

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
 Data File : VY021387.D
 Acq On : 28 Feb 2025 17:52
 Operator : SY/MD
 Sample : Q1441-01
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-02-022625

Quant Time: Feb 28 22:23:06 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)

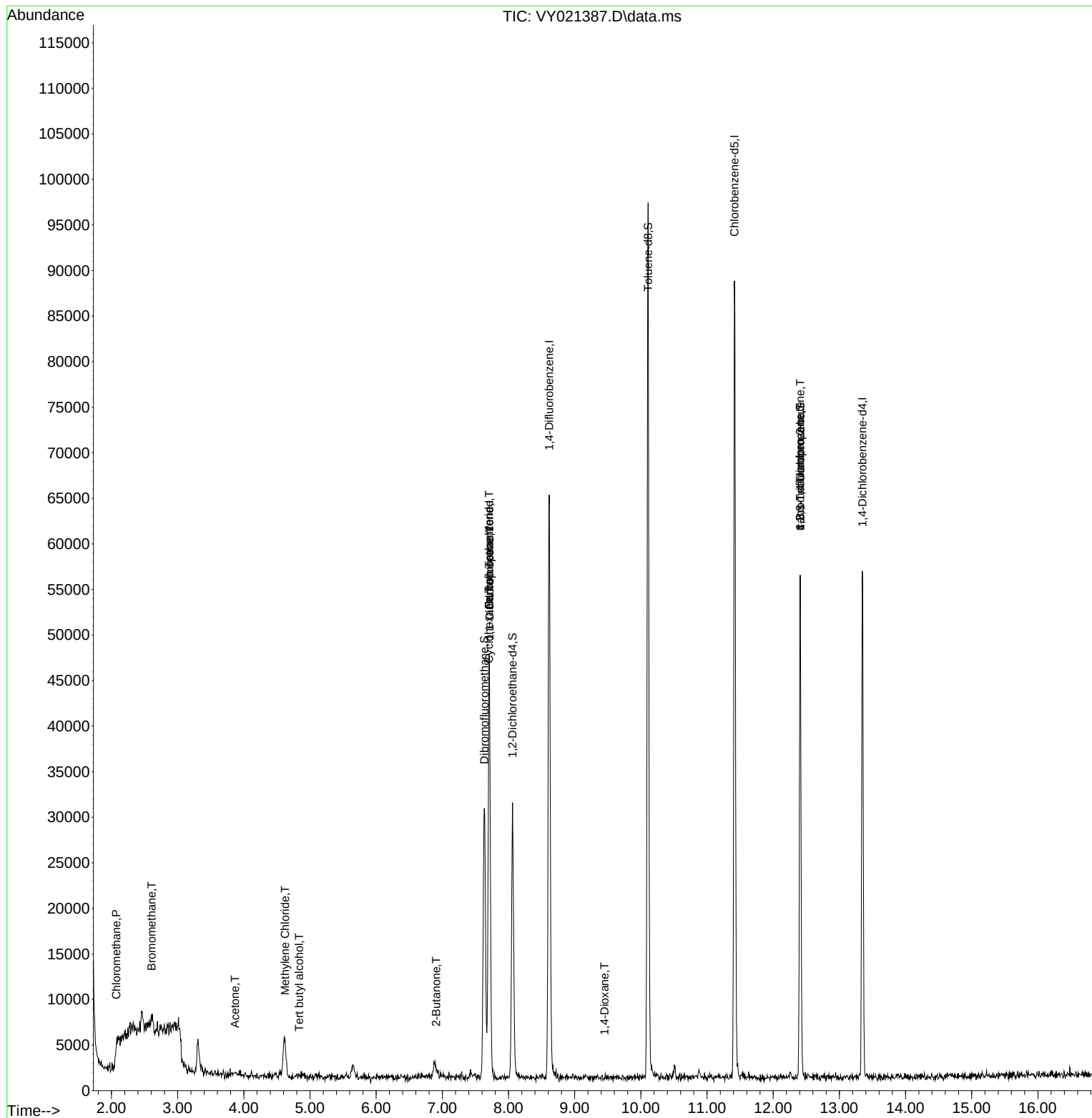
Internal Standards						
1) Pentafluorobenzene	7.707	168	33160	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	54415	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	46106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	14621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	23003	61.150	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.300%			
35) Dibromofluoromethane	7.634	113	21817	61.155	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 122.300%			
50) Toluene-d8	10.109	98	61983	44.956	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 89.920%			
62) 4-Bromofluorobenzene	12.408	95	16832	36.275	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 72.560%			
Target Compounds						Qvalue
3) Chloromethane	2.074	50	476	1.172	ug/l #	84
5) Bromomethane	2.605	94	480	1.812	ug/l	99
11) Tert butyl alcohol	4.836	59	143	4.942	ug/l #	72
16) Acetone	3.867	43	496	6.874	ug/l	96
20) Methylene Chloride	4.623	84	3014	7.724	ug/l #	85
25) 2-Butanone	6.909	43	138	1.267	ug/l #	52
31) Cyclohexane	7.701	56	959	1.446	ug/l #	42
36) 1,1-Dichloropropene	7.713	75	2790	5.206	ug/l #	58
38) Carbon Tetrachloride	7.707	117	3752	6.228	ug/l #	23
49) 1,4-Dioxane	9.451	88	22	9.495	ug/l #	20
76) 1,2,3-Trichloropropane	12.408	75	9396	64.203	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	9396	142.700	ug/l #	10

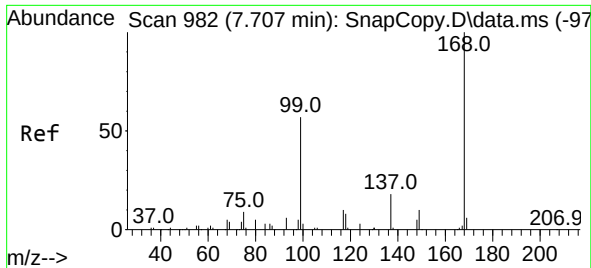
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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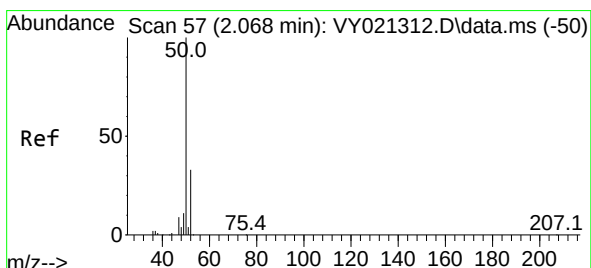
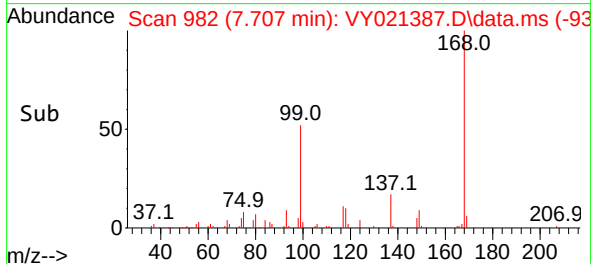
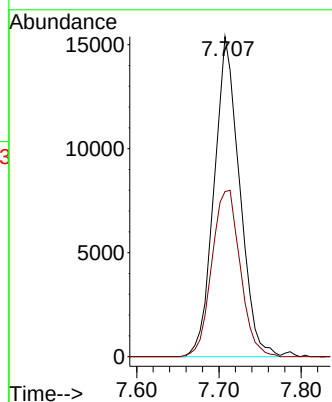
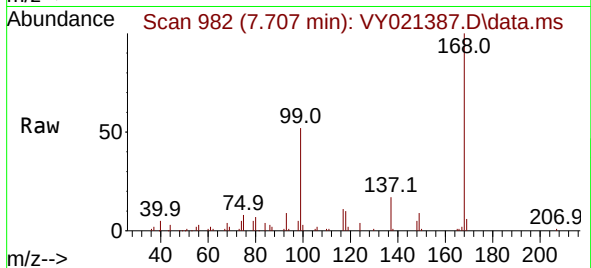




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021387.D
Acq: 28 Feb 2025 17:52

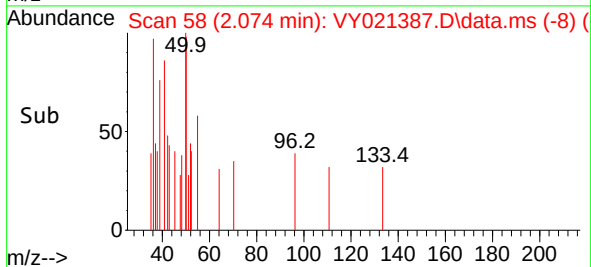
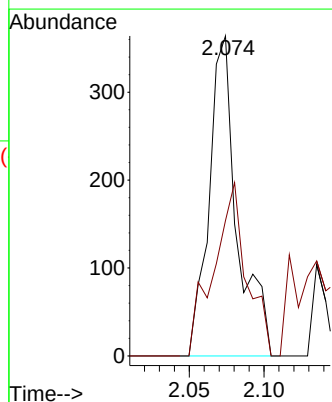
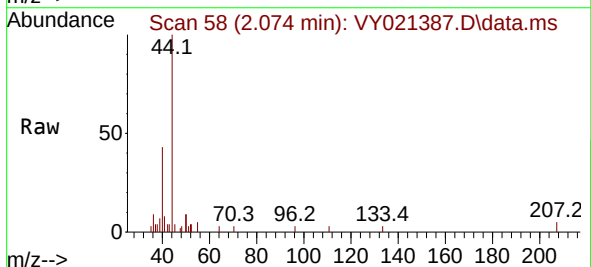
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-022625

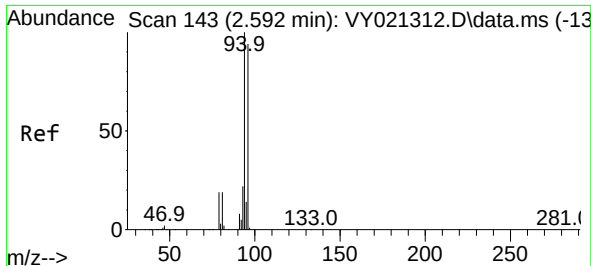
Tgt Ion:168 Resp: 33160
Ion Ratio Lower Upper
168 100
99 51.6 47.1 70.7



#3
Chloromethane
Concen: 1.172 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.006 min
Lab File: VY021387.D
Acq: 28 Feb 2025 17:52

Tgt Ion: 50 Resp: 476
Ion Ratio Lower Upper
50 100
52 42.3 26.6 40.0#

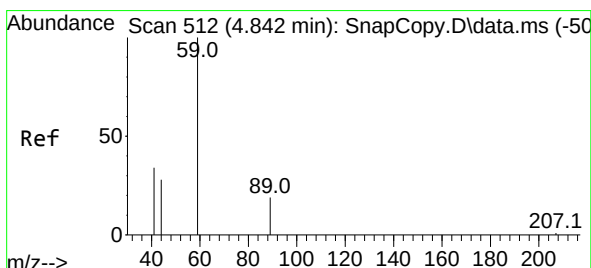
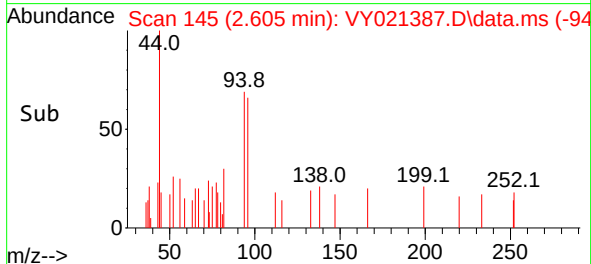
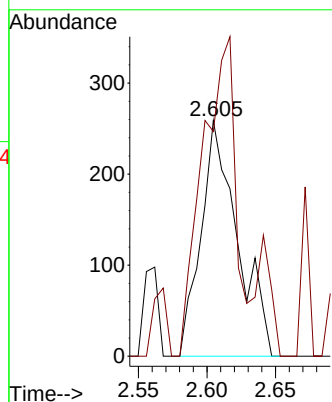
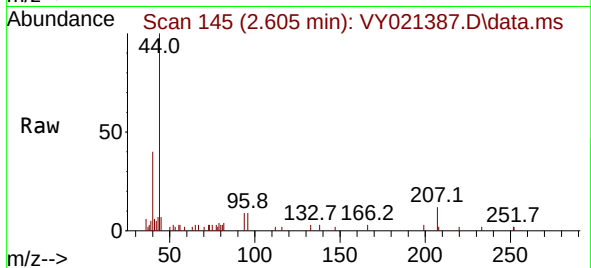




#5
Bromomethane
Concen: 1.812 ug/l
RT: 2.605 min Scan# 14
Delta R.T. 0.012 min
Lab File: VY021387.D
Acq: 28 Feb 2025 17:52

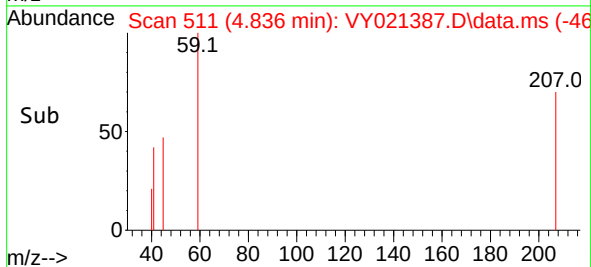
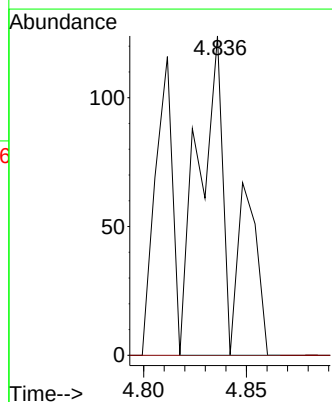
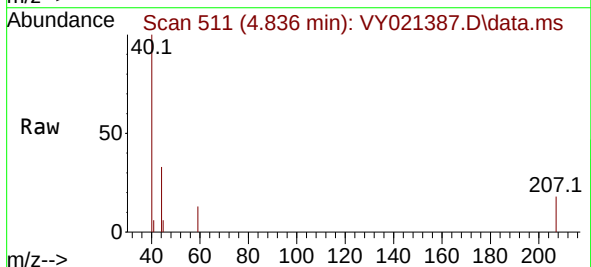
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-022625

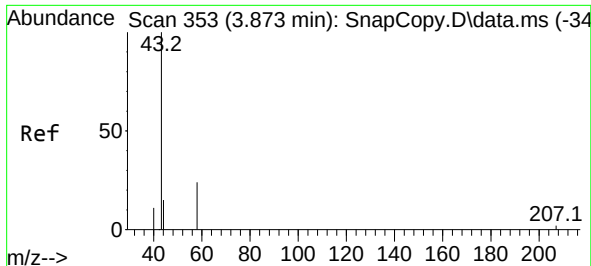
Tgt Ion: 94 Resp: 480
Ion Ratio Lower Upper
94 100
96 95.4 75.2 112.8



#11
Tert butyl alcohol
Concen: 4.942 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.018 min
Lab File: VY021387.D
Acq: 28 Feb 2025 17:52

Tgt Ion: 59 Resp: 143
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

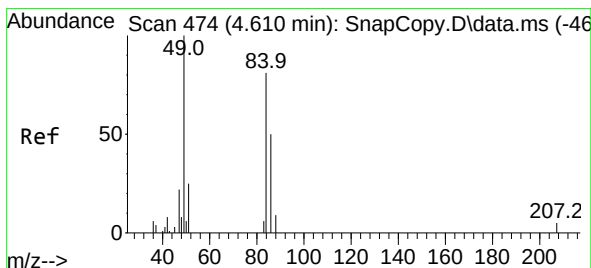
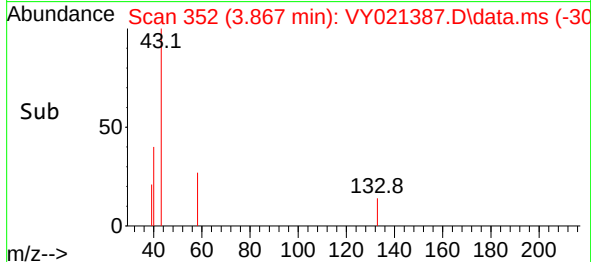
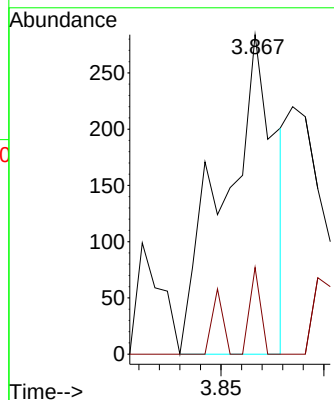
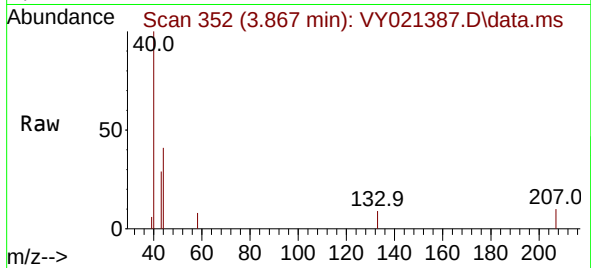




#16
Acetone
Concen: 6.874 ug/l
RT: 3.867 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY021387.D
Acq: 28 Feb 2025 17:52

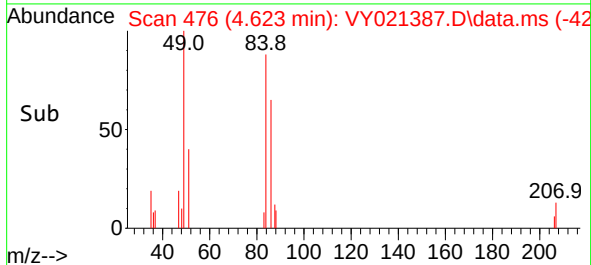
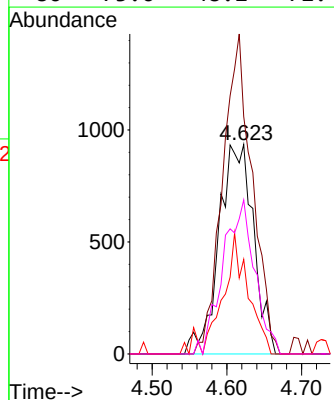
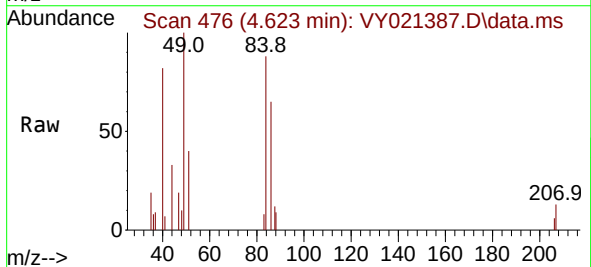
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-022625

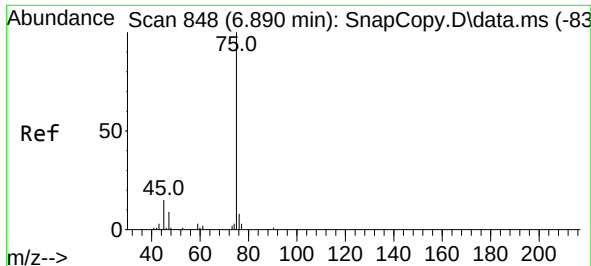
Tgt Ion: 43 Resp: 496
Ion Ratio Lower Upper
43 100
58 27.1 23.5 35.3



#20
Methylene Chloride
Concen: 7.724 ug/l
RT: 4.623 min Scan# 476
Delta R.T. 0.012 min
Lab File: VY021387.D
Acq: 28 Feb 2025 17:52

Tgt Ion: 84 Resp: 3014
Ion Ratio Lower Upper
84 100
49 113.4 105.1 157.7
51 45.1 31.0 46.4
86 73.6 48.2 72.4#

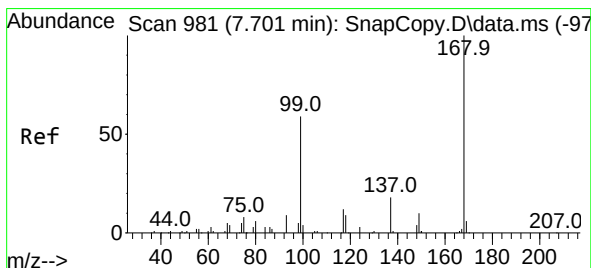
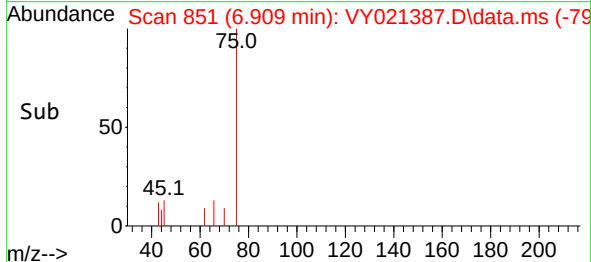
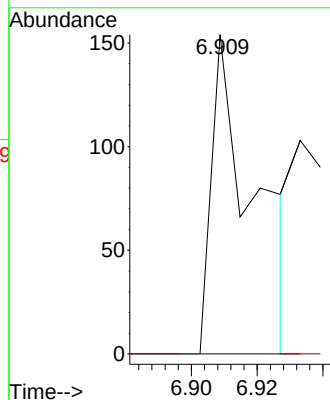
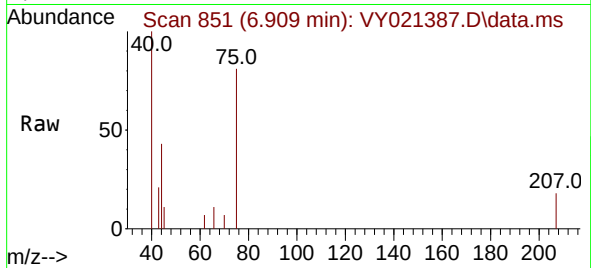




#25
2-Butanone
Concen: 1.267 ug/l
RT: 6.909 min Scan# 848
Delta R.T. 0.018 min
Lab File: VY021387.D
Acq: 28 Feb 2025 17:52

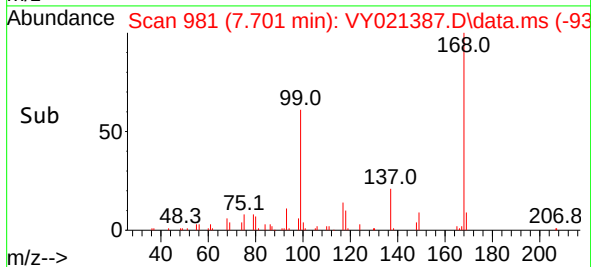
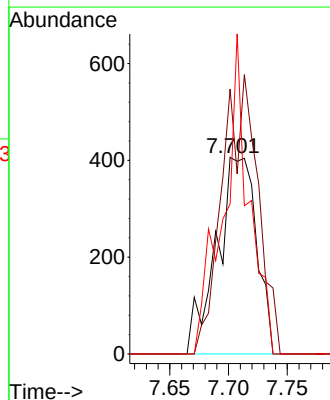
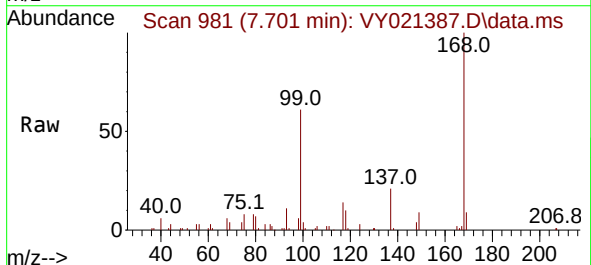
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-022625

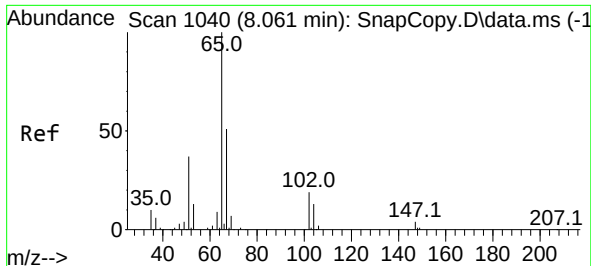
Tgt Ion: 43 Resp: 138
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.6#



#31
Cyclohexane
Concen: 1.446 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021387.D
Acq: 28 Feb 2025 17:52

Tgt Ion: 56 Resp: 959
Ion Ratio Lower Upper
56 100
69 134.7 26.2 39.4#
84 76.4 70.2 105.4





#33

1,2-Dichloroethane-d4

Concen: 61.150 ug/l

RT: 8.061 min Scan# 1109

Delta R.T. 0.000 min

Lab File: VY021387.D

Acq: 28 Feb 2025 17:52

Instrument :

MSVOA_Y

ClientSampleId :

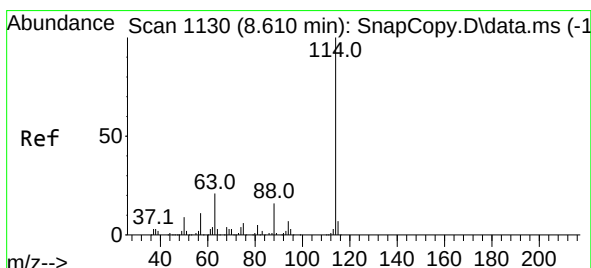
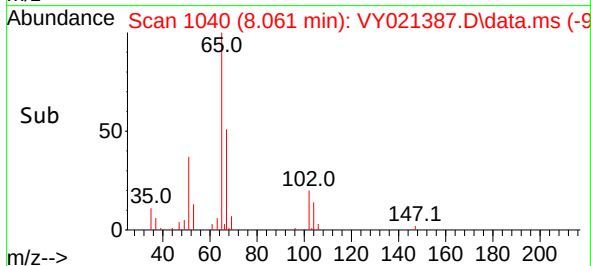
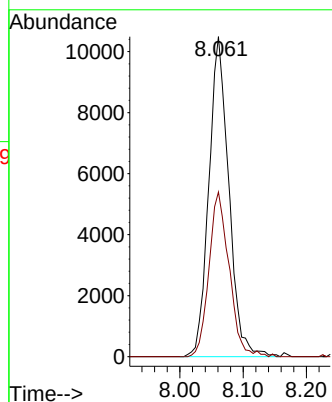
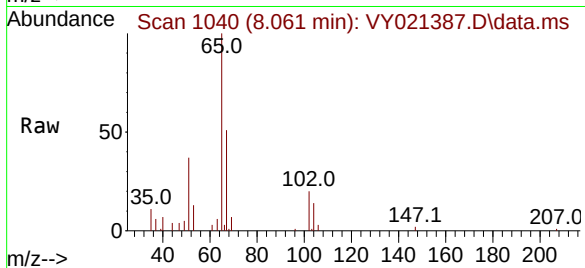
HD-02-022625

Tgt Ion: 65 Resp: 23003

Ion Ratio Lower Upper

65 100

67 51.9 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: VY021387.D

Acq: 28 Feb 2025 17:52

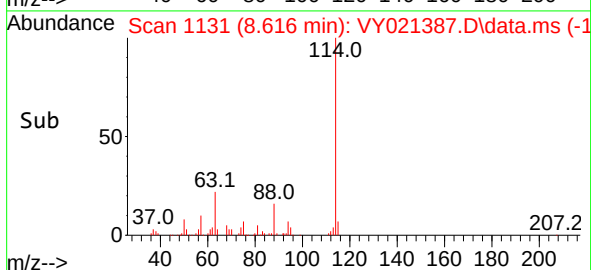
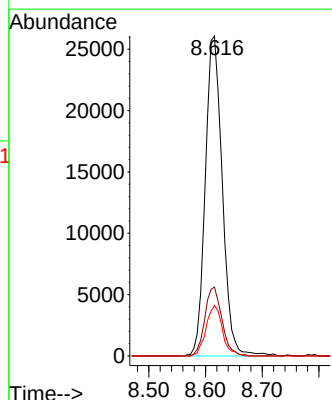
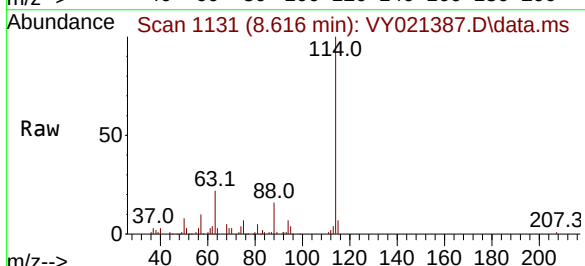
Tgt Ion: 114 Resp: 54415

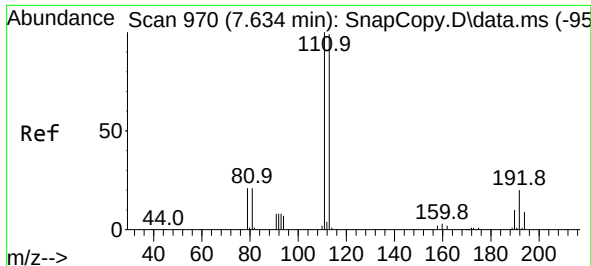
Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.2

88 15.8 0.0 29.8

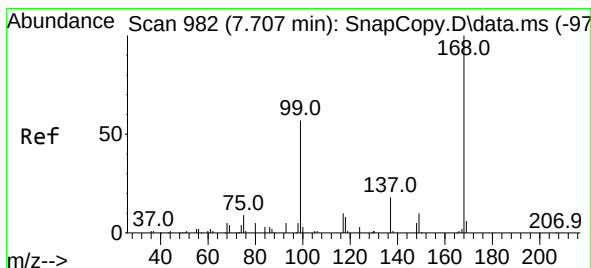
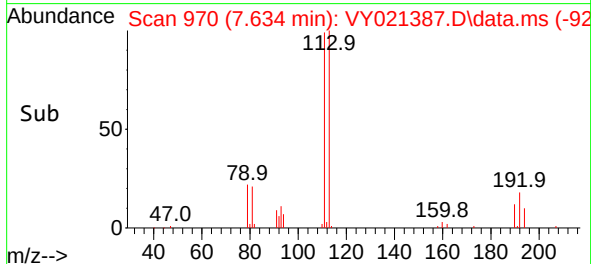
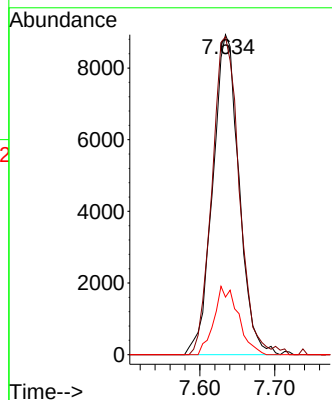
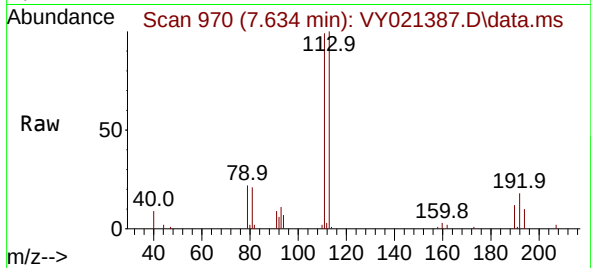




#35
Dibromofluoromethane
Concen: 61.155 ug/l
RT: 7.634 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY021387.D
Acq: 28 Feb 2025 17:52

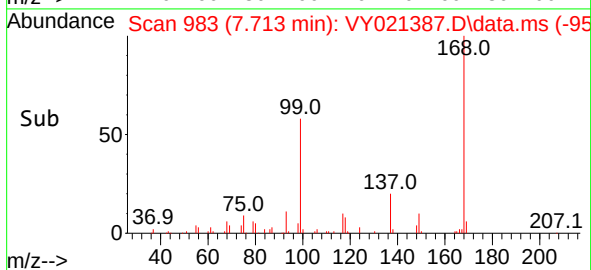
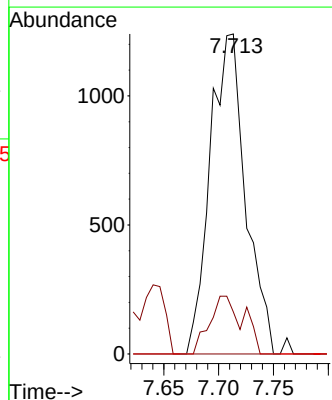
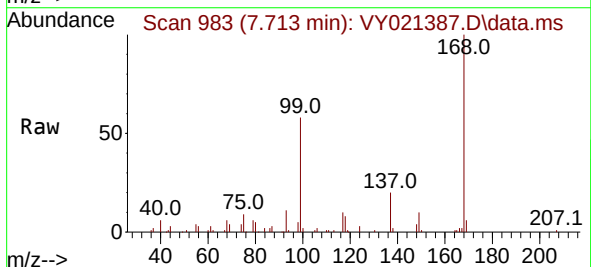
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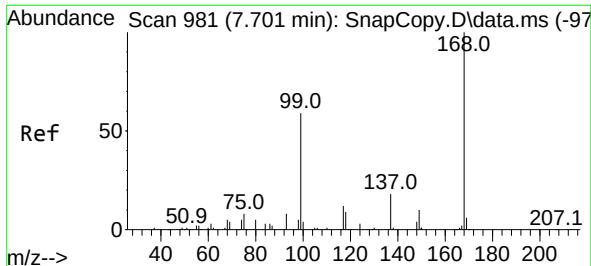
Tgt Ion:113 Resp: 21817
Ion Ratio Lower Upper
113 100
111 103.0 81.0 121.6
192 19.7 15.8 23.8



#36
1,1-Dichloropropene
Concen: 5.206 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY021387.D
Acq: 28 Feb 2025 17:52

Tgt Ion: 75 Resp: 2790
Ion Ratio Lower Upper
75 100
110 17.2 16.9 50.7
77 0.0 24.6 36.8#

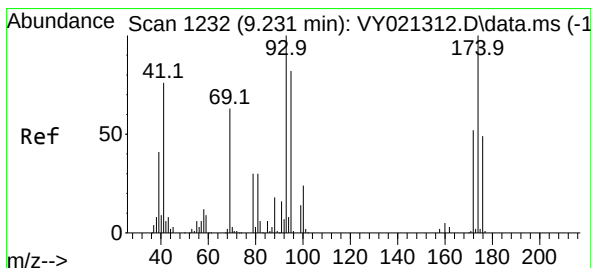
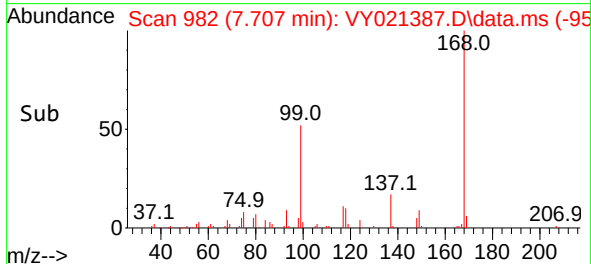
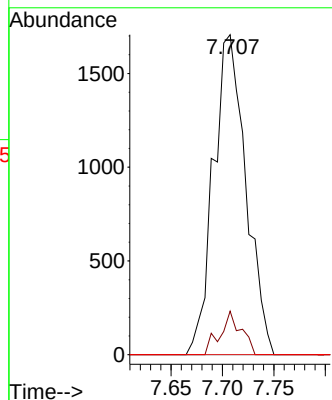
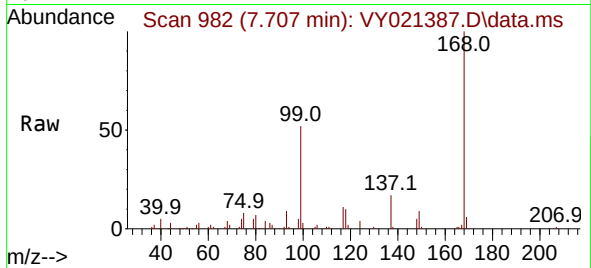




#38
Carbon Tetrachloride
Concen: 6.228 ug/l
RT: 7.707 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY021387.D
Acq: 28 Feb 2025 17:52

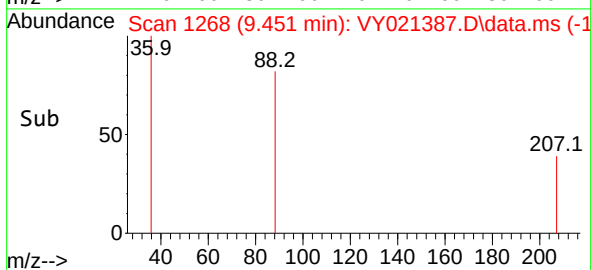
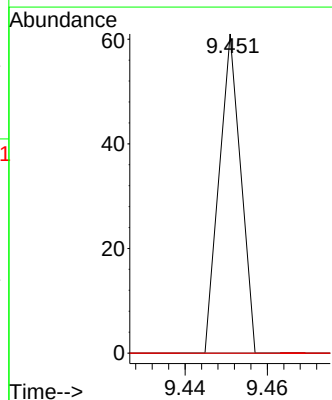
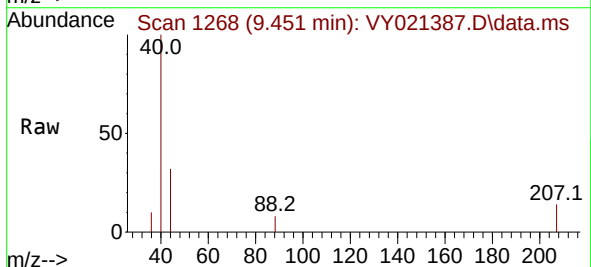
Instrument :
MSVOA_Y
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HD-02-022625

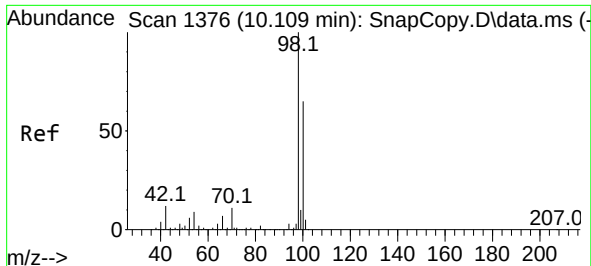
Tgt Ion:117 Resp: 3752
Ion Ratio Lower Upper
117 100
119 13.6 76.0 114.0#
121 0.0 24.9 37.3#



#49
1,4-Dioxane
Concen: 9.495 ug/l
RT: 9.451 min Scan# 1268
Delta R.T. 0.220 min
Lab File: VY021387.D
Acq: 28 Feb 2025 17:52

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 34.8 52.2#
58 0.0 59.8 89.6#

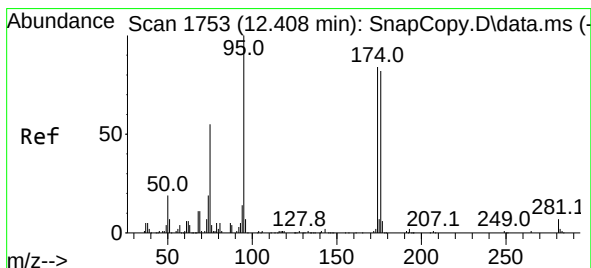
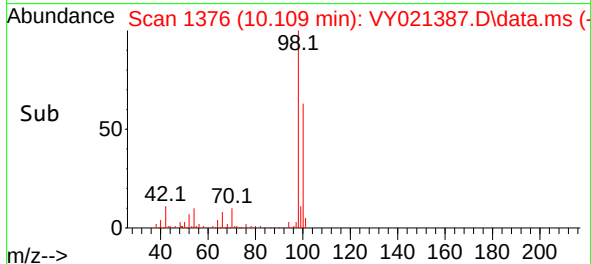
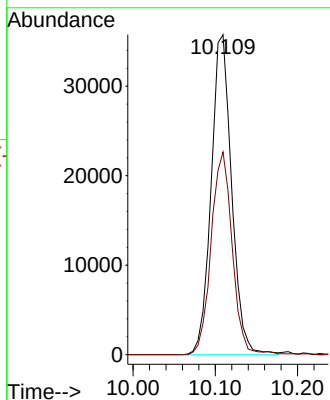
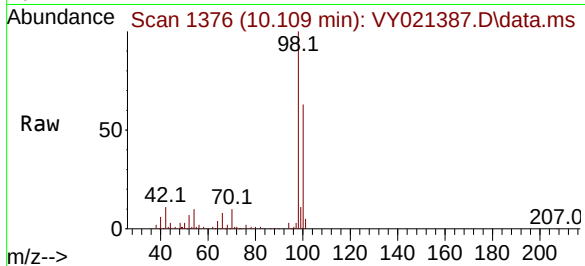




#50
Toluene-d8
Concen: 44.956 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021387.D
Acq: 28 Feb 2025 17:52

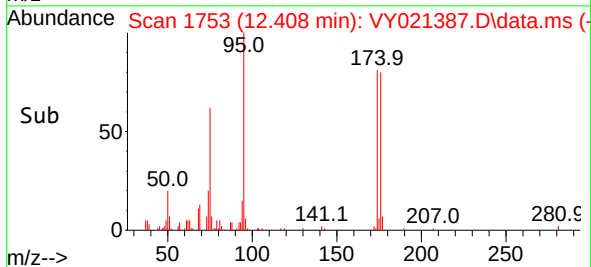
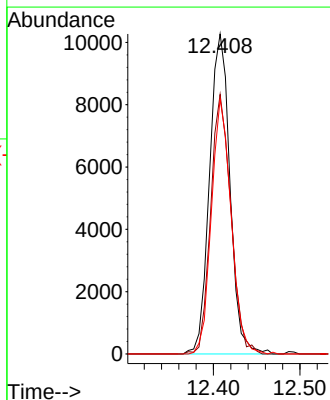
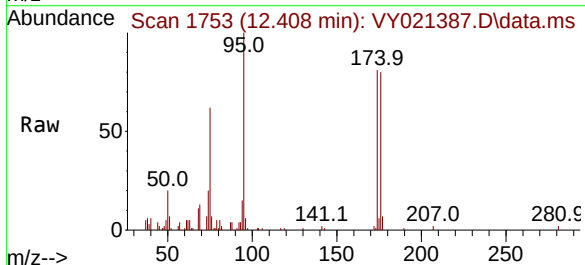
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-022625

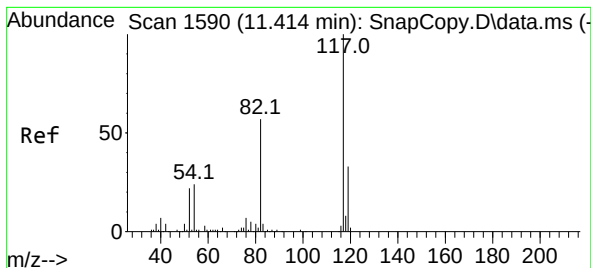
Tgt Ion: 98 Resp: 61983
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 36.275 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021387.D
Acq: 28 Feb 2025 17:52

Tgt Ion: 95 Resp: 16832
Ion Ratio Lower Upper
95 100
174 80.1 0.0 168.0
176 77.0 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021387.D

Acq: 28 Feb 2025 17:52

Instrument :

MSVOA_Y

ClientSampleId :

HD-02-022625

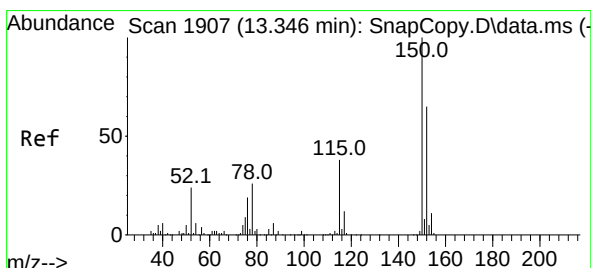
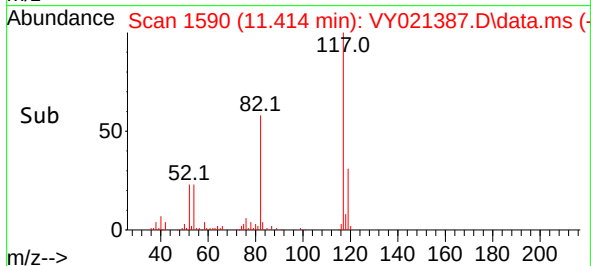
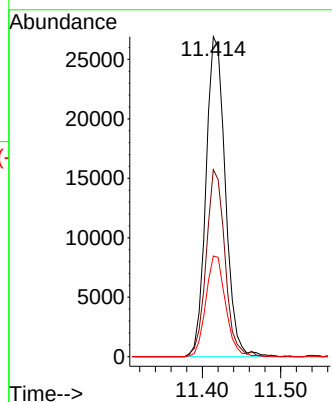
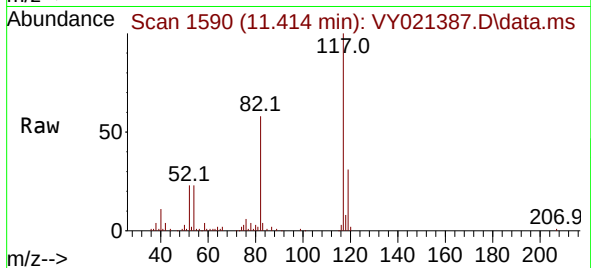
Tgt Ion:117 Resp: 46106

Ion Ratio Lower Upper

117 100

82 58.4 46.2 69.4

119 31.4 24.9 37.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021387.D

Acq: 28 Feb 2025 17:52

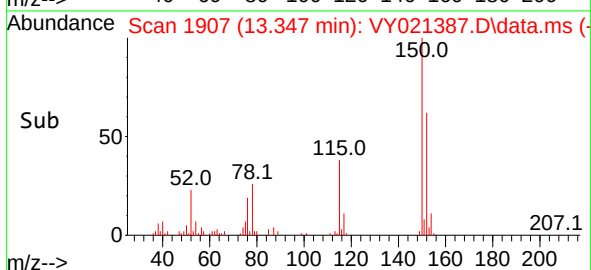
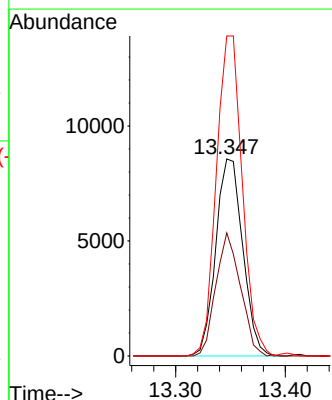
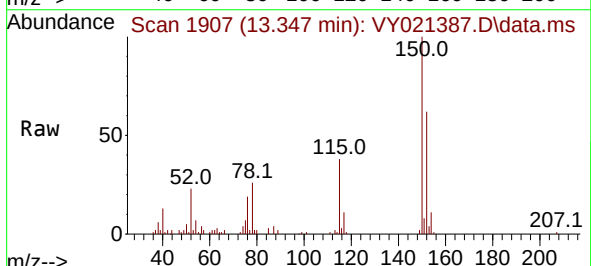
Tgt Ion:152 Resp: 14621

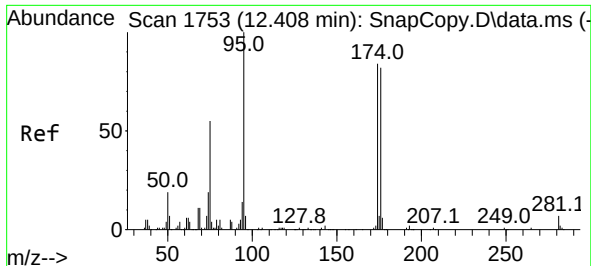
Ion Ratio Lower Upper

152 100

115 57.2 29.3 88.0

150 156.5 0.0 347.4

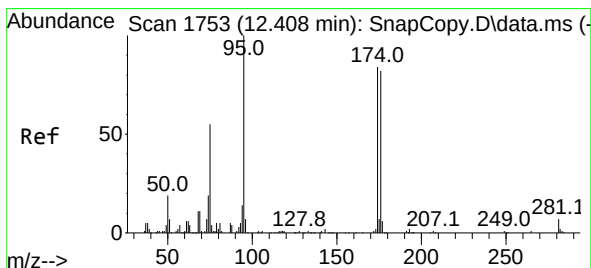
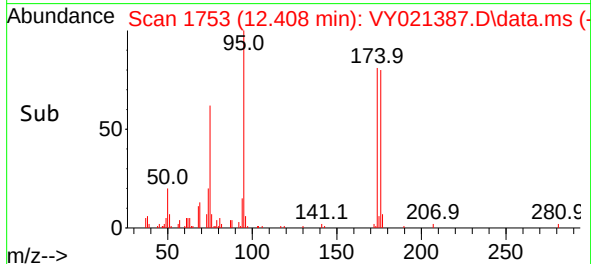
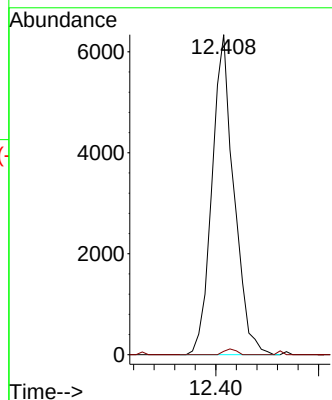
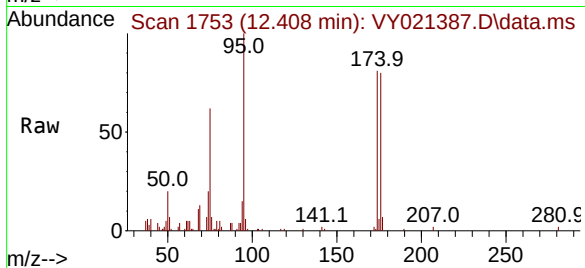




#76
1,2,3-Trichloropropane
Concen: 64.203 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY021387.D
Acq: 28 Feb 2025 17:52

Instrument :
MSVOA_Y
ClientSampleId :
HD-02-022625

Tgt Ion: 75 Resp: 9396
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 142.700 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021387.D
Acq: 28 Feb 2025 17:52

Tgt Ion: 75 Resp: 9396
Ion Ratio Lower Upper
75 100
53 0.0 79.1 118.7#
89 0.0 35.6 53.4#

