

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022561.D
 Acq On : 05 Jun 2025 09:11
 Operator : SY/MD
 Sample : VY0605SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0605SBL01

Quant Time: Jun 06 01:19:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

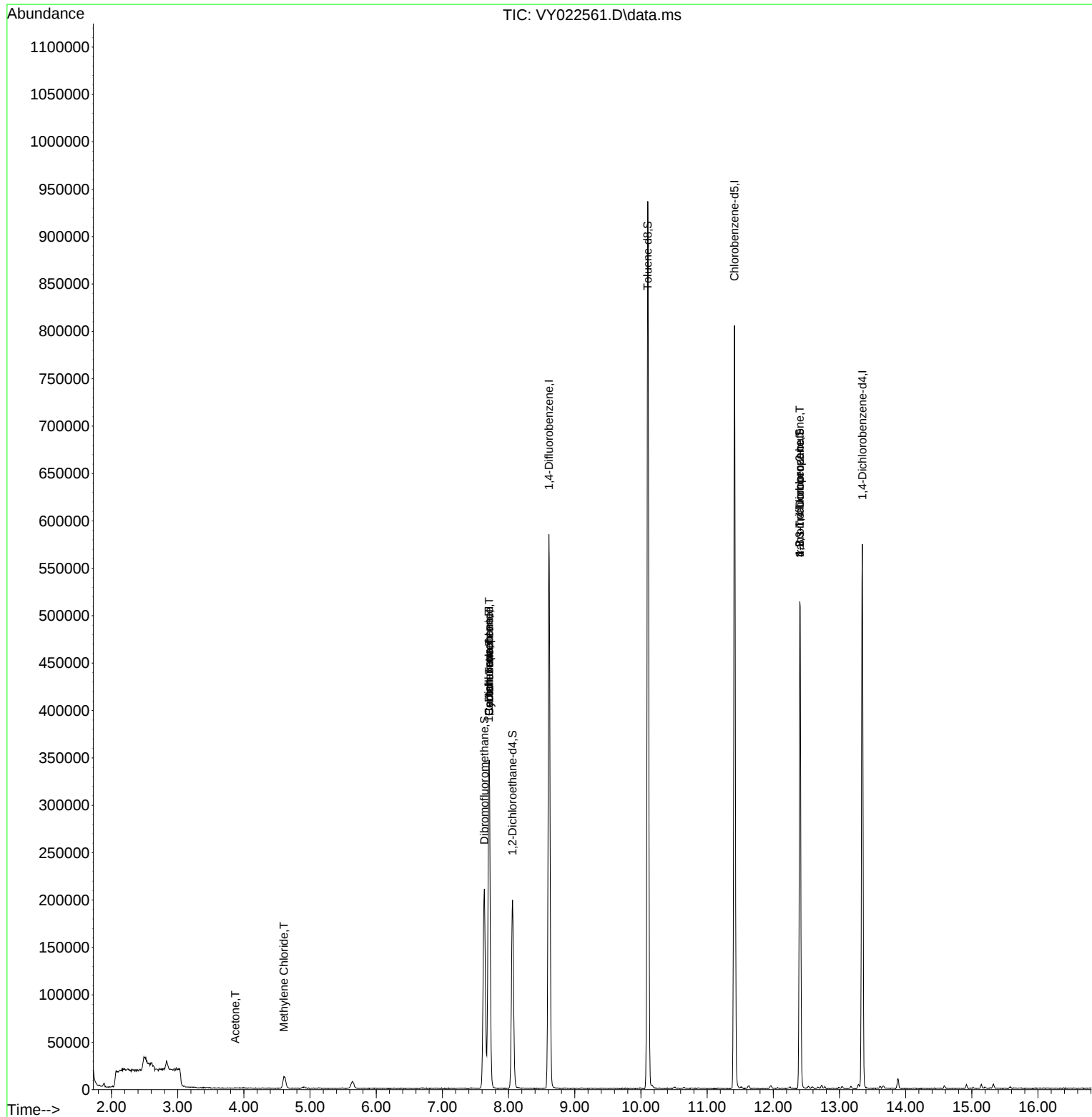
Internal Standards						
1) Pentafluorobenzene	7.707	168	260317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	481555	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	383268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	134444	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	150403	51.658	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.320%			
35) Dibromofluoromethane	7.634	113	144501	50.273	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.540%			
50) Toluene-d8	10.103	98	576294	49.621	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.240%			
62) 4-Bromofluorobenzene	12.401	95	140831	40.698	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 81.400%			
Target Compounds					Qvalue	
16) Acetone	3.872	43	609	1.030	ug/l #	77
20) Methylene Chloride	4.604	84	8743	2.603	ug/l	95
31) Cyclohexane	7.707	56	6877	1.229	ug/l #	16
36) 1,1-Dichloropropene	7.701	75	23718	5.084	ug/l #	50
38) Carbon Tetrachloride	7.707	117	27538	5.754	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	84396	54.871	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	84396	132.509	ug/l #	10

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

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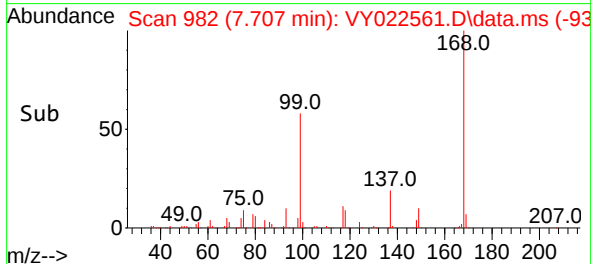
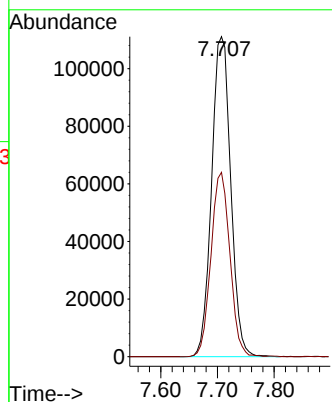
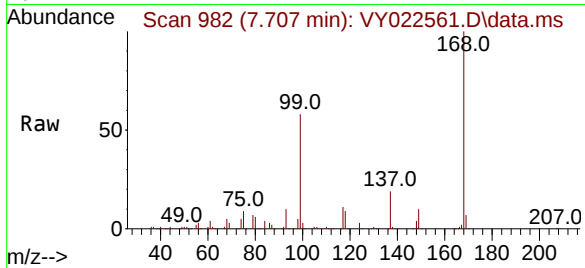




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

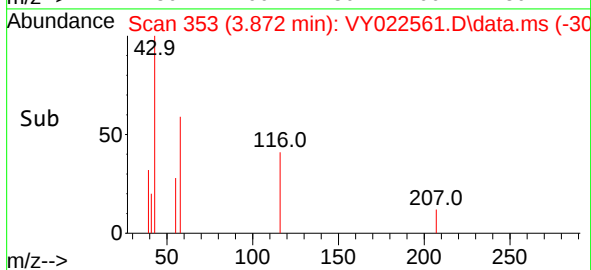
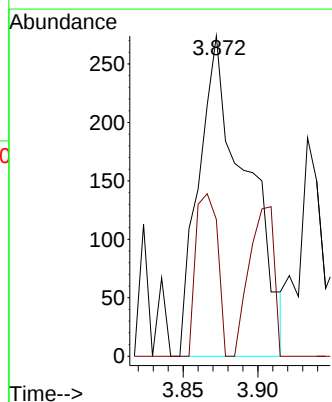
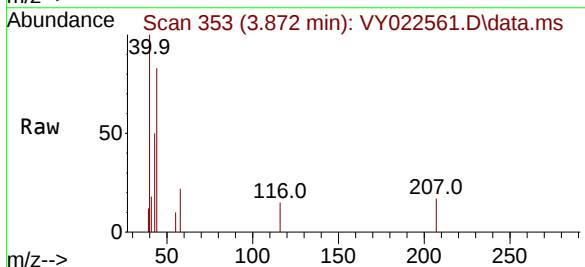
Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

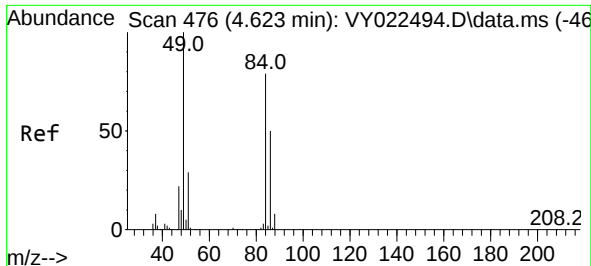
Tgt Ion:168 Resp: 260317
Ion Ratio Lower Upper
168 100
99 57.6 44.3 66.5



#16
Acetone
Concen: 1.030 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.007 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

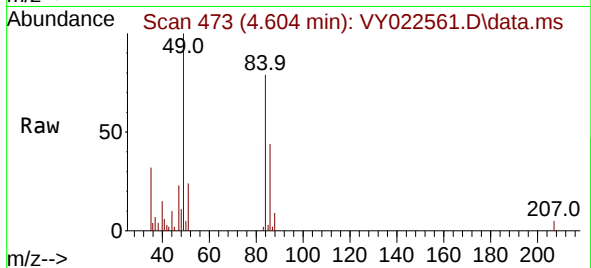
Tgt Ion: 43 Resp: 609
Ion Ratio Lower Upper
43 100
58 42.7 24.0 36.0#



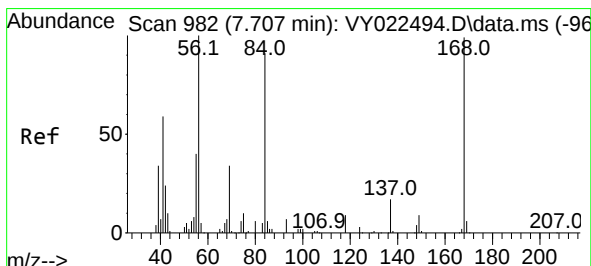
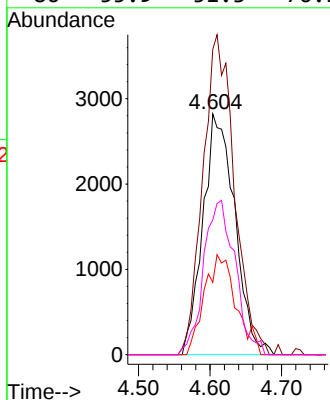
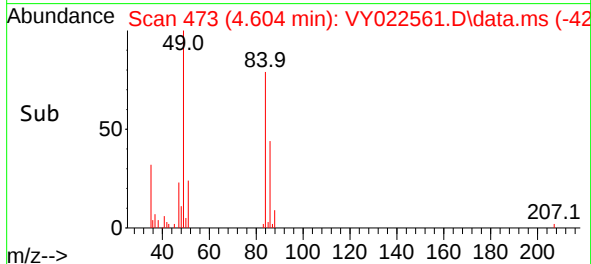


#20
Methylene Chloride
Concen: 2.603 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.019 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

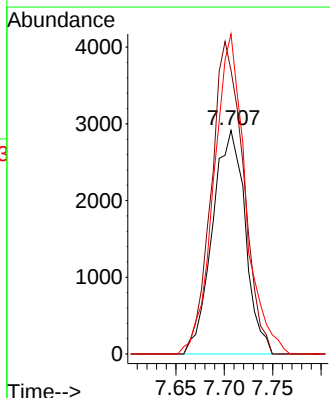
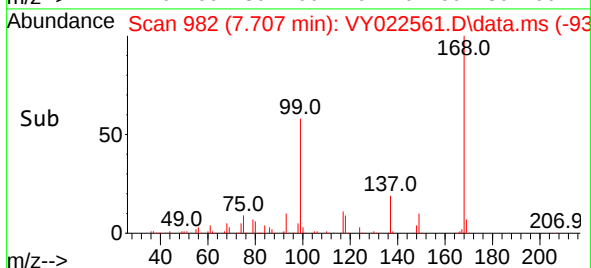
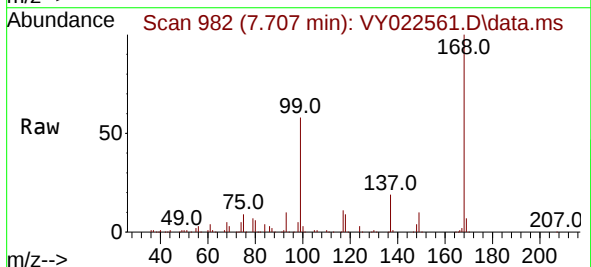


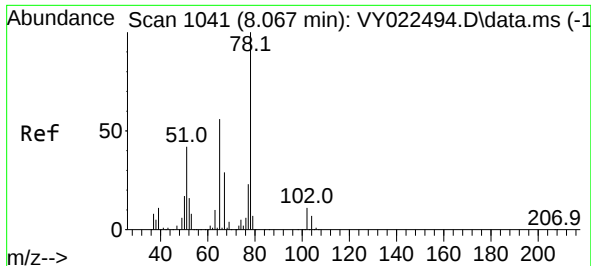
Tgt Ion:	84	Resp:	8743
Ion	Ratio	Lower	Upper
84	100		
49	126.8	101.9	152.9
51	30.0	29.8	44.8
86	55.9	51.3	76.9



#31
Cyclohexane
Concen: 1.229 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

Tgt Ion:	56	Resp:	6877
Ion	Ratio	Lower	Upper
56	100		
69	126.9	27.0	40.6#
84	143.1	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 51.658 ug/l

RT: 8.060 min Scan# 110

Delta R.T. -0.007 min

Lab File: VY022561.D

Acq: 05 Jun 2025 09:11

Instrument :

MSVOA_Y

ClientSampleId :

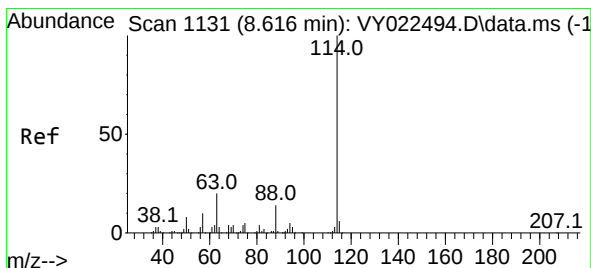
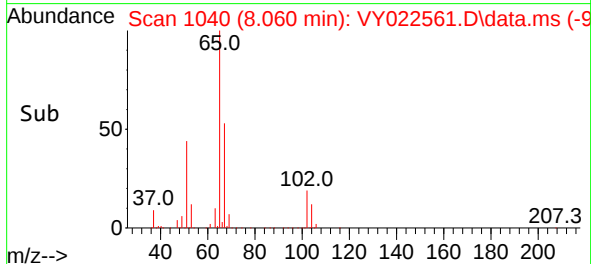
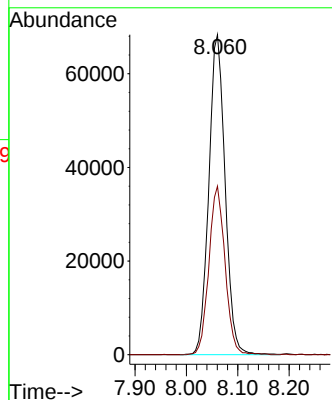
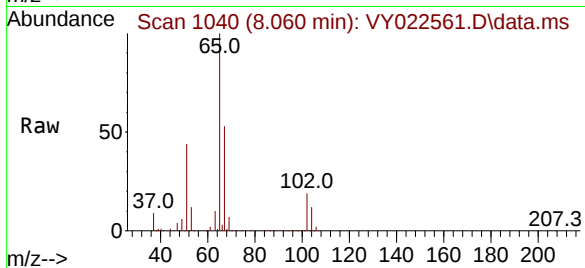
VY0605SBL01

Tgt Ion: 65 Resp: 150403

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.007 min

Lab File: VY022561.D

Acq: 05 Jun 2025 09:11

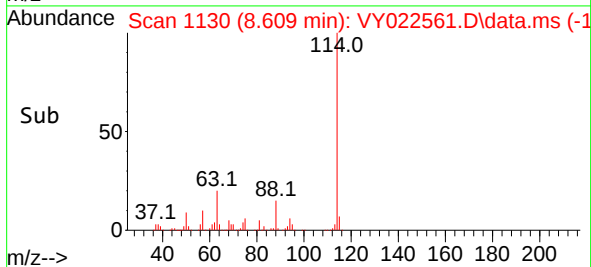
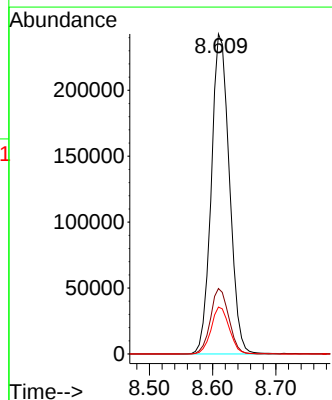
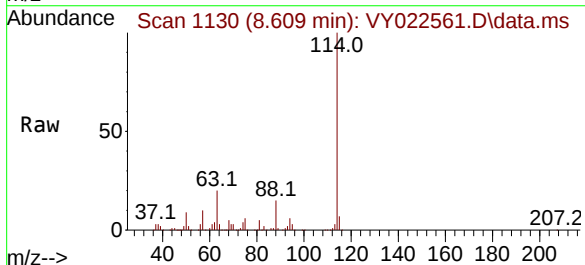
Tgt Ion: 114 Resp: 481555

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 14.7 0.0 27.8

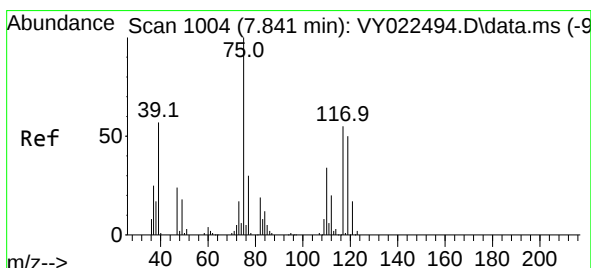
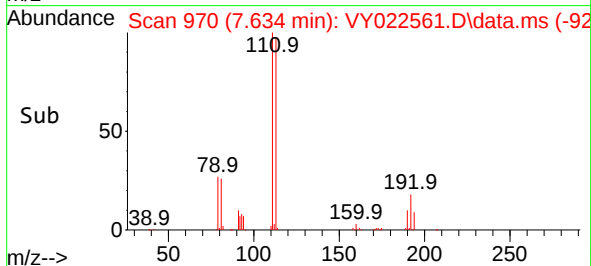
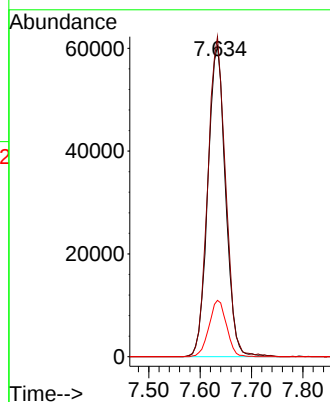
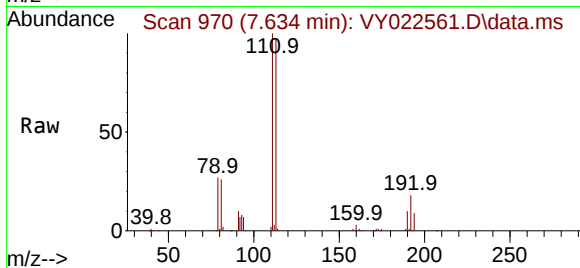




#35
Dibromofluoromethane
Concen: 50.273 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.007 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

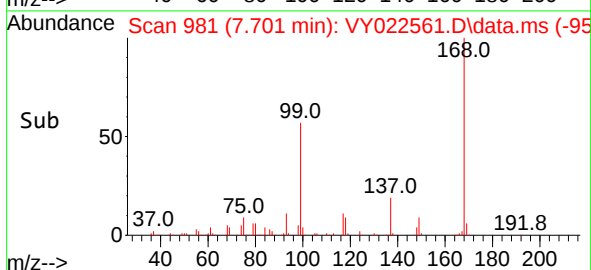
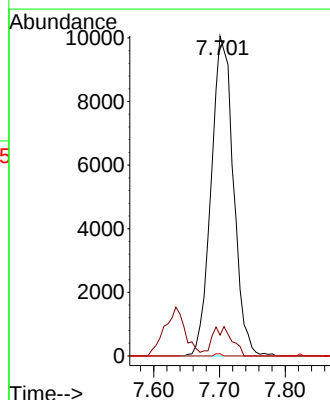
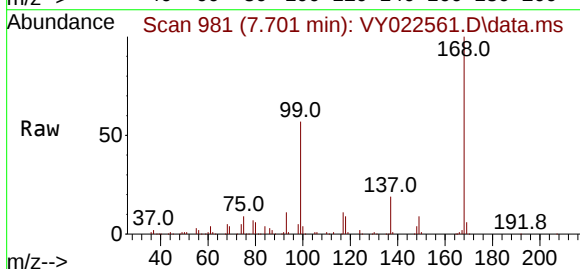
Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

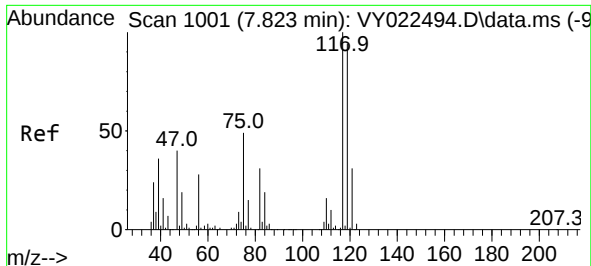
Tgt Ion:113 Resp: 144501
Ion Ratio Lower Upper
113 100
111 103.7 81.1 121.7
192 17.9 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.084 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.141 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

Tgt Ion: 75 Resp: 23718
Ion Ratio Lower Upper
75 100
110 8.1 16.9 50.7#
77 0.2 24.8 37.2#

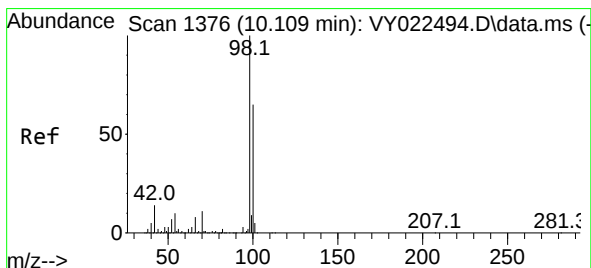
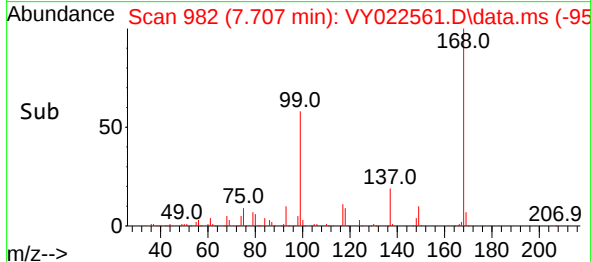
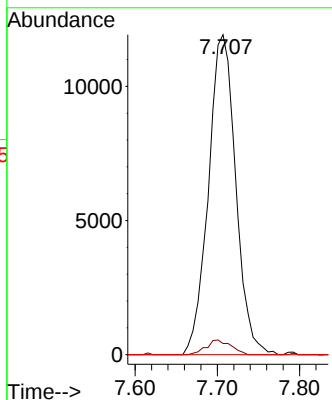
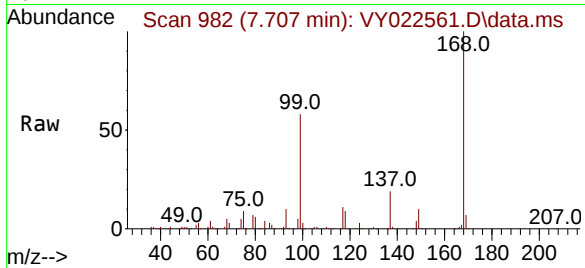




#38
Carbon Tetrachloride
Concen: 5.754 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

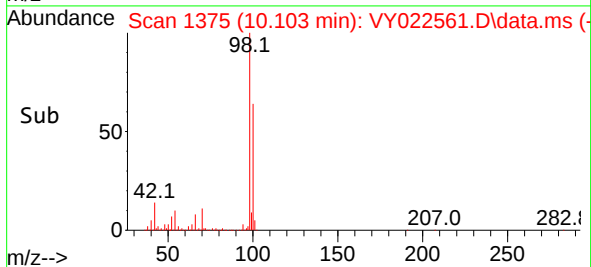
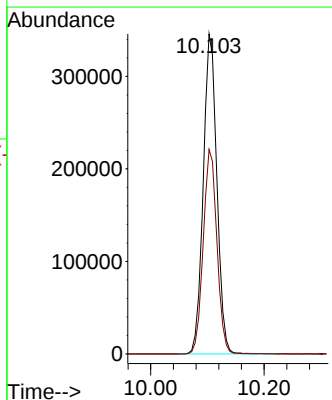
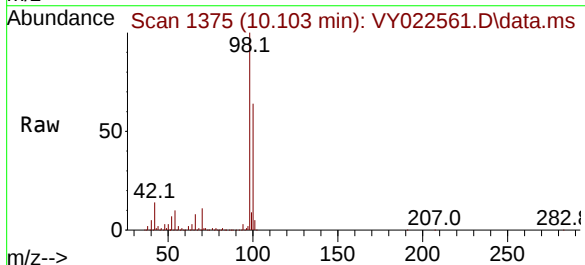
Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

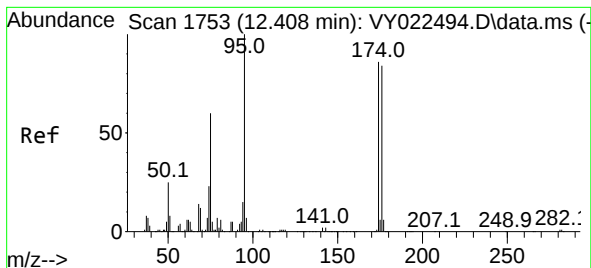
Tgt Ion:117 Resp: 27538
Ion Ratio Lower Upper
117 100
119 3.5 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 49.621 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.007 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

Tgt Ion: 98 Resp: 576294
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0

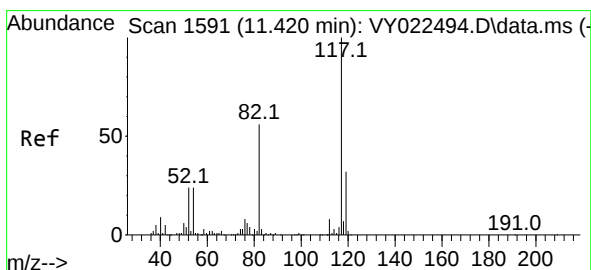
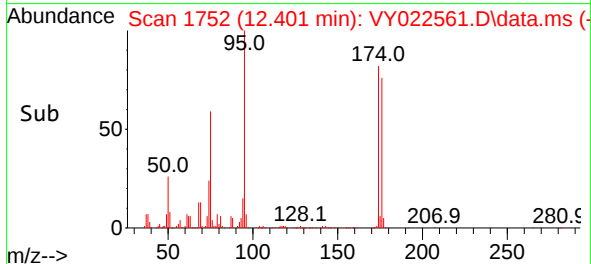
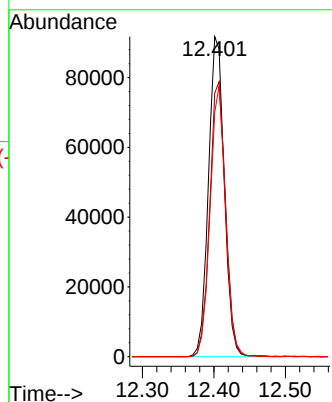
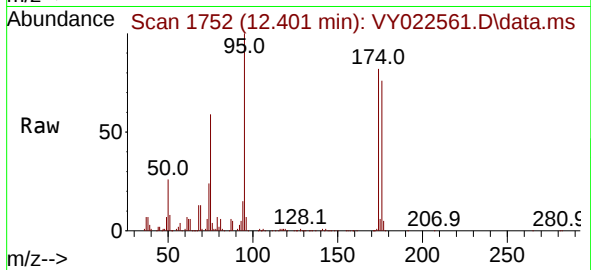




#62
4-Bromofluorobenzene
Concen: 40.698 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

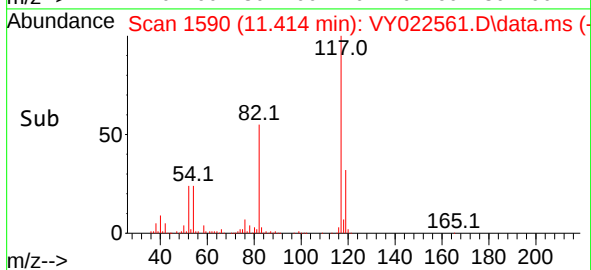
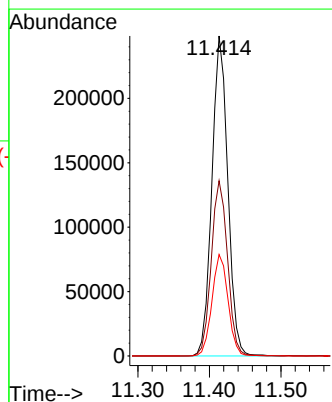
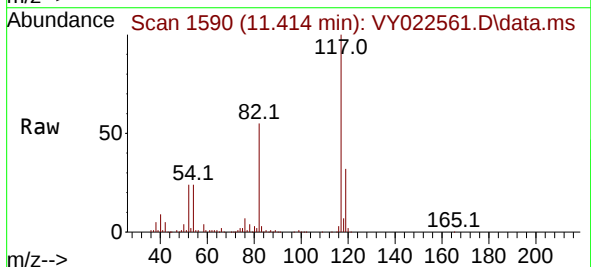
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VY0605SBL01

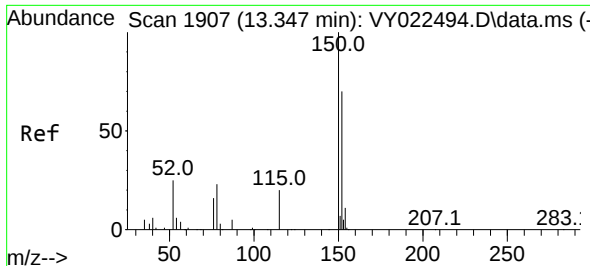
Tgt Ion: 95 Resp: 140831
Ion Ratio Lower Upper
95 100
174 86.6 0.0 170.0
176 82.7 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.007 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

Tgt Ion: 117 Resp: 383268
Ion Ratio Lower Upper
117 100
82 54.8 44.6 66.8
119 31.7 25.4 38.0

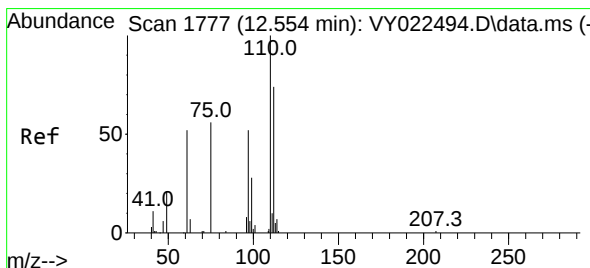
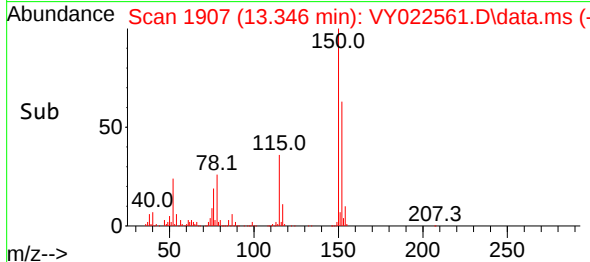
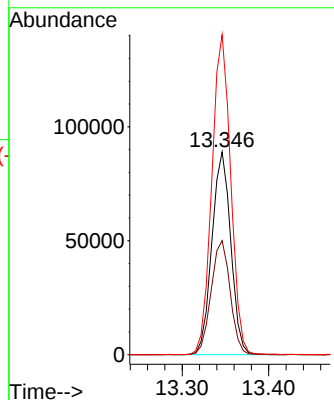
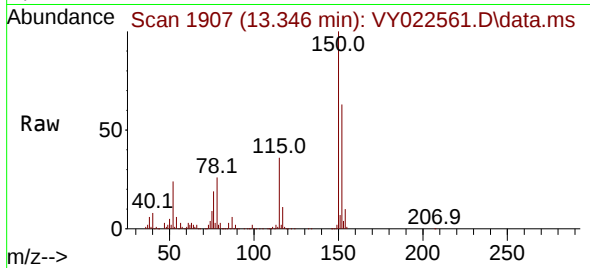




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022561.D
 Acq: 05 Jun 2025 09:11

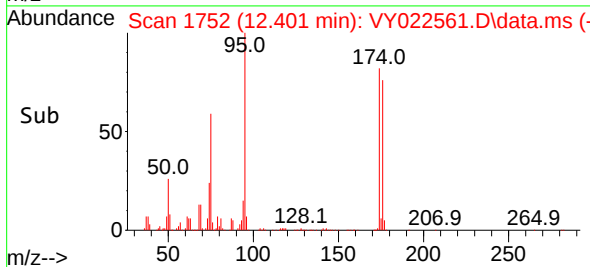
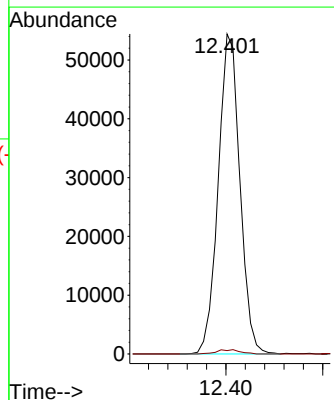
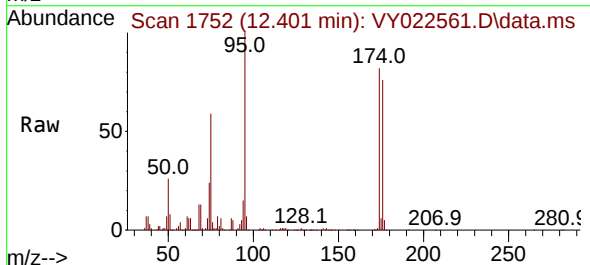
Instrument :
 MSVOA_Y
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 VY0605SBL01

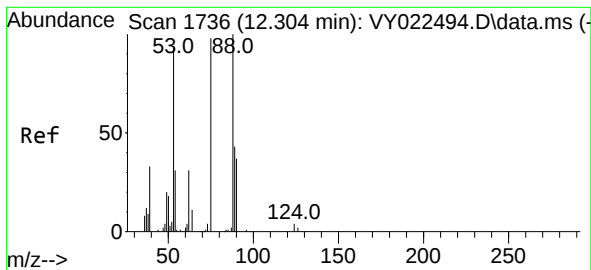
Tgt Ion:152 Resp: 134444
 Ion Ratio Lower Upper
 152 100
 115 57.0 28.9 86.7
 150 157.8 0.0 349.6



#76
 1,2,3-Trichloropropane
 Concen: 54.871 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY022561.D
 Acq: 05 Jun 2025 09:11

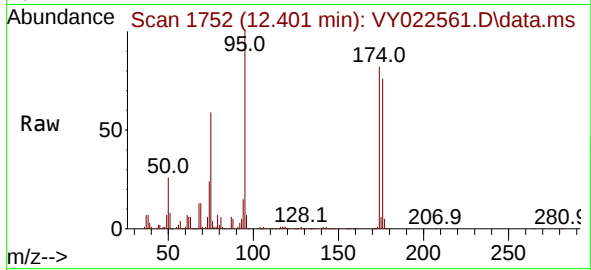
Tgt Ion: 75 Resp: 84396
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.509 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022561.D
 Acq: 05 Jun 2025 09:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0605SBL01



Tgt Ion: 75 Resp: 84396
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.1 35.7 53.5#

