

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022987.D
 Acq On : 08 Jul 2025 19:44
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.15g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jul 09 02:37:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

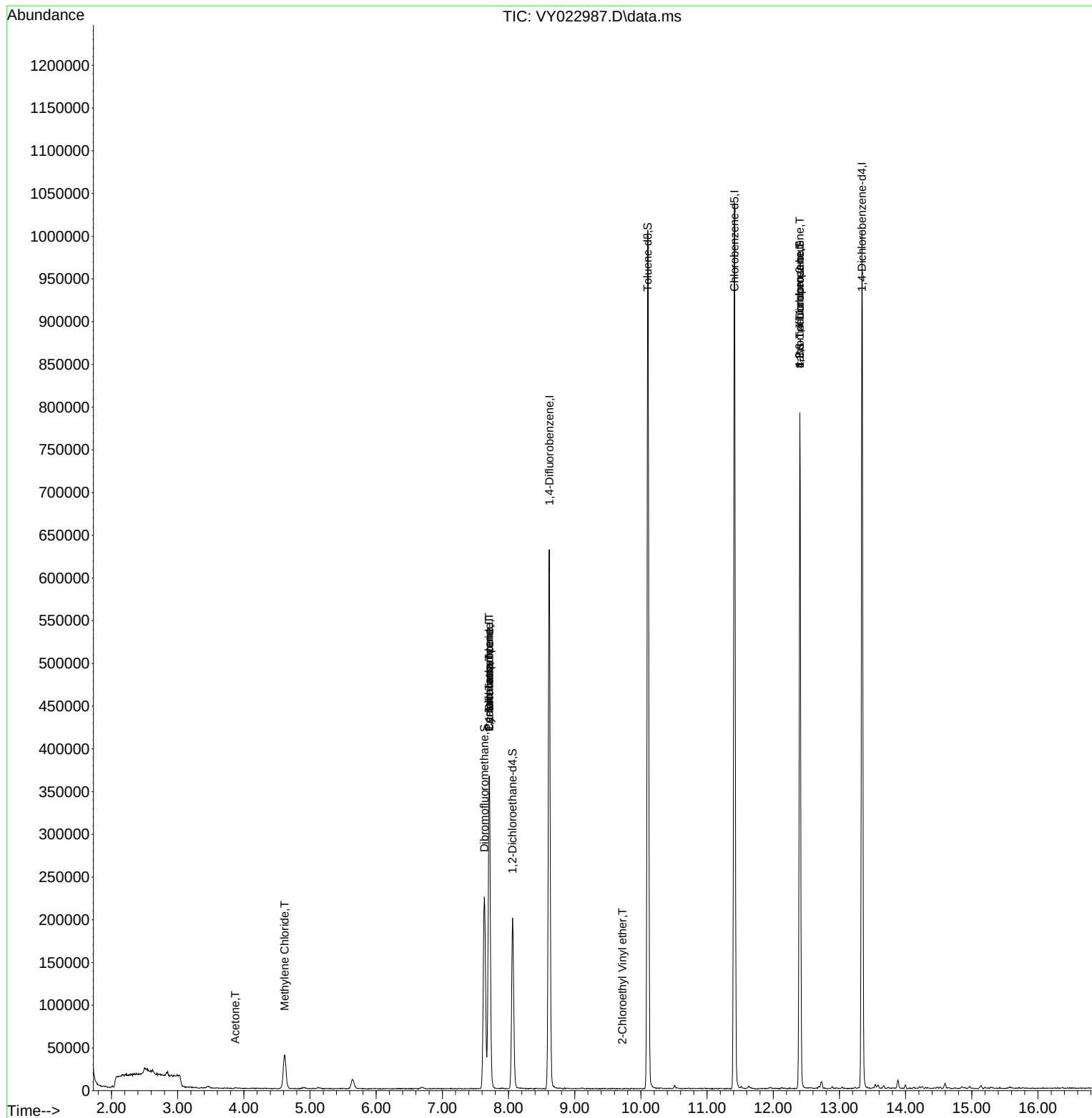
Internal Standards						
1) Pentafluorobenzene	7.707	168	274678	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	519032	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	523644	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	234980	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	155105	50.594	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.180%	
35) Dibromofluoromethane	7.634	113	160301	50.784	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.560%	
50) Toluene-d8	10.103	98	637341	50.884	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.760%	
62) 4-Bromofluorobenzene	12.402	95	225296	55.953	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.900%	
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	850	1.467	ug/l #	69
20) Methylene Chloride	4.616	84	28875	7.891	ug/l	96
31) Cyclohexane	7.707	56	6958	1.321	ug/l #	15
36) 1,1-Dichloropropene	7.707	75	23782	4.971	ug/l #	50
38) Carbon Tetrachloride	7.707	117	28814	5.708	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.719	63	19	15.665	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	127245	53.042	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	127245	134.005	ug/l #	11

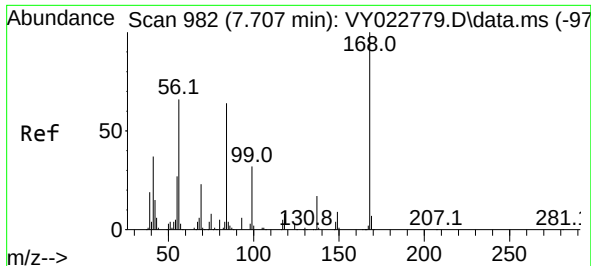
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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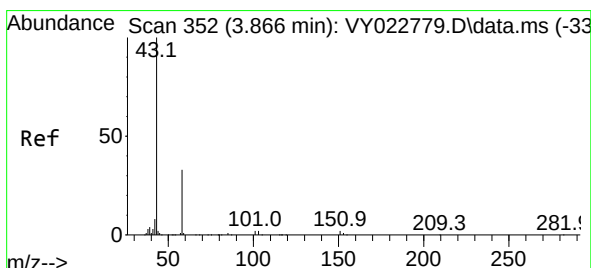
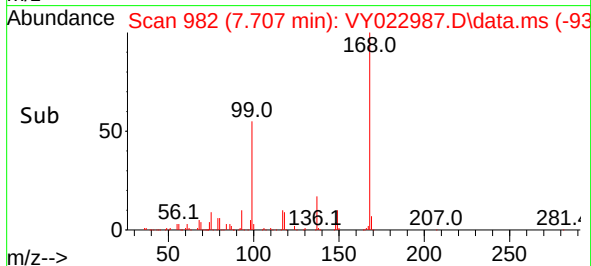
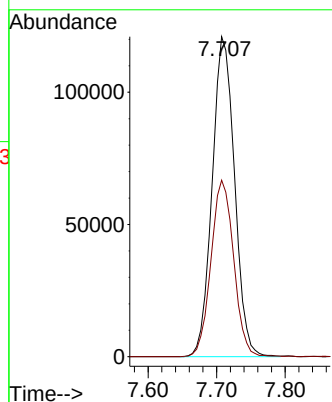
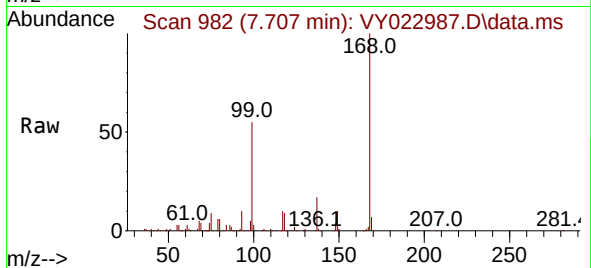




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022987.D
Acq: 08 Jul 2025 19:44

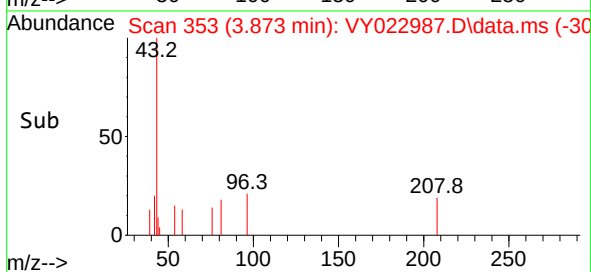
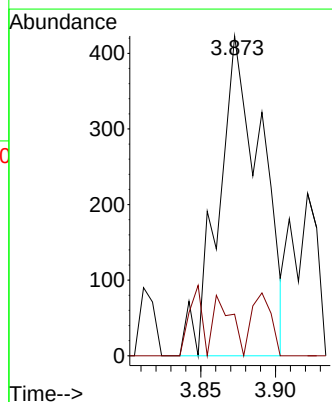
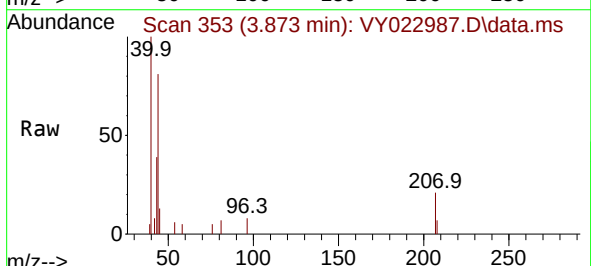
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

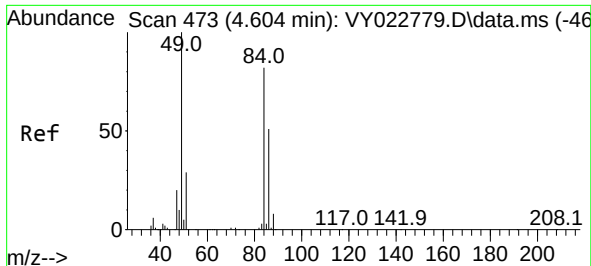
Tgt Ion:168 Resp: 274678
Ion Ratio Lower Upper
168 100
99 55.2 44.3 66.5



#16
Acetone
Concen: 1.467 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022987.D
Acq: 08 Jul 2025 19:44

Tgt Ion: 43 Resp: 850
Ion Ratio Lower Upper
43 100
58 13.0 24.0 36.0#

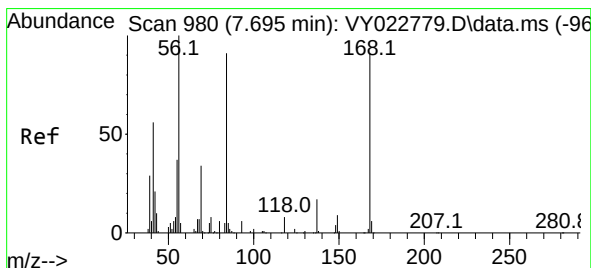
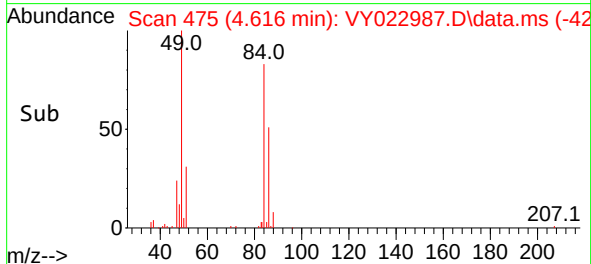
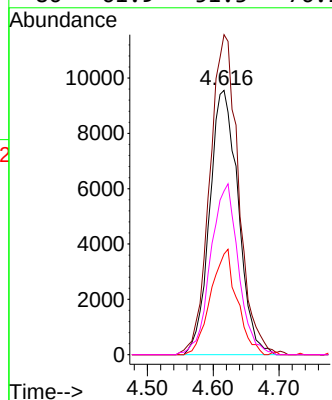
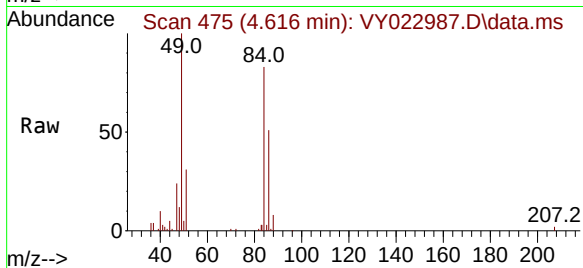




#20
Methylene Chloride
Concen: 7.891 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022987.D
Acq: 08 Jul 2025 19:44

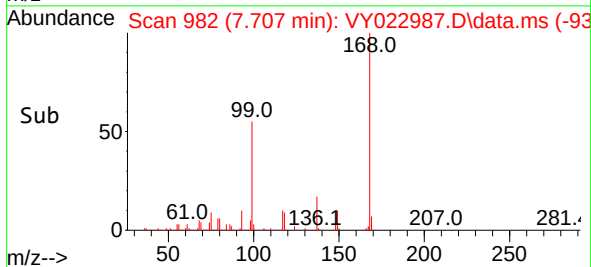
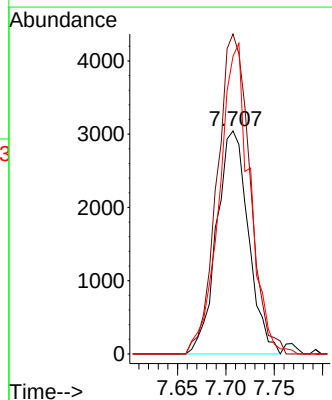
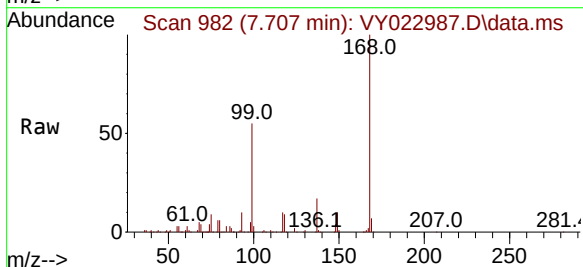
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

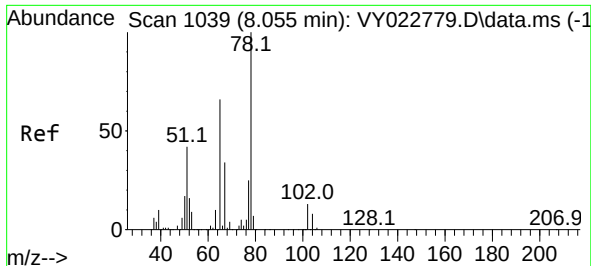
Tgt Ion:	84	Resp:	28875
Ion	Ratio	Lower	Upper
84	100		
49	120.2	101.9	152.9
51	38.1	29.8	44.8
86	61.9	51.3	76.9



#31
Cyclohexane
Concen: 1.321 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022987.D
Acq: 08 Jul 2025 19:44

Tgt Ion:	56	Resp:	6958
Ion	Ratio	Lower	Upper
56	100		
69	143.4	27.0	40.6#
84	133.4	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 50.594 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022987.D

Acq: 08 Jul 2025 19:44

Instrument :

MSVOA_Y

ClientSampleId :

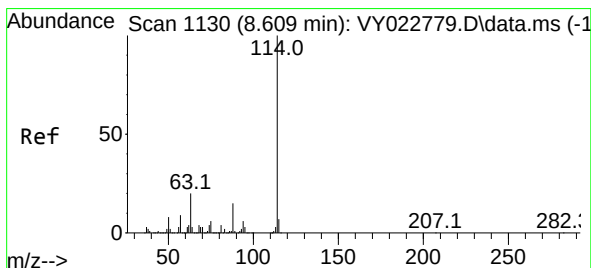
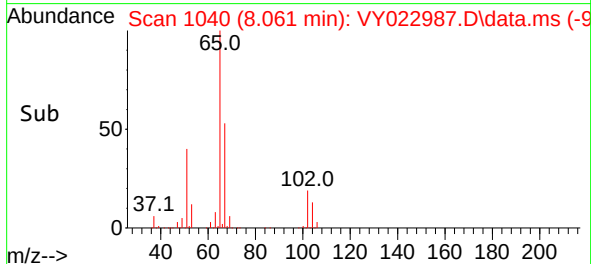
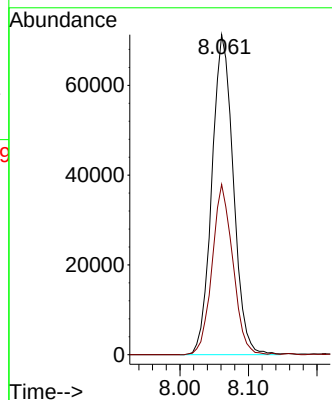
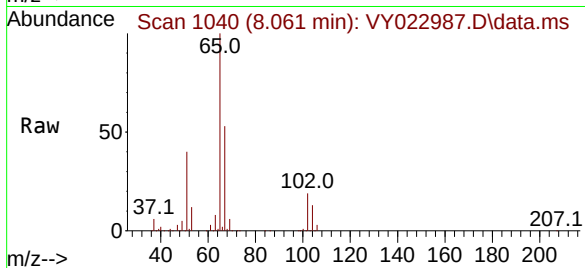
VIBLK

Tgt Ion: 65 Resp: 155105

Ion Ratio Lower Upper

65 100

67 51.3 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022987.D

Acq: 08 Jul 2025 19:44

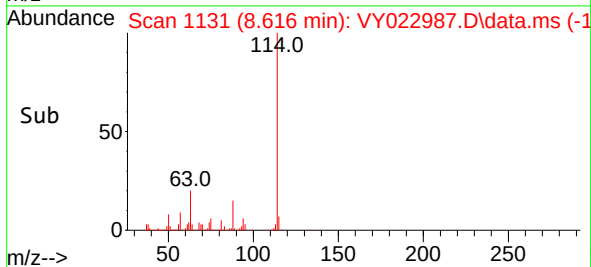
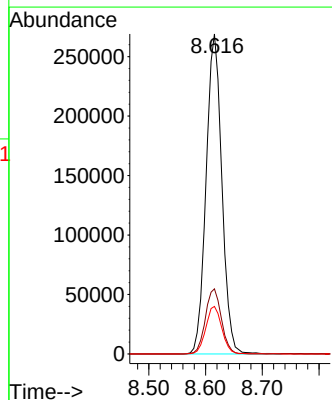
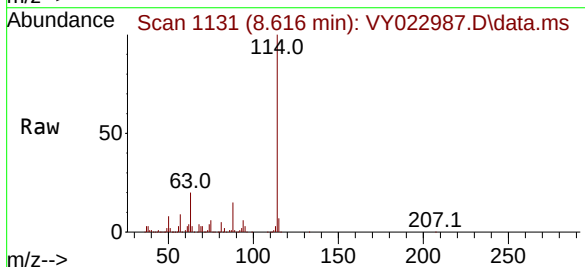
Tgt Ion: 114 Resp: 519032

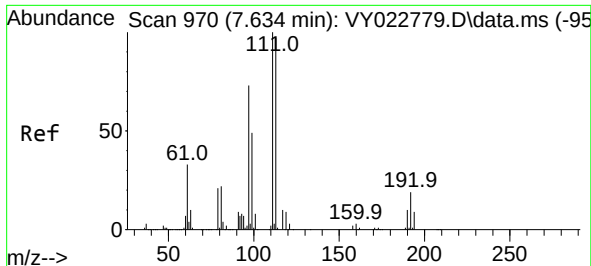
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 14.8 0.0 27.8

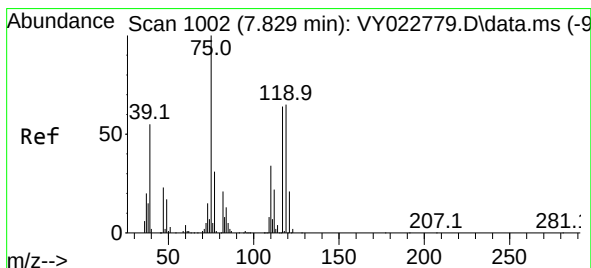
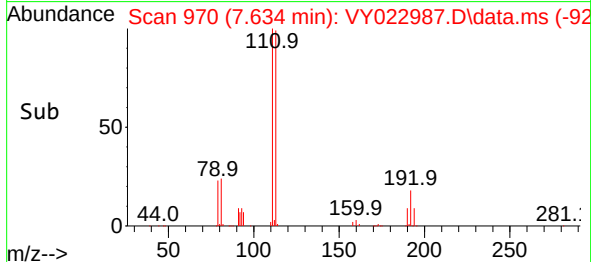
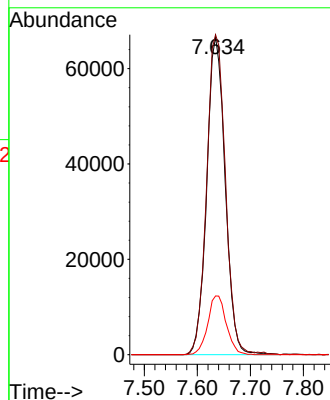
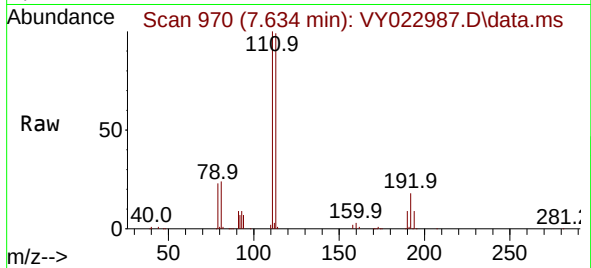




#35
Dibromofluoromethane
Concen: 50.784 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022987.D
Acq: 08 Jul 2025 19:44

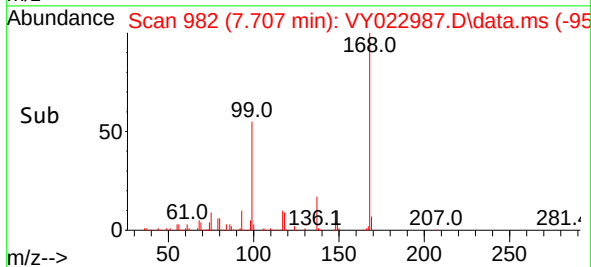
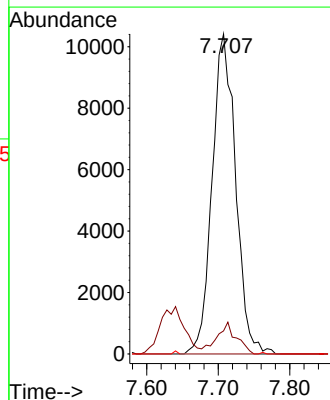
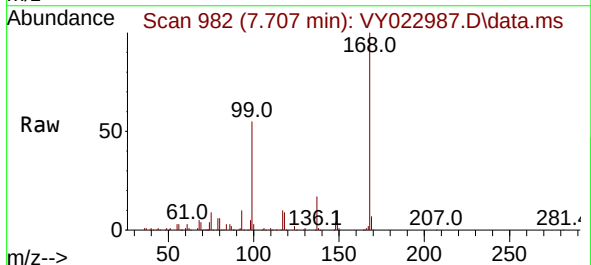
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

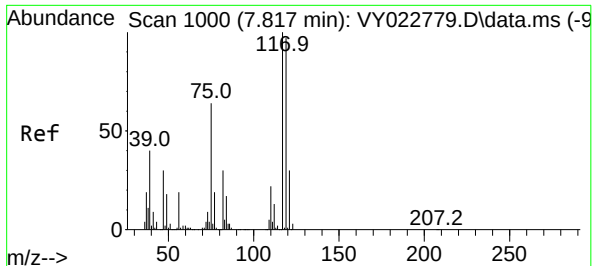
Tgt Ion:113 Resp: 160301
Ion Ratio Lower Upper
113 100
111 102.7 81.1 121.7
192 18.7 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.971 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022987.D
Acq: 08 Jul 2025 19:44

Tgt Ion: 75 Resp: 23782
Ion Ratio Lower Upper
75 100
110 8.2 16.9 50.7#
77 0.0 24.8 37.2#

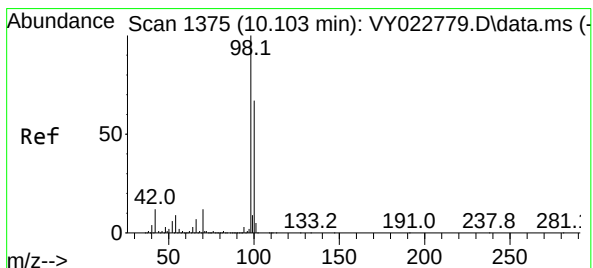
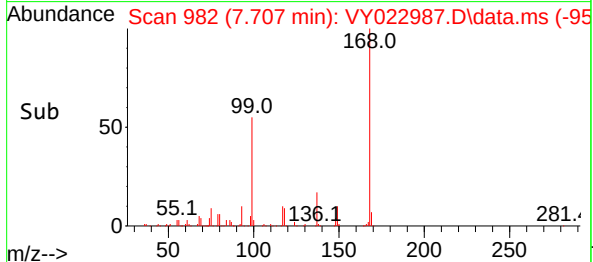
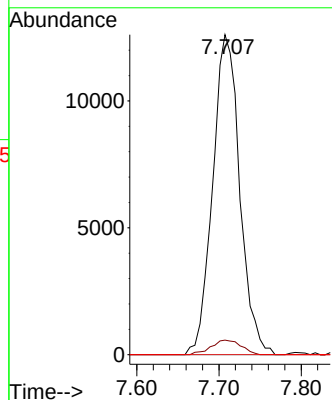
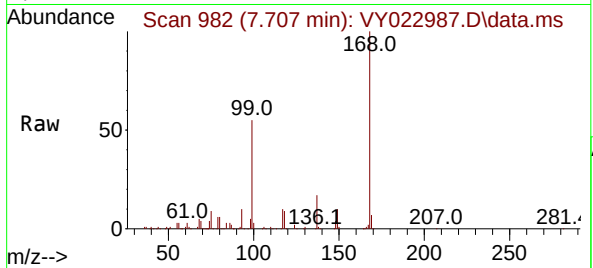




#38
Carbon Tetrachloride
Concen: 5.708 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022987.D
Acq: 08 Jul 2025 19:44

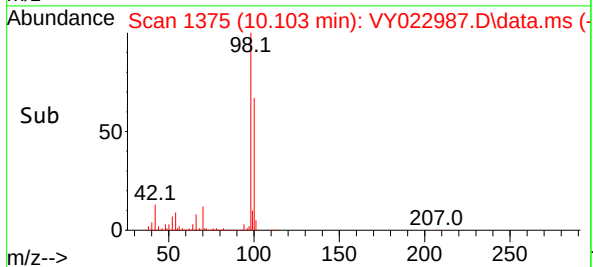
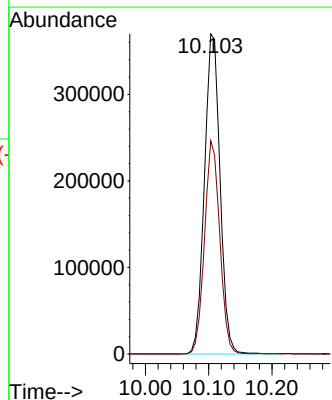
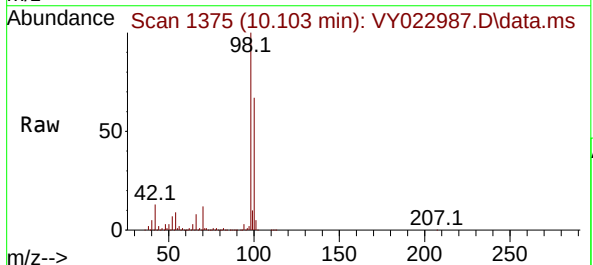
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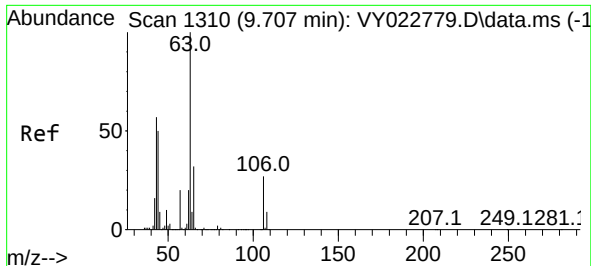
Tgt Ion:117 Resp: 28814
Ion Ratio Lower Upper
117 100
119 4.6 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.884 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022987.D
Acq: 08 Jul 2025 19:44

Tgt Ion: 98 Resp: 637341
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0

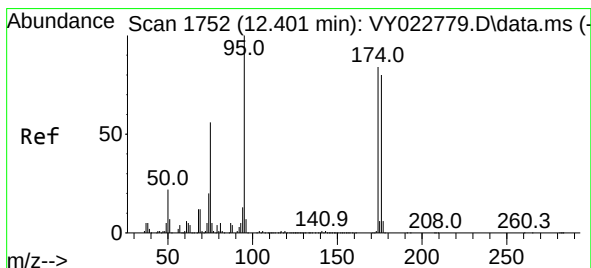
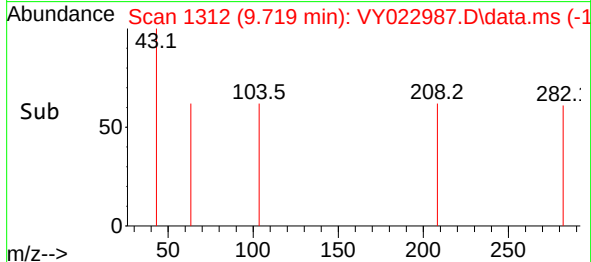
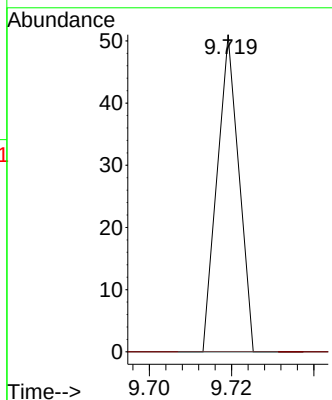
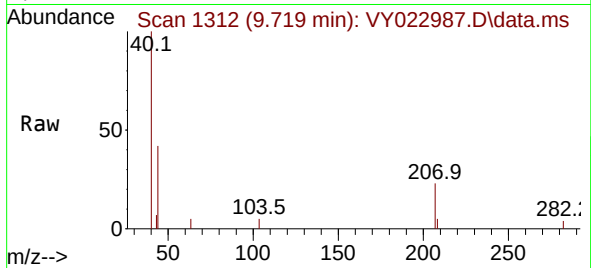




#58
2-Chloroethyl Vinyl ether
Concen: 15.665 ug/l
RT: 9.719 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022987.D
Acq: 08 Jul 2025 19:44

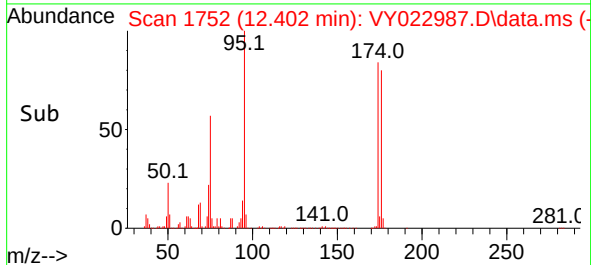
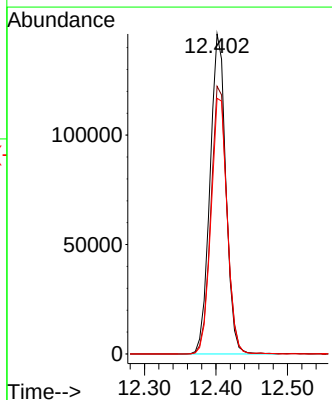
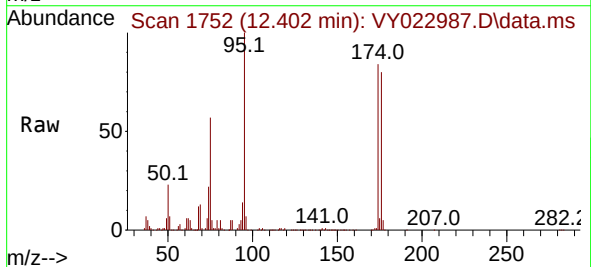
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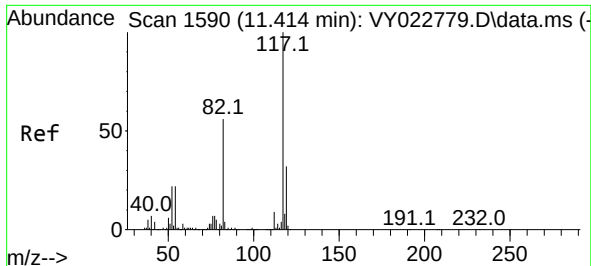
Tgt Ion: 63 Resp: 19
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 55.953 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022987.D
Acq: 08 Jul 2025 19:44

Tgt Ion: 95 Resp: 225296
Ion Ratio Lower Upper
95 100
174 85.0 0.0 170.0
176 81.3 0.0 166.2

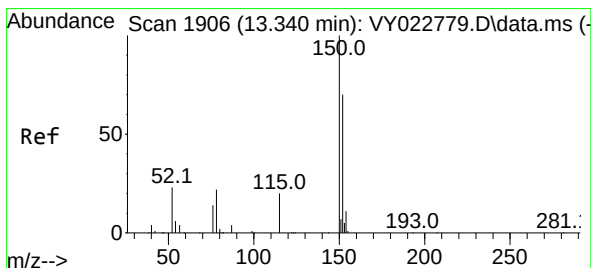
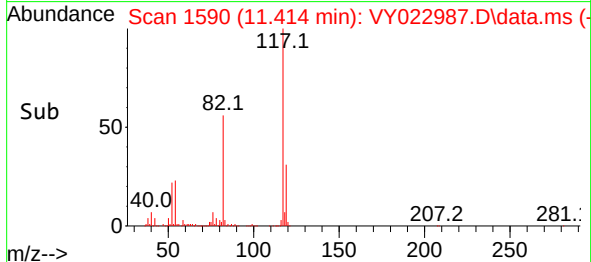
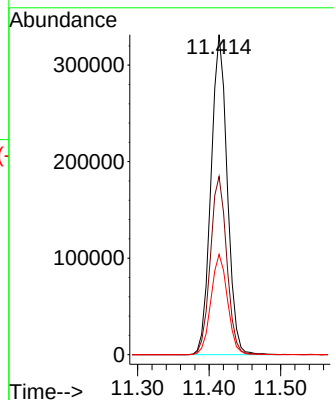
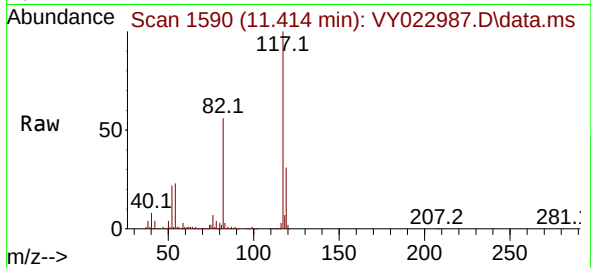




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022987.D
Acq: 08 Jul 2025 19:44

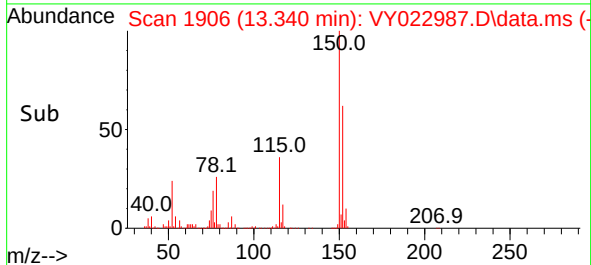
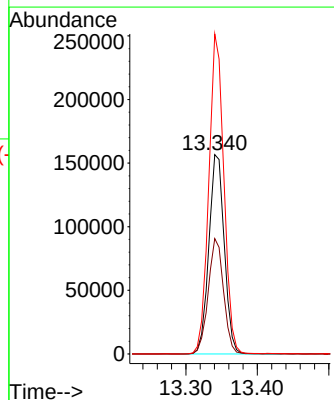
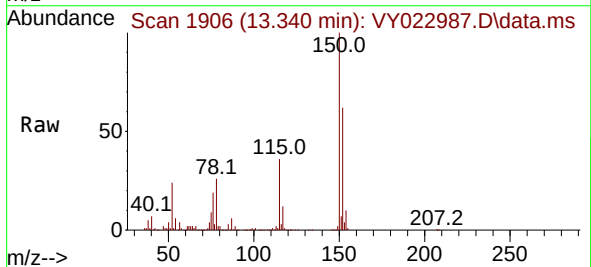
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

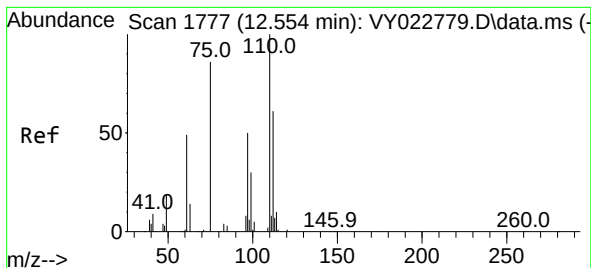
Tgt Ion:117 Resp: 523644
Ion Ratio Lower Upper
117 100
82 55.7 44.6 66.8
119 31.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022987.D
Acq: 08 Jul 2025 19:44

Tgt Ion:152 Resp: 234980
Ion Ratio Lower Upper
152 100
115 57.5 28.9 86.7
150 156.5 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 53.042 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022987.D

Acq: 08 Jul 2025 19:44

Instrument :

MSVOA_Y

ClientSampleId :

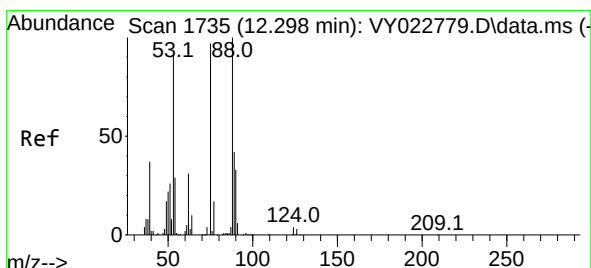
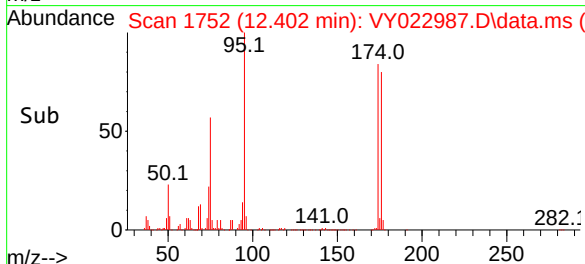
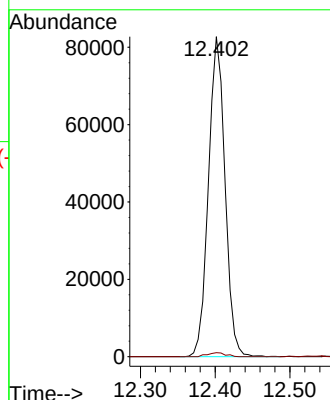
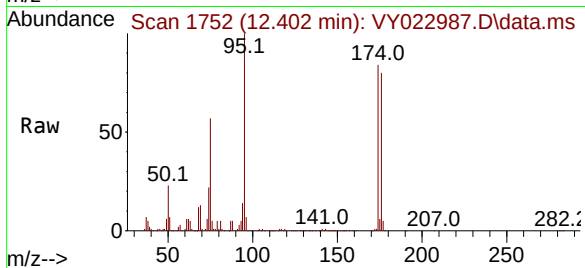
VIBLK

Tgt Ion: 75 Resp: 127245

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 134.005 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.098 min

Lab File: VY022987.D

Acq: 08 Jul 2025 19:44

Tgt Ion: 75 Resp: 127245

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

89 0.0 35.7 53.5#

