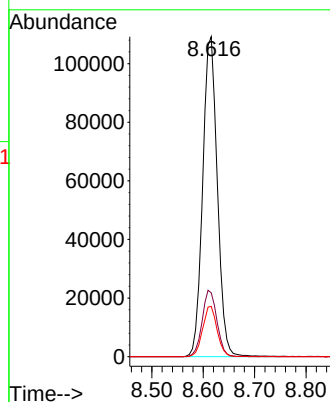
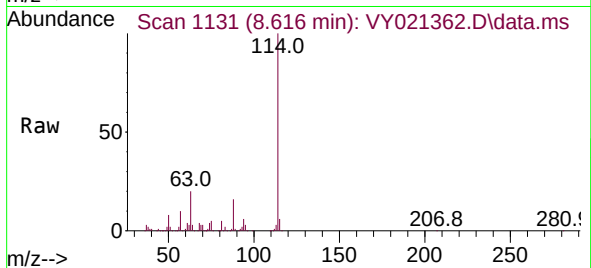
Tgt Ion:114 Resp: 215902

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.2

88 15.7 0.0 29.8



#35

Dibromofluoromethane

Concen: 52.783 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021362.D

Acq: 27 Feb 2025 16:45

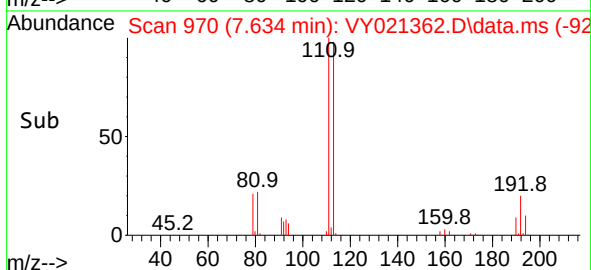
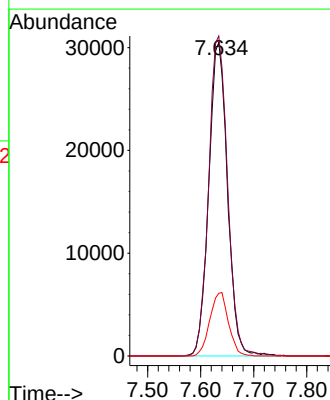
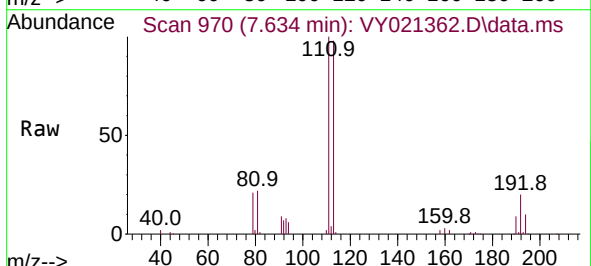
Tgt Ion:113 Resp: 74713

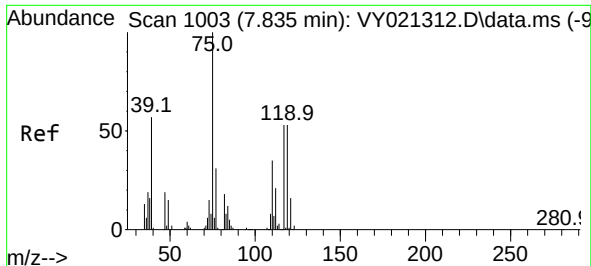
Ion Ratio Lower Upper

113 100

111 103.2 81.0 121.6

192 20.1 15.8 23.8





#36

1,1-Dichloropropene

Concen: 4.721 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY021362.D

Acq: 27 Feb 2025 16:45

Instrument :

MSVOA_Y

ClientSampleId :

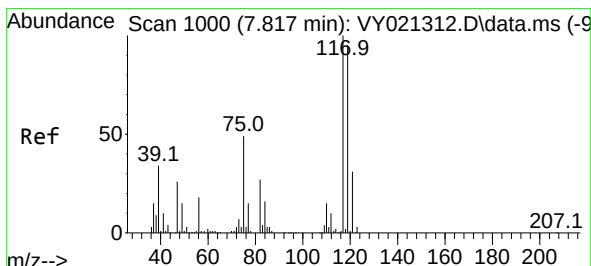
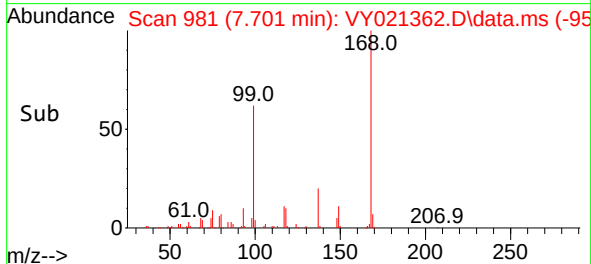
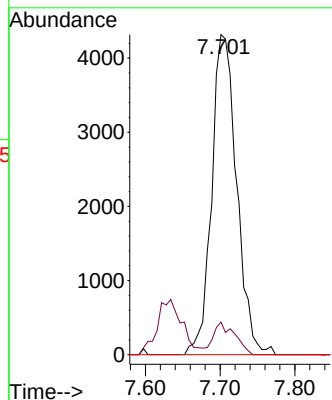
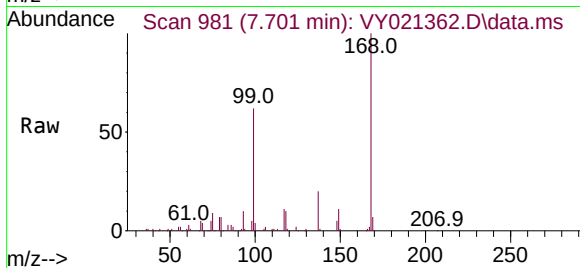
Tgt Ion: 75 Resp: 10037

Ion Ratio Lower Upper

75 100

110 8.8 16.9 50.7#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.435 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY021362.D

Acq: 27 Feb 2025 16:45

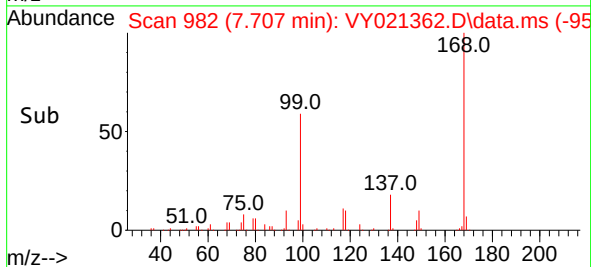
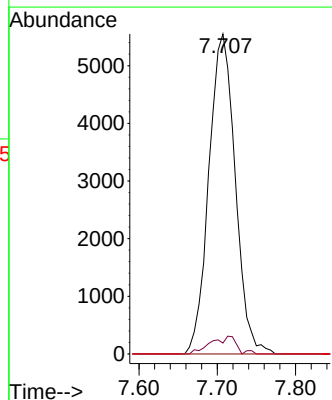
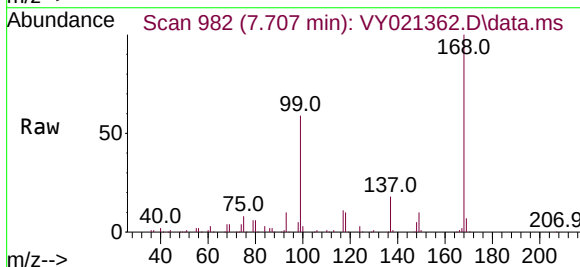
Tgt Ion: 117 Resp: 12991

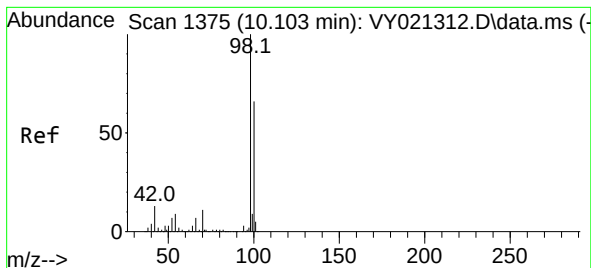
Ion Ratio Lower Upper

117 100

119 3.4 76.0 114.0#

121 0.0 24.9 37.3#

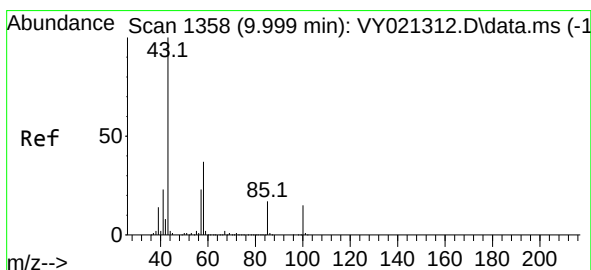
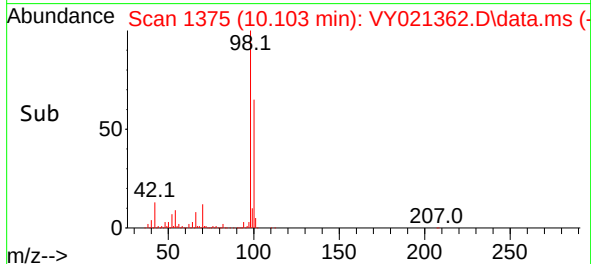
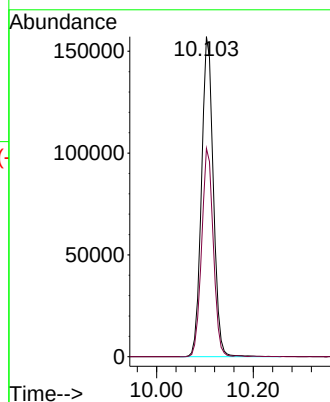
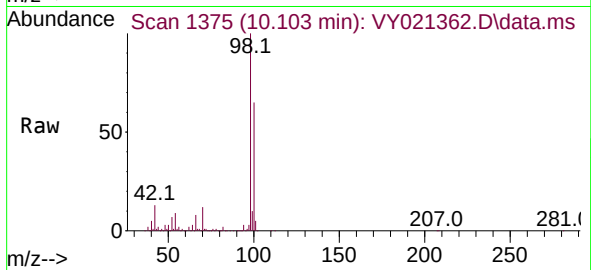




#50
Toluene-d8
Concen: 48.671 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021362.D
Acq: 27 Feb 2025 16:45

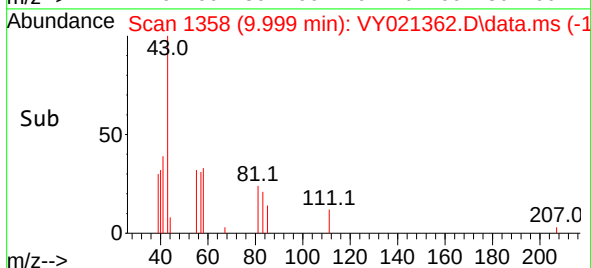
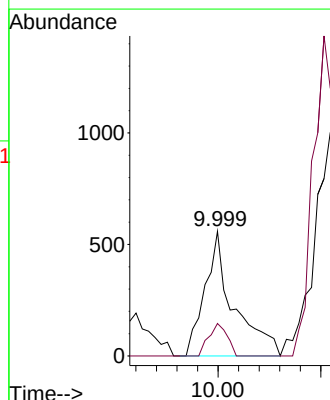
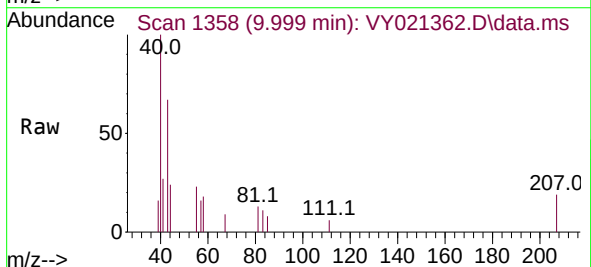
Instrument :
MSVOA_Y
ClientSampleId :

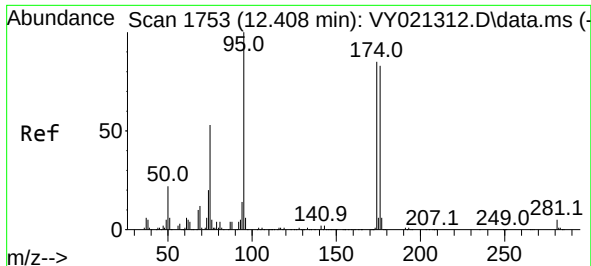
Tgt Ion: 98 Resp: 266250
Ion Ratio Lower Upper
98 100
100 64.1 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.039 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY021362.D
Acq: 27 Feb 2025 16:45

Tgt Ion: 43 Resp: 1089
Ion Ratio Lower Upper
43 100
58 16.6 30.1 45.1#

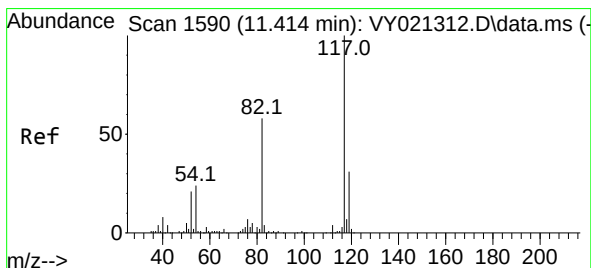
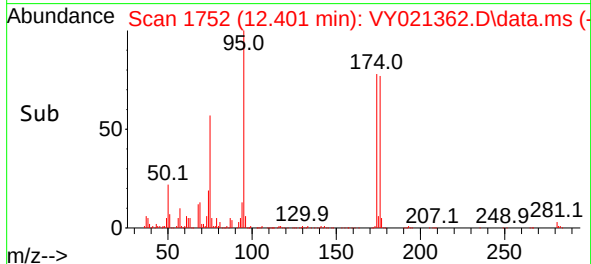
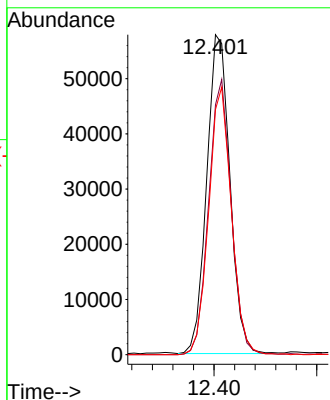
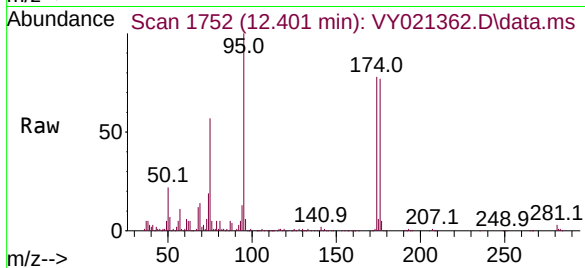




#62
4-Bromofluorobenzene
Concen: 49.249 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021362.D
Acq: 27 Feb 2025 16:45

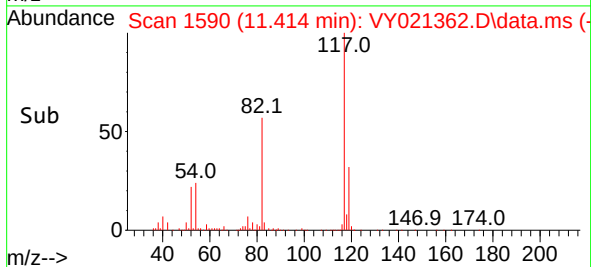
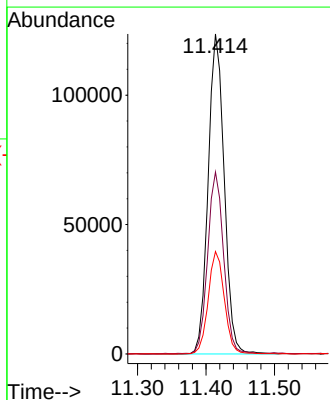
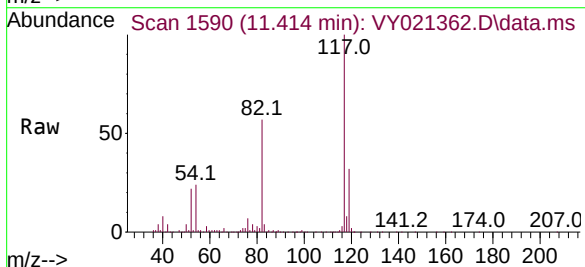
Instrument :
MSVOA_Y
ClientSampleId :

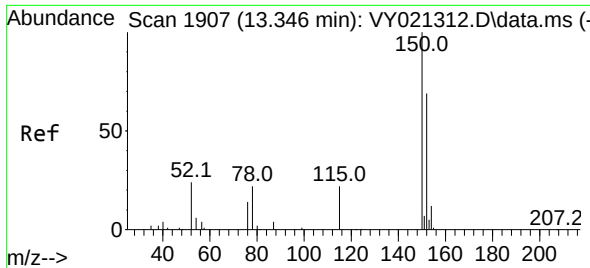
Tgt Ion: 95 Resp: 90669
Ion Ratio Lower Upper
95 100
174 83.9 0.0 168.0
176 82.1 0.0 162.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY021362.D
Acq: 27 Feb 2025 16:45

Tgt Ion:117 Resp: 201412
Ion Ratio Lower Upper
117 100
82 56.6 46.2 69.4
119 32.0 24.9 37.3

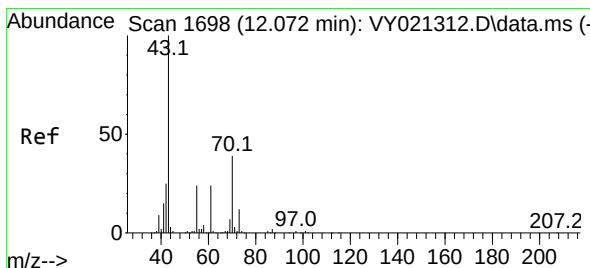
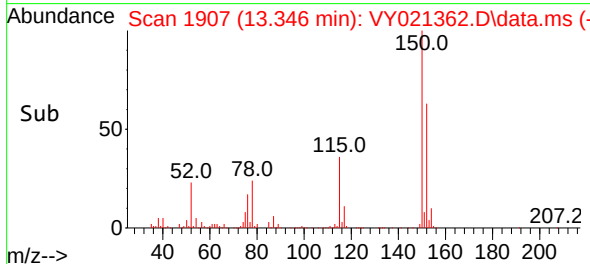
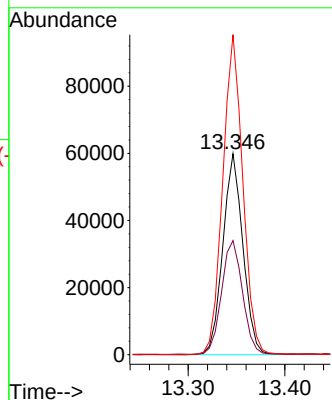
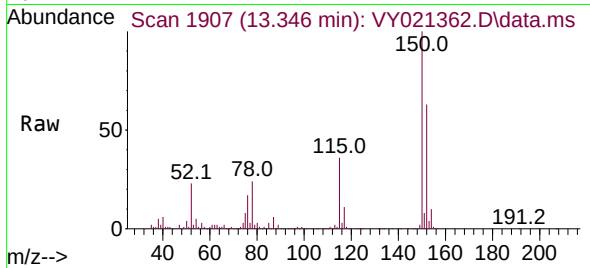




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY021362.D
 Acq: 27 Feb 2025 16:45

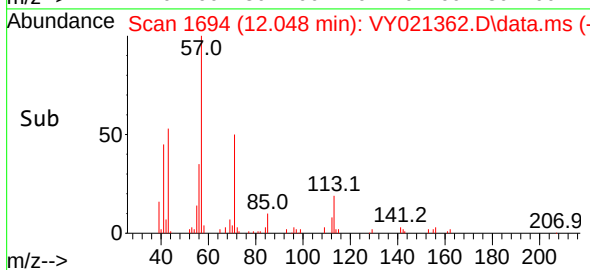
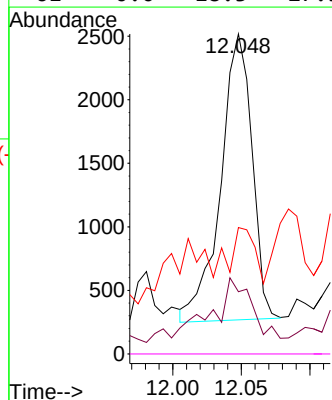
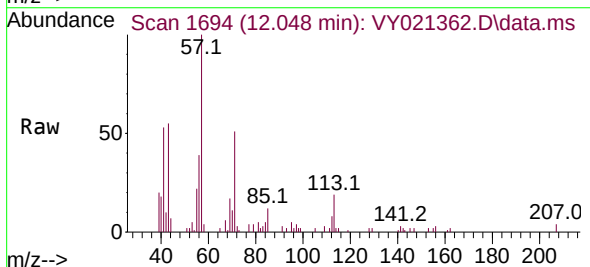
Instrument :
 MSVOA_Y
 ClientSampleId :

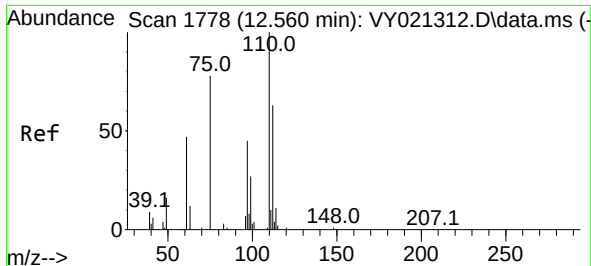
Tgt Ion:152 Resp: 86351
 Ion Ratio Lower Upper
 152 100
 115 58.7 29.3 88.0
 150 159.2 0.0 347.4



#74
 N-ethyl acetate
 Concen: 2.170 ug/l
 RT: 12.048 min Scan# 1694
 Delta R.T. -0.024 min
 Lab File: VY021362.D
 Acq: 27 Feb 2025 16:45

Tgt Ion: 43 Resp: 3580
 Ion Ratio Lower Upper
 43 100
 70 32.1 32.2 48.2#
 55 11.8 19.6 29.4#
 61 0.0 18.3 27.5#

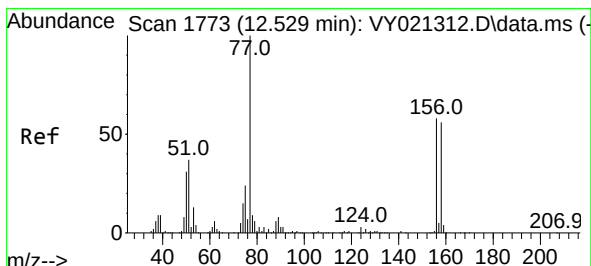
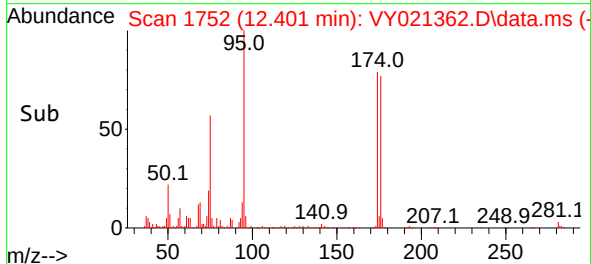
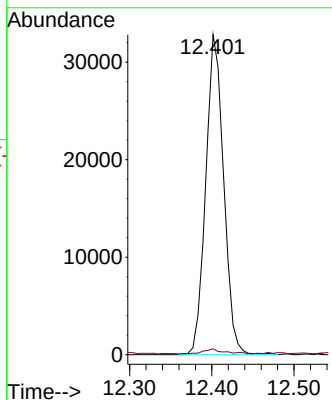
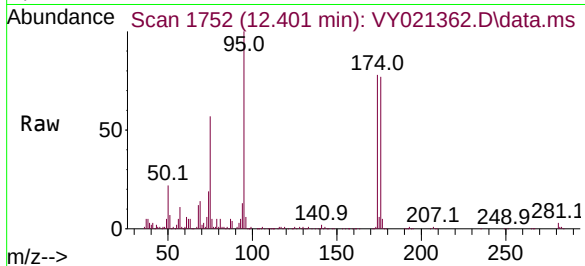




#76
1,2,3-Trichloropropane
Concen: 57.457 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.159 min
Lab File: VY021362.D
Acq: 27 Feb 2025 16:45

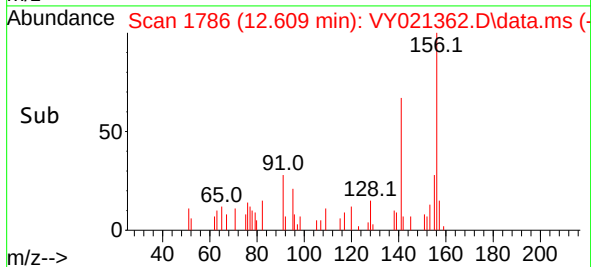
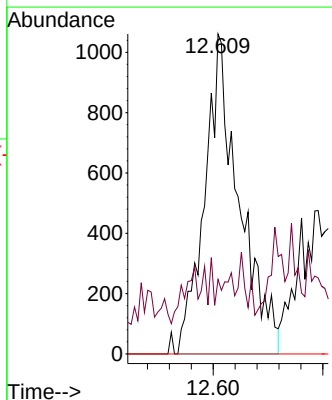
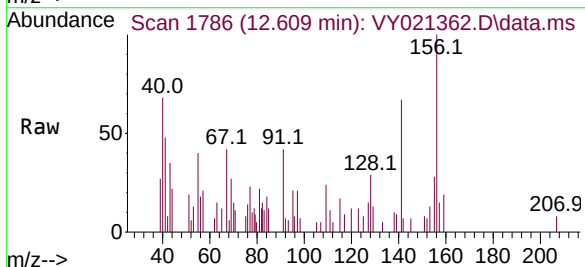
Instrument :
MSVOA_Y
ClientSampleId :

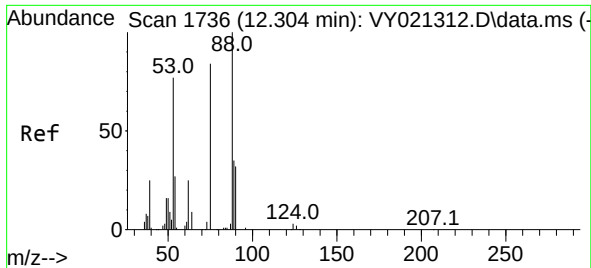
Tgt Ion: 75 Resp: 49662
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#77
Bromobenzene
Concen: 3.052 ug/l
RT: 12.609 min Scan# 1786
Delta R.T. 0.079 min
Lab File: VY021362.D
Acq: 27 Feb 2025 16:45

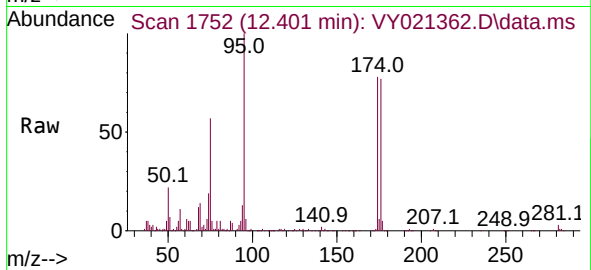
Tgt Ion:156 Resp: 4608
Ion Ratio Lower Upper
156 100
77 0.0 94.0 282.1#
158 0.0 48.7 146.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.707 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY021362.D
 Acq: 27 Feb 2025 16:45

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	1.5	79.1	118.7#
89	0.0	35.6	53.4#

