

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022530.D
 Acq On : 03 Jun 2025 18:09
 Operator : SY/MD
 Sample : Q2176-05
 Misc : 5.85g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-28

Quant Time: Jun 04 04:16:33 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)

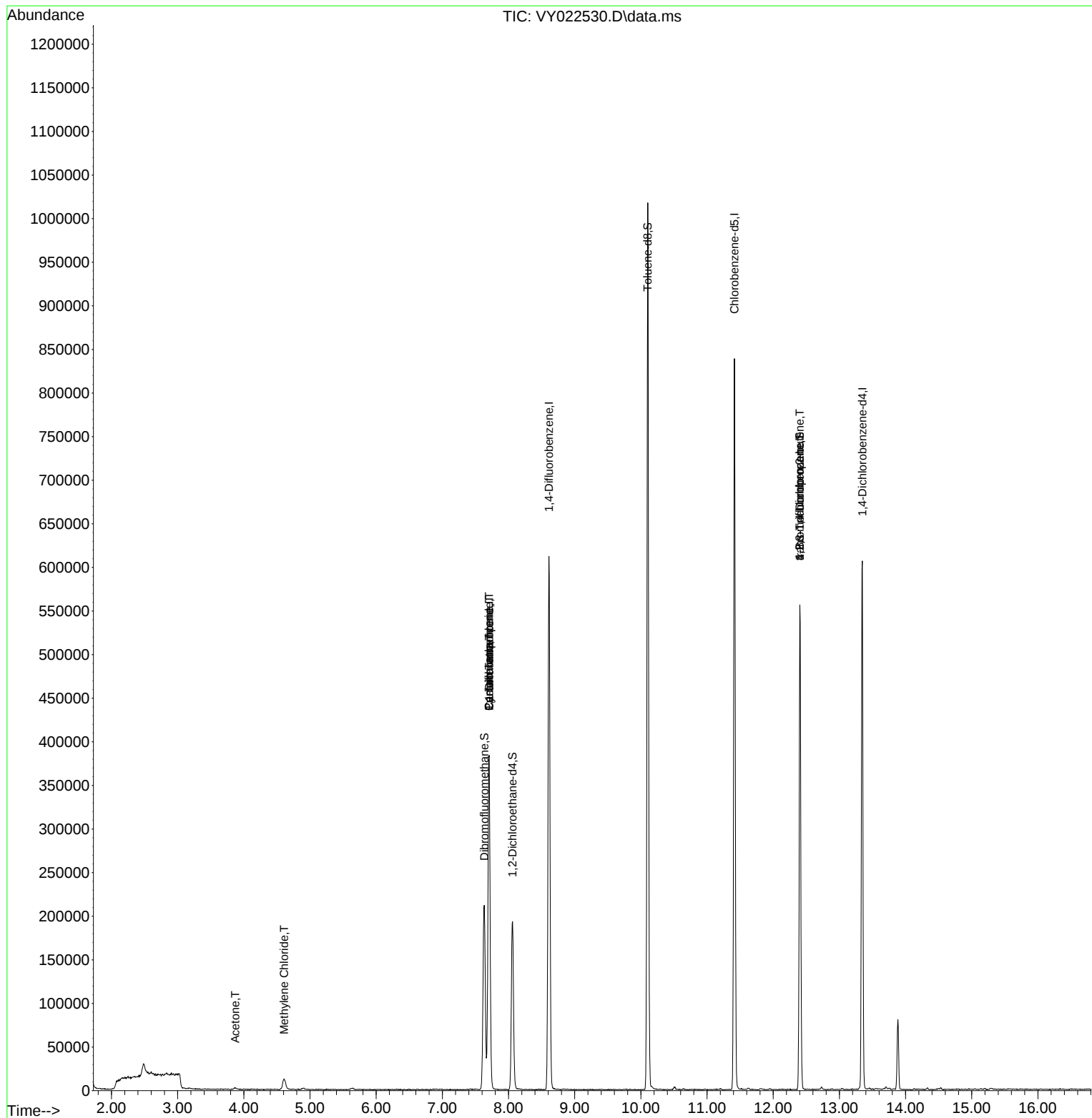
Internal Standards						
1) Pentafluorobenzene	7.707	168	287774	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	510573	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	400841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	141621	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	147241	45.747	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.500%		
35) Dibromofluoromethane	7.634	113	148611	48.765	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.520%		
50) Toluene-d8	10.103	98	614930	49.938	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.880%		
62) 4-Bromofluorobenzene	12.401	95	149582	40.770	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	81.540%		
Target Compounds						Qvalue
16) Acetone	3.872	43	3285	5.026	ug/l	92
20) Methylene Chloride	4.610	84	8473	2.282	ug/l	90
31) Cyclohexane	7.707	56	7741	1.252	ug/l #	25
36) 1,1-Dichloropropene	7.707	75	25697	5.195	ug/l #	51
38) Carbon Tetrachloride	7.707	117	30208	5.954	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	87058	53.733	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	87058	129.762	ug/l #	10

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

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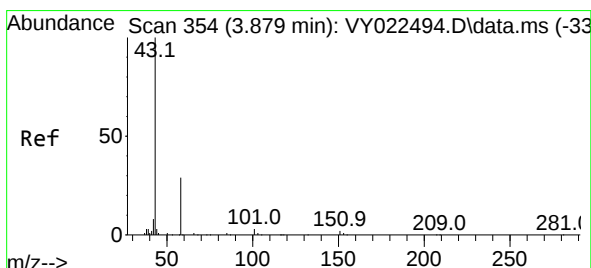
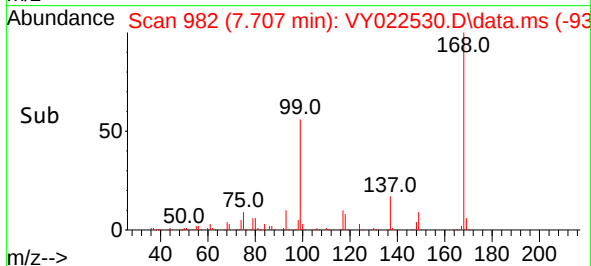
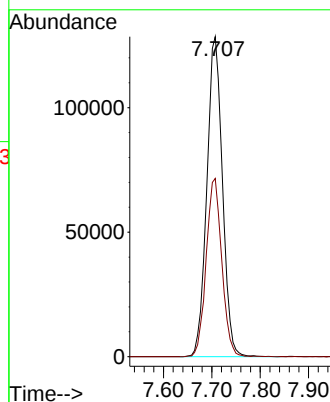
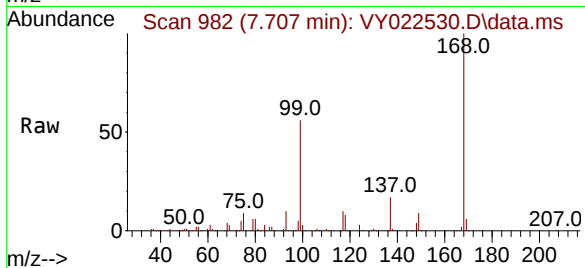




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022530.D
Acq: 03 Jun 2025 18:09

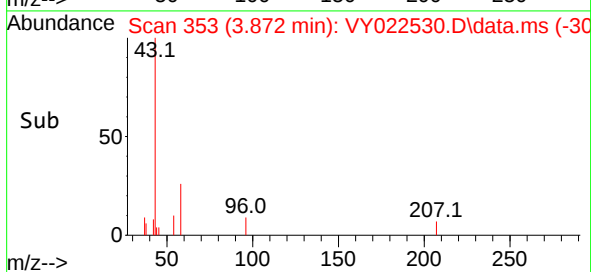
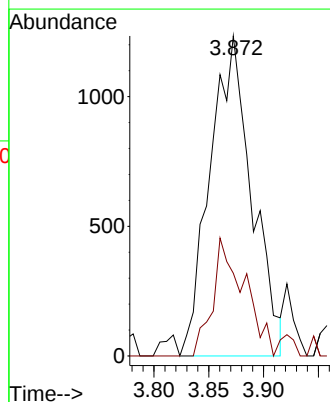
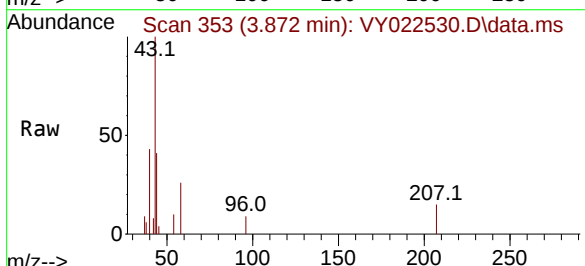
Instrument :
MSVOA_Y
ClientSampleId :
TP-28

Tgt Ion:168 Resp: 287774
Ion Ratio Lower Upper
168 100
99 55.7 44.3 66.5



#16
Acetone
Concen: 5.026 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022530.D
Acq: 03 Jun 2025 18:09

Tgt Ion: 43 Resp: 3285
Ion Ratio Lower Upper
43 100
58 25.9 24.0 36.0

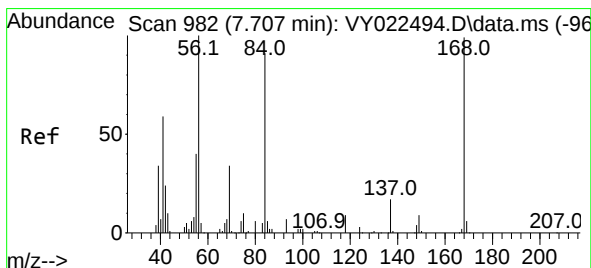
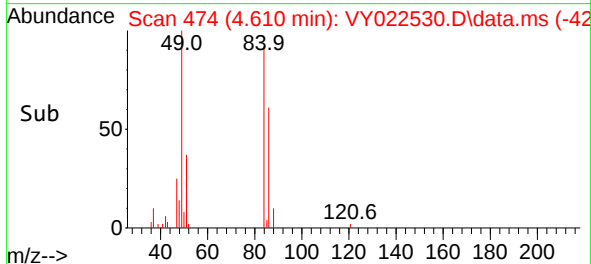
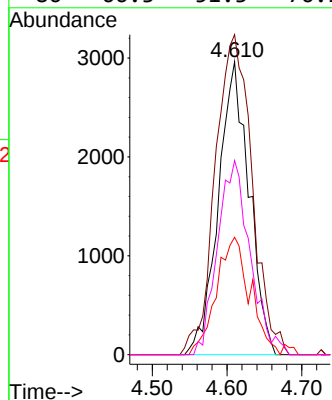
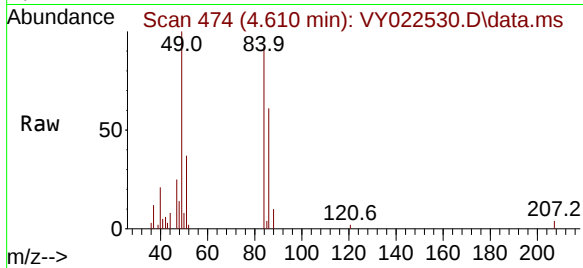




#20
Methylene Chloride
Concen: 2.282 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022530.D
Acq: 03 Jun 2025 18:09

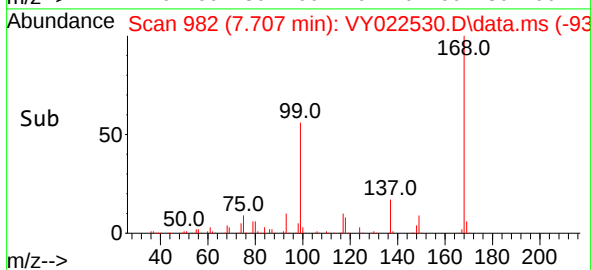
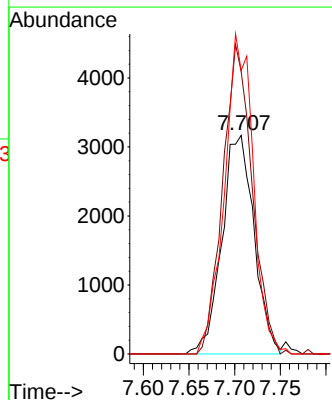
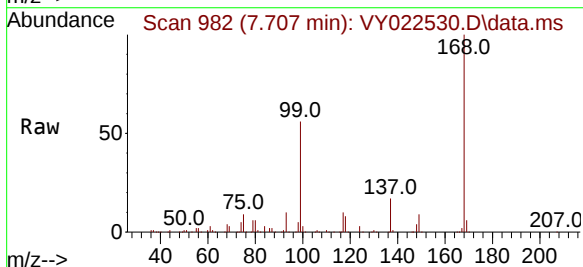
Instrument :
MSVOA_Y
ClientSampleId :
TP-28

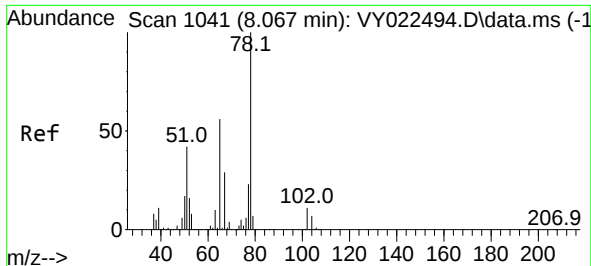
Tgt Ion:	84	Resp:	8473
Ion	Ratio	Lower	Upper
84	100		
49	109.2	101.9	152.9
51	40.1	29.8	44.8
86	66.3	51.3	76.9



#31
Cyclohexane
Concen: 1.252 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022530.D
Acq: 03 Jun 2025 18:09

Tgt Ion:	56	Resp:	7741
Ion	Ratio	Lower	Upper
56	100		
69	129.2	27.0	40.6#
84	129.7	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 45.747 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022530.D

Acq: 03 Jun 2025 18:09

Instrument :

MSVOA_Y

ClientSampleId :

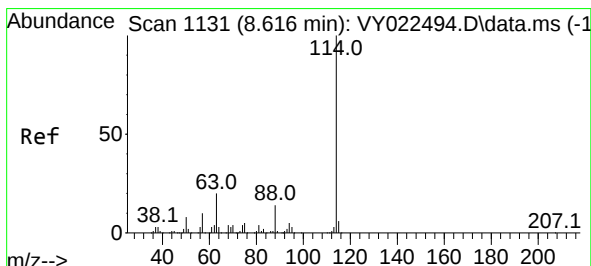
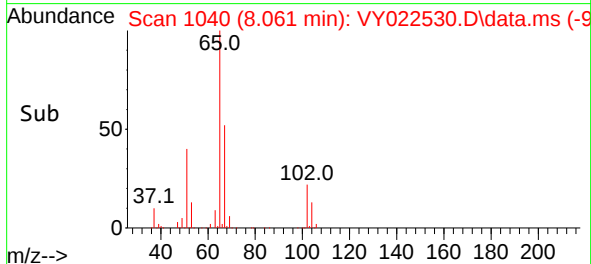
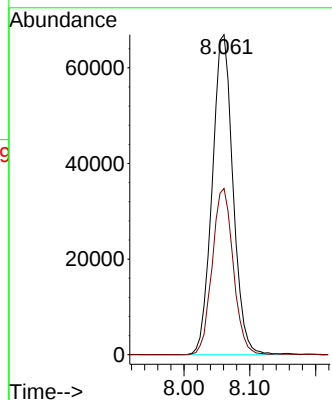
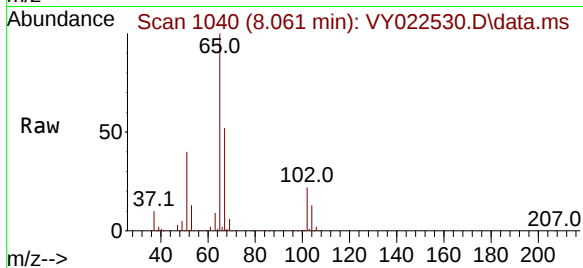
TP-28

Tgt Ion: 65 Resp: 147241

Ion Ratio Lower Upper

65 100

67 52.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022530.D

Acq: 03 Jun 2025 18:09

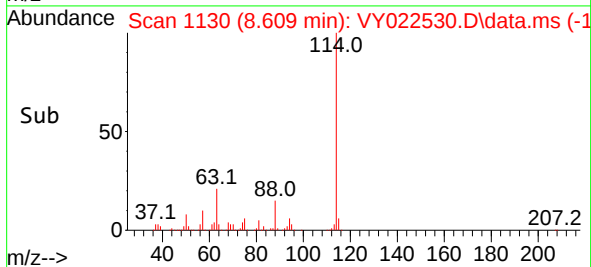
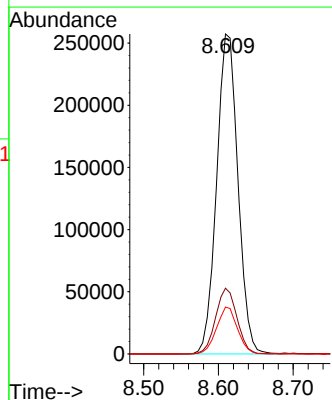
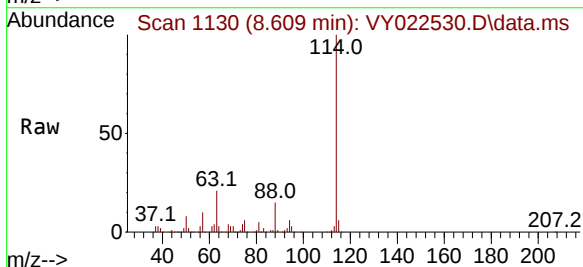
Tgt Ion: 114 Resp: 510573

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.8

88 14.6 0.0 27.8

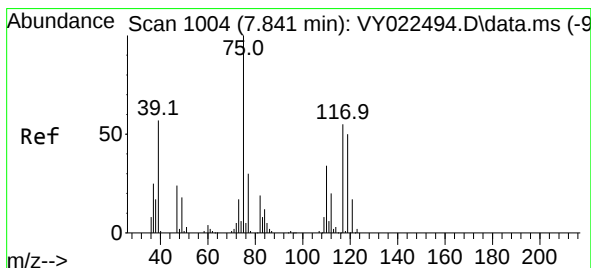
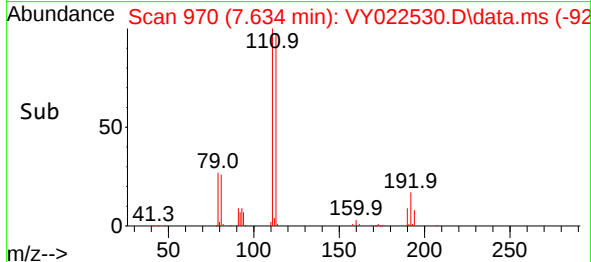
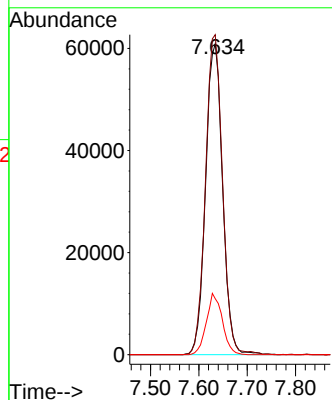
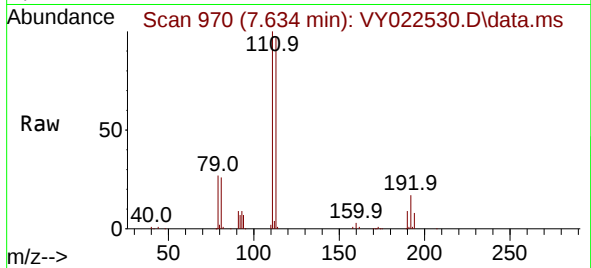




#35
Dibromofluoromethane
Concen: 48.765 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022530.D
Acq: 03 Jun 2025 18:09

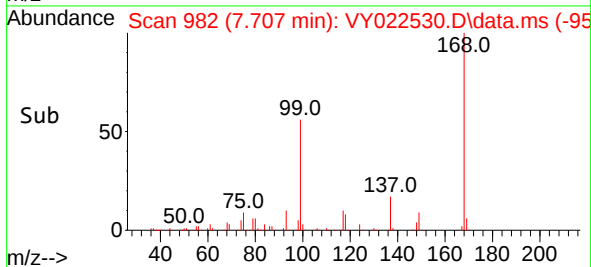
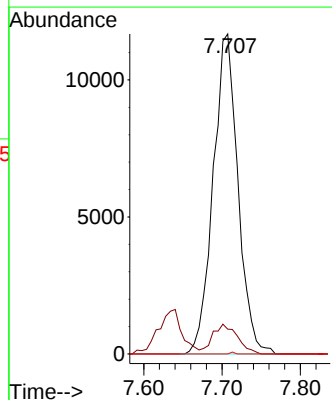
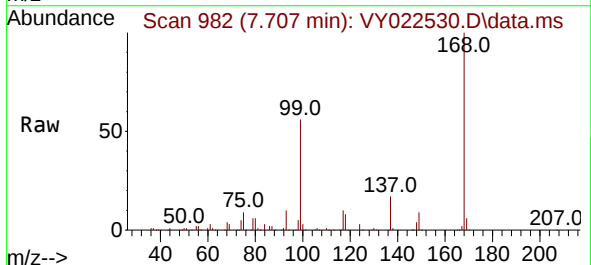
Instrument :
MSVOA_Y
ClientSampleId :
TP-28

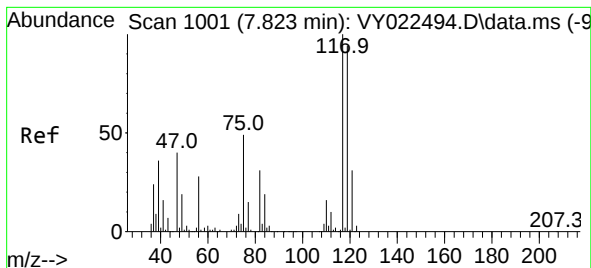
Tgt Ion:113 Resp: 148611
Ion Ratio Lower Upper
113 100
111 103.0 81.1 121.7
192 18.5 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.195 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022530.D
Acq: 03 Jun 2025 18:09

Tgt Ion: 75 Resp: 25697
Ion Ratio Lower Upper
75 100
110 9.3 16.9 50.7#
77 0.1 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.954 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY022530.D

Acq: 03 Jun 2025 18:09

Instrument :

MSVOA_Y

ClientSampleId :

TP-28

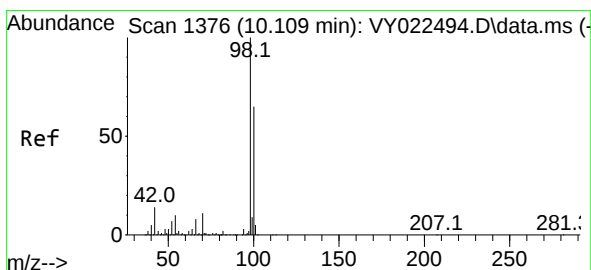
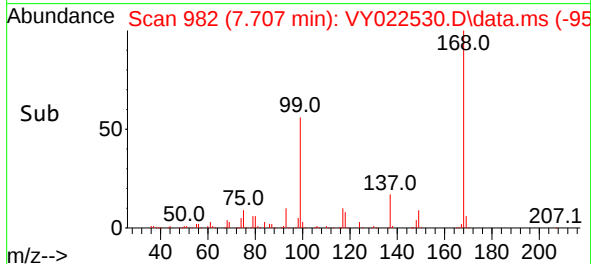
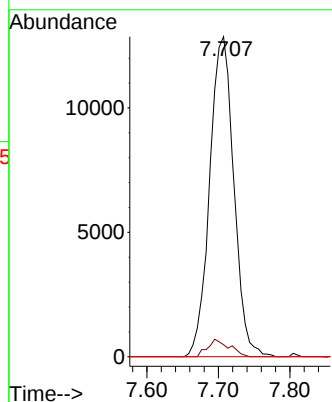
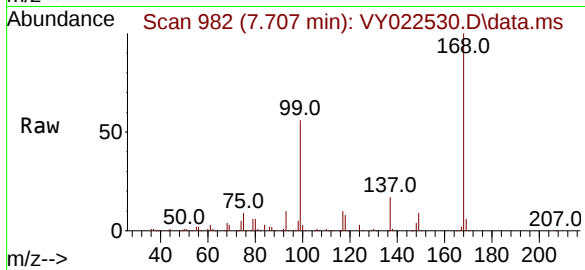
Tgt Ion:117 Resp: 30208

Ion Ratio Lower Upper

117 100

119 3.8 75.0 112.6#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 49.938 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022530.D

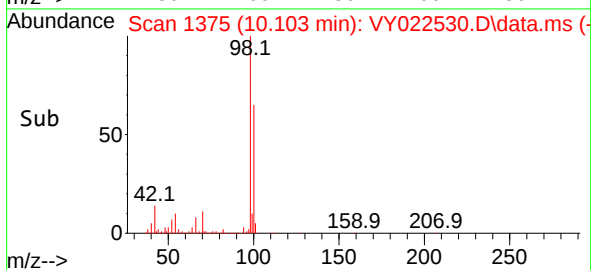
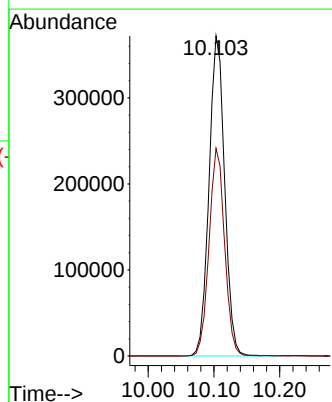
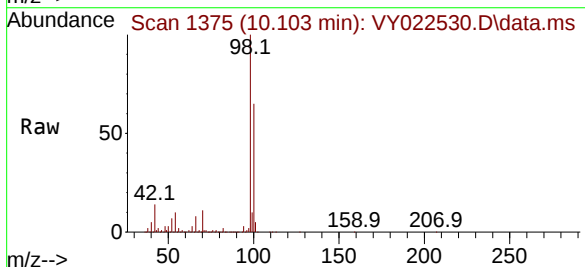
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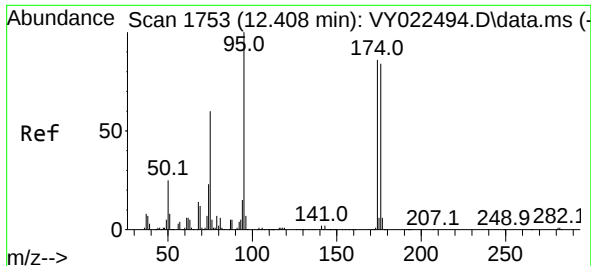
Tgt Ion: 98 Resp: 614930

Ion Ratio Lower Upper

98 100

100 64.5 51.4 77.0

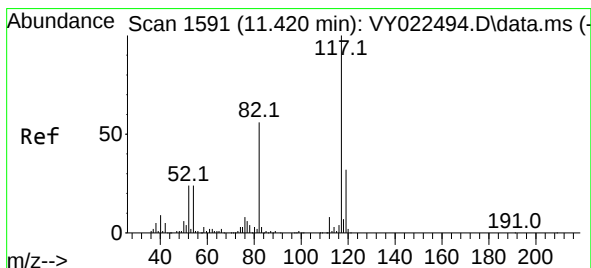
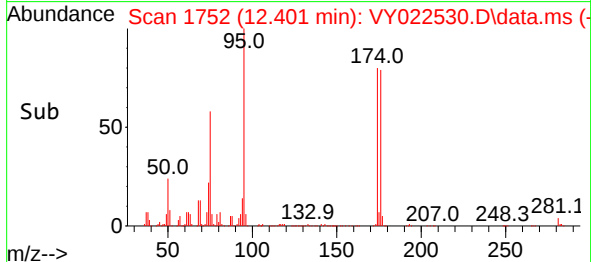
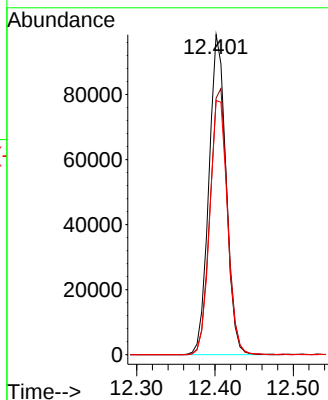
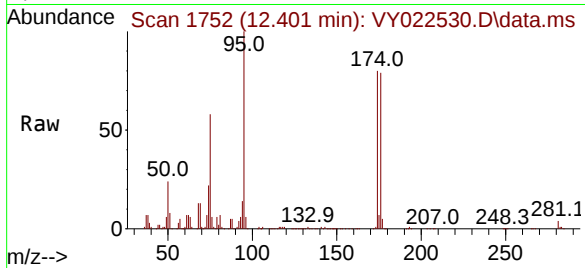




#62
4-Bromofluorobenzene
Concen: 40.770 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022530.D
Acq: 03 Jun 2025 18:09

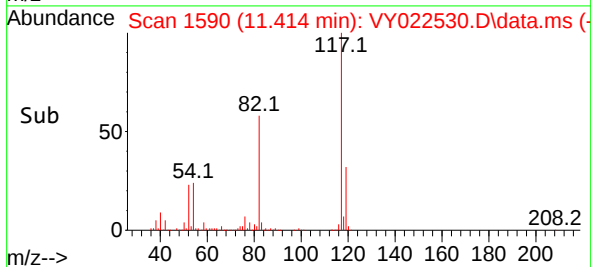
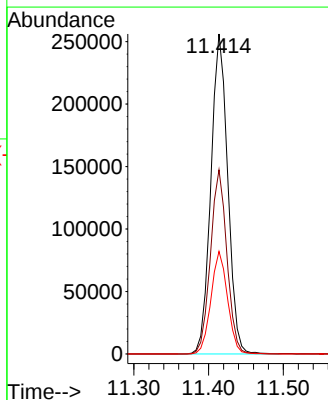
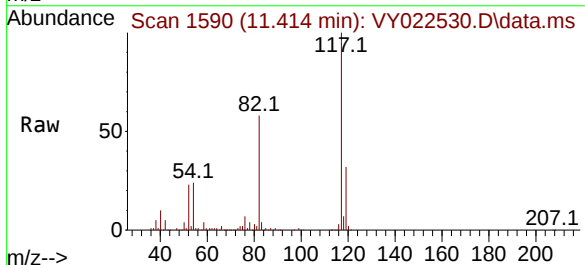
Instrument :
MSVOA_Y
ClientSampleId :
TP-28

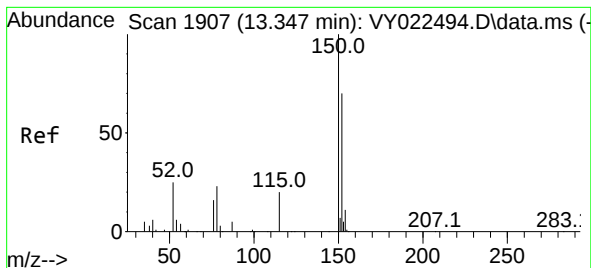
Tgt Ion: 95 Resp: 149582
Ion Ratio Lower Upper
95 100
174 85.1 0.0 170.0
176 82.0 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022530.D
Acq: 03 Jun 2025 18:09

Tgt Ion: 117 Resp: 400841
Ion Ratio Lower Upper
117 100
82 57.5 44.6 66.8
119 32.1 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: VY022530.D

Acq: 03 Jun 2025 18:09

Instrument :

MSVOA_Y

ClientSampleId :

TP-28

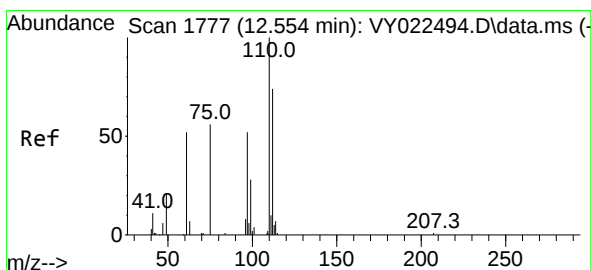
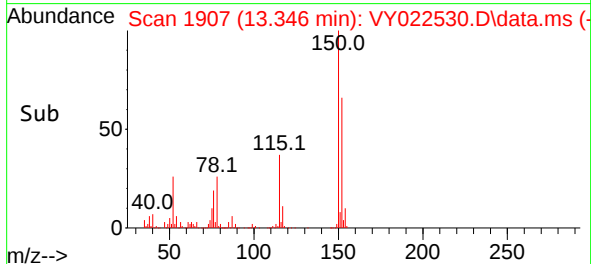
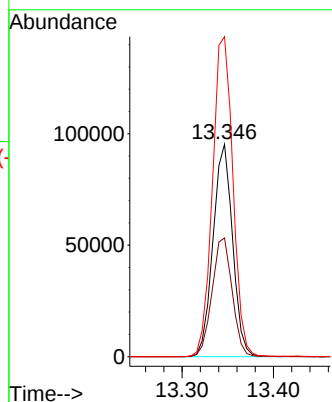
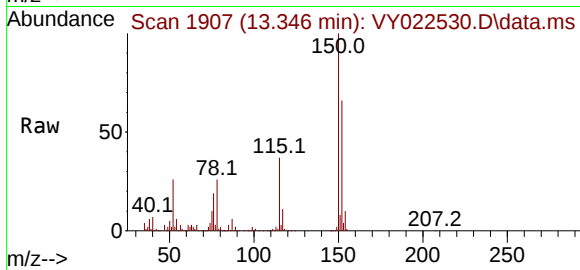
Tgt Ion:152 Resp: 141621

Ion Ratio Lower Upper

152 100

115 57.6 28.9 86.7

150 157.6 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 53.733 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022530.D

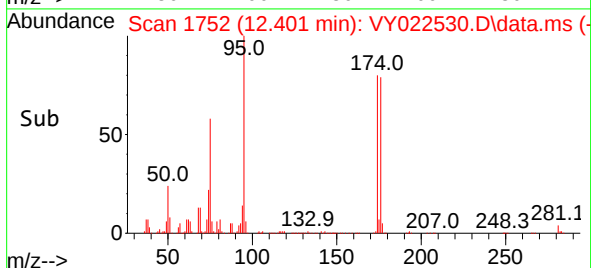
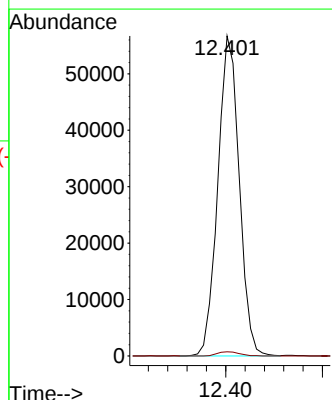
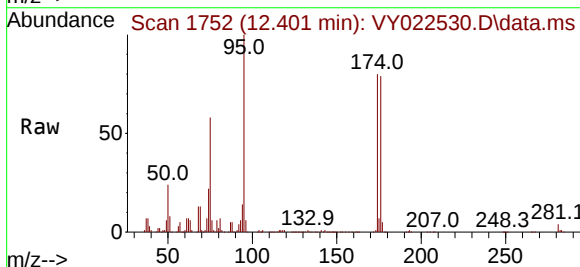
Acq: 03 Jun 2025 18:09

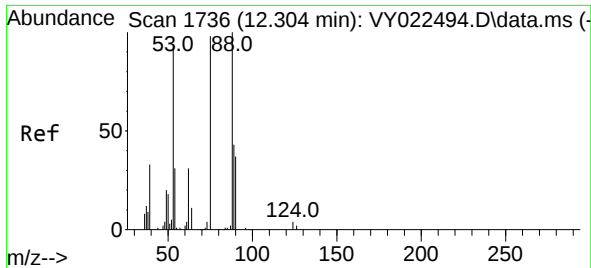
Tgt Ion: 75 Resp: 87058

Ion Ratio Lower Upper

75 100

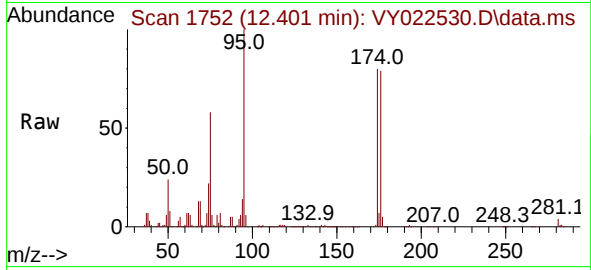
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.762 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022530.D
 Acq: 03 Jun 2025 18:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-28



Tgt Ion:	75	Resp:	87058
Ion	Ratio	Lower	Upper
75	100		
53	0.0	78.5	117.7#
89	0.1	35.7	53.5#

