

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
 Data File : VY022088.D
 Acq On : 30 Apr 2025 17:29
 Operator : SY/MD
 Sample : Q1883-13
 Misc : 14.29g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-VSL-18-042325

Quant Time: May 08 12:21:29 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)

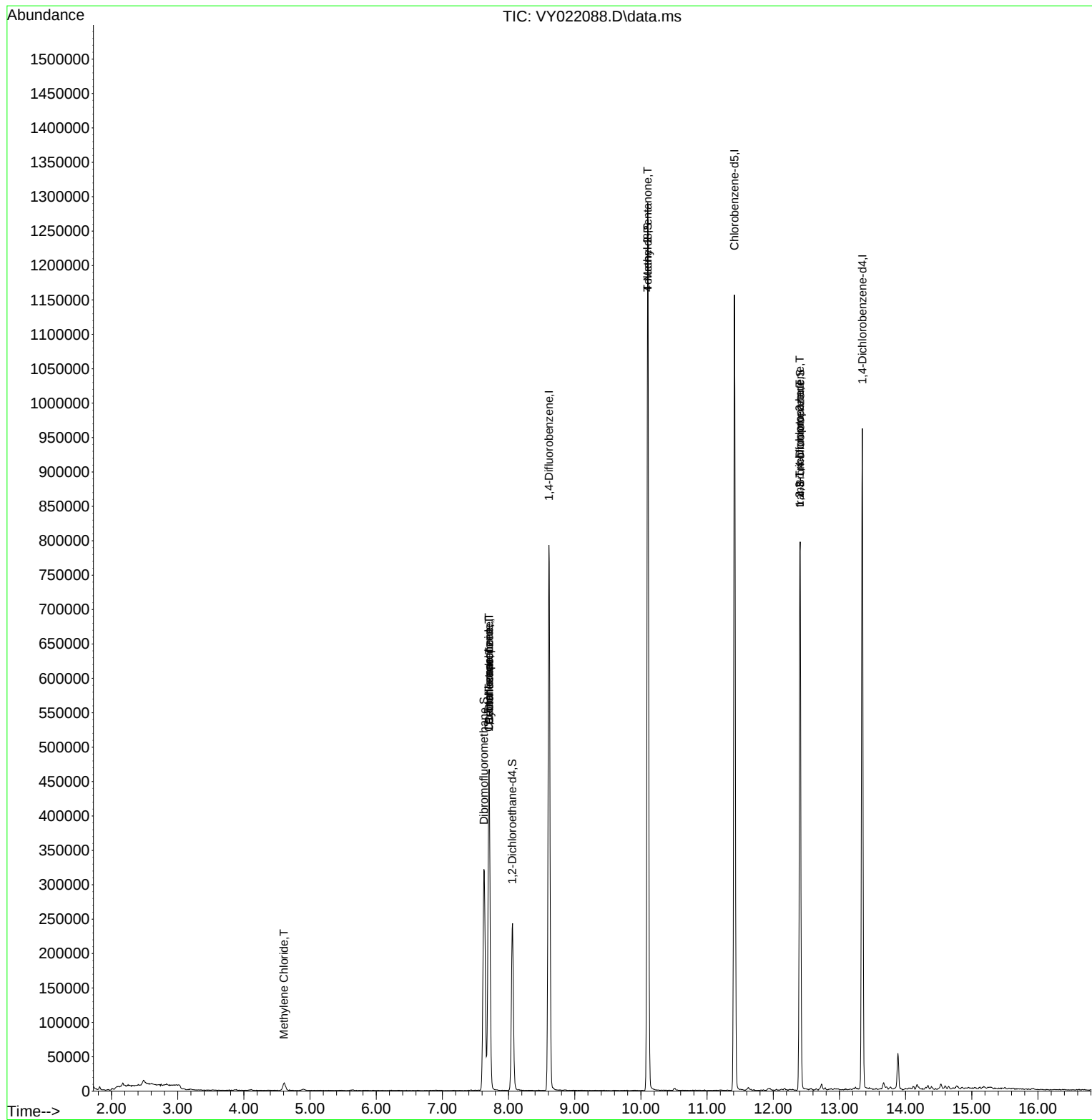
Internal Standards						
1) Pentafluorobenzene	7.707	168	370218	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	709340	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	640665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	256467	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.054	65	184332	53.904	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.800%	
35) Dibromofluoromethane	7.628	113	234145	49.964	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.920%	
50) Toluene-d8	10.103	98	851694	48.208	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.420%	
62) 4-Bromofluorobenzene	12.407	95	245148	41.219	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.440%	
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	1236	Below Cal		93
20) Methylene Chloride	4.604	84	8637	1.997	ug/l	94
31) Cyclohexane	7.707	56	6681	1.182	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	27424	4.357	ug/l #	47
38) Carbon Tetrachloride	7.701	117	36524	4.856	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	2901	1.275	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	119210	54.266	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	119210	130.681	ug/l #	16

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

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OU4-VSL-18-042325

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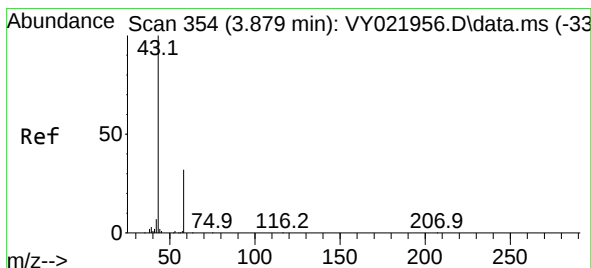
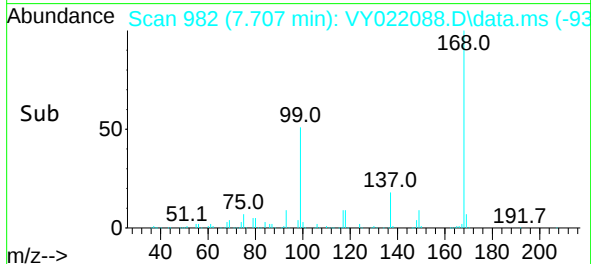
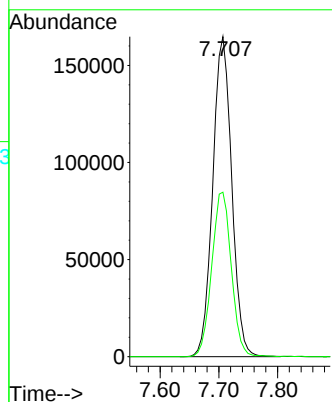
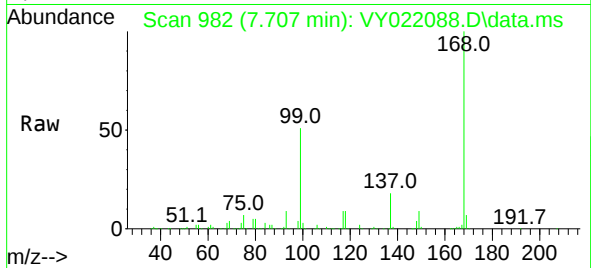




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022088.D
Acq: 30 Apr 2025 17:29

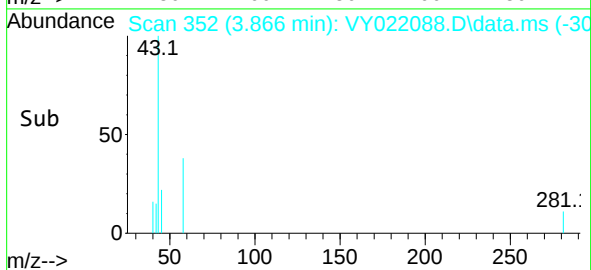
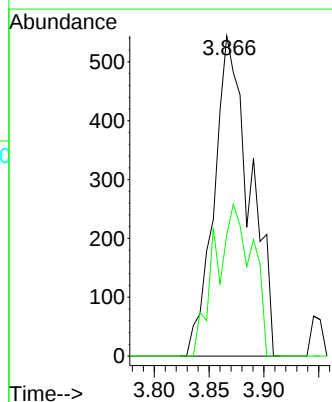
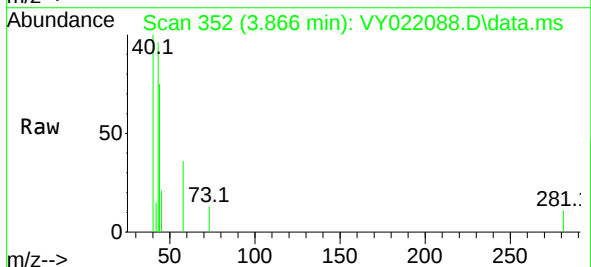
Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-18-042325

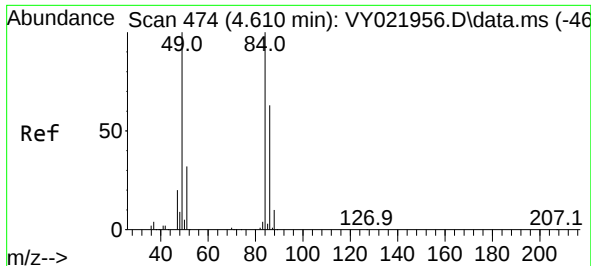
Tgt Ion:168 Resp: 370218
Ion Ratio Lower Upper
168 100
99 51.4 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.866 min Scan# 352
Delta R.T. -0.013 min
Lab File: VY022088.D
Acq: 30 Apr 2025 17:29

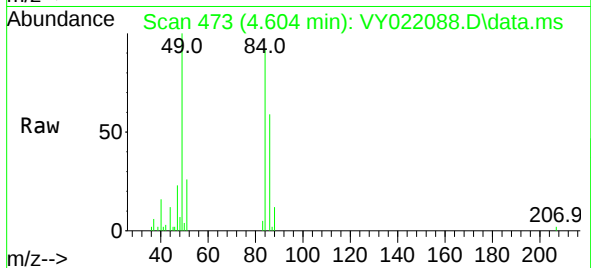
Tgt Ion: 43 Resp: 1236
Ion Ratio Lower Upper
43 100
58 37.9 27.0 40.4



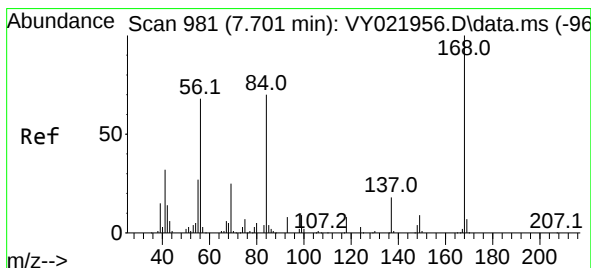
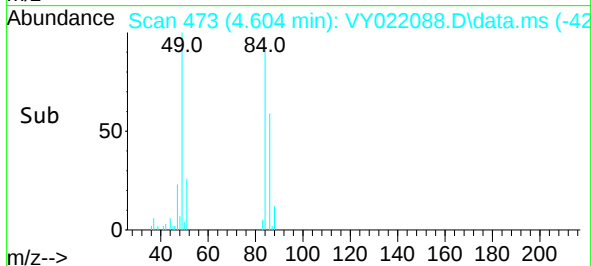
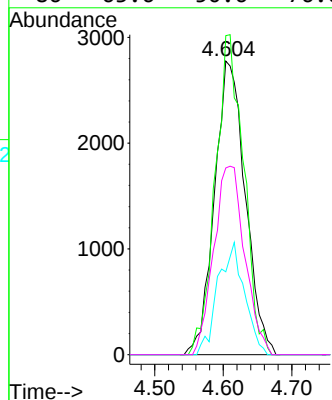


#20
Methylene Chloride
Concen: 1.997 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.007 min
Lab File: VY022088.D
Acq: 30 Apr 2025 17:29

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-18-042325

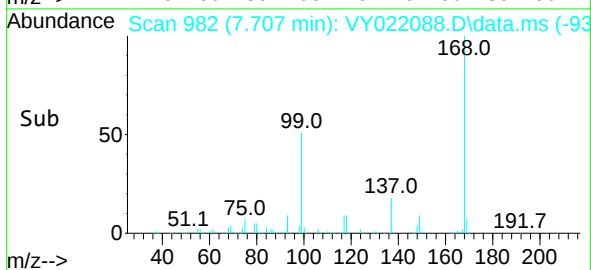
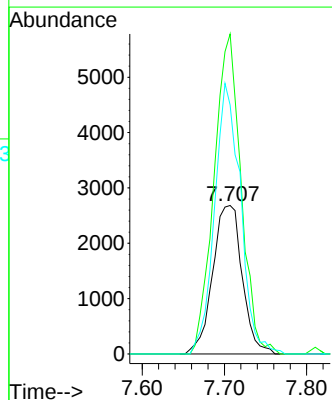
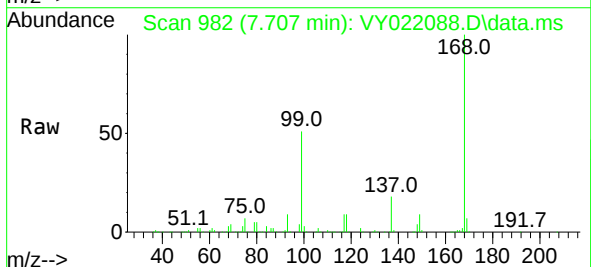


Tgt Ion:	84	Resp:	8637
Ion	Ratio	Lower	Upper
84	100		
49	108.6	79.9	119.9
51	28.2	25.4	38.0
86	63.6	50.6	76.0



#31
Cyclohexane
Concen: 1.182 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022088.D
Acq: 30 Apr 2025 17:29

Tgt Ion:	56	Resp:	6681
Ion	Ratio	Lower	Upper
56	100		
69	215.5	29.4	44.2#
84	167.6	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 53.904 ug/l

RT: 8.054 min Scan# 110

Delta R.T. -0.007 min

Lab File: VY022088.D

Acq: 30 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

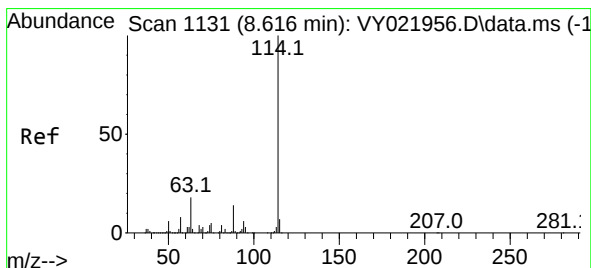
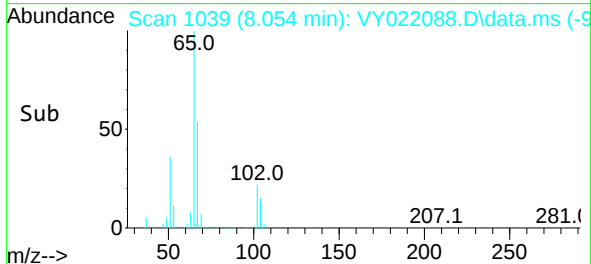
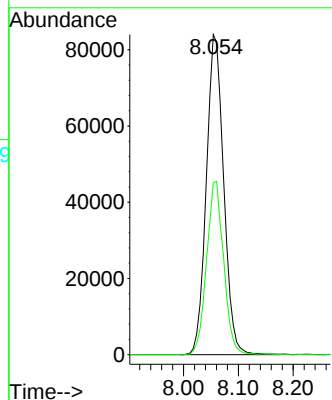
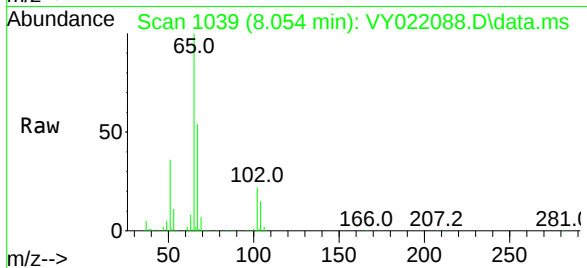
OU4-VSL-18-042325

Tgt Ion: 65 Resp: 184332

Ion Ratio Lower Upper

65 100

67 53.1 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.007 min

Lab File: VY022088.D

Acq: 30 Apr 2025 17:29

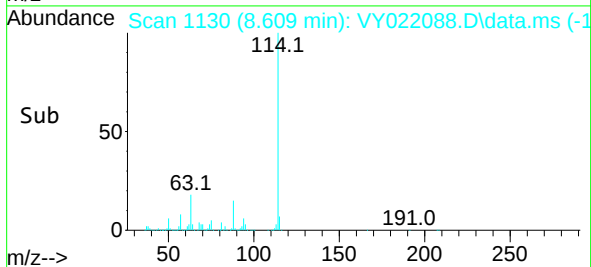
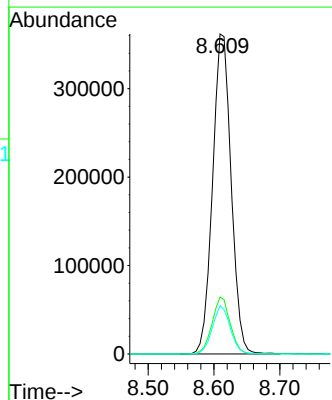
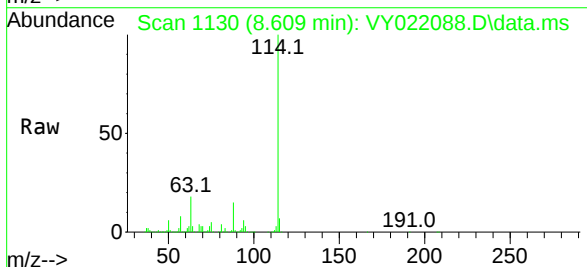
Tgt Ion:114 Resp: 709340

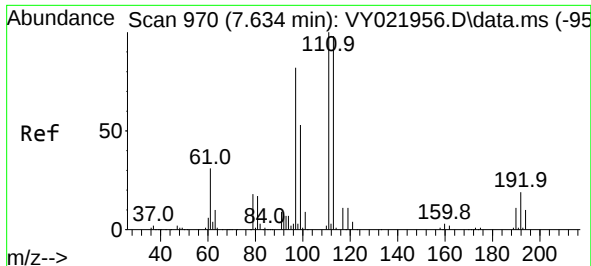
Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.4

88 15.1 0.0 28.2

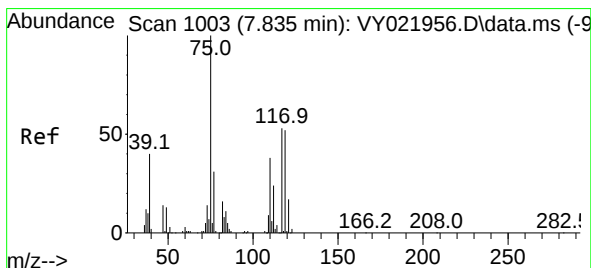
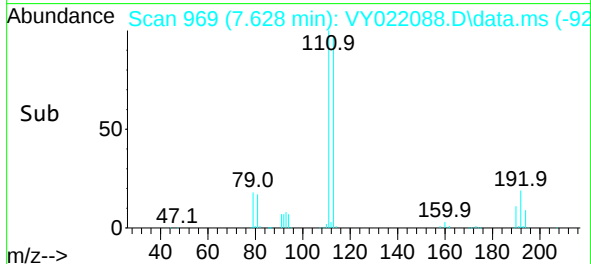
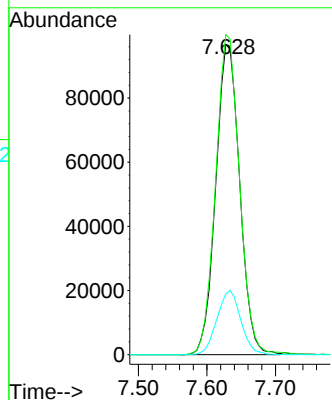
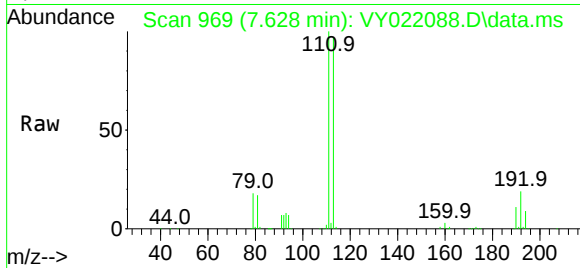




#35
Dibromofluoromethane
Concen: 49.964 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.007 min
Lab File: VY022088.D
Acq: 30 Apr 2025 17:29

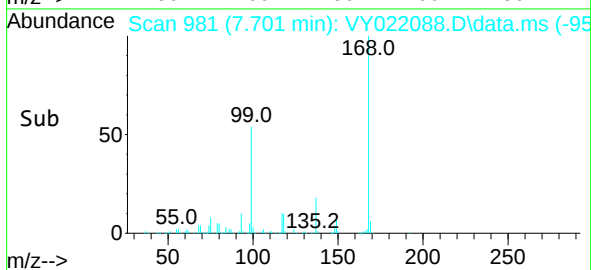
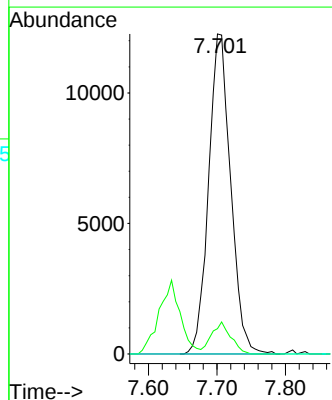
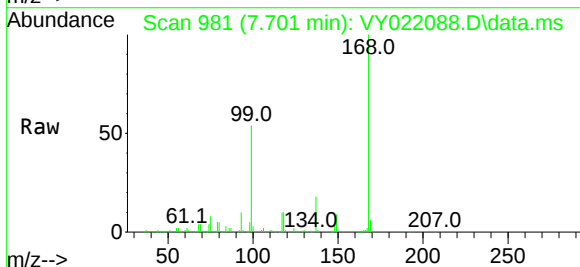
Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-18-042325

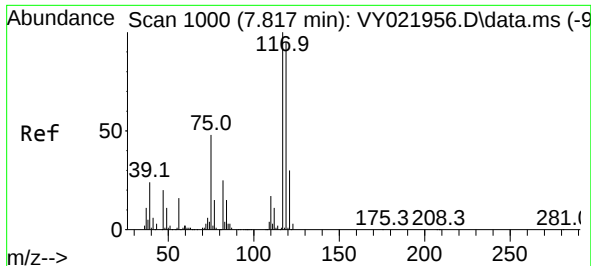
Tgt Ion:113 Resp: 234145
Ion Ratio Lower Upper
113 100
111 103.2 81.8 122.8
192 20.6 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.357 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.135 min
Lab File: VY022088.D
Acq: 30 Apr 2025 17:29

Tgt Ion: 75 Resp: 27424
Ion Ratio Lower Upper
75 100
110 8.7 19.1 57.3#
77 0.0 25.5 38.3#

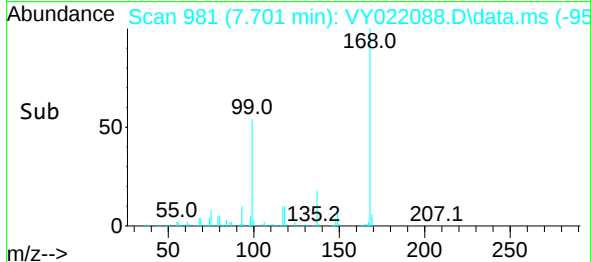
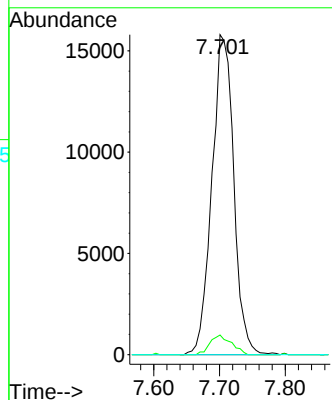
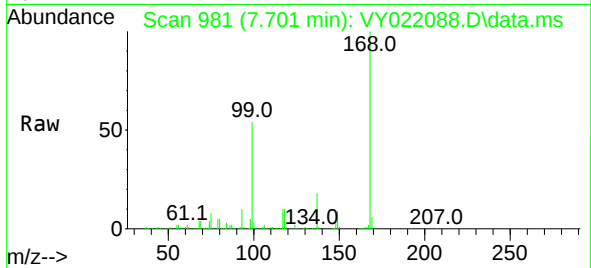




#38
Carbon Tetrachloride
Concen: 4.856 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022088.D
Acq: 30 Apr 2025 17:29

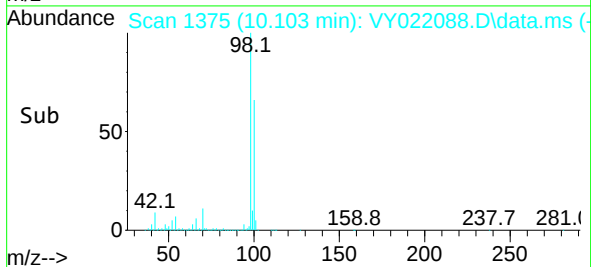
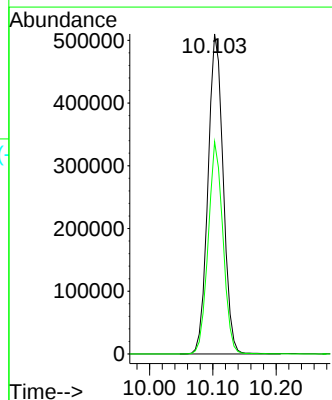
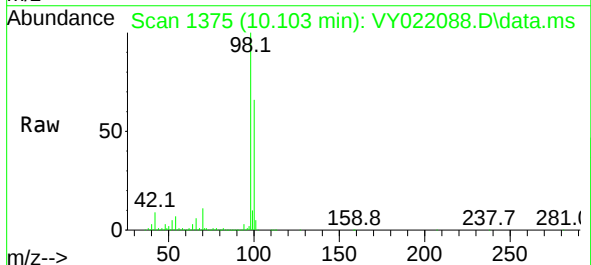
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ClientSampleId :
OU4-VSL-18-042325

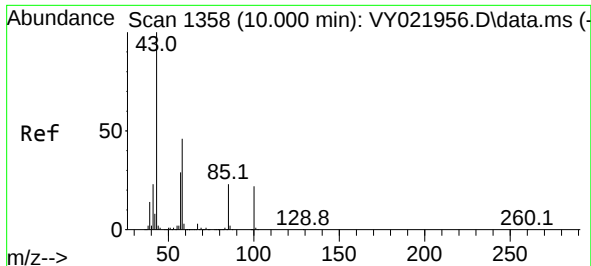
Tgt Ion:117 Resp: 36524
Ion Ratio Lower Upper
117 100
119 6.2 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 48.208 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022088.D
Acq: 30 Apr 2025 17:29

Tgt Ion: 98 Resp: 851694
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4

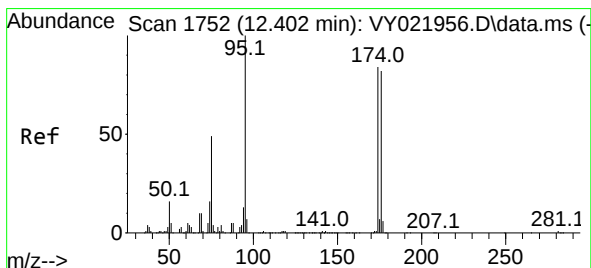
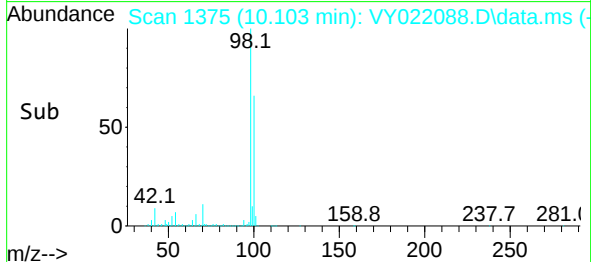
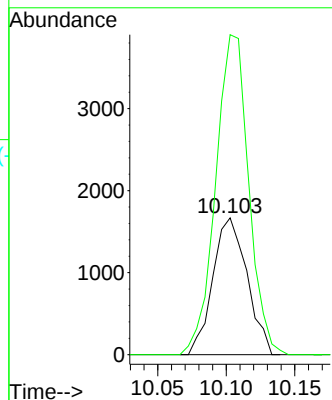
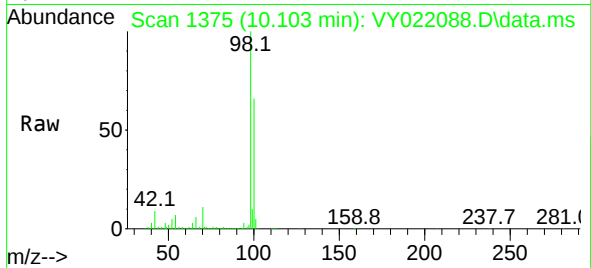




#51
4-Methyl-2-Pentanone
Concen: 1.275 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY022088.D
Acq: 30 Apr 2025 17:29

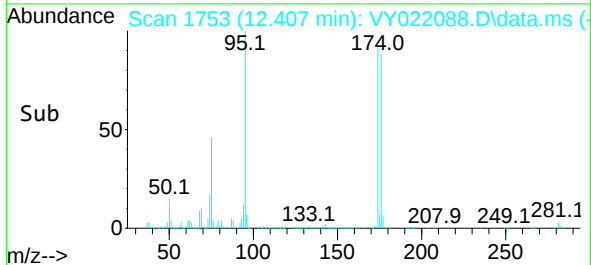
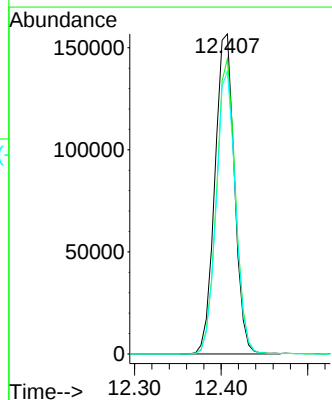
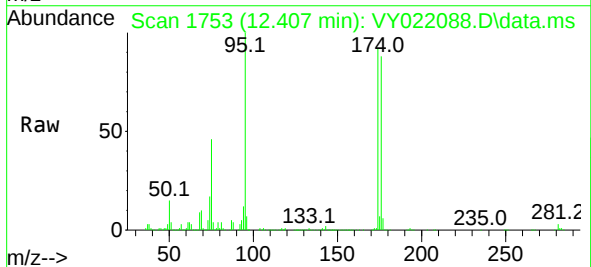
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MSVOA_Y
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OU4-VSL-18-042325

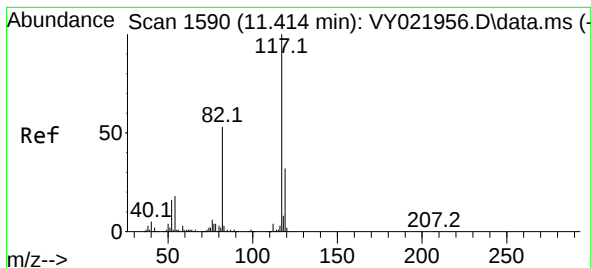
Tgt Ion: 43 Resp: 2901
Ion Ratio Lower Upper
43 100
58 225.8 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 41.219 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022088.D
Acq: 30 Apr 2025 17:29

Tgt Ion: 95 Resp: 245148
Ion Ratio Lower Upper
95 100
174 90.3 0.0 179.0
176 86.9 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.413 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022088.D

Acq: 30 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

OU4-VSL-18-042325

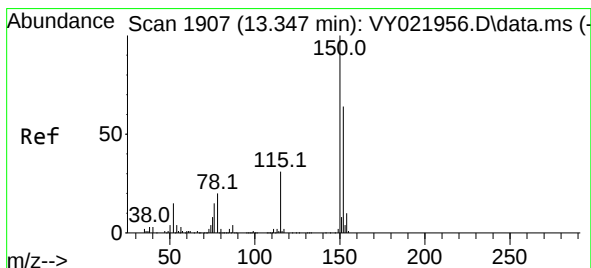
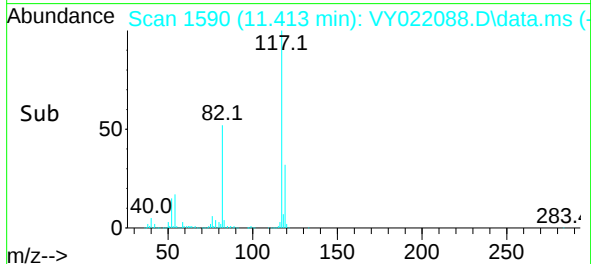
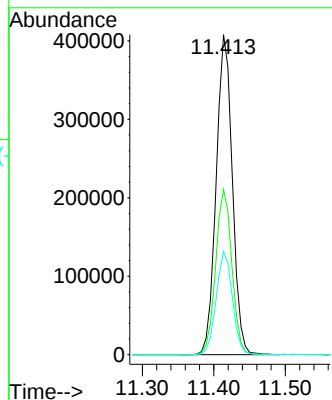
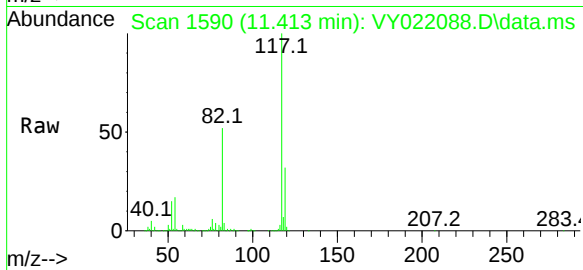
Tgt Ion:117 Resp: 640665

Ion Ratio Lower Upper

117 100

82 51.7 42.1 63.1

119 32.2 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: VY022088.D

Acq: 30 Apr 2025 17:29

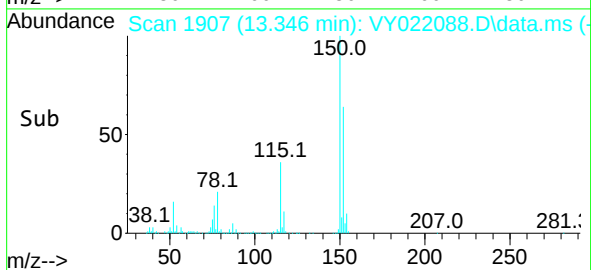
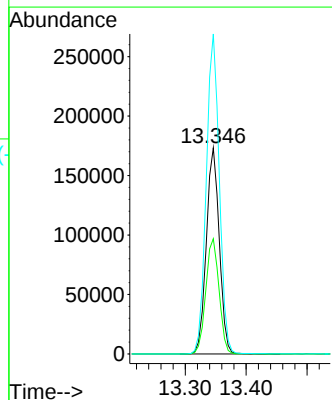
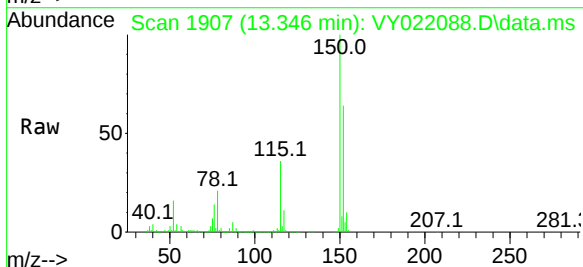
Tgt Ion:152 Resp: 256467

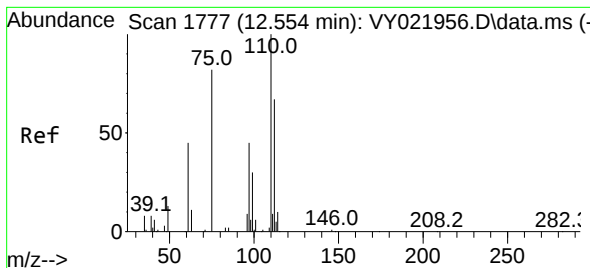
Ion Ratio Lower Upper

152 100

115 56.9 28.0 84.0

150 155.9 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 54.266 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022088.D

Acq: 30 Apr 2025 17:29

Instrument :

MSVOA_Y

ClientSampleId :

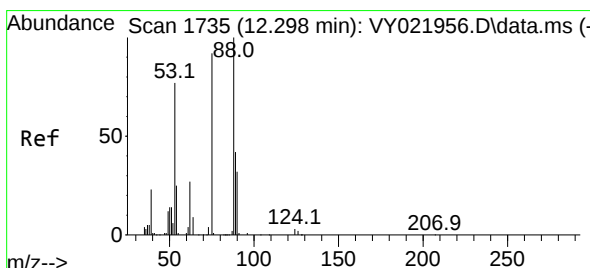
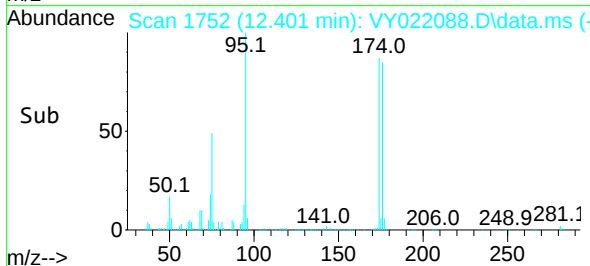
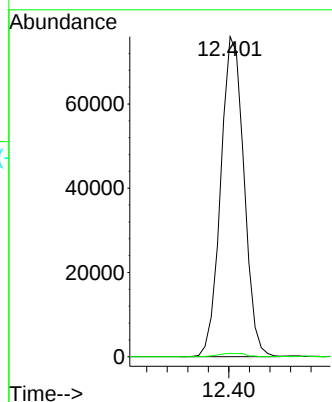
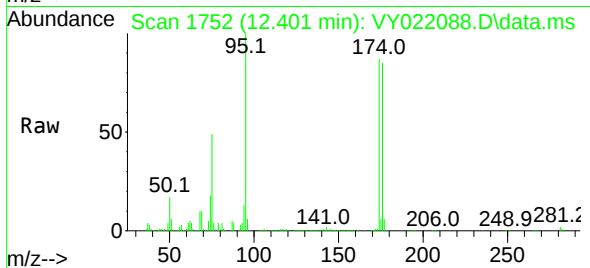
OU4-VSL-18-042325

Tgt Ion: 75 Resp: 119210

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 130.681 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.103 min

Lab File: VY022088.D

Acq: 30 Apr 2025 17:29

Tgt Ion: 75 Resp: 119210

Ion Ratio Lower Upper

75 100

53 0.2 66.0 99.0#

89 0.0 37.2 55.8#

