

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
 Data File : VY021330.D
 Acq On : 26 Feb 2025 14:40
 Operator : SY/MD
 Sample : Q1401-09
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BP-VPB-192-GW-880-882

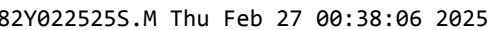
Quant Time: Feb 27 00:37:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

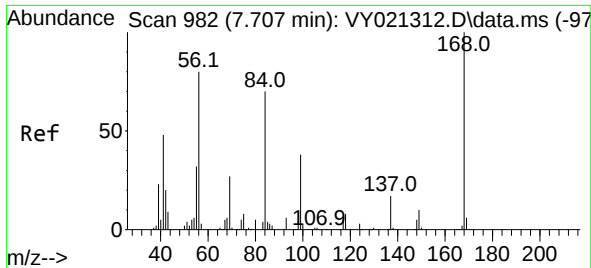
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	240939	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	470542	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	479899	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	211748	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	161582	59.117	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.240%	
35) Dibromofluoromethane	7.634	113	156697	50.795	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.580%	
50) Toluene-d8	10.103	98	588717	49.379	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.760%	
62) 4-Bromofluorobenzene	12.401	95	223879	55.797	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.600%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.866	59	299	1.422	ug/l #	72
16) Acetone	3.866	43	2516	4.799	ug/l #	84
20) Methylene Chloride	4.616	84	5204	1.836	ug/l	98
25) 2-Butanone	6.896	43	1040	1.314	ug/l #	52
31) Cyclohexane	7.701	56	5783	1.200	ug/l #	31
36) 1,1-Dichloropropene	7.707	75	19432	4.193	ug/l #	51
38) Carbon Tetrachloride	7.707	117	24672	4.736	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	123865	58.441	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	123865	129.894	ug/l #	10

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

Quant Time: Feb 27 00:37:54 2025
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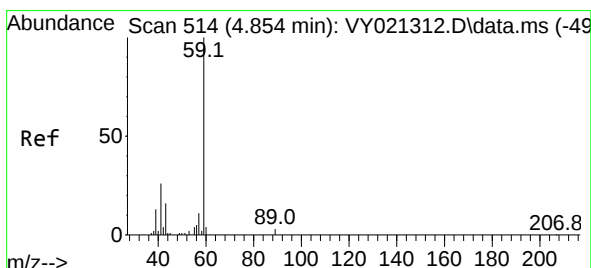
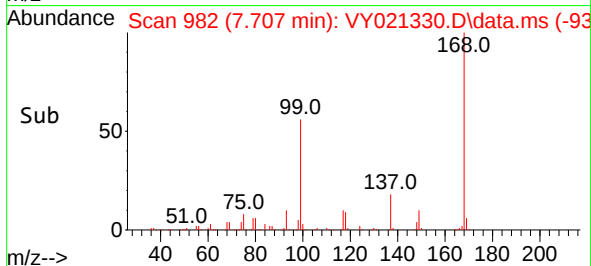
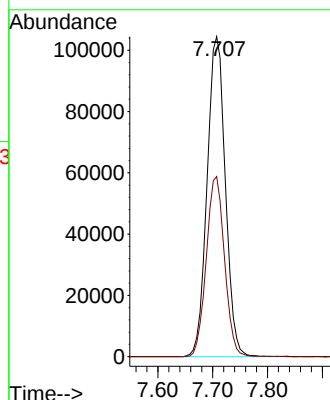
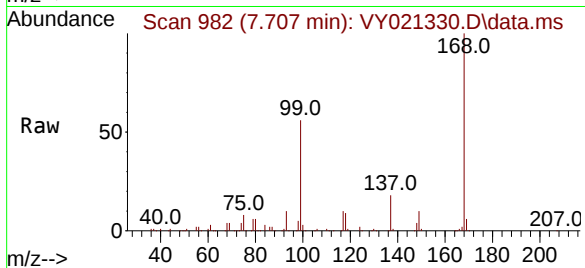




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021330.D
Acq: 26 Feb 2025 14:40

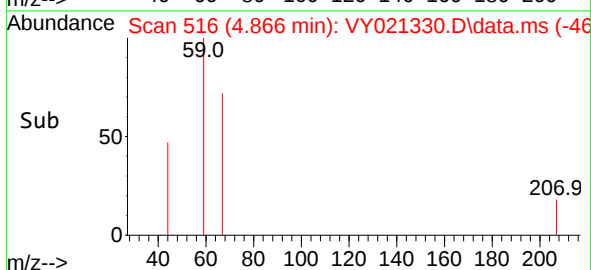
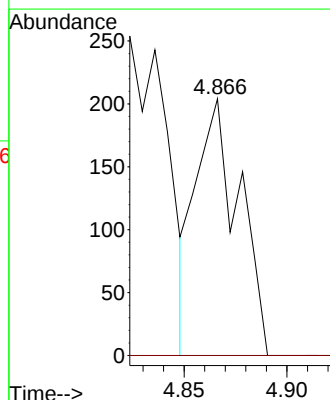
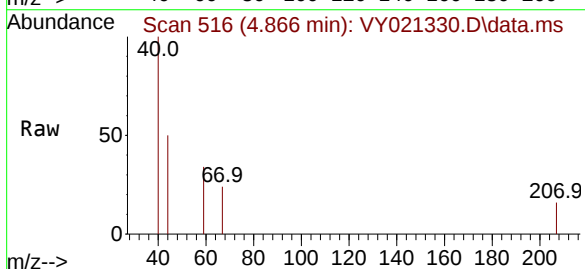
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-880-882

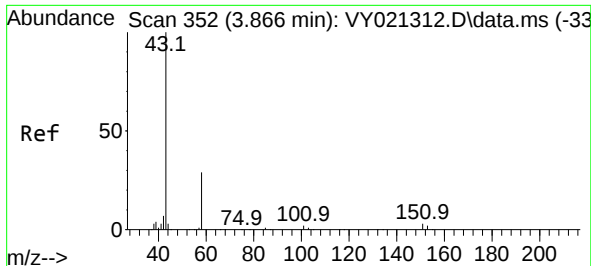
Tgt Ion:168 Resp: 240939
Ion Ratio Lower Upper
168 100
99 56.3 47.1 70.7



#11
Tert butyl alcohol
Concen: 1.422 ug/l
RT: 4.866 min Scan# 516
Delta R.T. 0.012 min
Lab File: VY021330.D
Acq: 26 Feb 2025 14:40

Tgt Ion: 59 Resp: 299
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 4.799 ug/l

RT: 3.866 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY021330.D

Acq: 26 Feb 2025 14:40

Instrument :

MSVOA_Y

ClientSampleId :

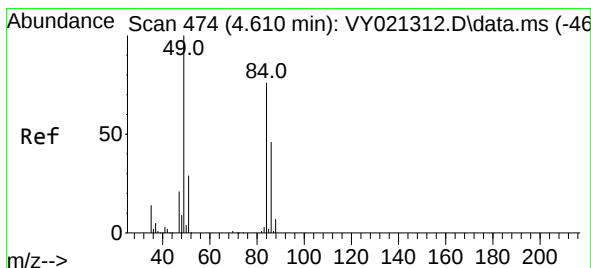
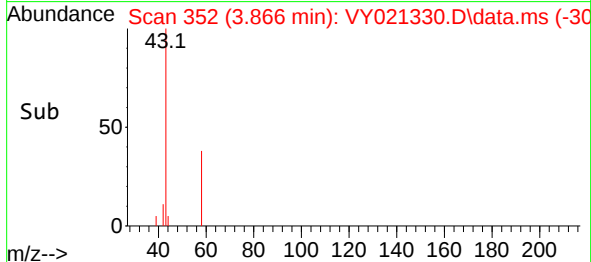
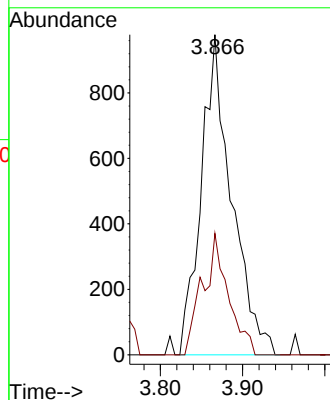
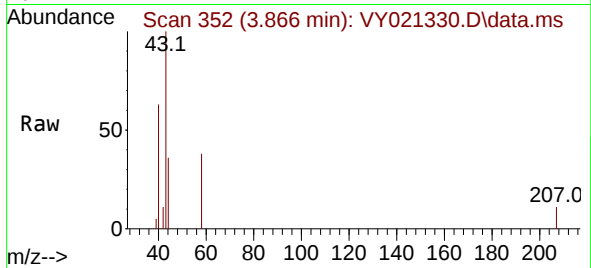
BP-VPB-192-GW-880-882

Tgt Ion: 43 Resp: 2516

Ion Ratio Lower Upper

43 100

58 37.9 23.5 35.3#



#20

Methylene Chloride

Concen: 1.836 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY021330.D

Acq: 26 Feb 2025 14:40

Tgt Ion: 84 Resp: 5204

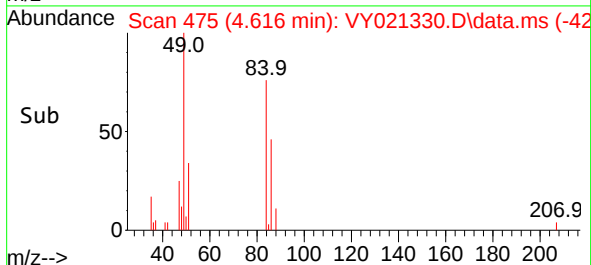
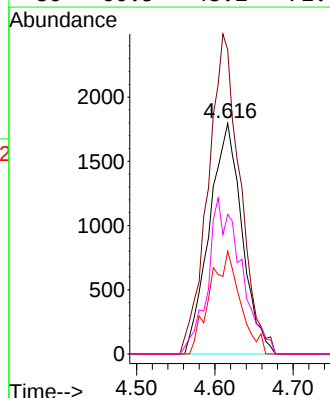
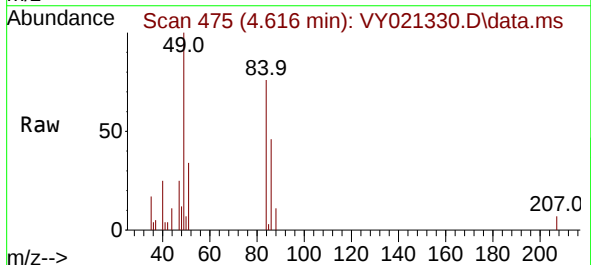
Ion Ratio Lower Upper

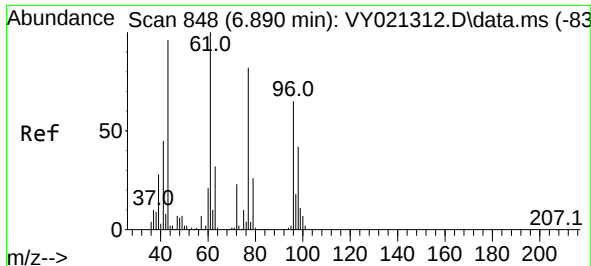
84 100

49 131.8 105.1 157.7

51 44.6 31.0 46.4

86 60.5 48.2 72.4

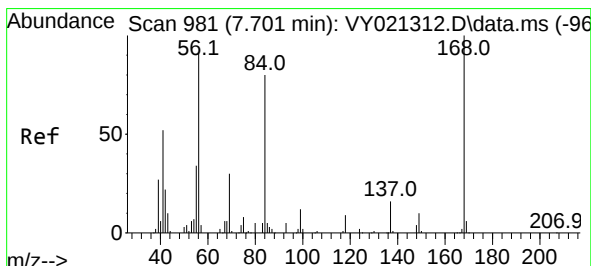
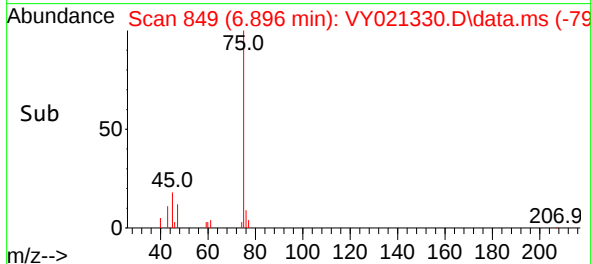
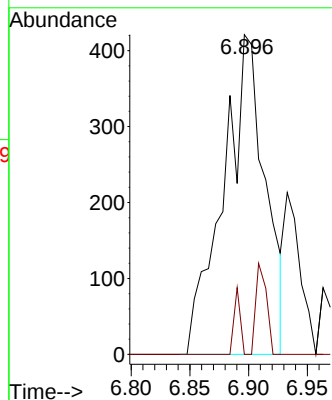
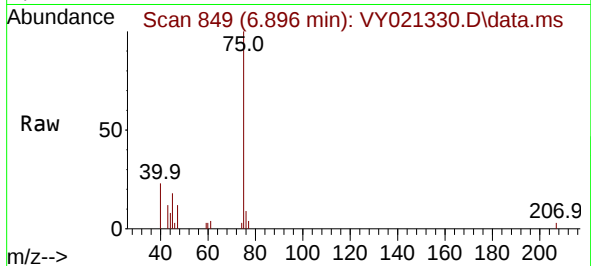




#25
2-Butanone
Concen: 1.314 ug/l
RT: 6.896 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY021330.D
Acq: 26 Feb 2025 14:40

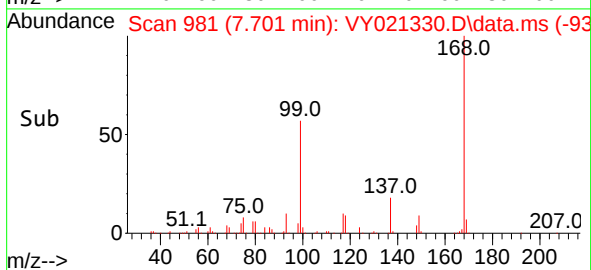
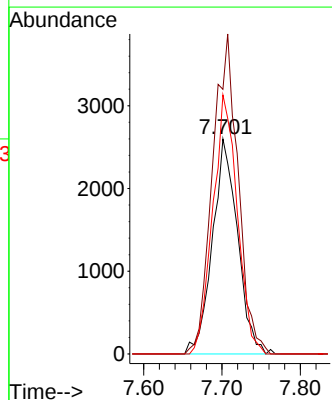
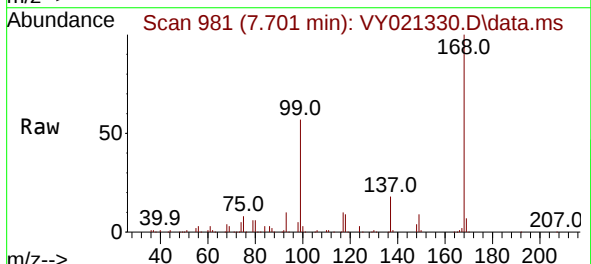
Instrument :
MSVOA_Y
ClientSampleId :
BP-VPB-192-GW-880-882

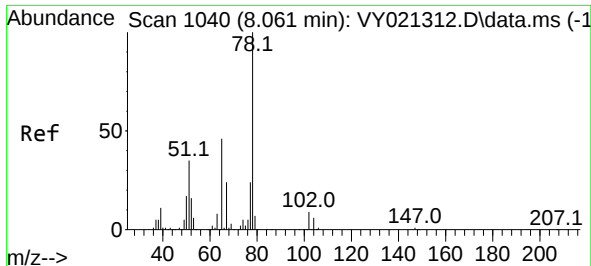
Tgt Ion: 43 Resp: 1040
Ion Ratio Lower Upper
43 100
72 0.0 19.0 28.6#



#31
Cyclohexane
Concen: 1.200 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021330.D
Acq: 26 Feb 2025 14:40

Tgt Ion: 56 Resp: 5783
Ion Ratio Lower Upper
56 100
69 123.0 26.2 39.4#
84 120.5 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 59.117 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021330.D

Acq: 26 Feb 2025 14:40

Instrument :

MSVOA_Y

ClientSampleId :

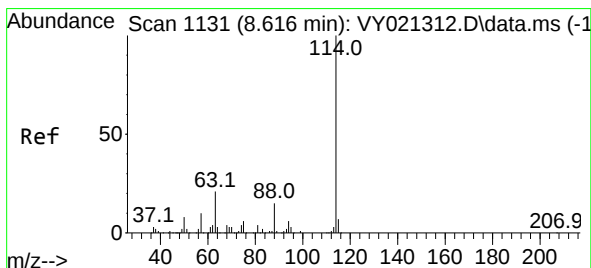
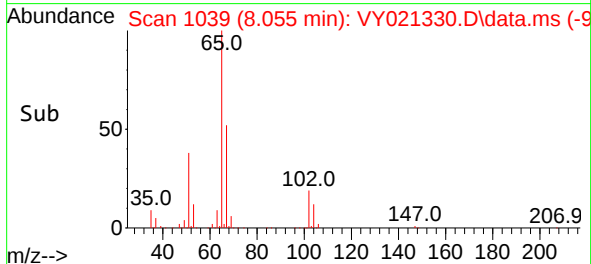
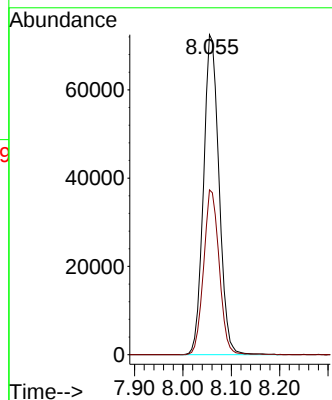
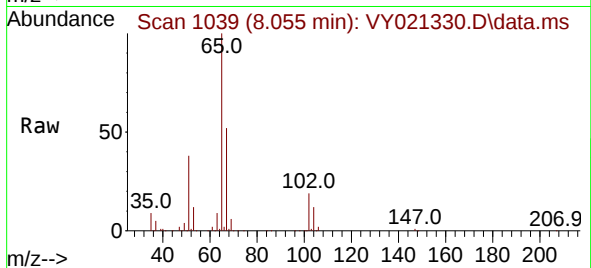
BP-VPB-192-GW-880-882

Tgt Ion: 65 Resp: 161582

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY021330.D

Acq: 26 Feb 2025 14:40

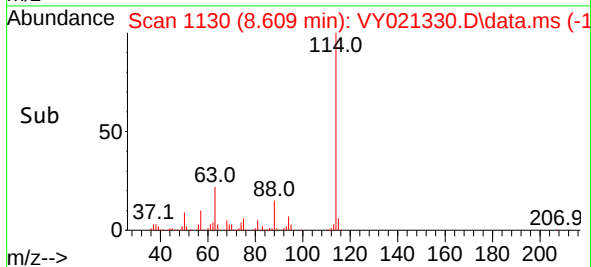
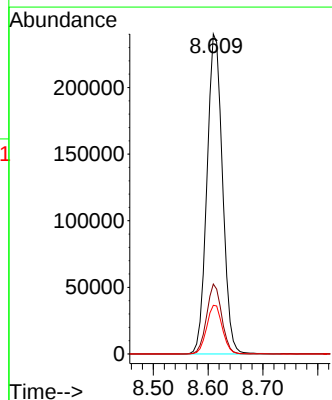
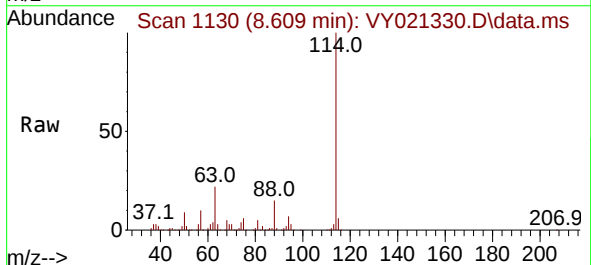
Tgt Ion: 114 Resp: 470542

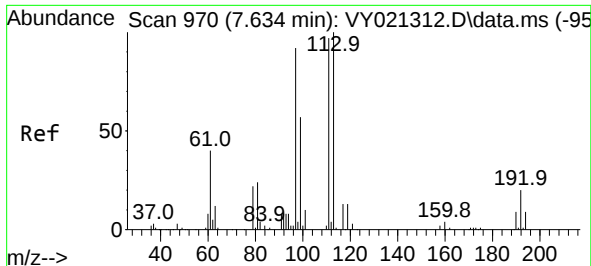
Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.2

88 15.2 0.0 29.8

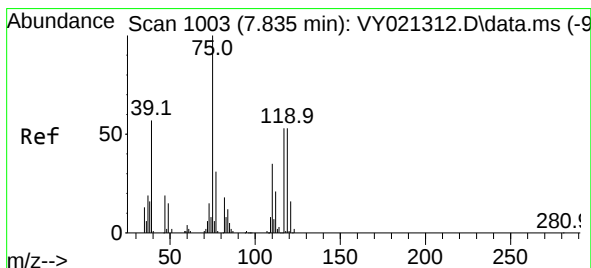
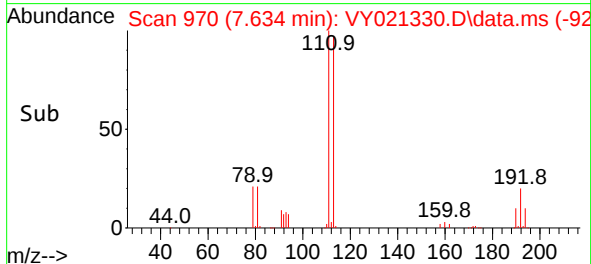
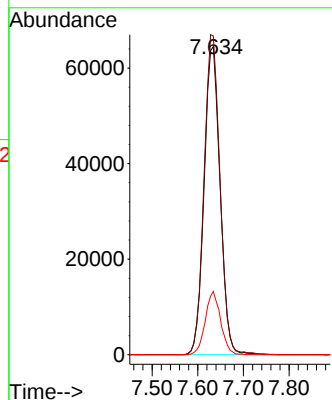
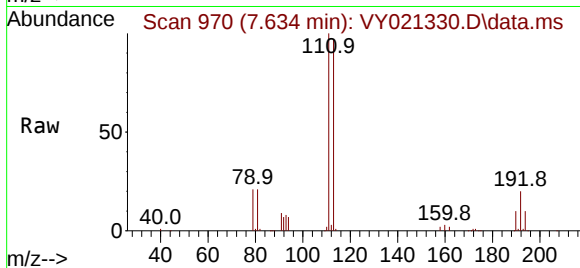




#35
Dibromofluoromethane
Concen: 50.795 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021330.D
Acq: 26 Feb 2025 14:40

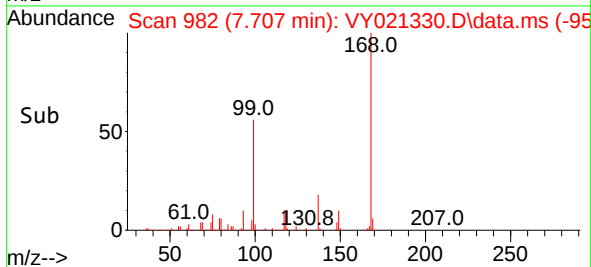
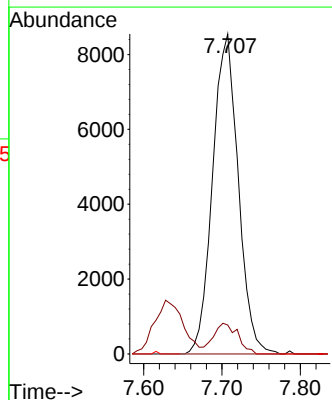
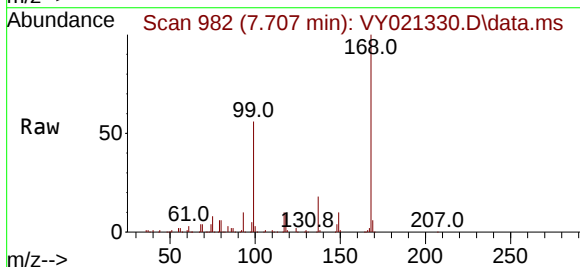
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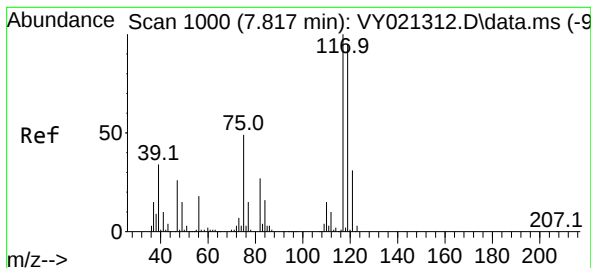
Tgt Ion:113 Resp: 156697
Ion Ratio Lower Upper
113 100
111 103.5 81.0 121.6
192 19.7 15.8 23.8



#36
1,1-Dichloropropene
Concen: 4.193 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021330.D
Acq: 26 Feb 2025 14:40

Tgt Ion: 75 Resp: 19432
Ion Ratio Lower Upper
75 100
110 9.4 16.9 50.7#
77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 4.736 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.110 min

Lab File: VY021330.D

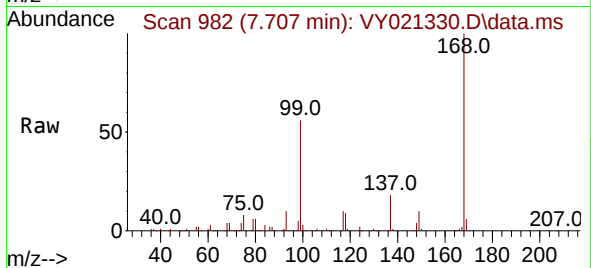
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Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-192-GW-880-882



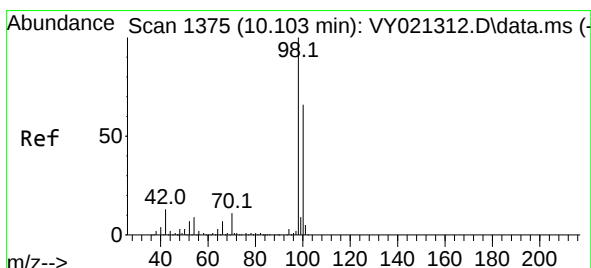
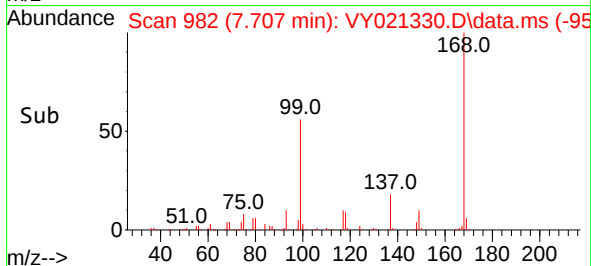
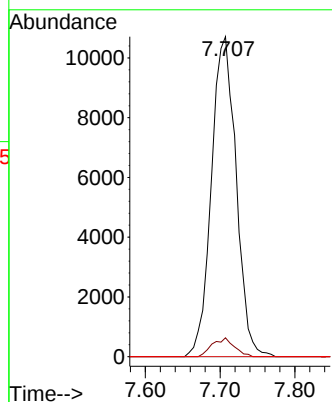
Tgt Ion:117 Resp: 24672

Ion Ratio Lower Upper

117 100

119 5.9 76.0 114.0#

121 0.0 24.9 37.3#



#50

Toluene-d8

Concen: 49.379 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY021330.D

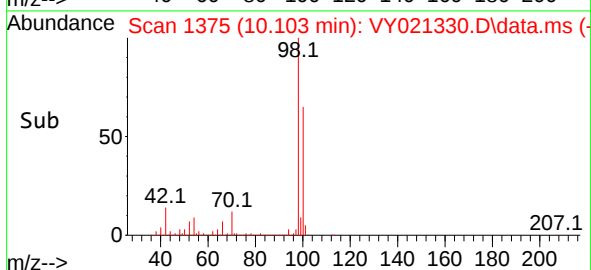
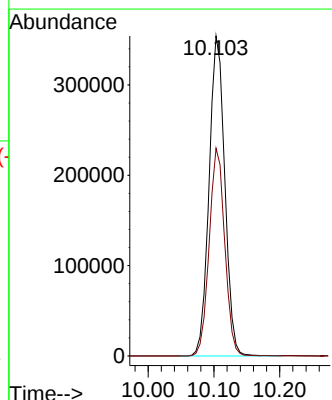
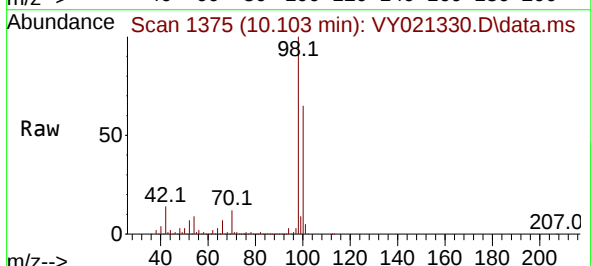
Acq: 26 Feb 2025 14:40

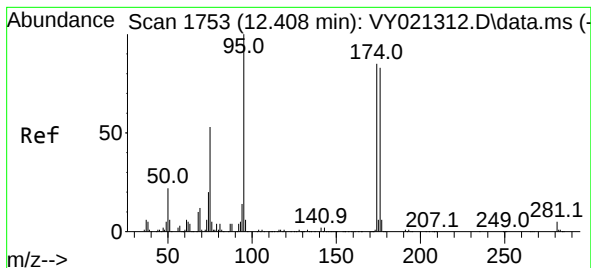
Tgt Ion: 98 Resp: 588717

Ion Ratio Lower Upper

98 100

100 64.3 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 55.797 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY021330.D

Acq: 26 Feb 2025 14:40

Instrument :

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ClientSampleId :

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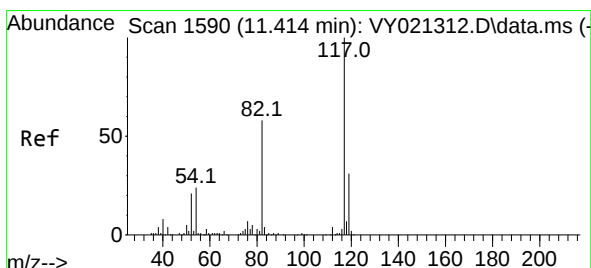
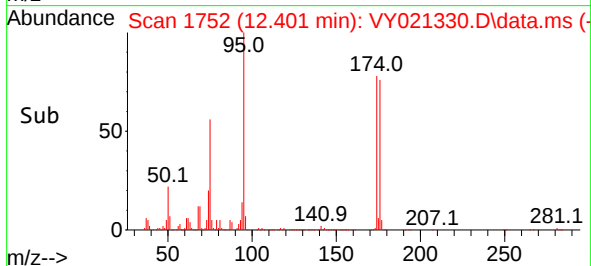
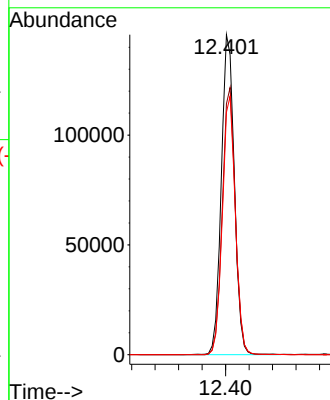
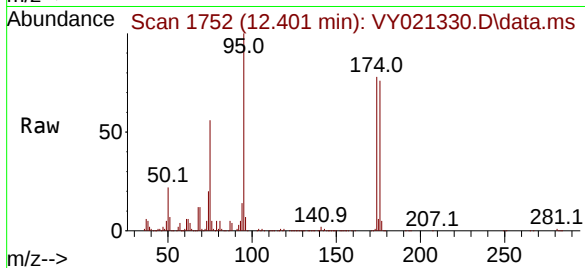
Tgt Ion: 95 Resp: 223879

Ion Ratio Lower Upper

95 100

174 83.1 0.0 168.0

176 80.5 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: VY021330.D

Acq: 26 Feb 2025 14:40

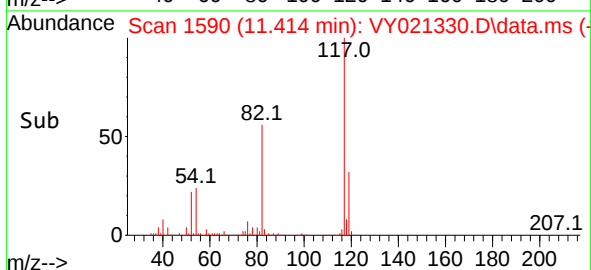
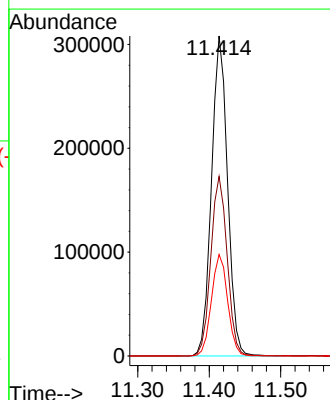
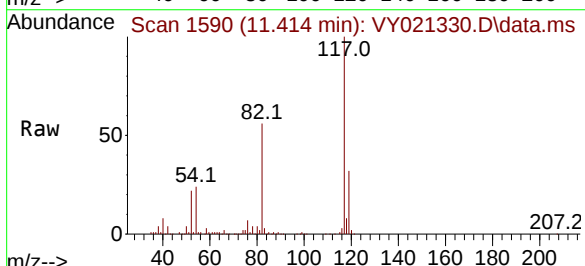
Tgt Ion: 117 Resp: 479899

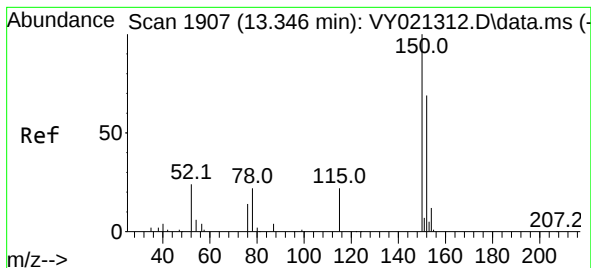
Ion Ratio Lower Upper

117 100

82 56.1 46.2 69.4

119 31.7 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: VY021330.D

Acq: 26 Feb 2025 14:40

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-192-GW-880-882

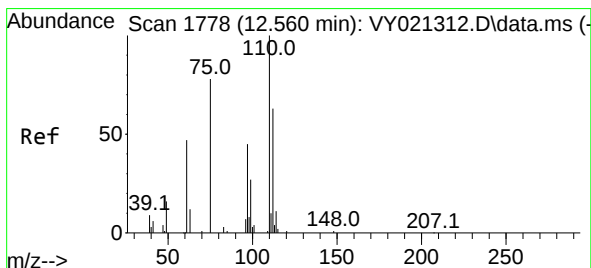
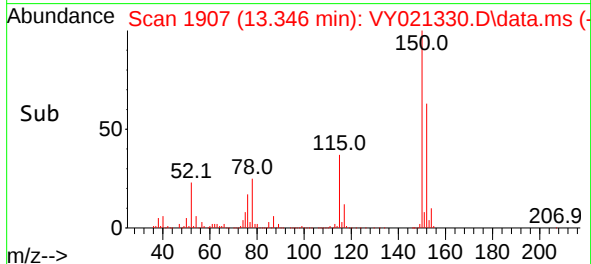
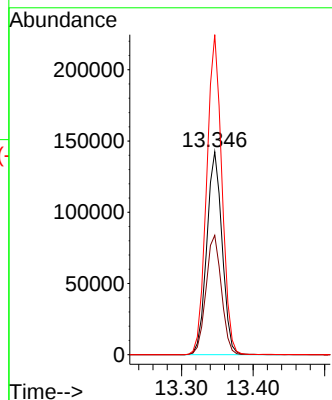
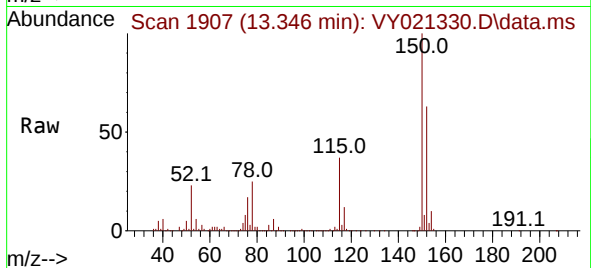
Tgt Ion:152 Resp: 211748

Ion Ratio Lower Upper

152 100

115 59.5 29.3 88.0

150 156.8 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 58.441 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY021330.D

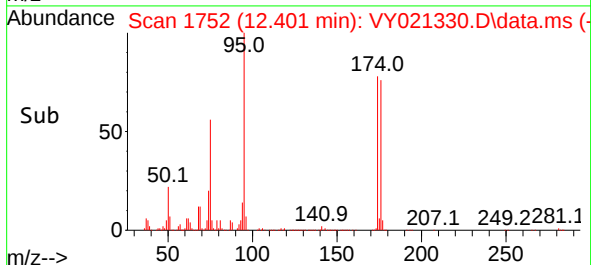
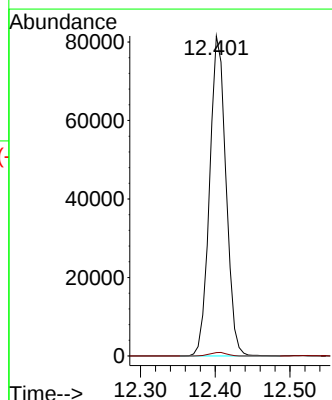
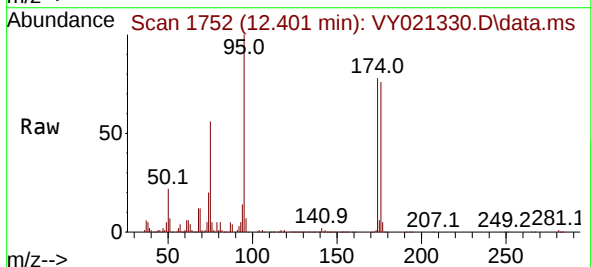
Acq: 26 Feb 2025 14:40

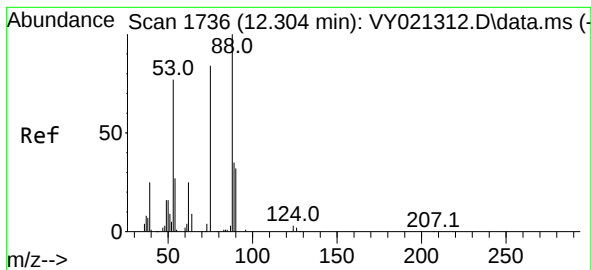
Tgt Ion: 75 Resp: 123865

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 129.894 ug/l

RT: 12.401 min Scan# 11

Delta R.T. 0.098 min

Lab File: VY021330.D

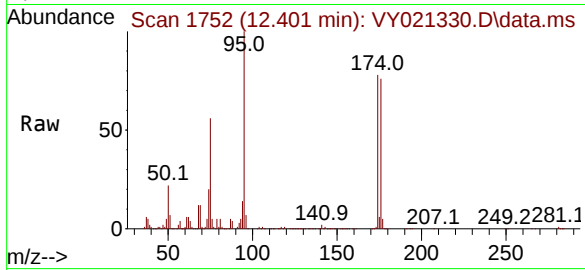
Acq: 26 Feb 2025 14:40

Instrument :

MSVOA_Y

ClientSampleId :

BP-VPB-192-GW-880-882



Tgt Ion: 75 Resp: 123865

Ion Ratio Lower Upper

75 100

53 0.2 79.1 118.7#

89 0.0 35.6 53.4#

