

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021434.D
 Acq On : 06 Mar 2025 15:02
 Operator : SY/MD
 Sample : Q1479-02
 Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DSP2

Quant Time: Mar 07 00:40:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

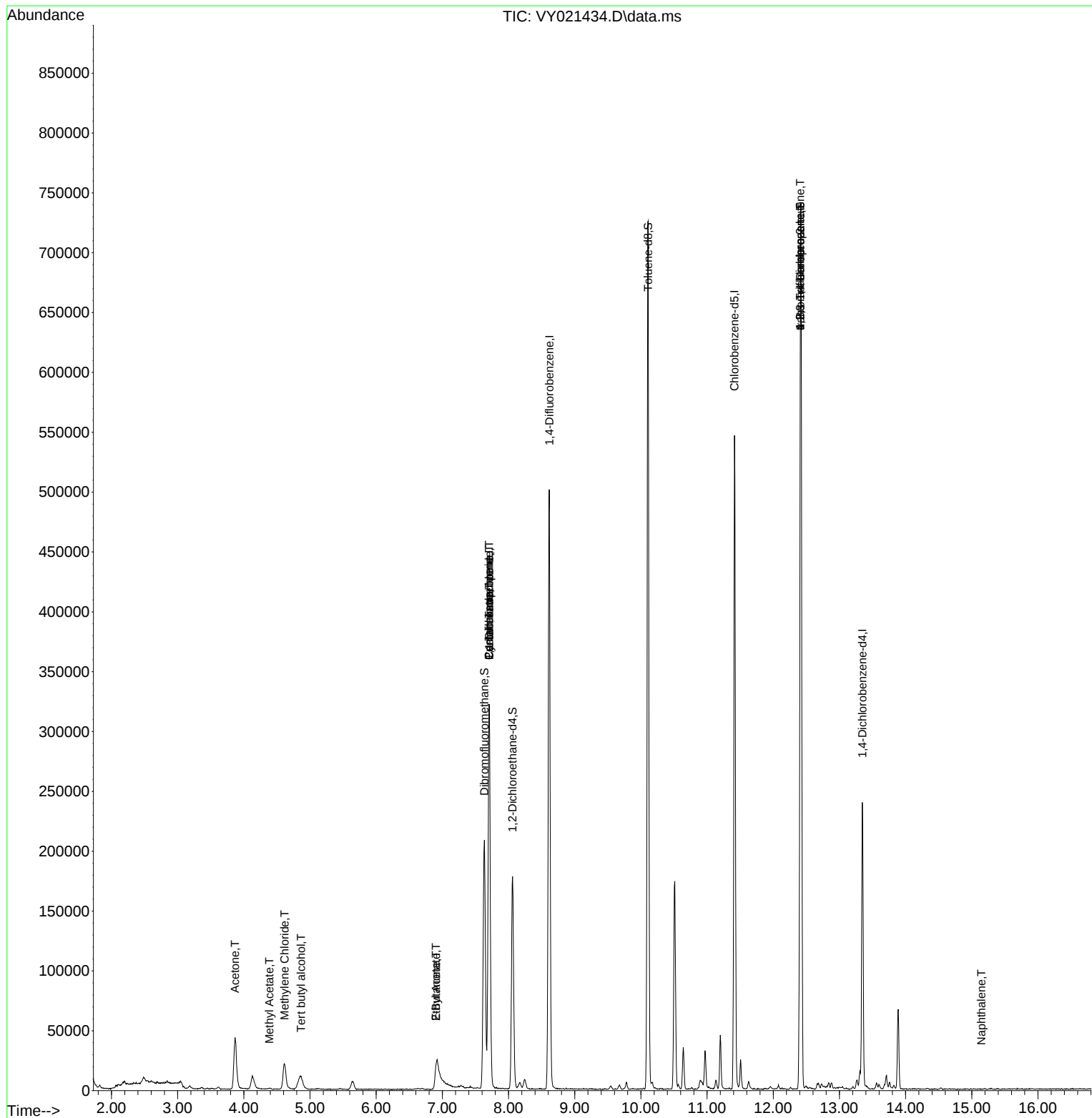
Internal Standards						
1) Pentafluorobenzene	7.707	168	238715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	411777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	278011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	57595	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	141309	56.007	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.020%	
35) Dibromofluoromethane	7.634	113	146703	54.201	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.400%	
50) Toluene-d8	10.109	98	461537	45.035	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 90.080%	
62) 4-Bromofluorobenzene	12.408	95	86337	24.766	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 49.540%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.866	59	20909	115.320	ug/l	100
16) Acetone	3.867	43	79381	144.249	ug/l	90
18) Methyl Acetate	4.385	43	1980	1.622	ug/l #	87
20) Methylene Chloride	4.616	84	15230	5.272	ug/l	97
25) 2-Butanone	6.903	43	5113	6.717	ug/l	90
31) Cyclohexane	7.707	56	5796	1.227	ug/l #	12
36) 1,1-Dichloropropene	7.707	75	19961	4.711	ug/l #	50
37) Ethyl Acetate	6.903	43	5113	2.730	ug/l #	68
38) Carbon Tetrachloride	7.707	117	24322	4.992	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	53128	91.541	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	53128	208.101	ug/l #	9
95) Naphthalene	15.145	128	225	1.593	ug/l #	69

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

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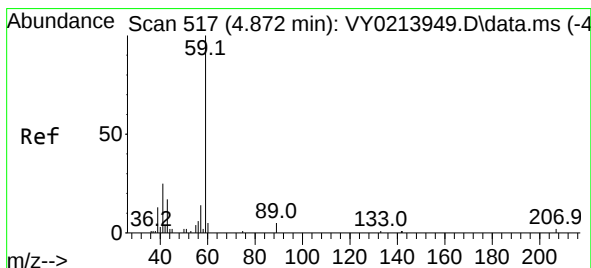
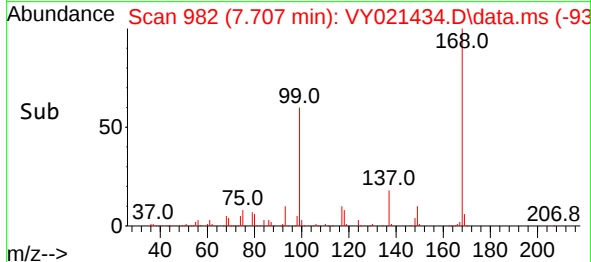
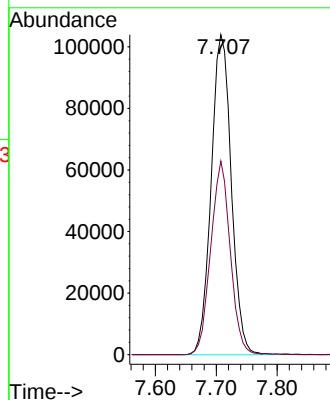
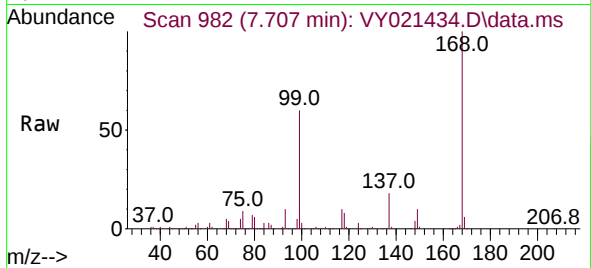




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021434.D
Acq: 06 Mar 2025 15:02

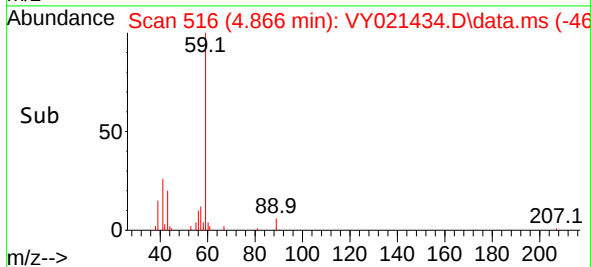
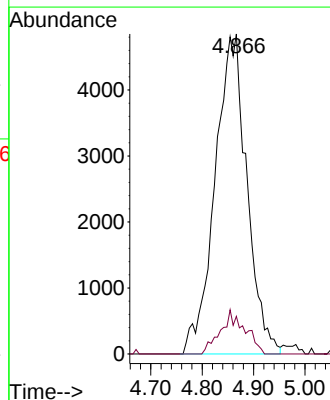
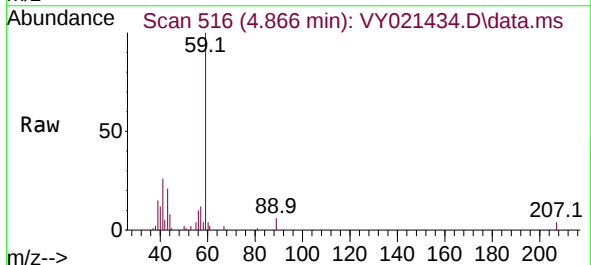
Instrument :
MSVOA_Y
ClientSampleId :
DSP2

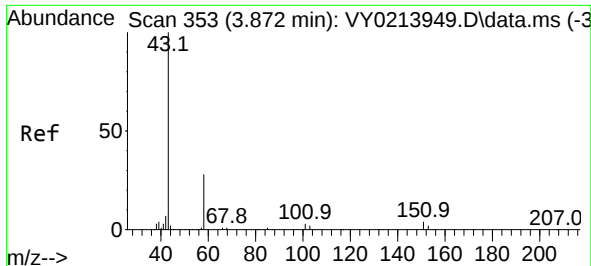
Tgt Ion:168 Resp: 238715
Ion Ratio Lower Upper
168 100
99 60.5 46.0 69.0



#11
Tert butyl alcohol
Concen: 115.320 ug/l
RT: 4.866 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY021434.D
Acq: 06 Mar 2025 15:02

Tgt Ion: 59 Resp: 20909
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.4

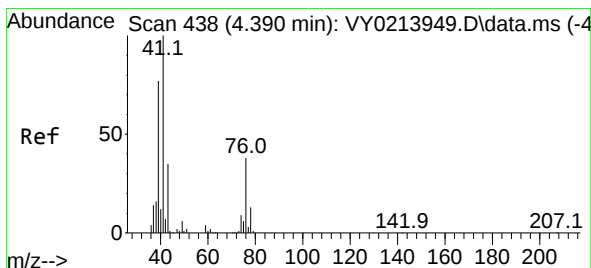
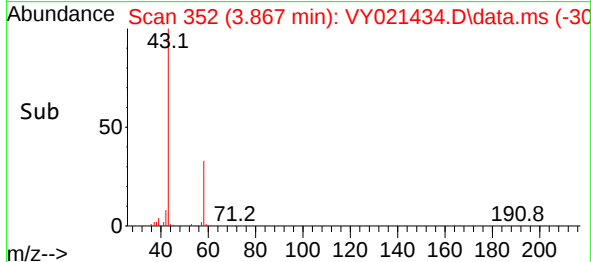
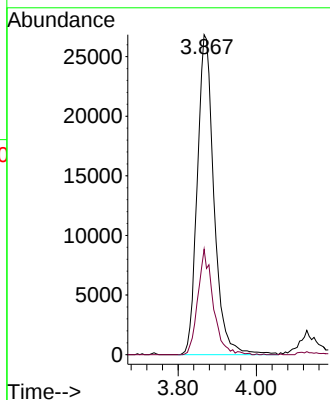
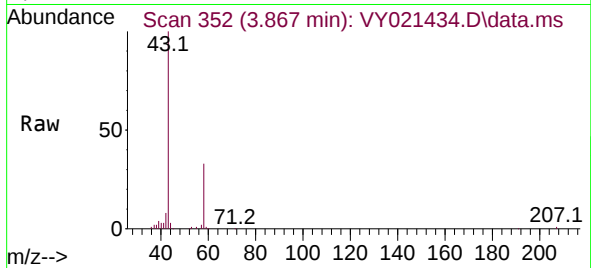




#16
Acetone
Concen: 144.249 ug/l
RT: 3.867 min Scan# 31
Delta R.T. -0.005 min
Lab File: VY021434.D
Acq: 06 Mar 2025 15:02

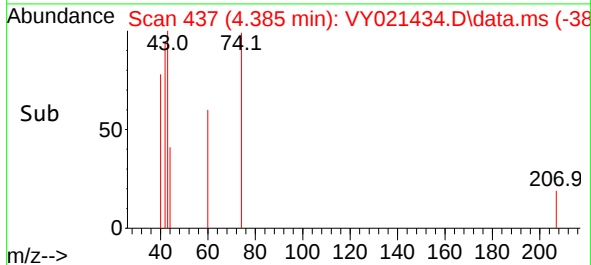
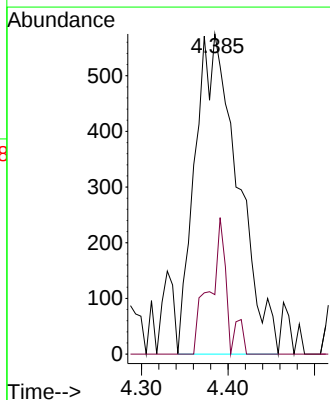
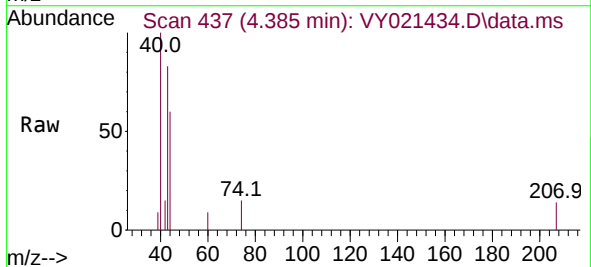
Instrument :
MSVOA_Y
ClientSampleId :
DSP2

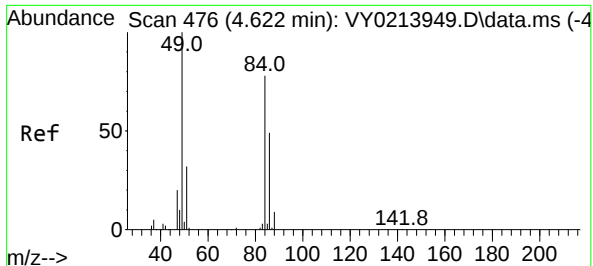
Tgt Ion: 43 Resp: 79381
Ion Ratio Lower Upper
43 100
58 33.0 22.1 33.1



#18
Methyl Acetate
Concen: 1.622 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY021434.D
Acq: 06 Mar 2025 15:02

Tgt Ion: 43 Resp: 1980
Ion Ratio Lower Upper
43 100
74 17.6 19.4 29.0#





#20

Methylene Chloride

Concen: 5.272 ug/l

RT: 4.616 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY021434.D

Acq: 06 Mar 2025 15:02

Instrument :

MSVOA_Y

ClientSampleId :

DSP2

Tgt Ion: 84 Resp: 15230

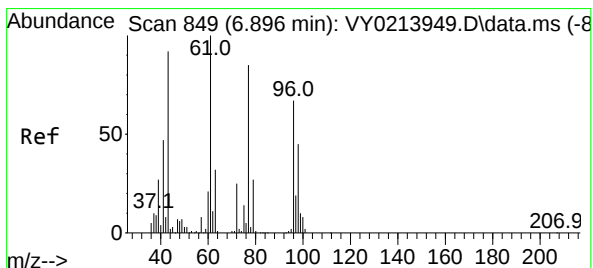
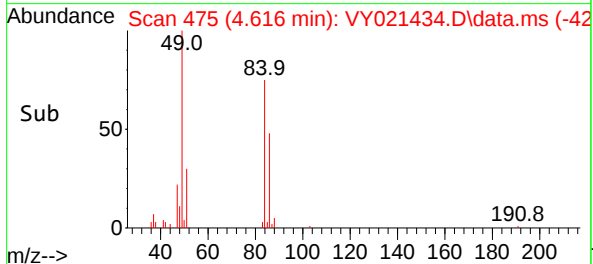
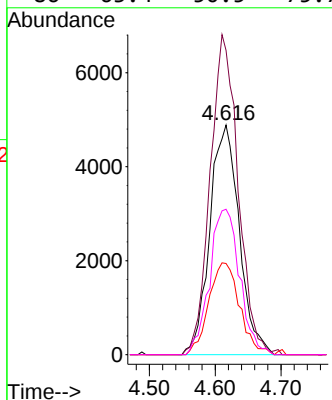
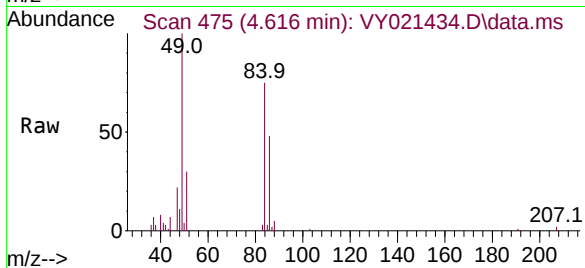
Ion Ratio Lower Upper

84 100

49 132.6 102.0 153.0

51 39.7 33.0 49.6

86 63.4 50.5 75.7



#25

2-Butanone

Concen: 6.717 ug/l

RT: 6.903 min Scan# 850

Delta R.T. 0.006 min

Lab File: VY021434.D

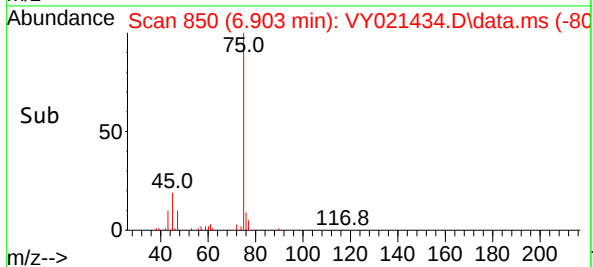
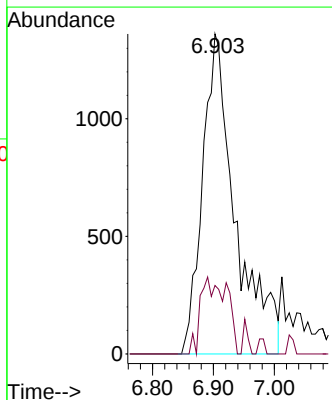
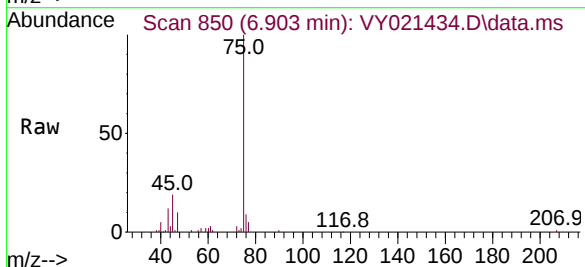
Acq: 06 Mar 2025 15:02

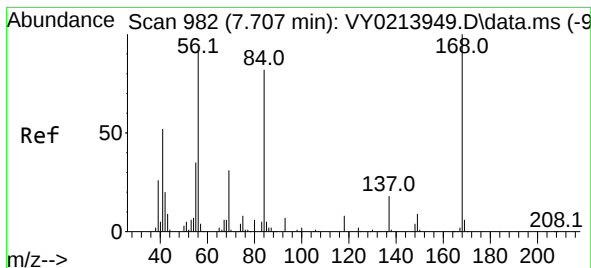
Tgt Ion: 43 Resp: 5113

Ion Ratio Lower Upper

43 100

72 21.4 21.4 32.0





#31

Cyclohexane

Concen: 1.227 ug/l

RT: 7.707 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY021434.D

Acq: 06 Mar 2025 15:02

Instrument :

MSVOA_Y

ClientSampleId :

DSP2

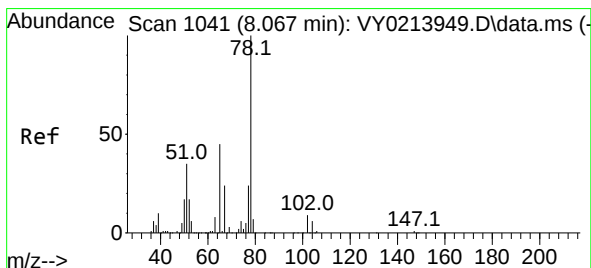
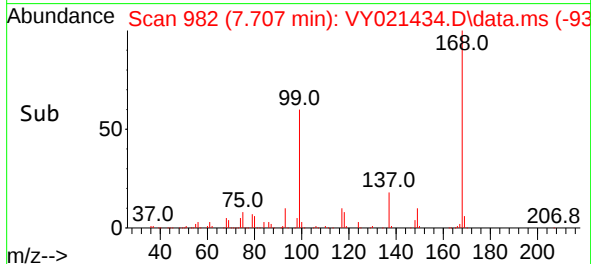
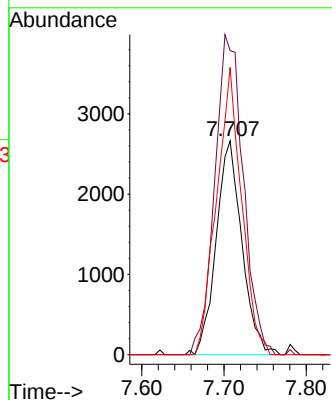
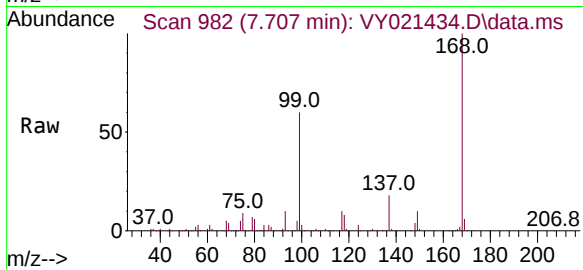
Tgt Ion: 56 Resp: 5796

Ion Ratio Lower Upper

56 100

69 142.2 27.0 40.4#

84 134.4 71.1 106.7#



#33

1,2-Dichloroethane-d4

Concen: 56.007 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY021434.D

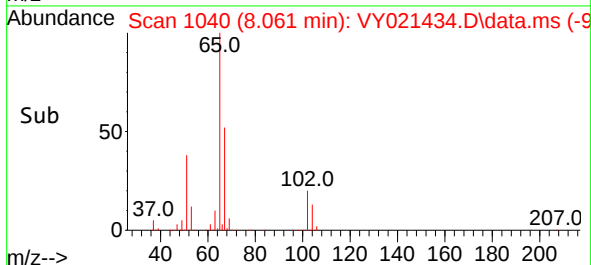
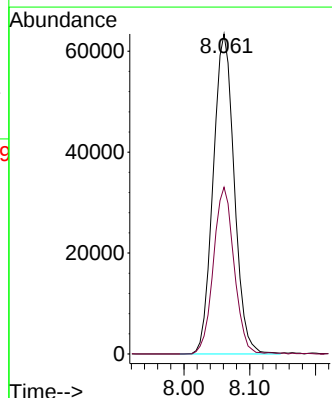
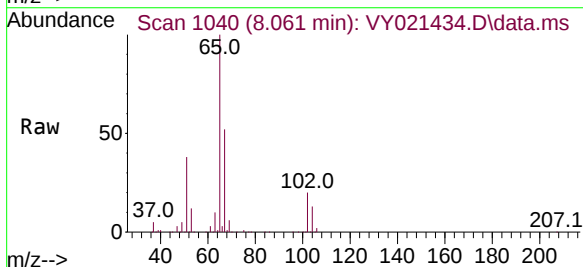
Acq: 06 Mar 2025 15:02

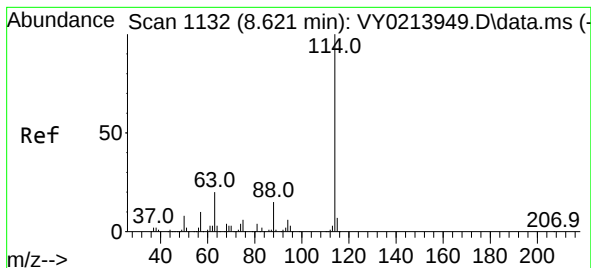
Tgt Ion: 65 Resp: 141309

Ion Ratio Lower Upper

65 100

67 51.3 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021434.D

Acq: 06 Mar 2025 15:02

Instrument :

MSVOA_Y

ClientSampleId :

DSP2

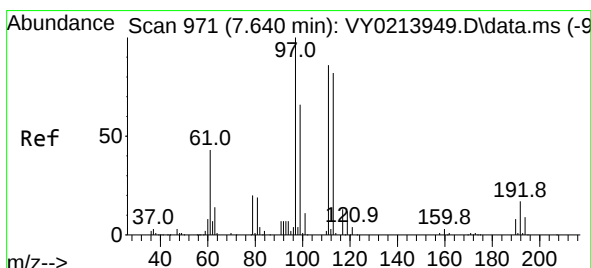
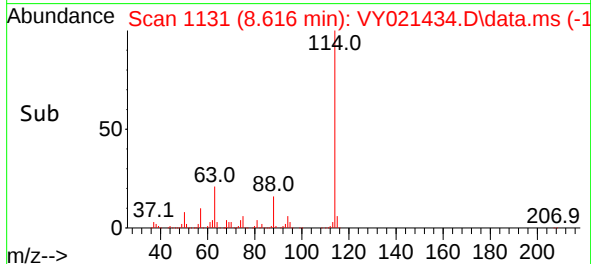
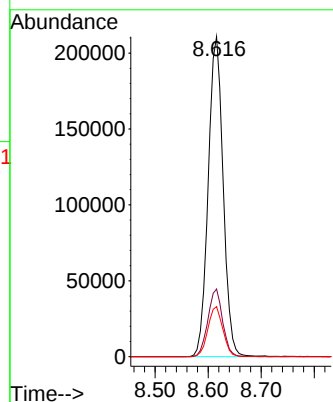
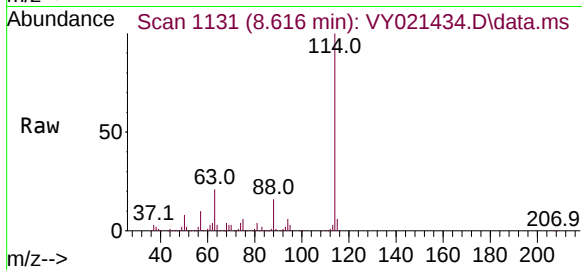
Tgt Ion:114 Resp: 411777

Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.8

88 15.7 0.0 30.8



#35

Dibromofluoromethane

Concen: 54.201 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021434.D

Acq: 06 Mar 2025 15:02

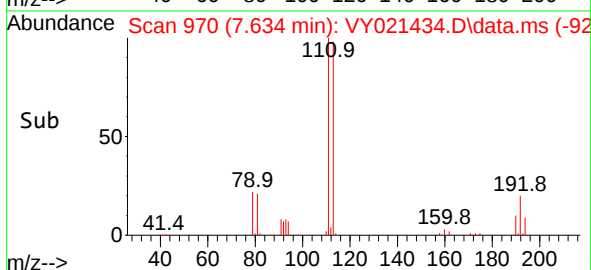
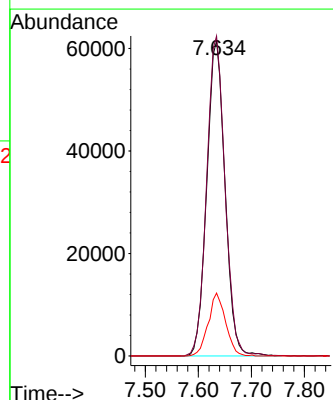
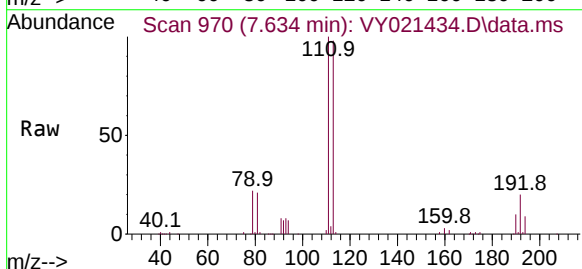
Tgt Ion:113 Resp: 146703

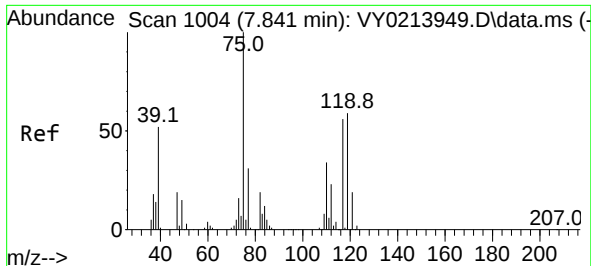
Ion Ratio Lower Upper

113 100

111 102.1 82.0 123.0

192 19.0 15.9 23.9

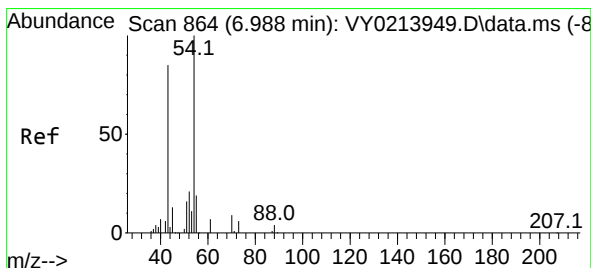
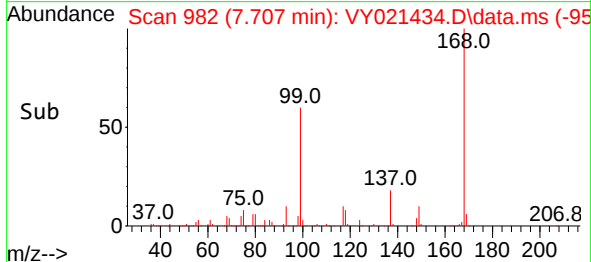
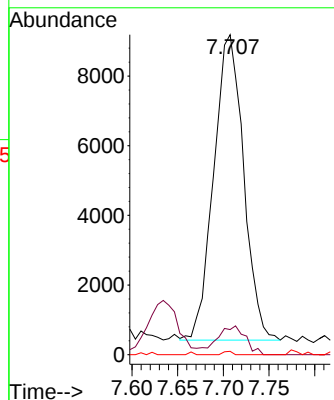
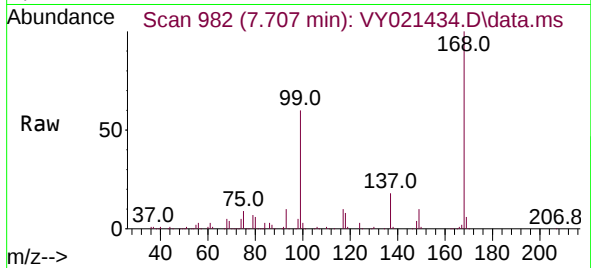




#36
 1,1-Dichloropropene
 Concen: 4.711 ug/l
 RT: 7.707 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY021434.D
 Acq: 06 Mar 2025 15:02

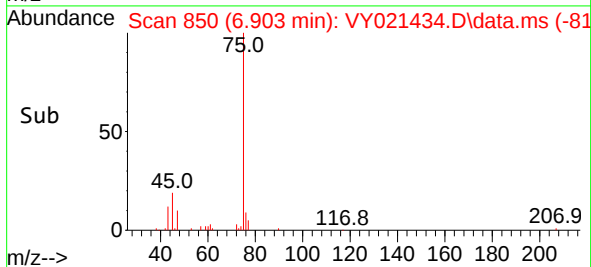
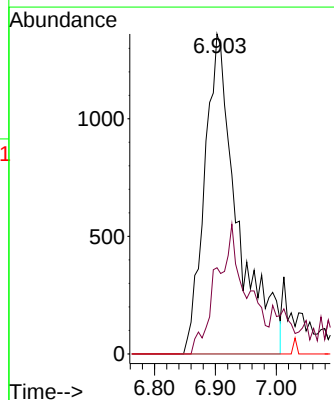
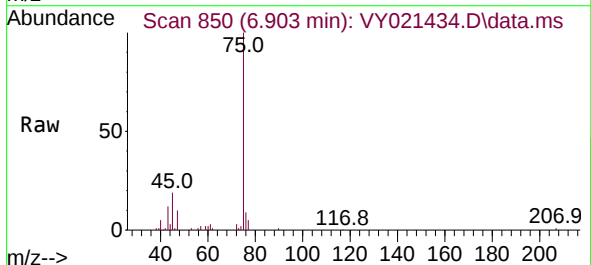
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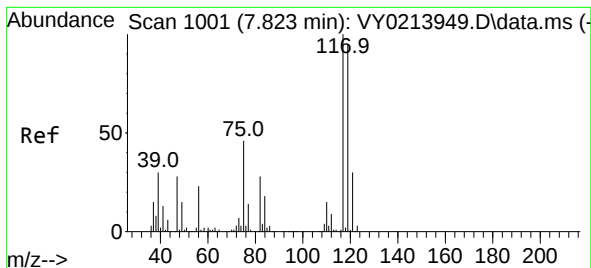
Tgt Ion: 75 Resp: 19961
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.3 51.7#
 77 0.3 25.4 38.2#



#37
 Ethyl Acetate
 Concen: 2.730 ug/l
 RT: 6.903 min Scan# 850
 Delta R.T. -0.085 min
 Lab File: VY021434.D
 Acq: 06 Mar 2025 15:02

Tgt Ion: 43 Resp: 5113
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.4 17.0#
 70 0.0 8.2 12.2#





#38

Carbon Tetrachloride

Concen: 4.992 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.115 min

Lab File: VY021434.D

Acq: 06 Mar 2025 15:02

Instrument :

MSVOA_Y

ClientSampleId :

DSP2

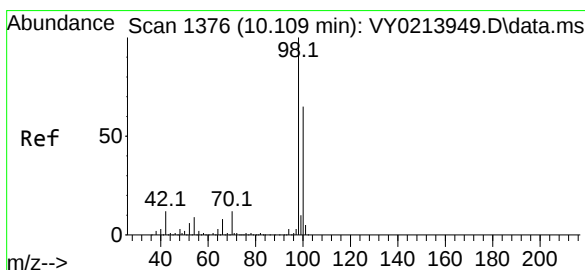
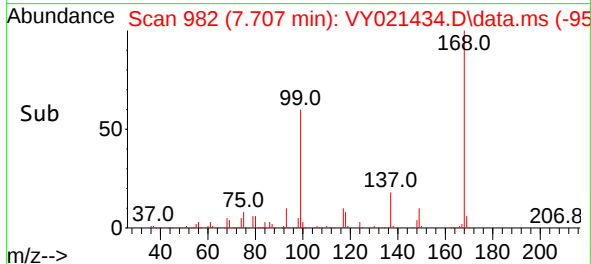
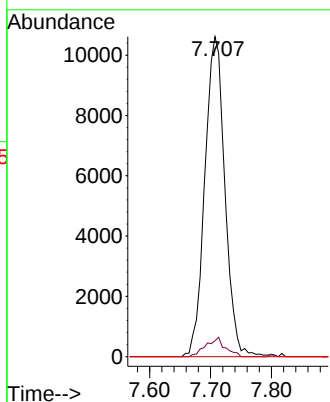
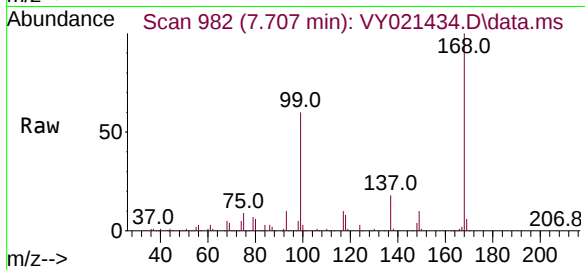
Tgt Ion:117 Resp: 24322

Ion Ratio Lower Upper

117 100

119 5.0 75.8 113.8#

121 0.0 23.9 35.9#



#50

Toluene-d8

Concen: 45.035 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021434.D

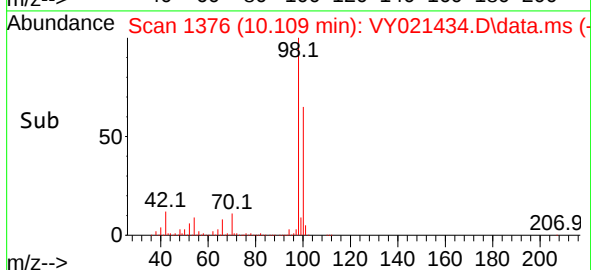
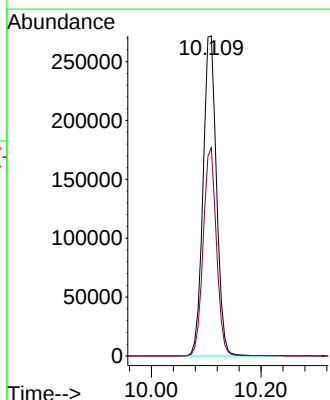
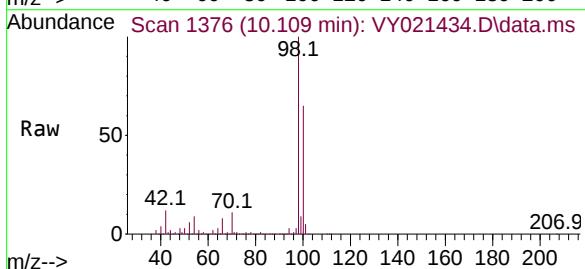
Acq: 06 Mar 2025 15:02

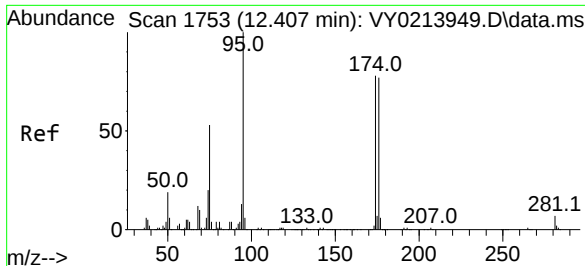
Tgt Ion: 98 Resp: 461537

Ion Ratio Lower Upper

98 100

100 64.1 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 24.766 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021434.D

Acq: 06 Mar 2025 15:02

Instrument :

MSVOA_Y

ClientSampleId :

DSP2

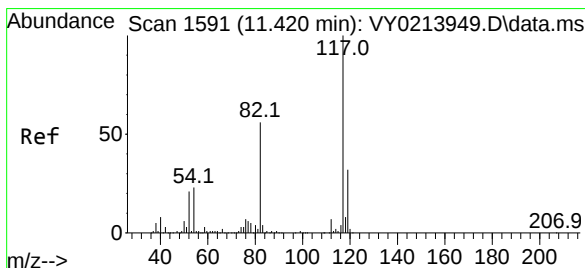
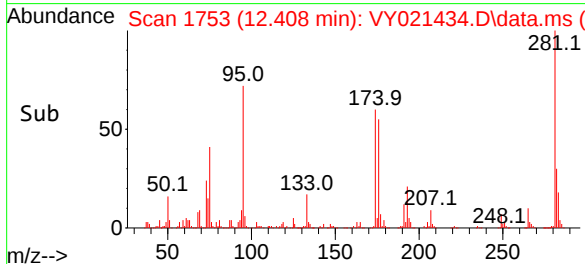
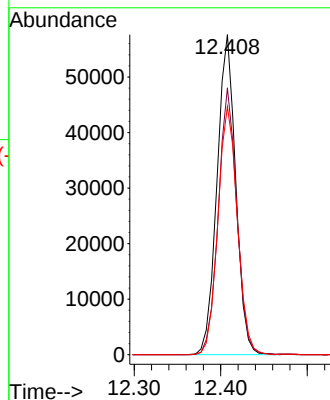
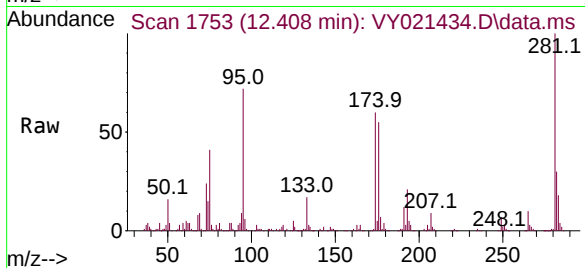
Tgt Ion: 95 Resp: 86337

Ion Ratio Lower Upper

95 100

174 82.5 0.0 165.0

176 80.5 0.0 160.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY021434.D

Acq: 06 Mar 2025 15:02

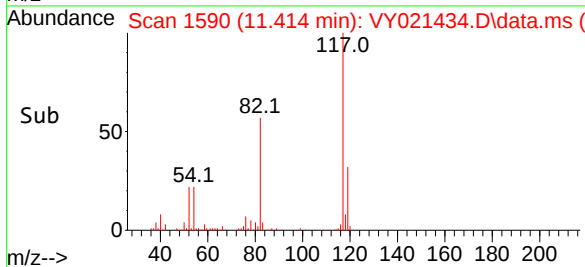
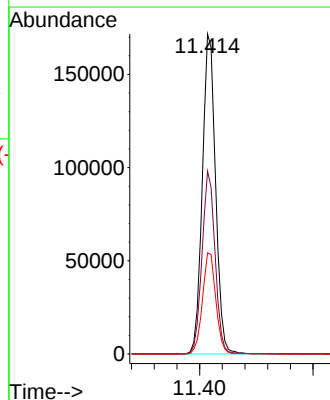
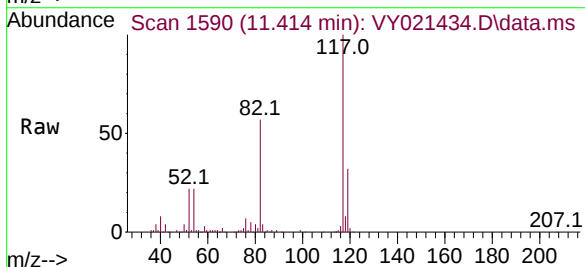
Tgt Ion: 117 Resp: 278011

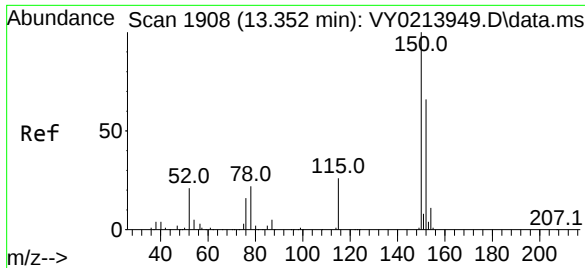
Ion Ratio Lower Upper

117 100

82 57.1 44.6 67.0

119 31.6 25.4 38.0

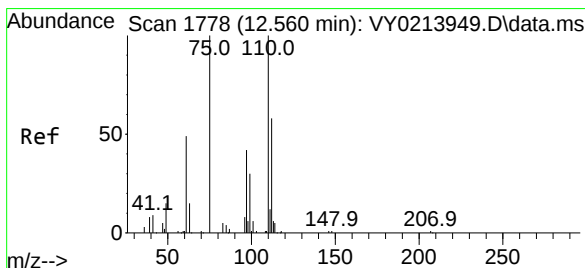
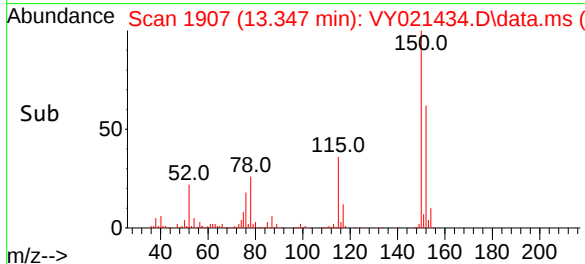
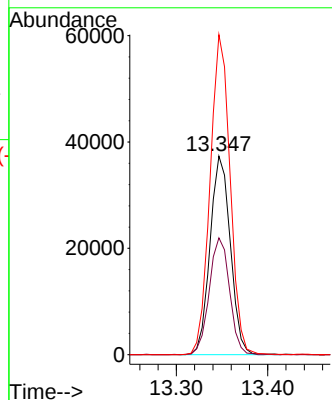
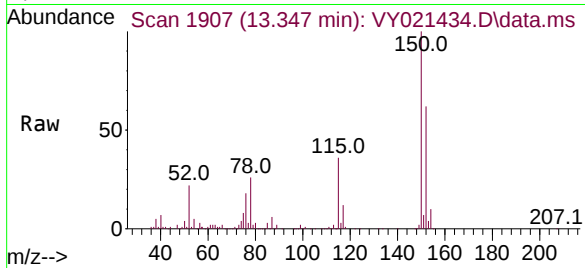




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VY021434.D
 Acq: 06 Mar 2025 15:02

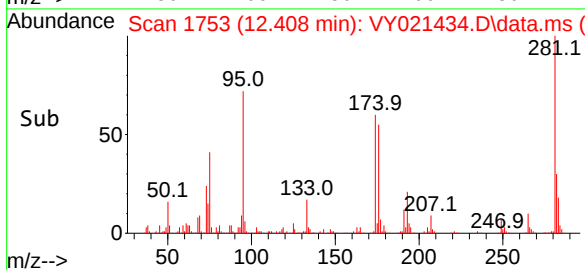
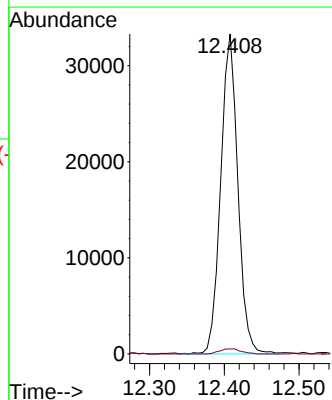
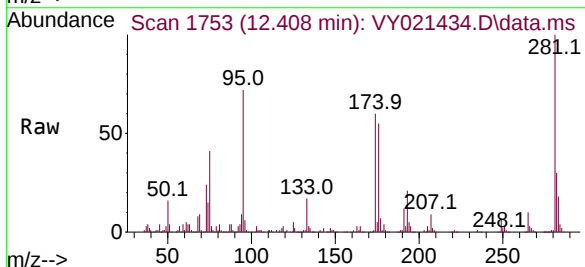
Instrument :
 MSVOA_Y
 ClientSampleId :
 DSP2

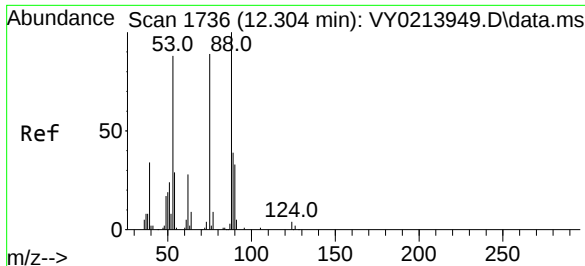
Tgt Ion:152 Resp: 57595
 Ion Ratio Lower Upper
 152 100
 115 58.7 29.0 87.0
 150 158.7 0.0 347.2



#76
 1,2,3-Trichloropropane
 Concen: 91.541 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021434.D
 Acq: 06 Mar 2025 15:02

Tgt Ion: 75 Resp: 53128
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#

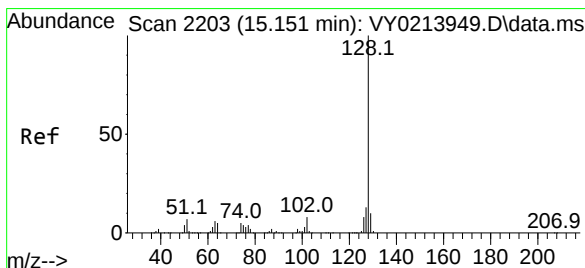
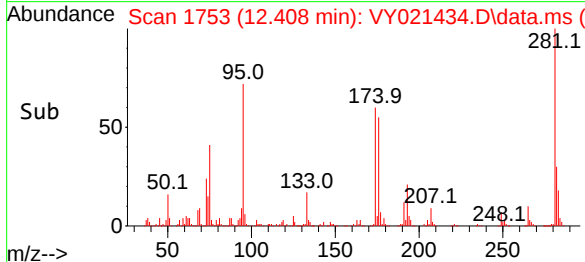
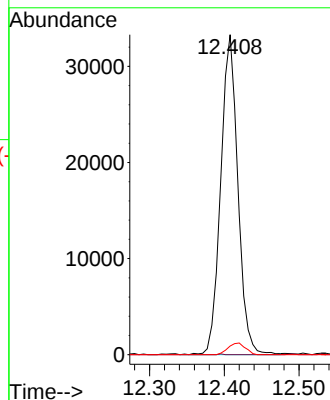
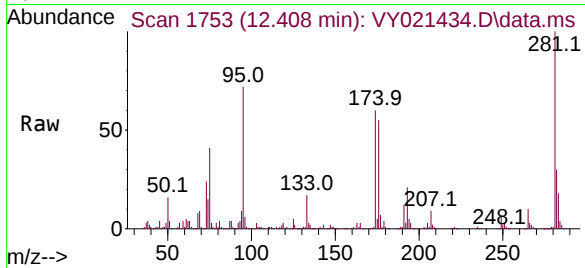




#81
 trans-1,4-Dichloro-2-butene
 Concen: 208.101 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021434.D
 Acq: 06 Mar 2025 15:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 DSP2

Tgt Ion: 75 Resp: 53128
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.0 121.4#
 89 0.0 36.9 55.3#



#95
 Naphthalene
 Concen: 1.593 ug/l
 RT: 15.145 min Scan# 2202
 Delta R.T. -0.006 min
 Lab File: VY021434.D
 Acq: 06 Mar 2025 15:02

Tgt Ion: 128 Resp: 225
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 15.8#
 129 0.0 8.6 13.0#

