

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022159.D
 Acq On : 05 May 2025 15:08
 Operator : SY/MD
 Sample : Q1936-04
 Misc : 5.27g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SMALL-PILE-B

Quant Time: May 06 05:22:11 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)

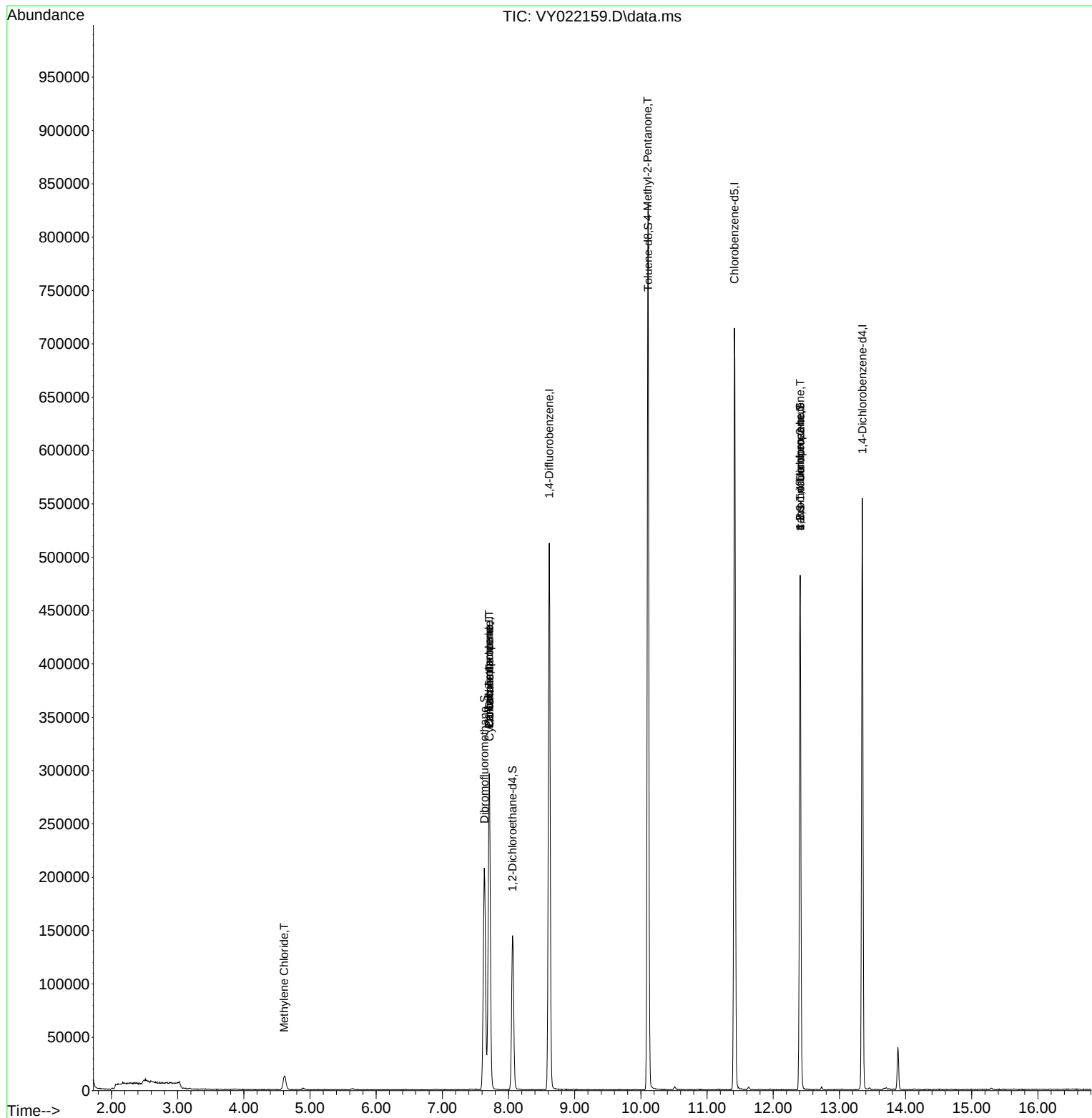
Internal Standards						
1) Pentafluorobenzene	7.707	168	228027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	442358	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	390377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	141402	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	116031	55.089	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.180%			
35) Dibromofluoromethane	7.634	113	147868	50.597	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.200%			
50) Toluene-d8	10.109	98	540559	49.063	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.120%			
62) 4-Bromofluorobenzene	12.407	95	142934	38.537	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 77.080%			
Target Compounds					Qvalue	
16) Acetone	3.872	43	841	Below Cal	#	87
20) Methylene Chloride	4.610	84	9959	3.739	ug/l	95
31) Cyclohexane	7.713	56	4365	1.254	ug/l #	4
36) 1,1-Dichloropropene	7.707	75	17720	4.514	ug/l #	48
38) Carbon Tetrachloride	7.707	117	23349	4.978	ug/l #	15
51) 4-Methyl-2-Pentanone	10.103	43	1933	1.362	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	71945	59.401	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	71945	143.046	ug/l #	16

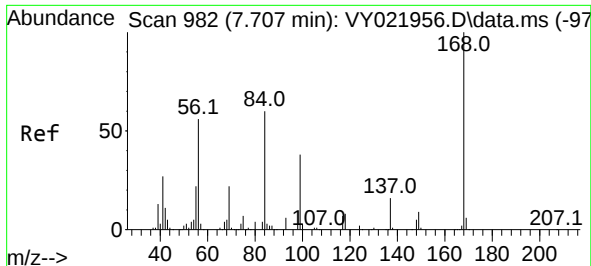
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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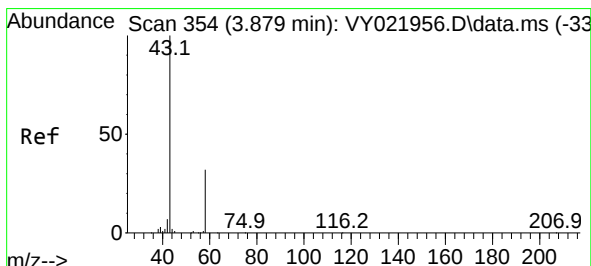
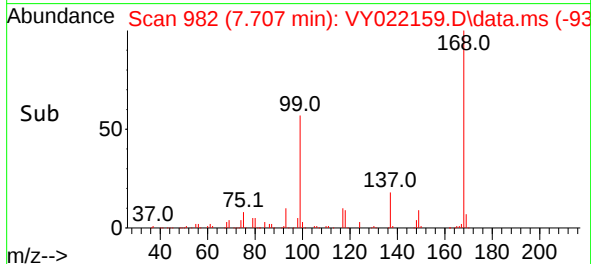
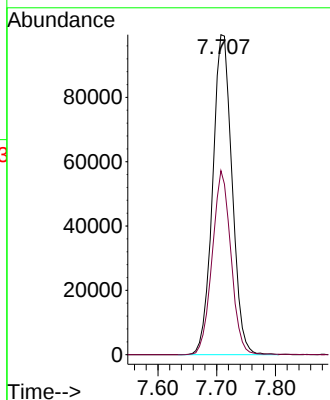
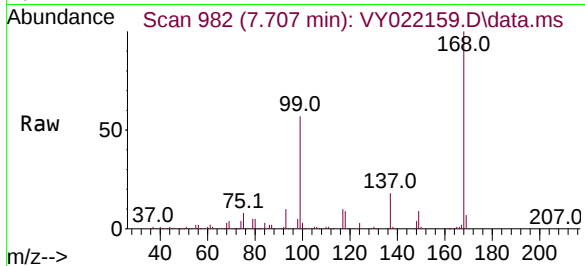




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022159.D
Acq: 05 May 2025 15:08

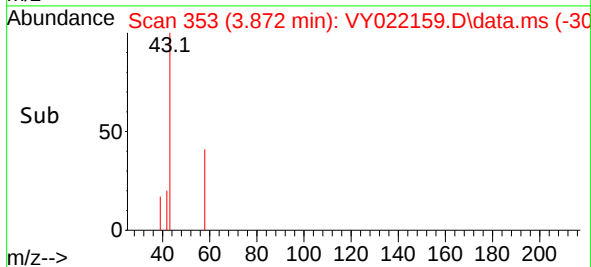
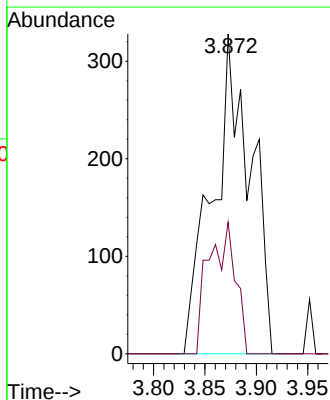
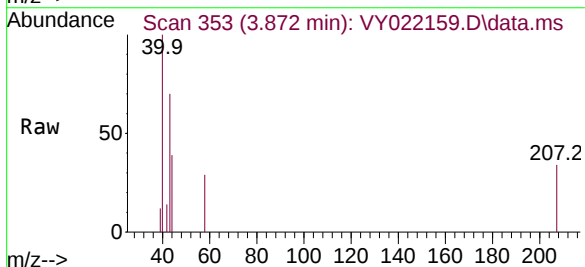
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MSVOA_Y
ClientSampleId :
SMALL-PILE-B

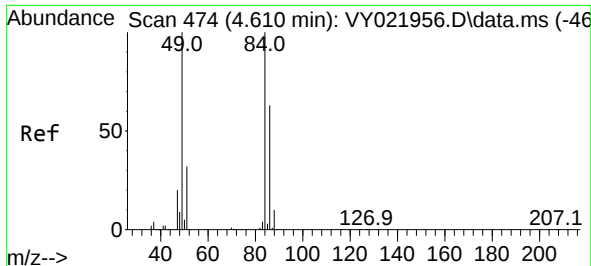
Tgt Ion:168 Resp: 228027
Ion Ratio Lower Upper
168 100
99 57.5 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.872 min Scan# 353
Delta R.T. -0.007 min
Lab File: VY022159.D
Acq: 05 May 2025 15:08

Tgt Ion: 43 Resp: 841
Ion Ratio Lower Upper
43 100
58 41.2 27.0 40.4#

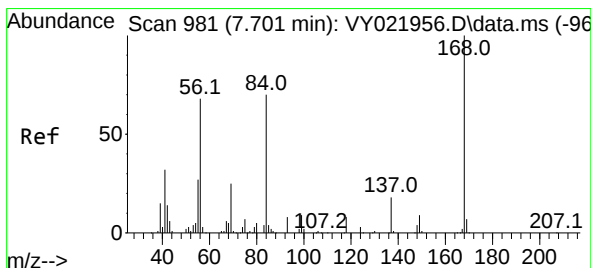
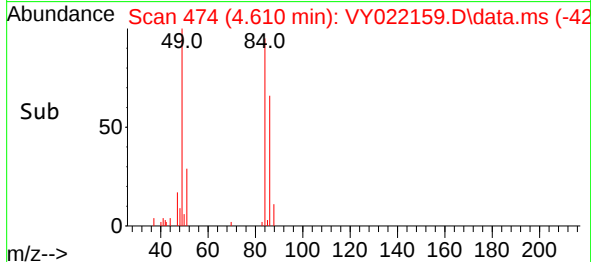
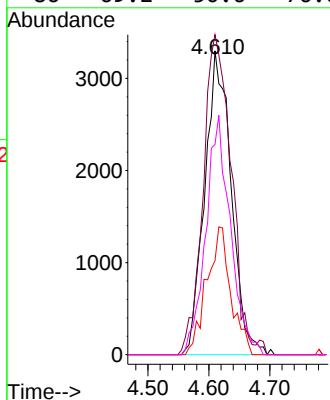
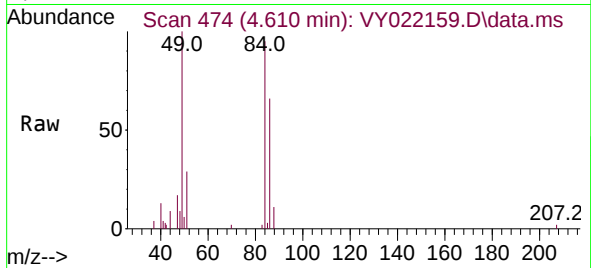




#20
Methylene Chloride
Concen: 3.739 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY022159.D
Acq: 05 May 2025 15:08

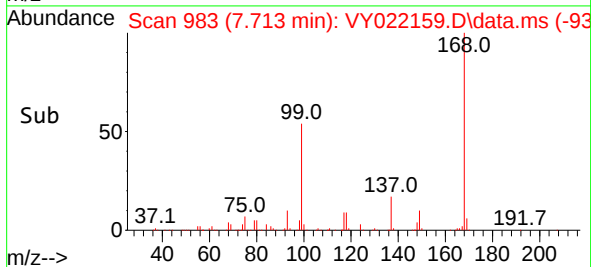
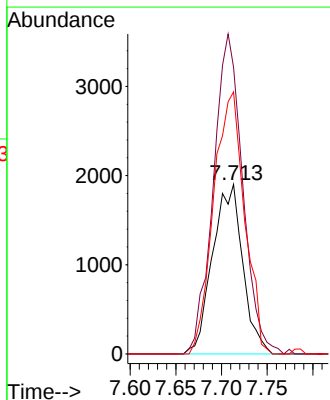
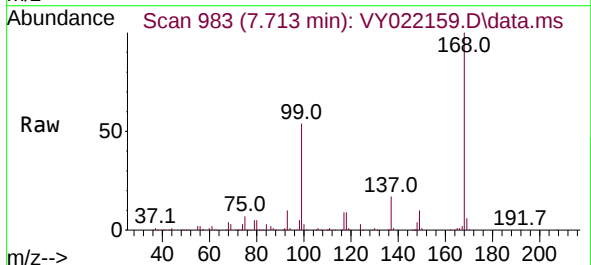
Instrument :
MSVOA_Y
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SMALL-PILE-B

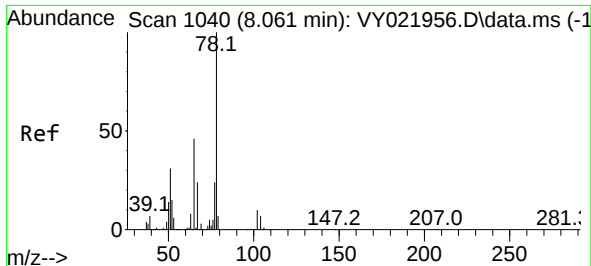
Tgt Ion:	84	Resp:	9959
Ion	Ratio	Lower	Upper
84	100		
49	105.3	79.9	119.9
51	31.0	25.4	38.0
86	69.2	50.6	76.0



#31
Cyclohexane
Concen: 1.254 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY022159.D
Acq: 05 May 2025 15:08

Tgt Ion:	56	Resp:	4365
Ion	Ratio	Lower	Upper
56	100		
69	169.1	29.4	44.2#
84	154.6	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 55.089 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY022159.D

Acq: 05 May 2025 15:08

Instrument :

MSVOA_Y

ClientSampleId :

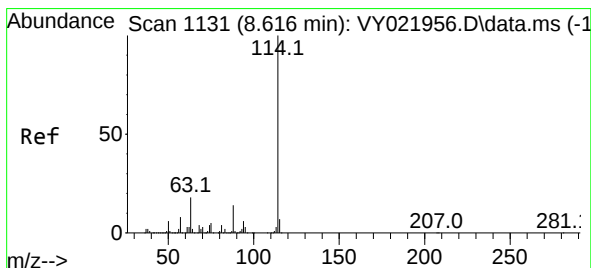
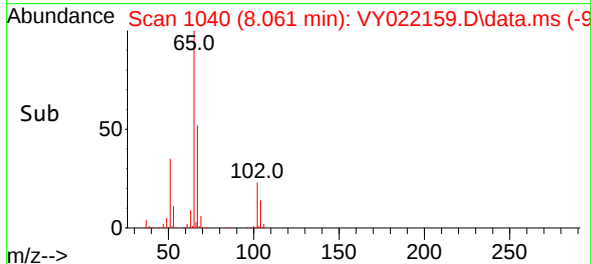
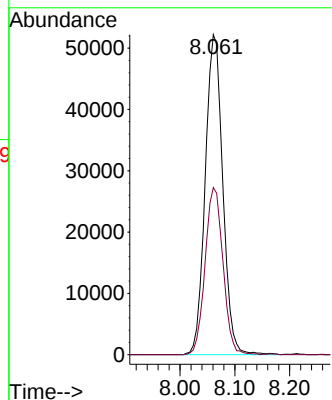
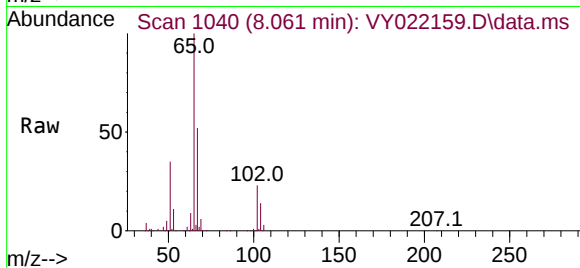
SMALL-PILE-B

Tgt Ion: 65 Resp: 116031

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022159.D

Acq: 05 May 2025 15:08

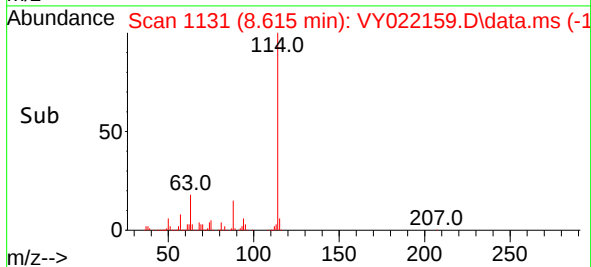
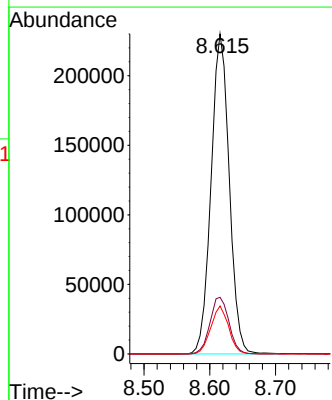
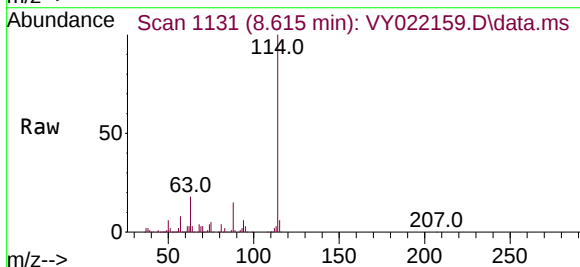
Tgt Ion:114 Resp: 442358

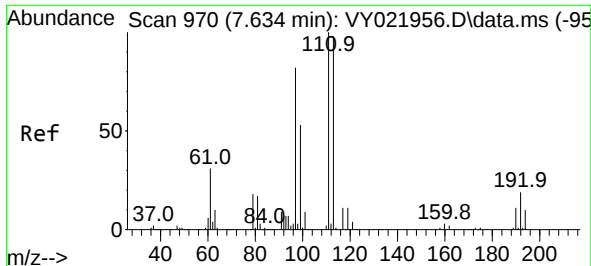
Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.4

88 15.0 0.0 28.2

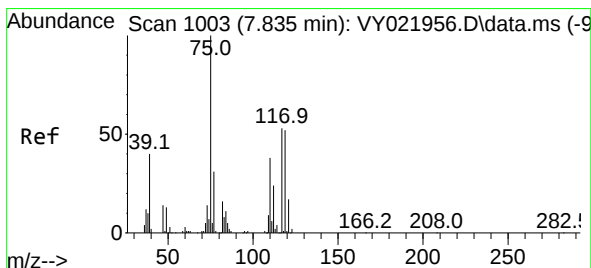
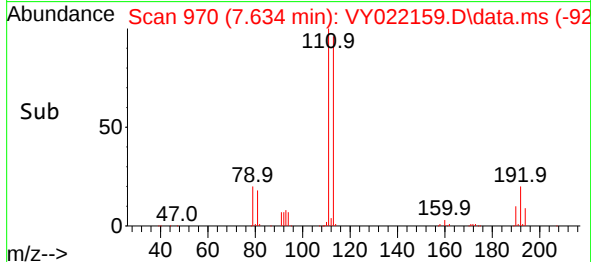
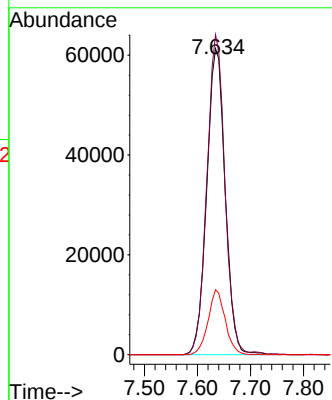
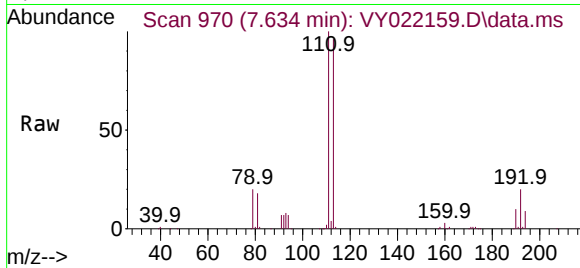




#35
Dibromofluoromethane
Concen: 50.597 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022159.D
Acq: 05 May 2025 15:08

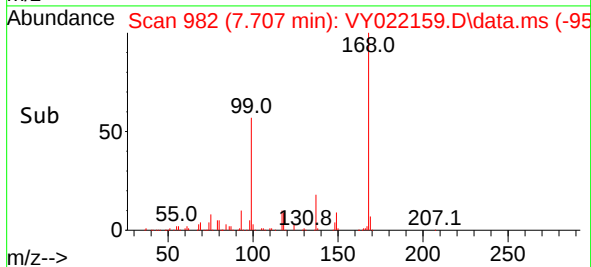
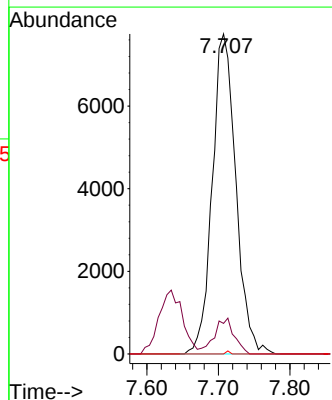
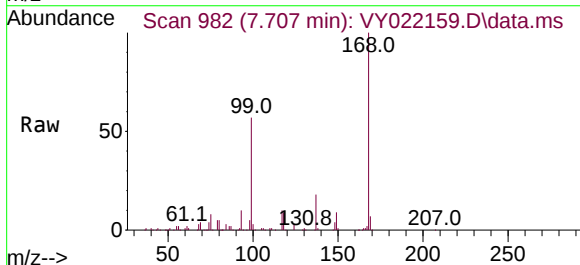
Instrument :
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ClientSampleId :
SMALL-PILE-B

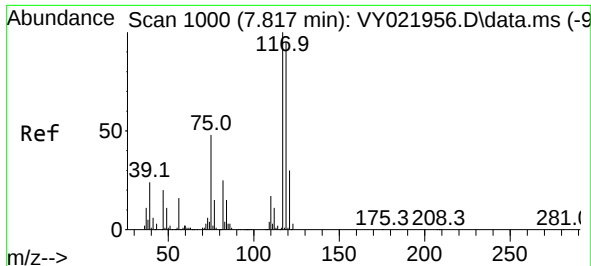
Tgt Ion:113 Resp: 147868
Ion Ratio Lower Upper
113 100
111 102.2 81.8 122.8
192 19.7 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.514 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022159.D
Acq: 05 May 2025 15:08

Tgt Ion: 75 Resp: 17720
Ion Ratio Lower Upper
75 100
110 9.5 19.1 57.3#
77 0.2 25.5 38.3#

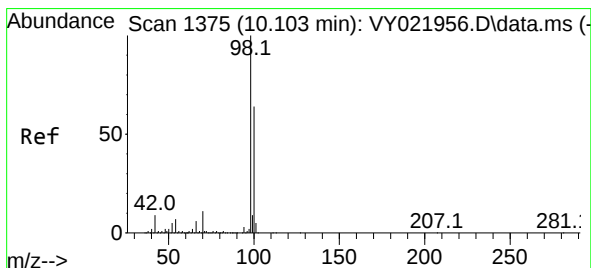
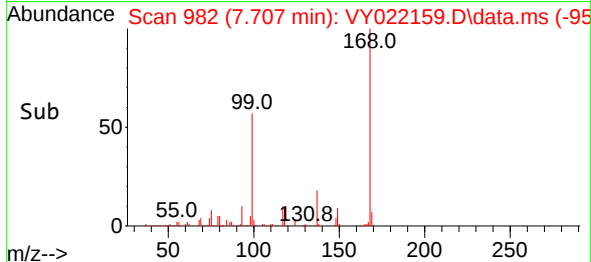
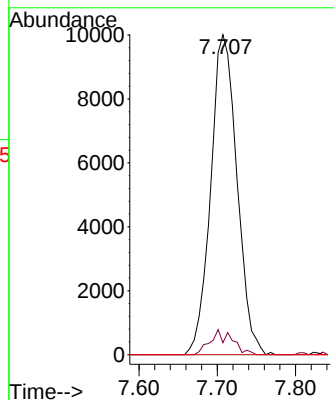
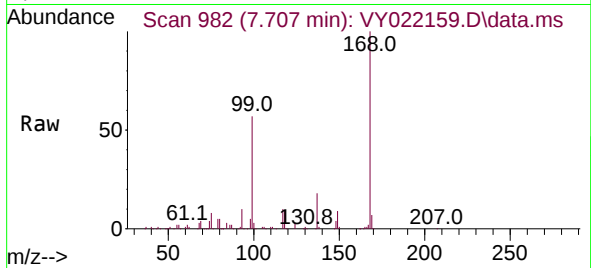




#38
Carbon Tetrachloride
Concen: 4.978 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022159.D
Acq: 05 May 2025 15:08

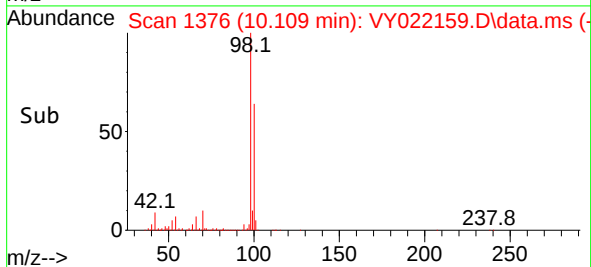
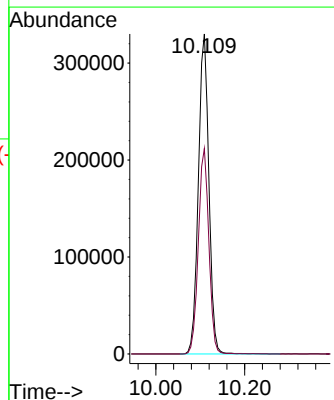
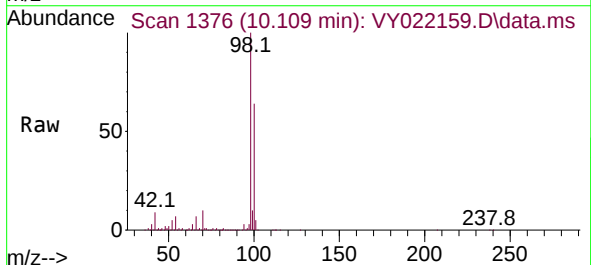
Instrument :
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SMALL-PILE-B

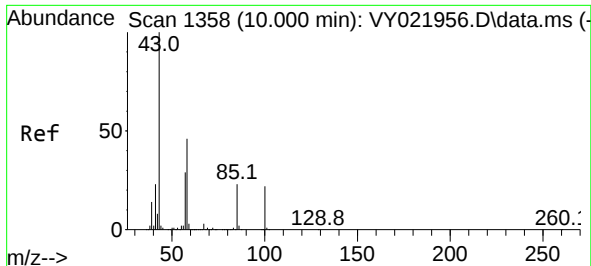
Tgt Ion:117 Resp: 23349
Ion Ratio Lower Upper
117 100
119 3.8 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 49.063 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022159.D
Acq: 05 May 2025 15:08

Tgt Ion: 98 Resp: 540559
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4

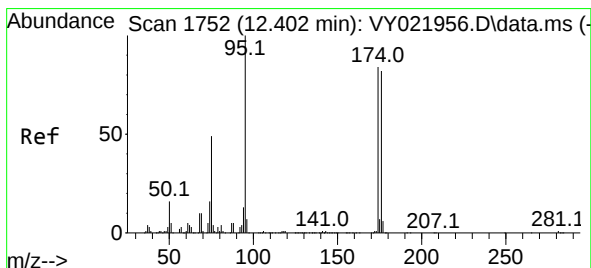
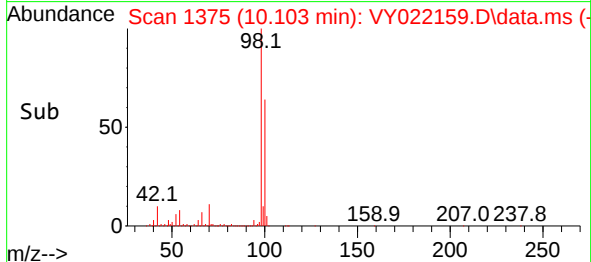
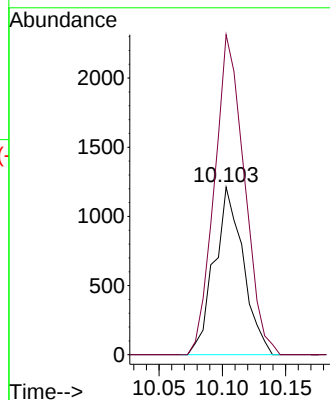
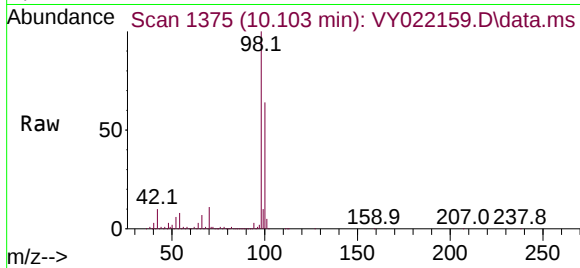




#51
4-Methyl-2-Pentanone
Concen: 1.362 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY022159.D
Acq: 05 May 2025 15:08

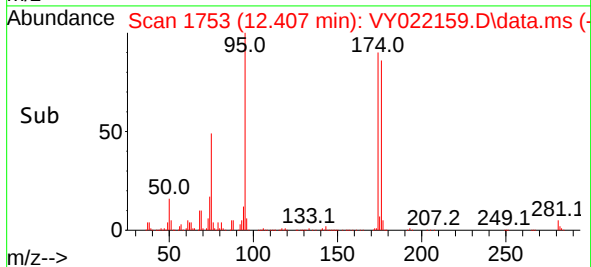
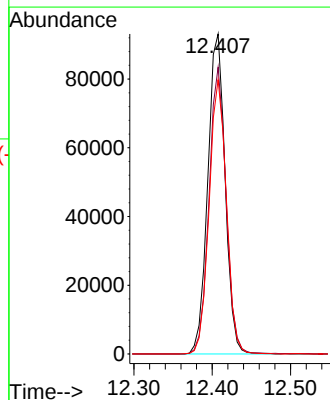
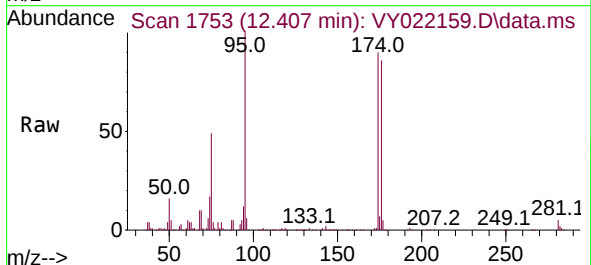
Instrument :
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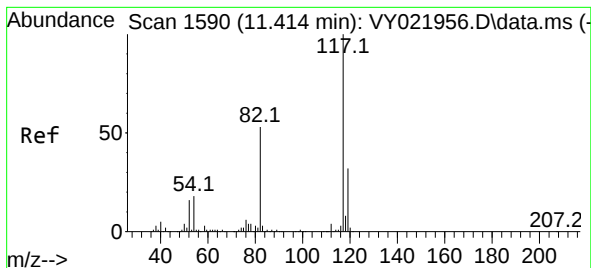
Tgt Ion: 43 Resp: 1933
Ion Ratio Lower Upper
43 100
58 197.0 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 38.537 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022159.D
Acq: 05 May 2025 15:08

Tgt Ion: 95 Resp: 142934
Ion Ratio Lower Upper
95 100
174 88.5 0.0 179.0
176 85.5 0.0 171.8

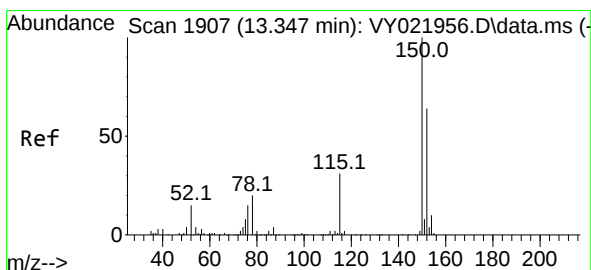
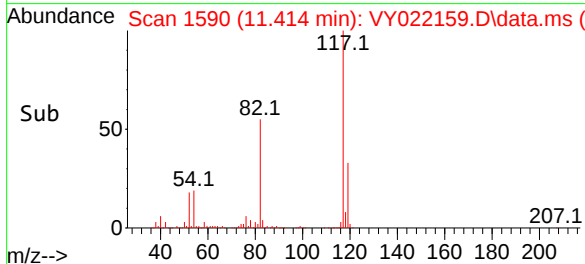
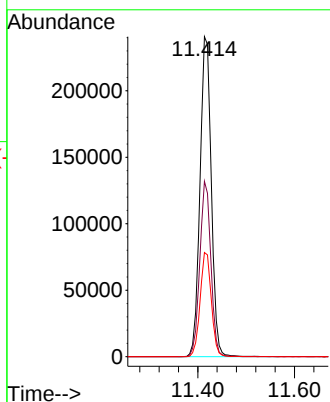
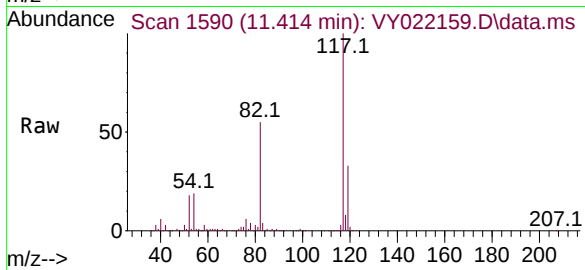




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022159.D
Acq: 05 May 2025 15:08

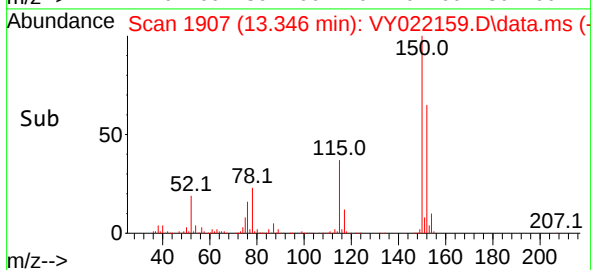
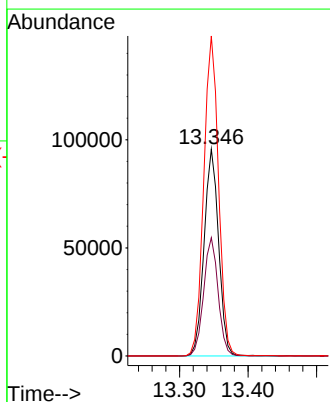
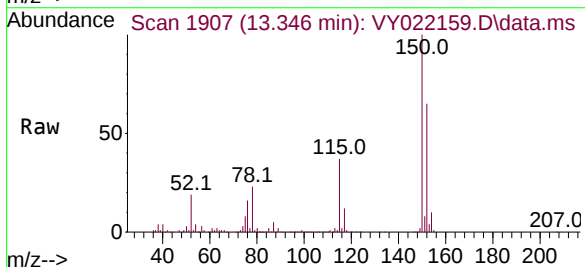
Instrument :
MSVOA_Y
ClientSampleId :
SMALL-PILE-B

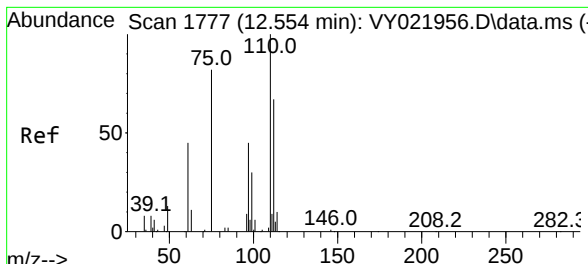
Tgt Ion:117 Resp: 390377
Ion Ratio Lower Upper
117 100
82 54.8 42.1 63.1
119 32.6 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022159.D
Acq: 05 May 2025 15:08

Tgt Ion:152 Resp: 141402
Ion Ratio Lower Upper
152 100
115 56.8 28.0 84.0
150 156.8 0.0 345.6

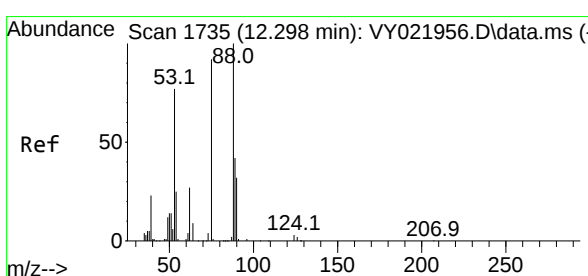
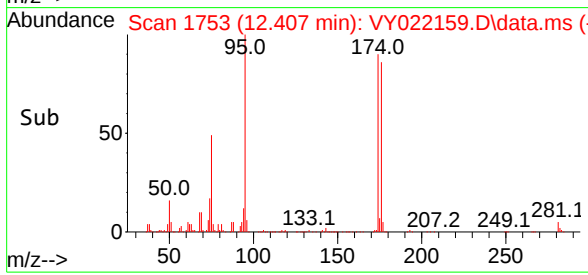
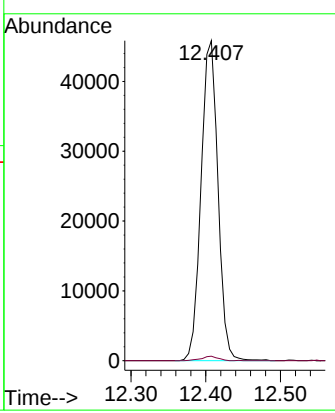
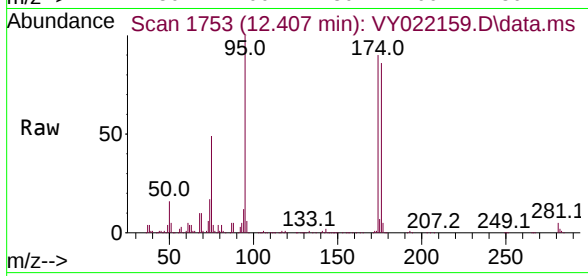




#76
 1,2,3-Trichloropropane
 Concen: 59.401 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY022159.D
 Acq: 05 May 2025 15:08

Instrument :
 MSVOA_Y
 ClientSampleId :
 SMALL-PILE-B

Tgt Ion:	75	Resp:	71945
Ion Ratio	Lower	Upper	
75	100		
77	1.4	0.0	0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 143.046 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. 0.110 min
 Lab File: VY022159.D
 Acq: 05 May 2025 15:08

Tgt Ion:	75	Resp:	71945
Ion Ratio	Lower	Upper	
75	100		
53	0.2	66.0	99.0#
89	0.2	37.2	55.8#

