

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
 Data File : VY021799.D
 Acq On : 07 Apr 2025 15:32
 Operator : SY/MD
 Sample : Q17360-19
 Misc : 5.48g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-CF-15-040325

Quant Time: Apr 08 03:34:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

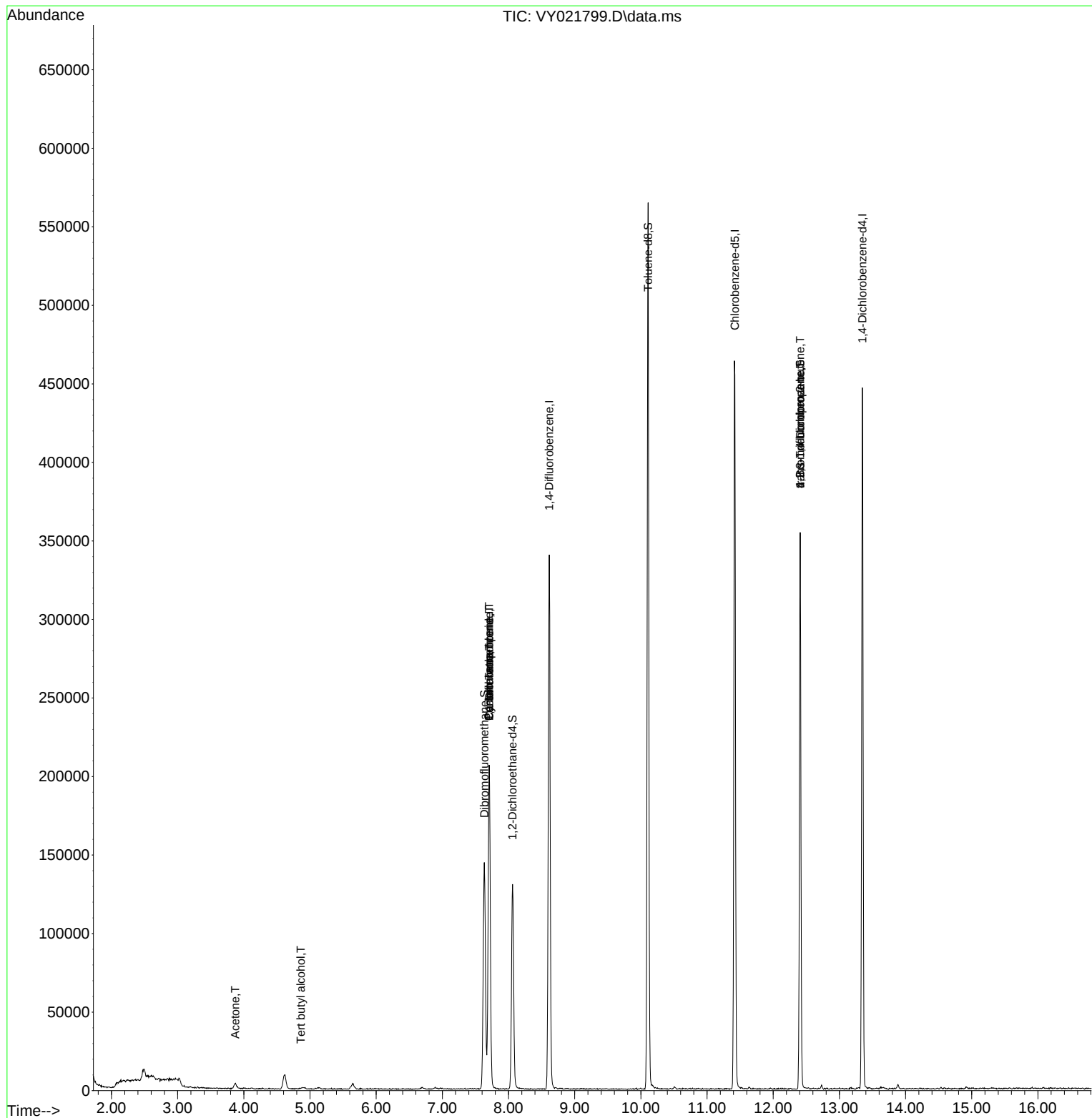
Internal Standards						
1) Pentafluorobenzene	7.707	168	155604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	277750	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	243254	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	107208	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	105846	62.782	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.560%	
35) Dibromofluoromethane	7.634	113	100831	55.964	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.920%	
50) Toluene-d8	10.109	98	355519	51.868	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.740%	
62) 4-Bromofluorobenzene	12.408	95	104888	45.241	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.480%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	445	4.064	ug/l #	70
16) Acetone	3.873	43	6057	17.554	ug/l #	85
31) Cyclohexane	7.707	56	3967	1.333	ug/l #	22
36) 1,1-Dichloropropene	7.707	75	12434	4.531	ug/l #	51
38) Carbon Tetrachloride	7.707	117	16651	5.298	ug/l #	19
76) 1,2,3-Trichloropropane	12.408	75	56128	52.816	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	56128	121.697	ug/l #	12

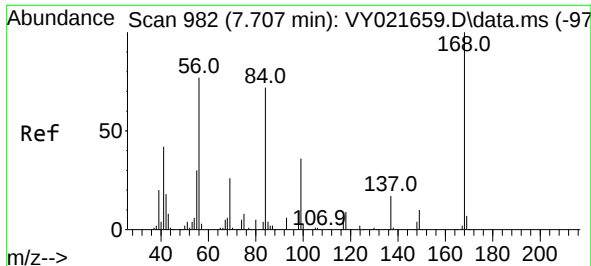
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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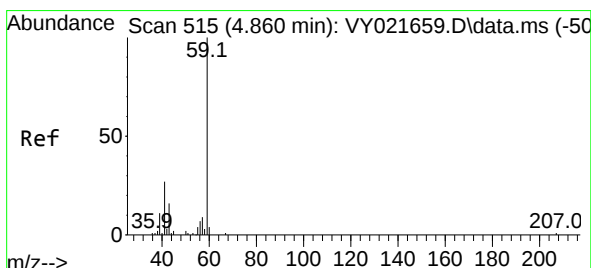
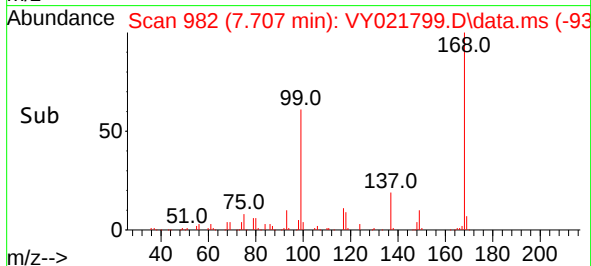
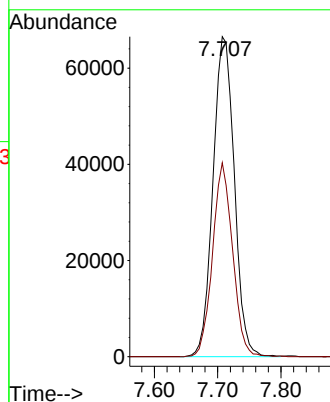
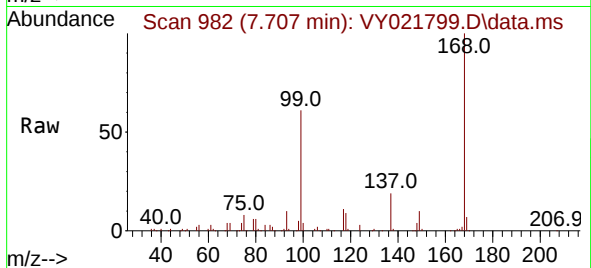




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021799.D
Acq: 07 Apr 2025 15:32

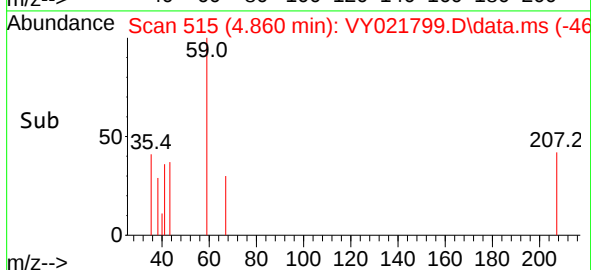
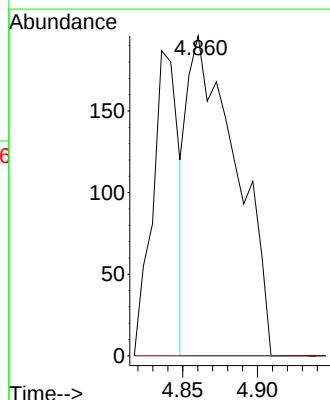
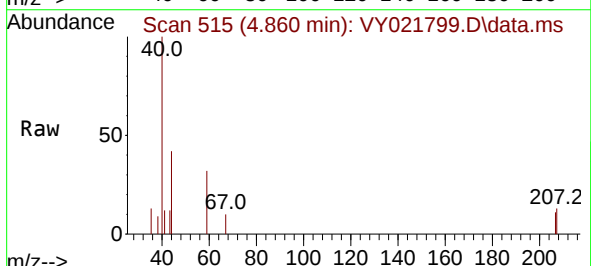
Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-15-040325

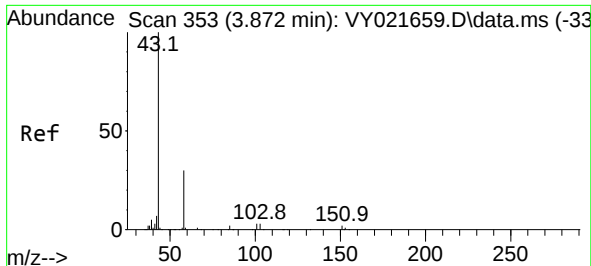
Tgt Ion:168 Resp: 155604
Ion Ratio Lower Upper
168 100
99 60.6 46.7 70.1



#11
Tert butyl alcohol
Concen: 4.064 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY021799.D
Acq: 07 Apr 2025 15:32

Tgt Ion: 59 Resp: 445
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#





#16

Acetone

Concen: 17.554 ug/l

RT: 3.873 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY021799.D

Acq: 07 Apr 2025 15:32

Instrument :

MSVOA_Y

ClientSampleId :

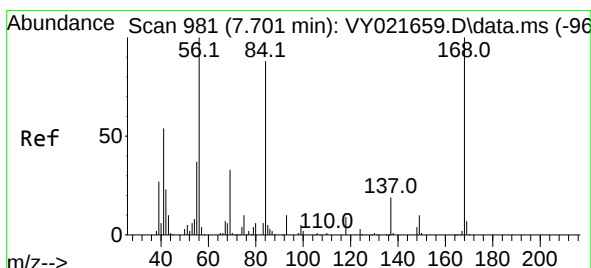
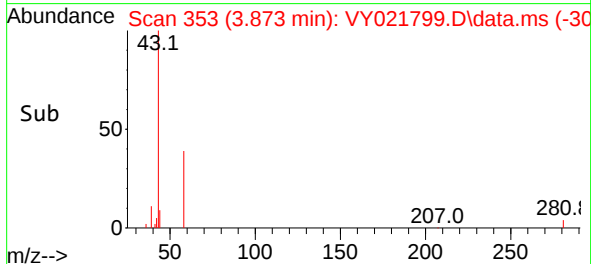
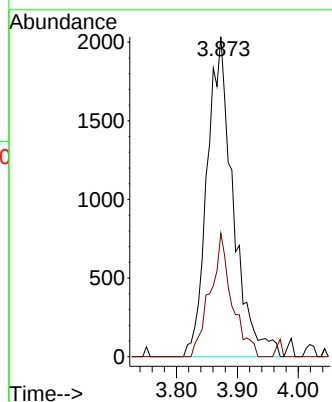
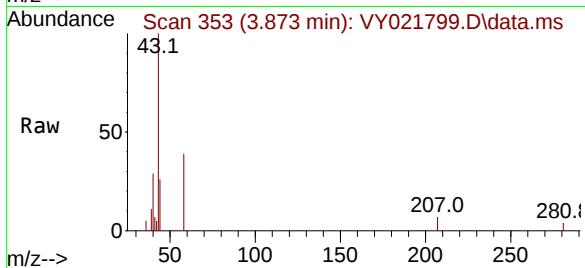
OU4-CF-15-040325

Tgt Ion: 43 Resp: 6057

Ion Ratio Lower Upper

43 100

58 38.6 24.2 36.4#



#31

Cyclohexane

Concen: 1.333 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY021799.D

Acq: 07 Apr 2025 15:32

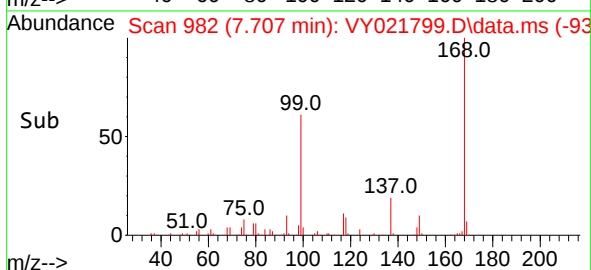
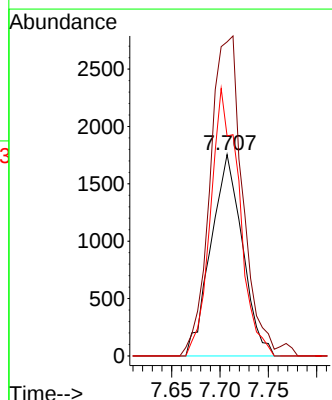
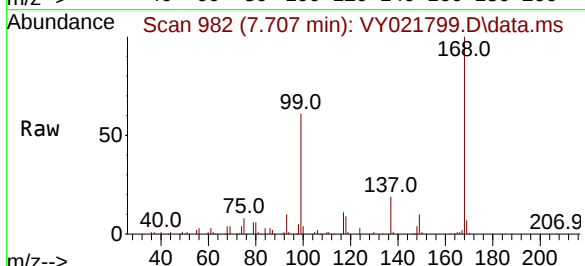
Tgt Ion: 56 Resp: 3967

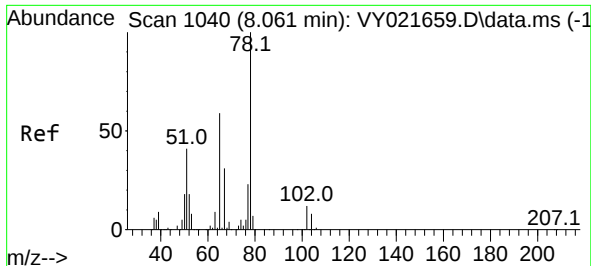
Ion Ratio Lower Upper

56 100

69 155.9 26.6 40.0#

84 109.2 69.0 103.4#





#33

1,2-Dichloroethane-d4

Concen: 62.782 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021799.D

Acq: 07 Apr 2025 15:32

Instrument :

MSVOA_Y

ClientSampleId :

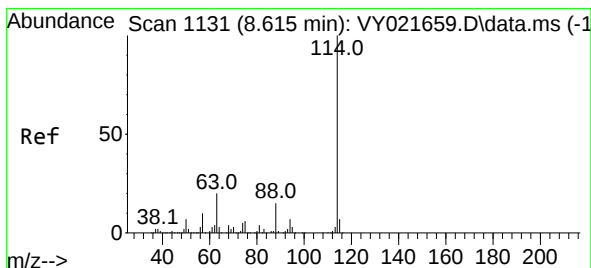
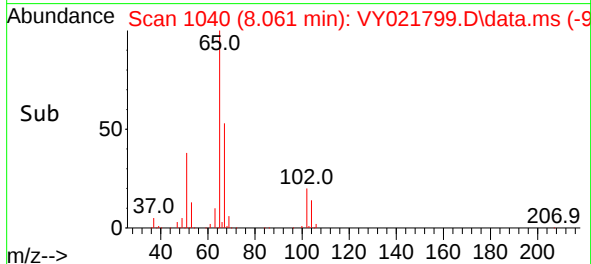
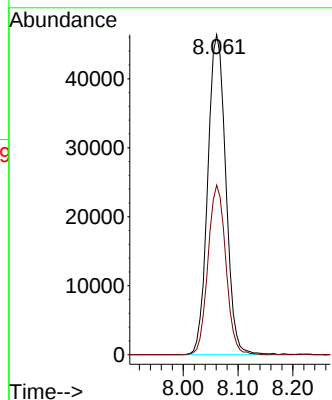
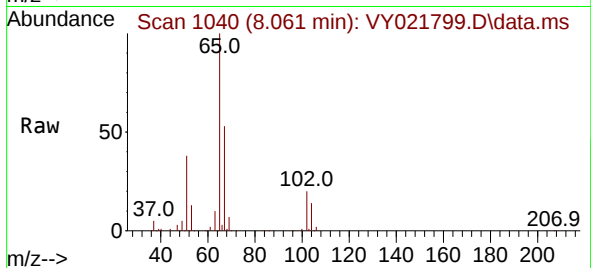
OU4-CF-15-040325

Tgt Ion: 65 Resp: 105846

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021799.D

Acq: 07 Apr 2025 15:32

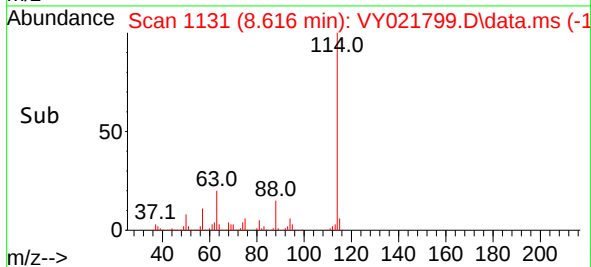
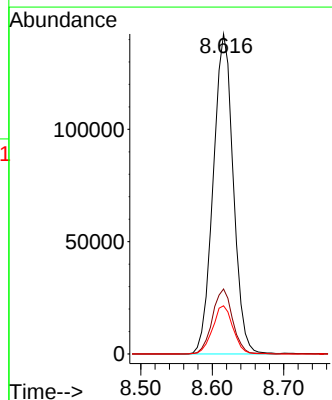
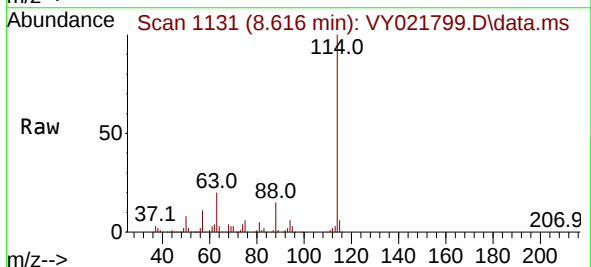
Tgt Ion: 114 Resp: 277750

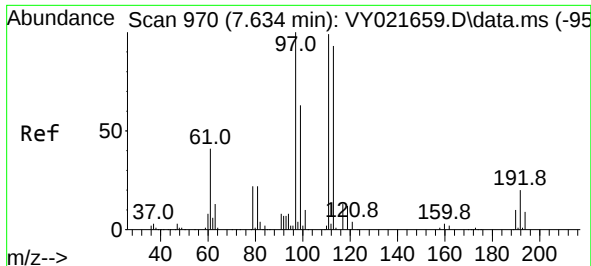
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.2

88 15.0 0.0 29.8

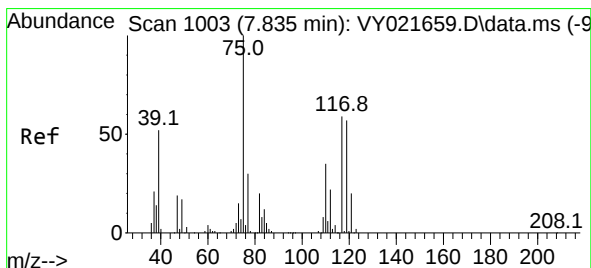
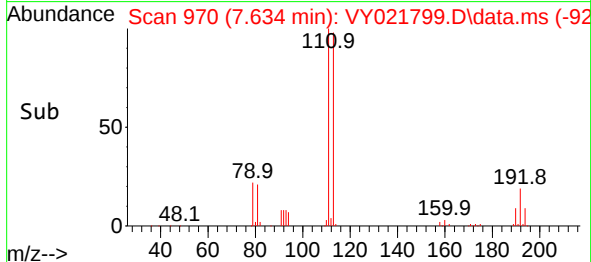
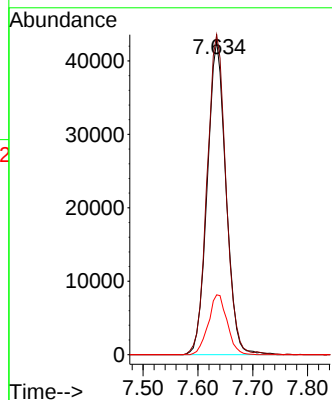
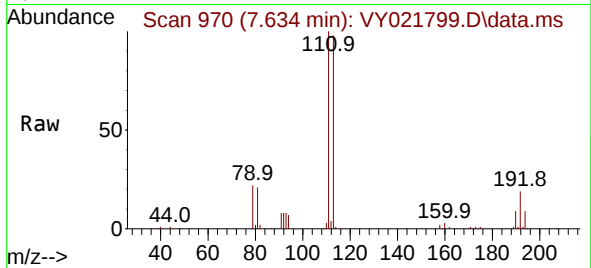




#35
Dibromofluoromethane
Concen: 55.964 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021799.D
Acq: 07 Apr 2025 15:32

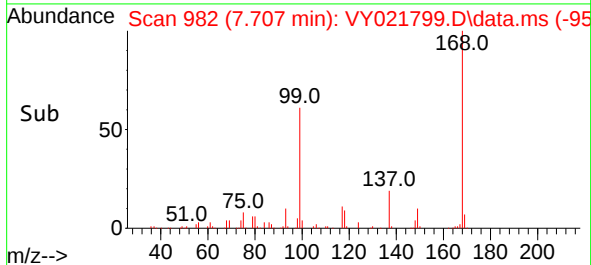
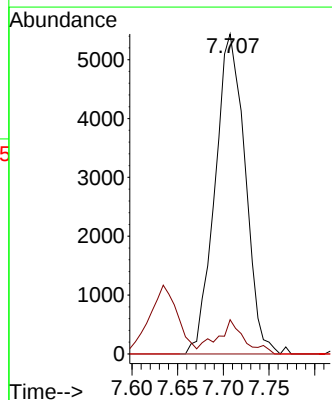
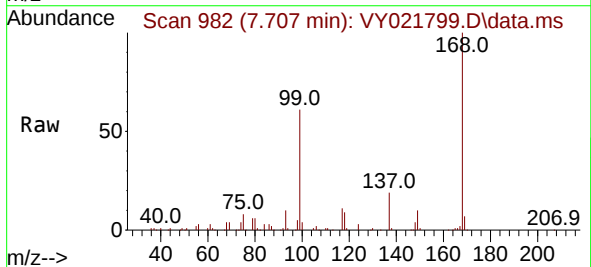
Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-15-040325

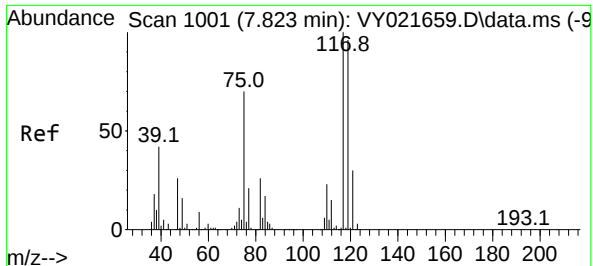
Tgt Ion:113 Resp: 100831
Ion Ratio Lower Upper
113 100
111 102.7 82.6 123.8
192 19.3 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.531 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021799.D
Acq: 07 Apr 2025 15:32

Tgt Ion: 75 Resp: 12434
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.8 37.2#

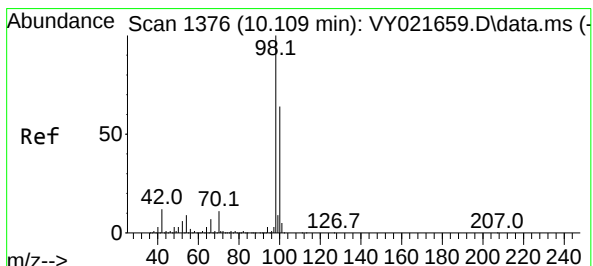
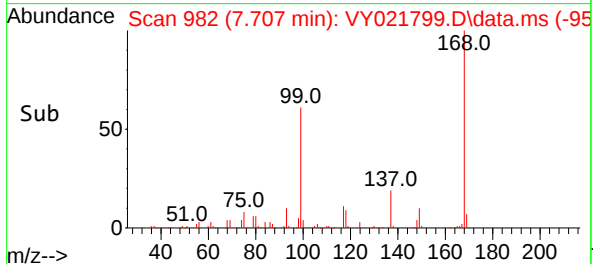
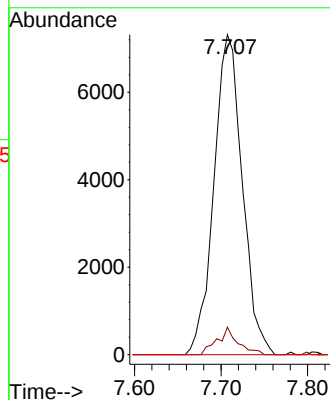
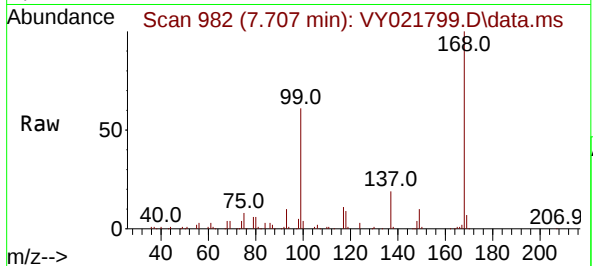




#38
Carbon Tetrachloride
Concen: 5.298 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021799.D
Acq: 07 Apr 2025 15:32

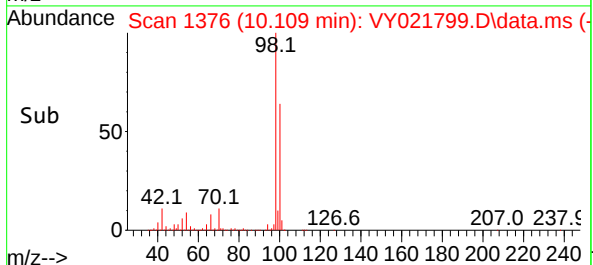
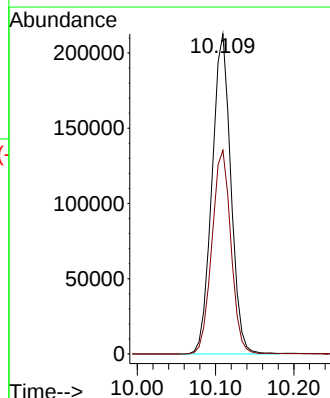
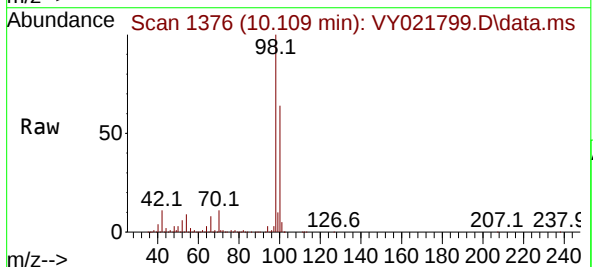
Instrument :
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ClientSampleId :
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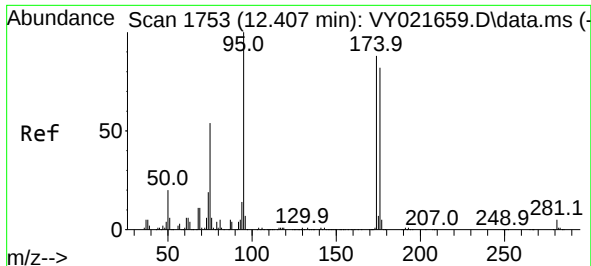
Tgt Ion:117 Resp: 16651
Ion Ratio Lower Upper
117 100
119 8.6 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 51.868 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021799.D
Acq: 07 Apr 2025 15:32

Tgt Ion: 98 Resp: 355519
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1

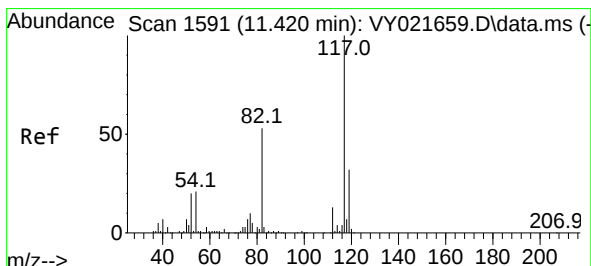
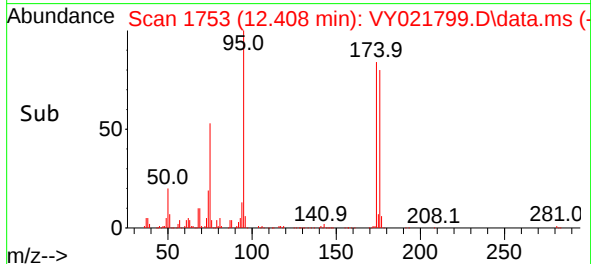
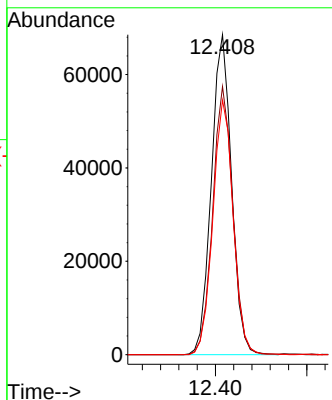
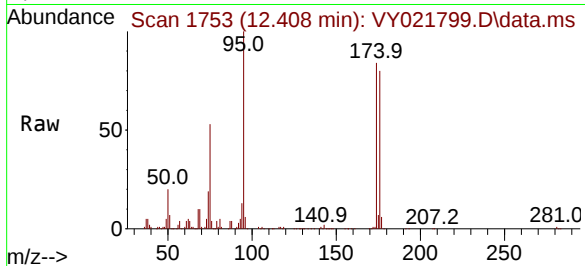




#62
4-Bromofluorobenzene
Concen: 45.241 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021799.D
Acq: 07 Apr 2025 15:32

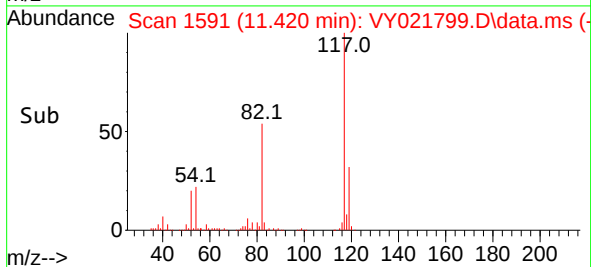
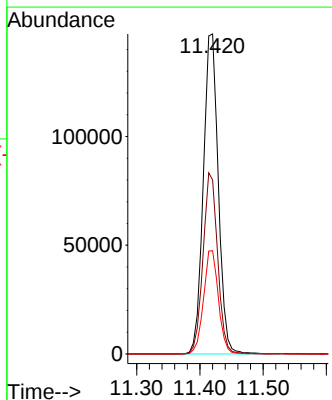
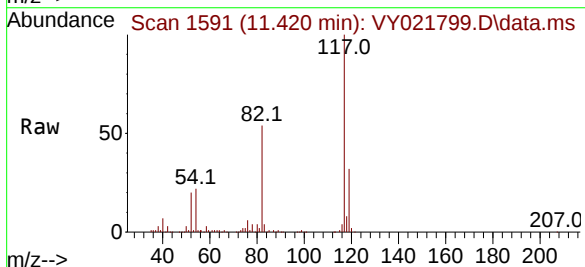
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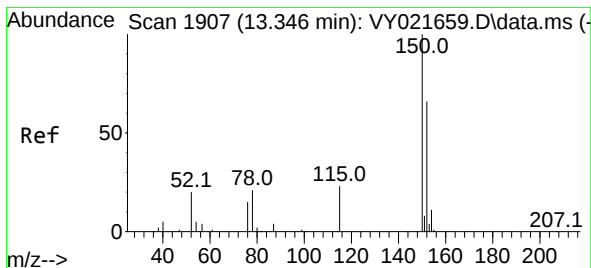
Tgt Ion: 95 Resp: 104888
Ion Ratio Lower Upper
95 100
174 84.0 0.0 170.8
176 80.2 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY021799.D
Acq: 07 Apr 2025 15:32

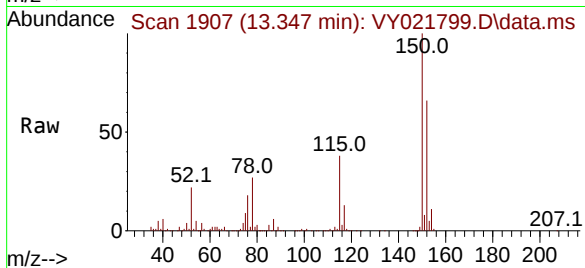
Tgt Ion: 117 Resp: 243254
Ion Ratio Lower Upper
117 100
82 54.4 42.8 64.2
119 32.2 25.7 38.5



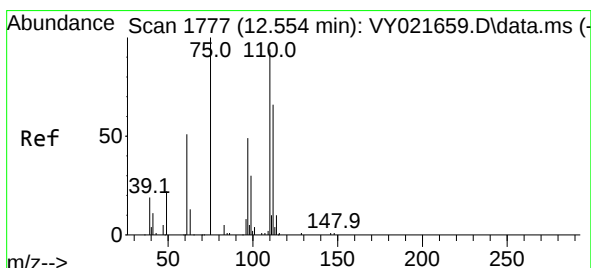
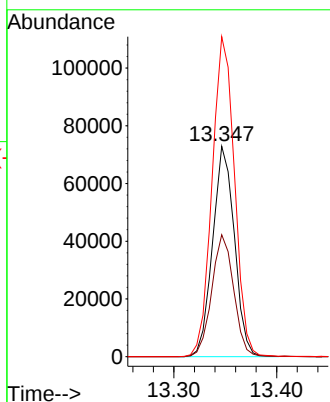
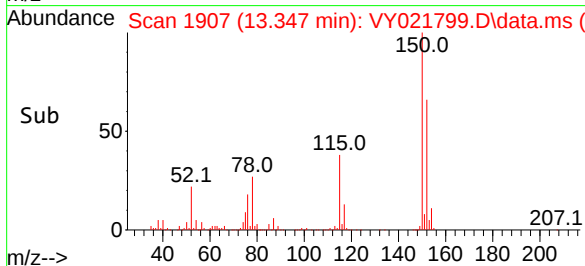


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021799.D
Acq: 07 Apr 2025 15:32

Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-15-040325

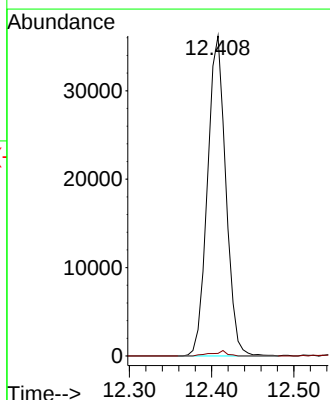
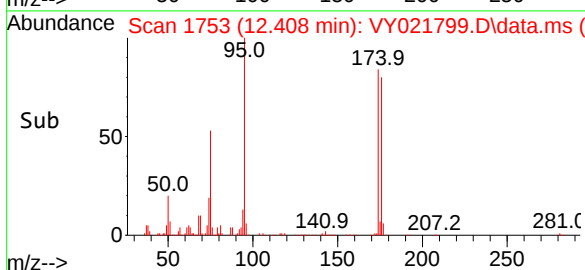
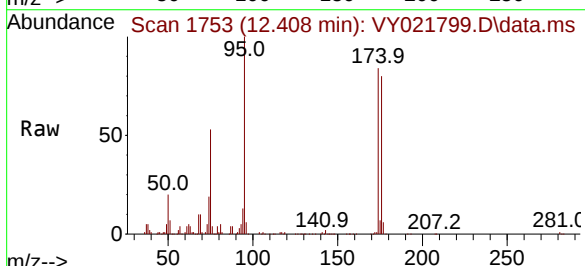


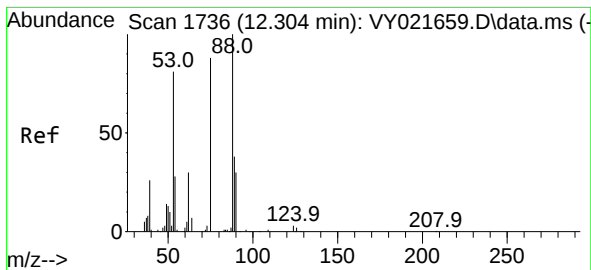
Tgt Ion:152 Resp: 107208
Ion Ratio Lower Upper
152 100
115 58.3 28.8 86.5
150 156.9 0.0 348.4



#76
1,2,3-Trichloropropane
Concen: 52.816 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY021799.D
Acq: 07 Apr 2025 15:32

Tgt Ion: 75 Resp: 56128
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.697 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021799.D
 Acq: 07 Apr 2025 15:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-CF-15-040325

Tgt Ion: 75 Resp: 56128
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.1 114.1#
 89 0.1 36.2 54.4#

