

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
 Data File : VY022079.D
 Acq On : 30 Apr 2025 13:34
 Operator : SY/MD
 Sample : Q1883-05
 Misc : 13.86g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-29-042325

Quant Time: May 01 01:35:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

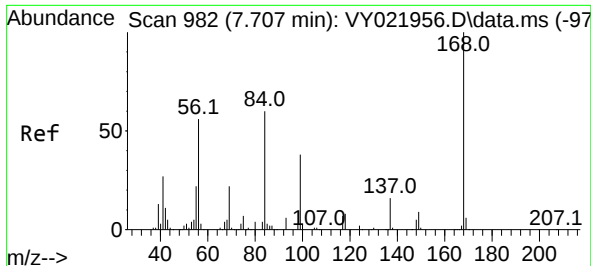
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	289133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	542827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	488361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	194579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	142518	53.364	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.720%	
35) Dibromofluoromethane	7.628	113	183792	51.250	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.500%	
50) Toluene-d8	10.103	98	655856	48.510	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.020%	
62) 4-Bromofluorobenzene	12.401	95	270533	59.440	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 118.880%	
Target Compounds						
16) Acetone	3.866	43	570	Below Cal	#	41
20) Methylene Chloride	4.610	84	5925	1.755	ug/l	91
31) Cyclohexane	7.707	56	5433	1.231	ug/l #	22
36) 1,1-Dichloropropene	7.707	75	21171	4.395	ug/l #	49
38) Carbon Tetrachloride	7.707	117	28422	4.938	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	2305	1.323	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	129365	77.619	ug/l #	100
77) Bromobenzene	12.609	156	27284	8.306	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.401	75	129365	186.918	ug/l #	16

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

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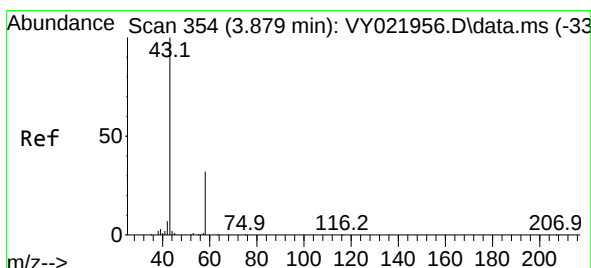
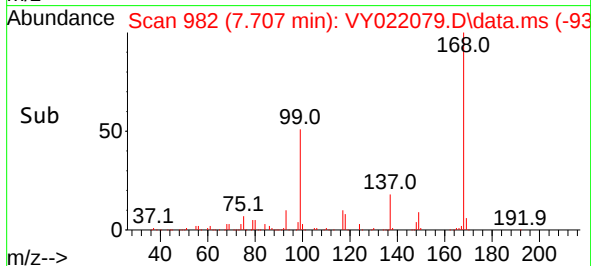
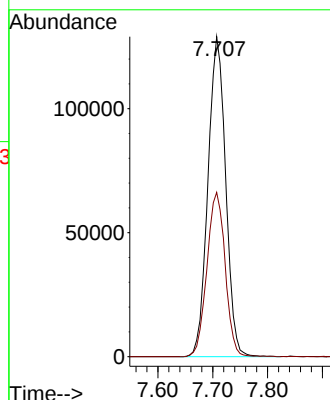
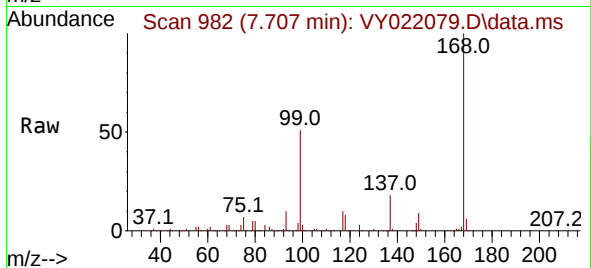




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022079.D
Acq: 30 Apr 2025 13:34

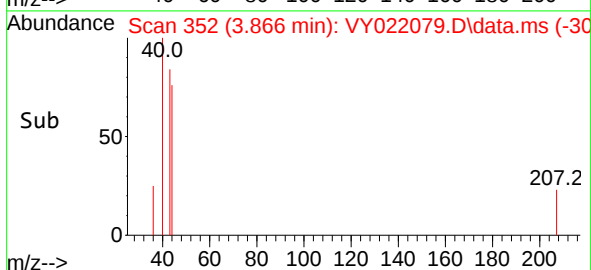
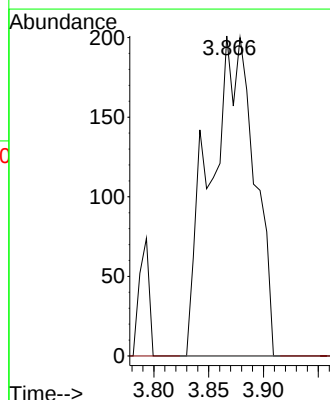
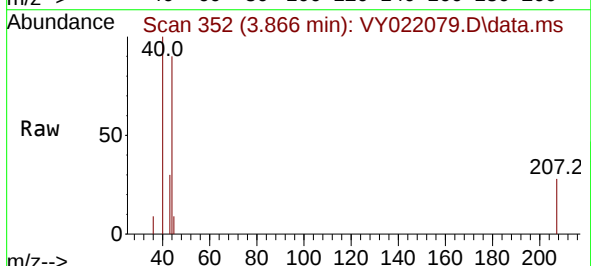
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-29-042325

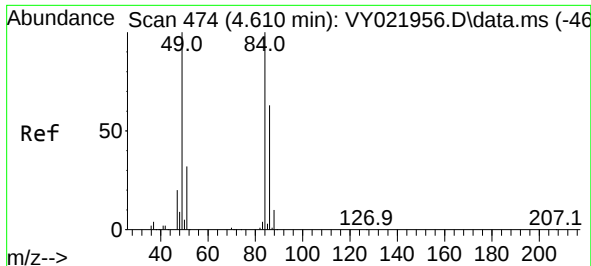
Tgt Ion:168 Resp: 289133
Ion Ratio Lower Upper
168 100
99 51.4 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.866 min Scan# 352
Delta R.T. -0.013 min
Lab File: VY022079.D
Acq: 30 Apr 2025 13:34

Tgt Ion: 43 Resp: 570
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.4#

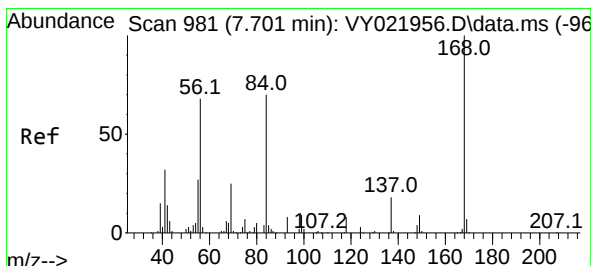
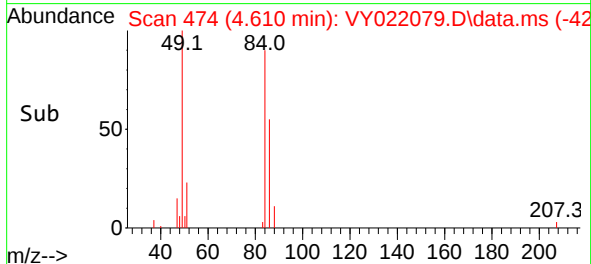
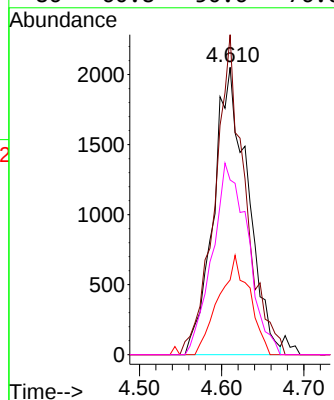
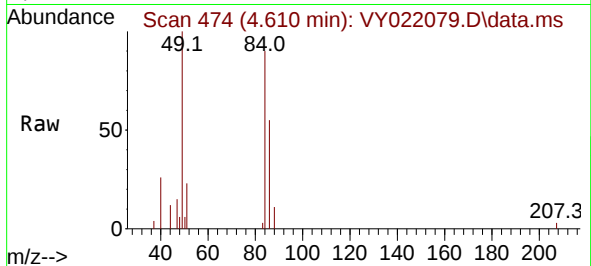




#20
Methylene Chloride
Concen: 1.755 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY022079.D
Acq: 30 Apr 2025 13:34

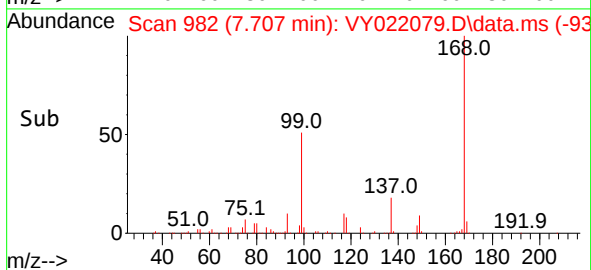
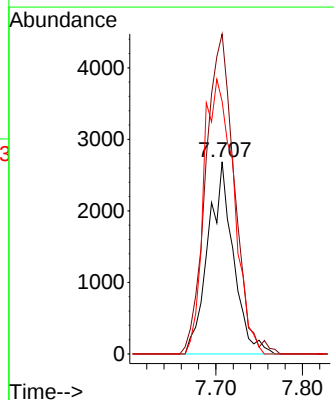
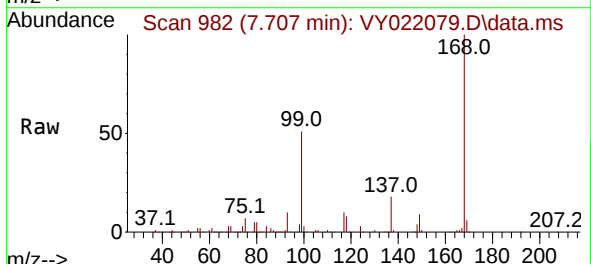
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-29-042325

Tgt Ion:	84	Resp:	5925
Ion	Ratio	Lower	Upper
84	100		
49	111.4	79.9	119.9
51	26.0	25.4	38.0
86	60.8	50.6	76.0



#31
Cyclohexane
Concen: 1.231 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022079.D
Acq: 30 Apr 2025 13:34

Tgt Ion:	56	Resp:	5433
Ion	Ratio	Lower	Upper
56	100		
69	166.5	29.4	44.2#
84	131.5	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 53.364 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY022079.D

Acq: 30 Apr 2025 13:34

Instrument :

MSVOA_Y

ClientSampleId :

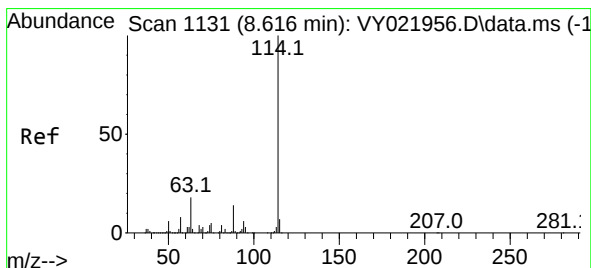
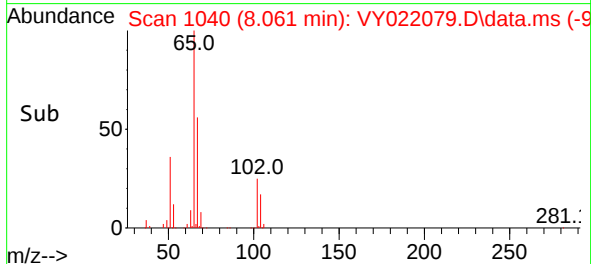
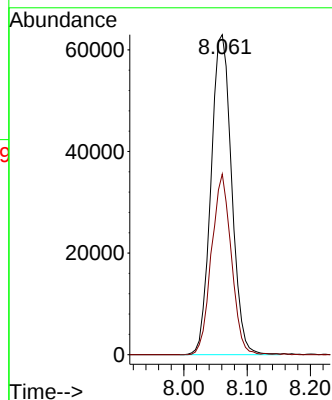
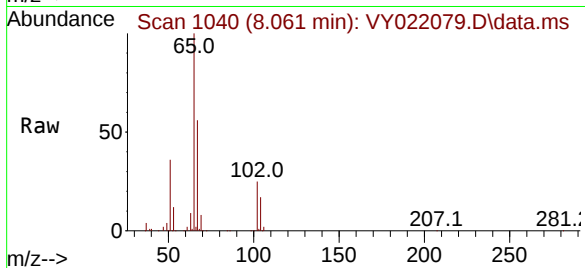
OU4-PCS-TC-29-042325

Tgt Ion: 65 Resp: 142518

Ion Ratio Lower Upper

65 100

67 54.1 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022079.D

Acq: 30 Apr 2025 13:34

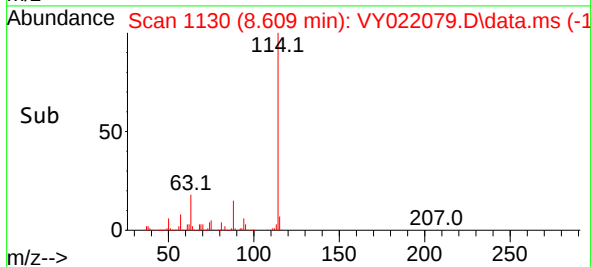
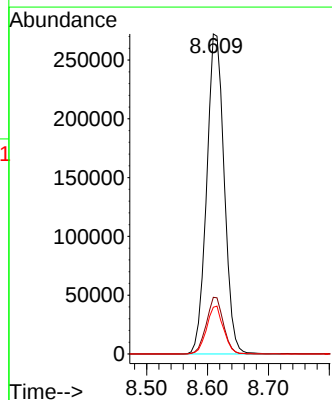
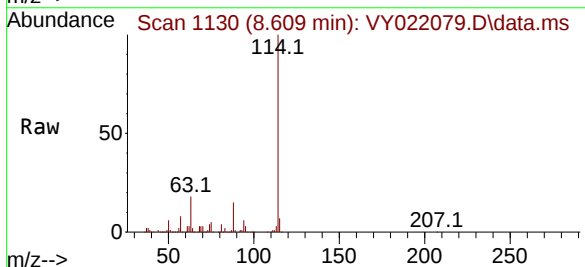
Tgt Ion: 114 Resp: 542827

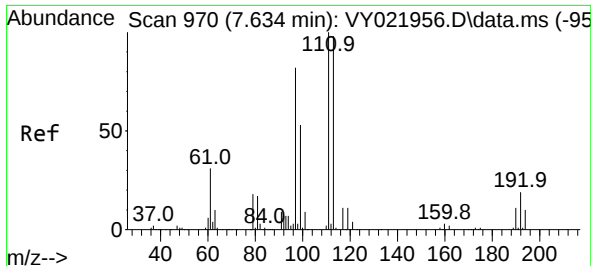
Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.4

88 14.6 0.0 28.2

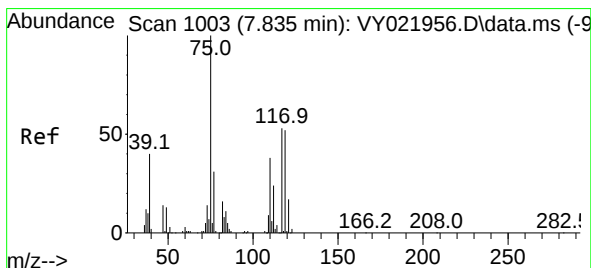
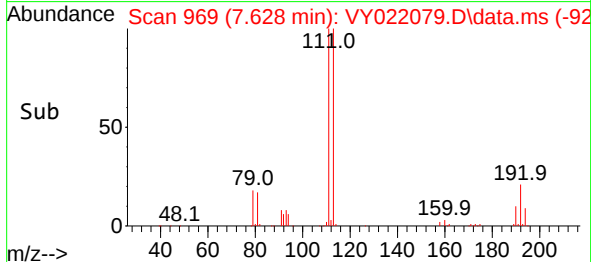
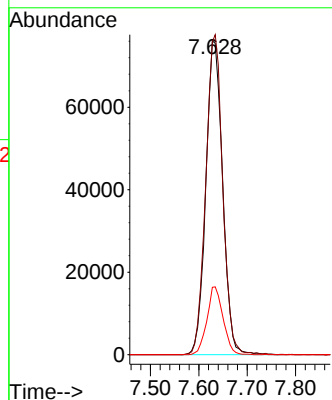
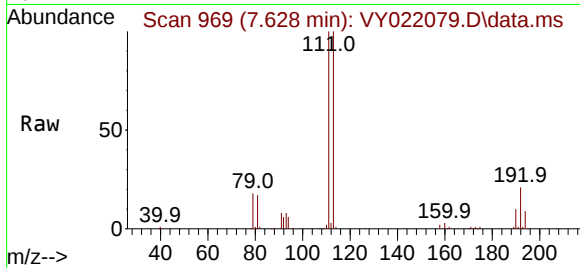




#35
Dibromofluoromethane
Concen: 51.250 ug/l
RT: 7.628 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY022079.D
Acq: 30 Apr 2025 13:34

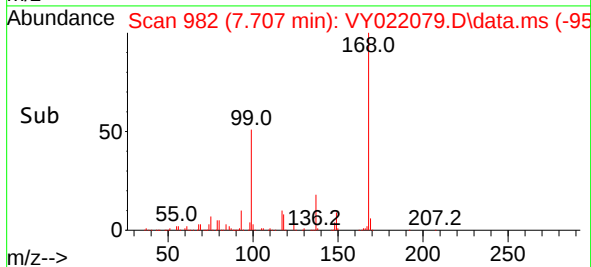
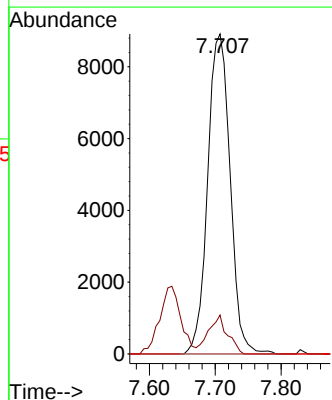
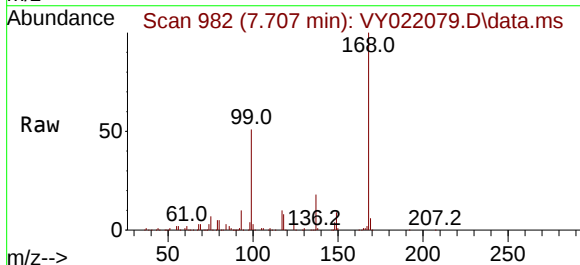
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-29-042325

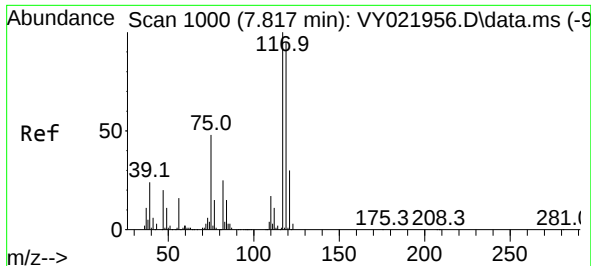
Tgt Ion:113 Resp: 183792
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.8
192 20.7 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.395 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022079.D
Acq: 30 Apr 2025 13:34

Tgt Ion: 75 Resp: 21171
Ion Ratio Lower Upper
75 100
110 10.3 19.1 57.3#
77 0.0 25.5 38.3#

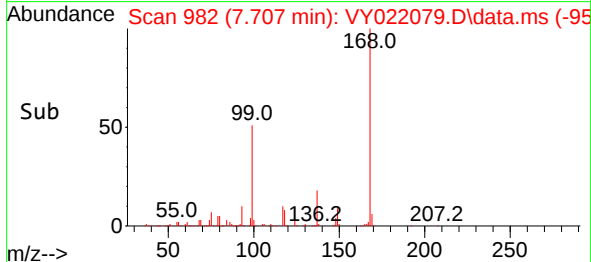
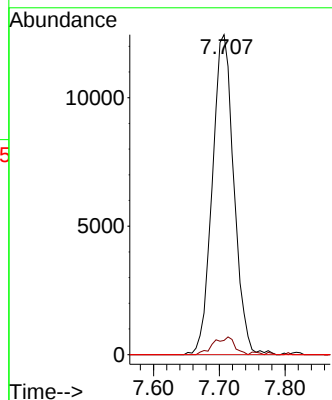
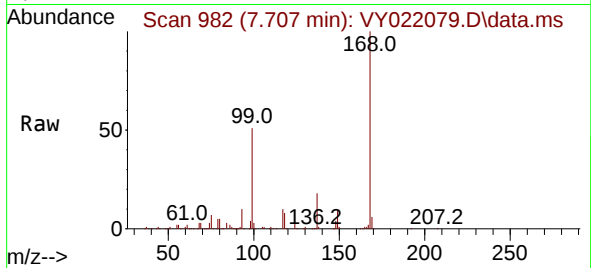




#38
Carbon Tetrachloride
Concen: 4.938 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022079.D
Acq: 30 Apr 2025 13:34

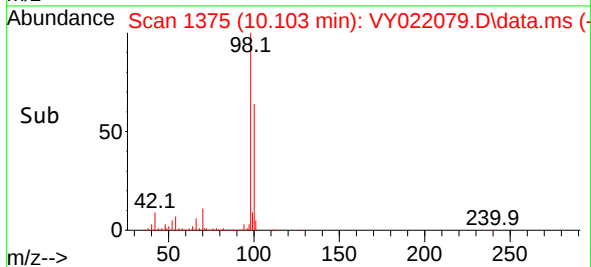
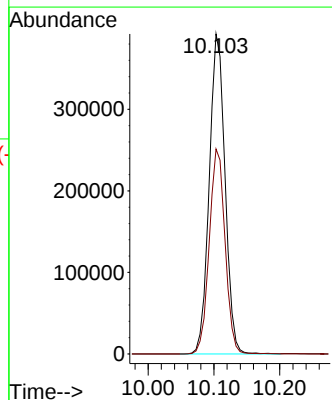
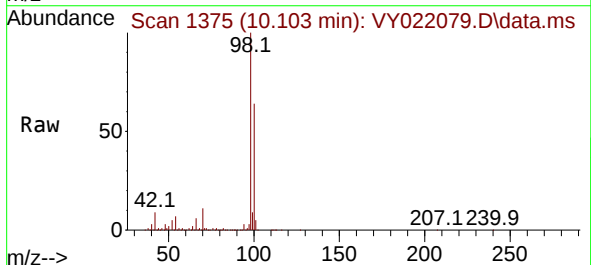
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-29-042325

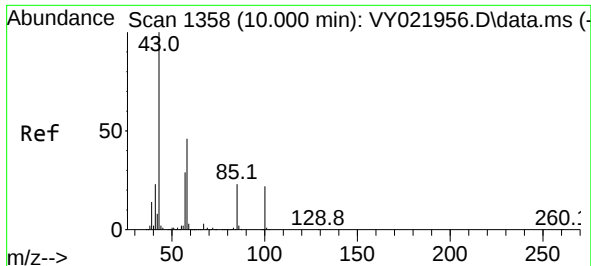
Tgt Ion:117 Resp: 28422
Ion Ratio Lower Upper
117 100
119 4.5 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 48.510 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022079.D
Acq: 30 Apr 2025 13:34

Tgt Ion: 98 Resp: 655856
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4

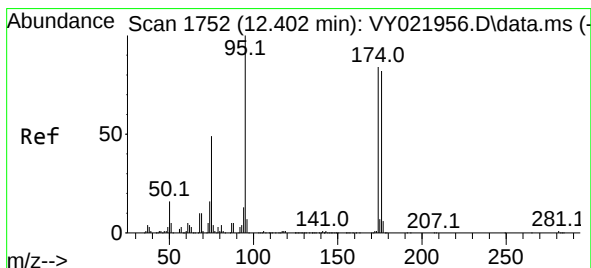
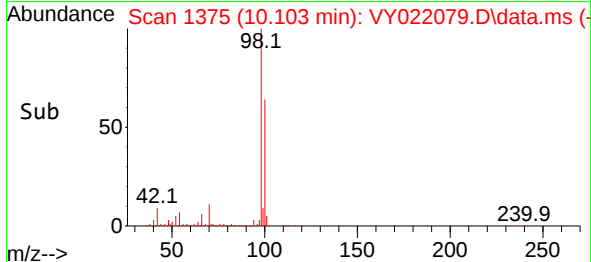
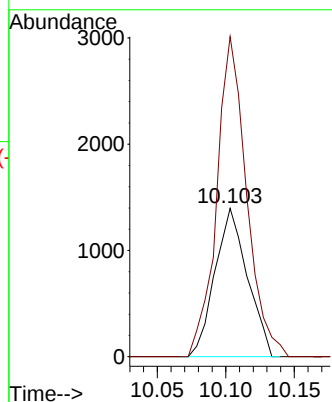
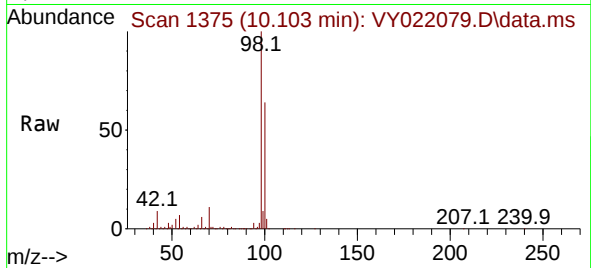




#51
4-Methyl-2-Pentanone
Concen: 1.323 ug/l
RT: 10.103 min Scan# 1358
Delta R.T. 0.104 min
Lab File: VY022079.D
Acq: 30 Apr 2025 13:34

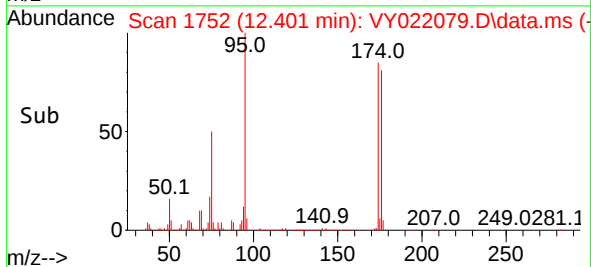
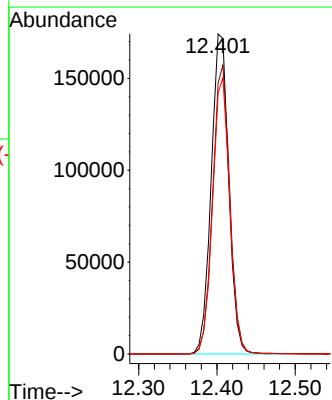
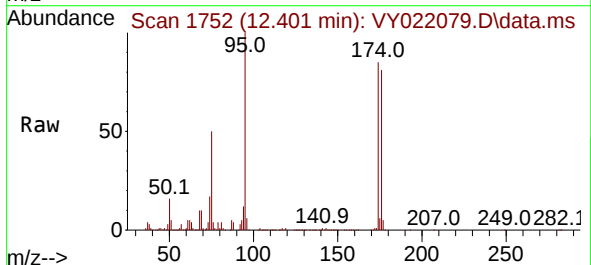
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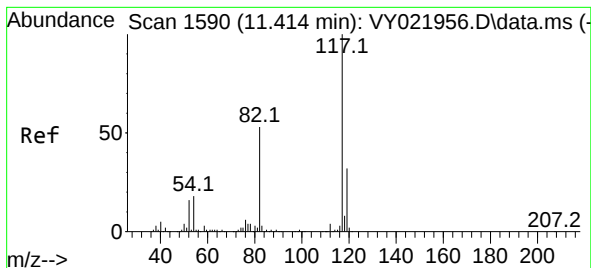
Tgt Ion: 43 Resp: 2305
Ion Ratio Lower Upper
43 100
58 198.1 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 59.440 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022079.D
Acq: 30 Apr 2025 13:34

Tgt Ion: 95 Resp: 270533
Ion Ratio Lower Upper
95 100
174 89.0 0.0 179.0
176 84.7 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022079.D

Acq: 30 Apr 2025 13:34

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-29-042325

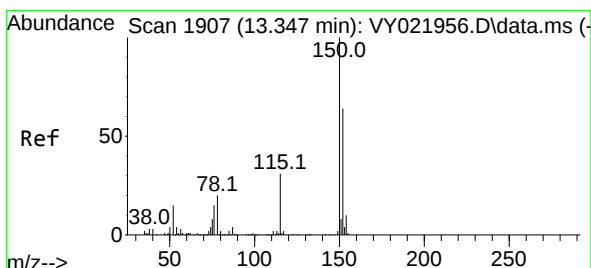
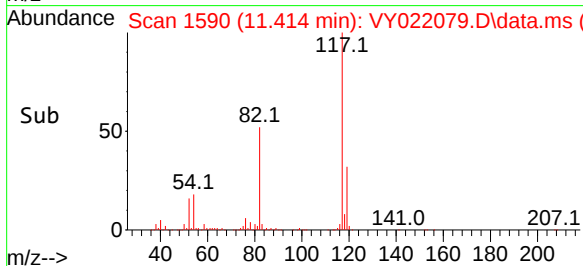
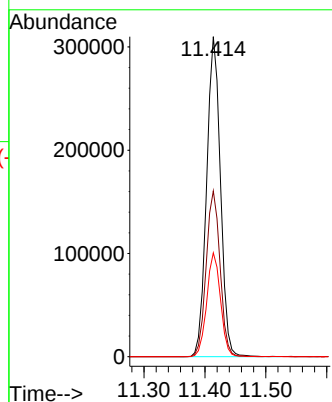
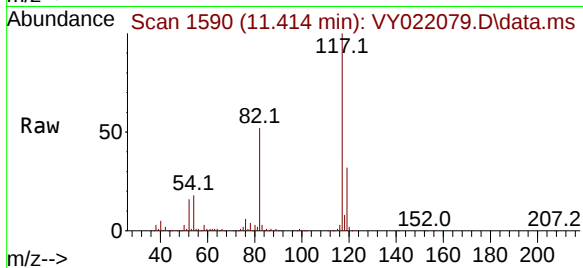
Tgt Ion:117 Resp: 488361

Ion Ratio Lower Upper

117 100

82 51.8 42.1 63.1

119 32.5 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022079.D

Acq: 30 Apr 2025 13:34

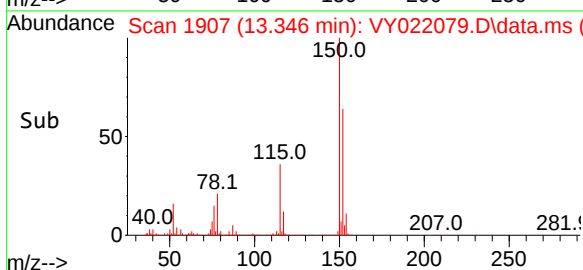
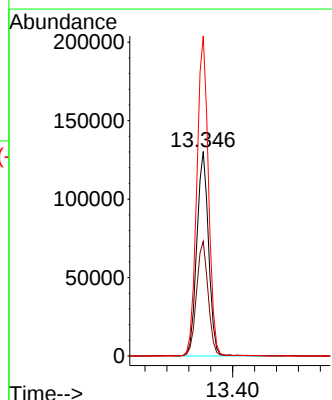
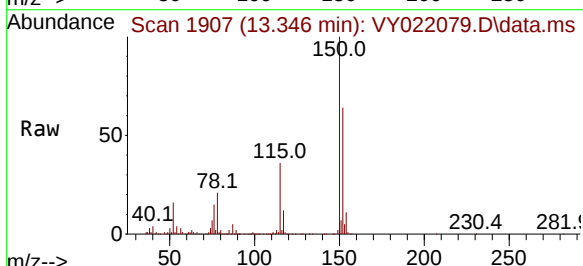
Tgt Ion:152 Resp: 194579

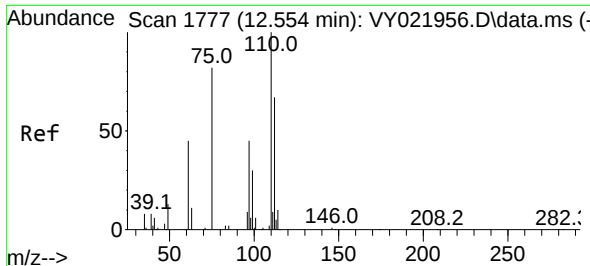
Ion Ratio Lower Upper

152 100

115 55.2 28.0 84.0

150 155.2 0.0 345.6

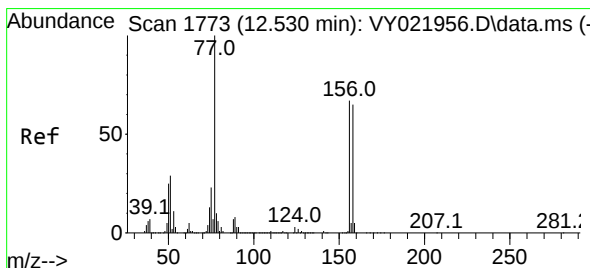
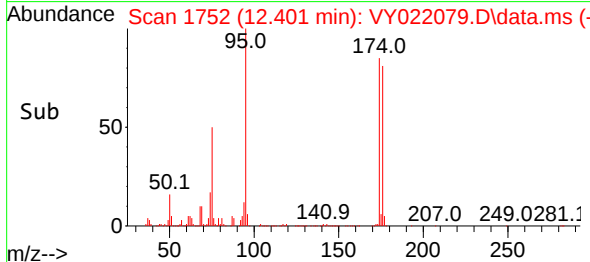
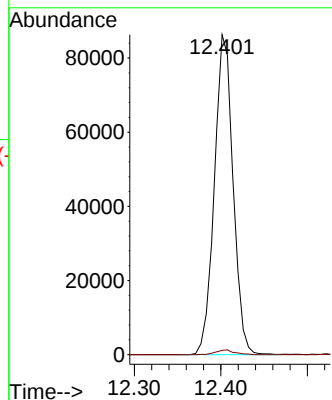
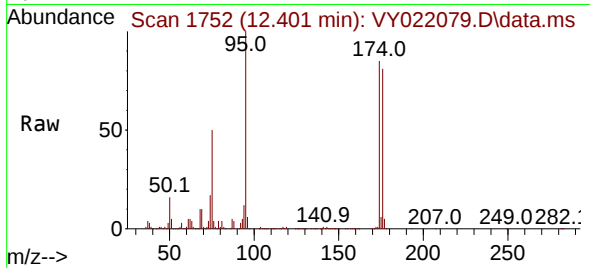




#76
1,2,3-Trichloropropane
Concen: 77.619 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022079.D
Acq: 30 Apr 2025 13:34

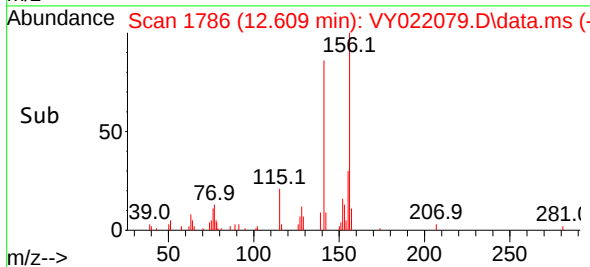
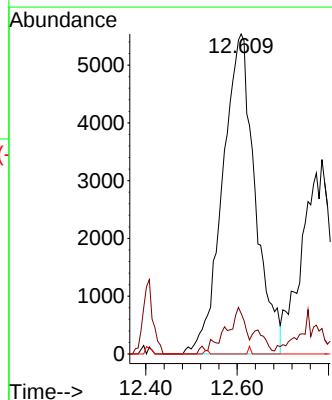
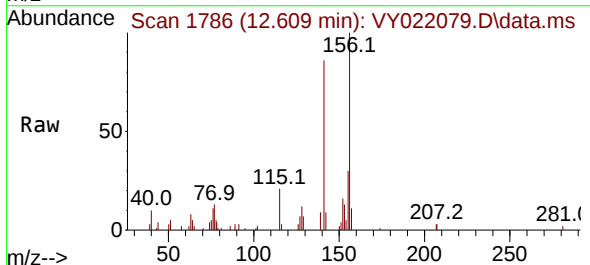
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-29-042325

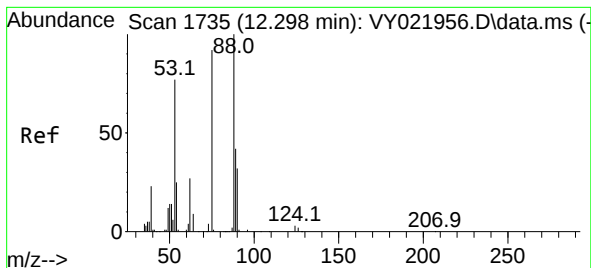
Tgt Ion: 75 Resp: 129365
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#77
Bromobenzene
Concen: 8.306 ug/l
RT: 12.609 min Scan# 1786
Delta R.T. 0.079 min
Lab File: VY022079.D
Acq: 30 Apr 2025 13:34

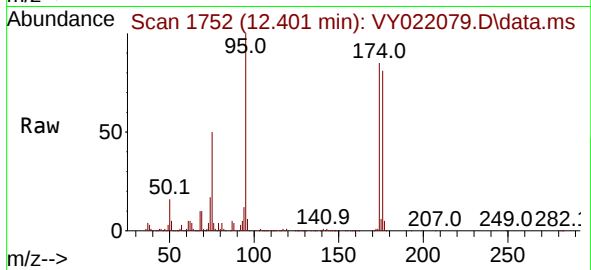
Tgt Ion: 156 Resp: 27284
Ion Ratio Lower Upper
156 100
77 3.4 82.7 248.1#
158 0.0 48.1 144.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 186.918 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY022079.D
 Acq: 30 Apr 2025 13:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-29-042325



Tgt Ion: 75 Resp: 129365
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.0 99.0#
 89 0.0 37.2 55.8#

