

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022907.D
 Acq On : 02 Jul 2025 13:12
 Operator : SY/MD
 Sample : Q2469-03
 Misc : 3.20g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1-VOC

Quant Time: Jul 03 02:20:56 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)

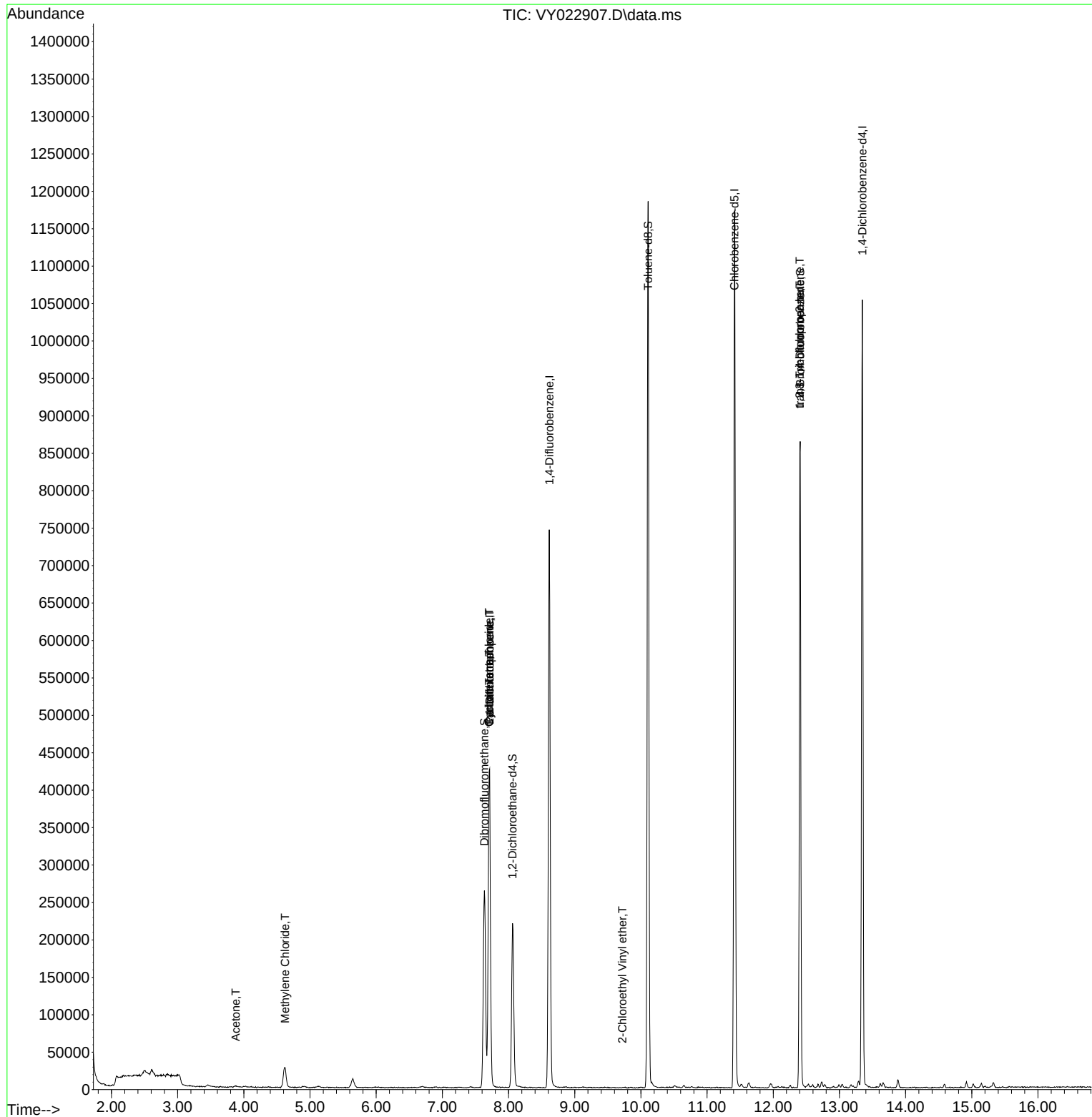
Internal Standards						
1) Pentafluorobenzene	7.713	168	324359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	618159	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	601268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	253979	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	174189	48.116	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.240%
35) Dibromofluoromethane	7.634	113	190158	50.583	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.160%
50) Toluene-d8	10.109	98	758539	50.849	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.700%
62) 4-Bromofluorobenzene	12.408	95	259125	54.035	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	108.060%
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	3067	4.482	ug/l	97
20) Methylene Chloride	4.622	84	18863	4.365	ug/l	95
31) Cyclohexane	7.707	56	8149	1.311	ug/l #	2
36) 1,1-Dichloropropene	7.713	75	28515	5.004	ug/l #	49
38) Carbon Tetrachloride	7.707	117	33394	5.554	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.719	63	59	15.681	ug/l #	11
76) 1,2,3-Trichloropropane	12.401	75	145899	56.268	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	145899	142.156	ug/l #	10

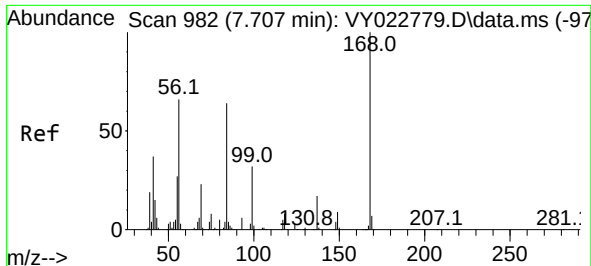
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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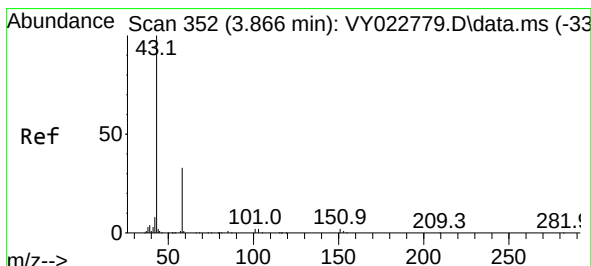
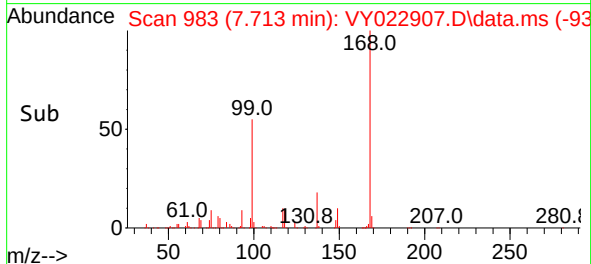
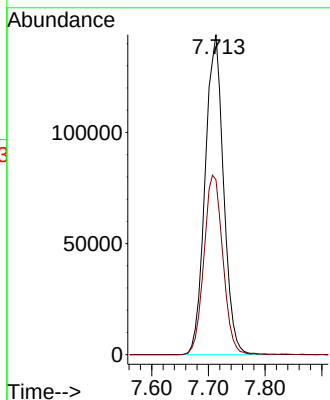
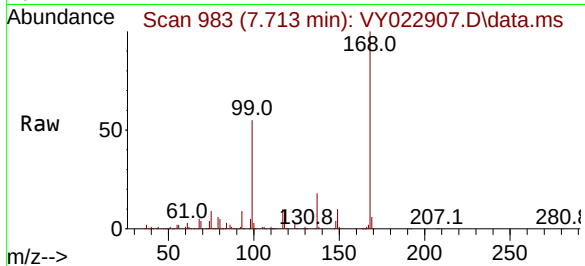




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022907.D
Acq: 02 Jul 2025 13:12

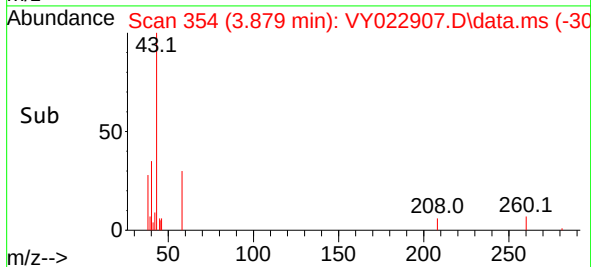
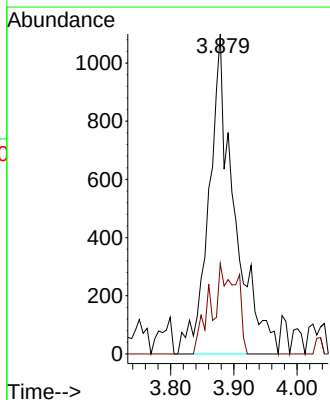
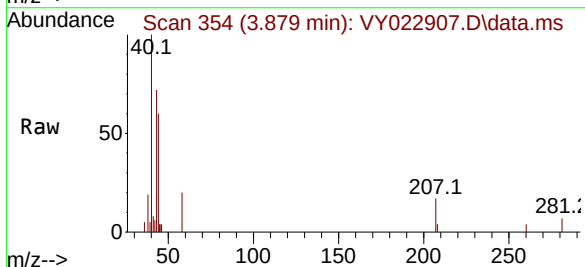
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

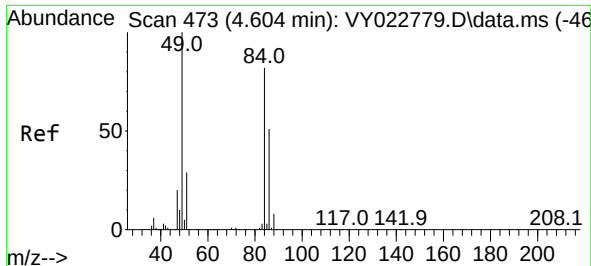
Tgt Ion:168 Resp: 324359
Ion Ratio Lower Upper
168 100
99 54.6 44.3 66.5



#16
Acetone
Concen: 4.482 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022907.D
Acq: 02 Jul 2025 13:12

Tgt Ion: 43 Resp: 3067
Ion Ratio Lower Upper
43 100
58 28.3 24.0 36.0



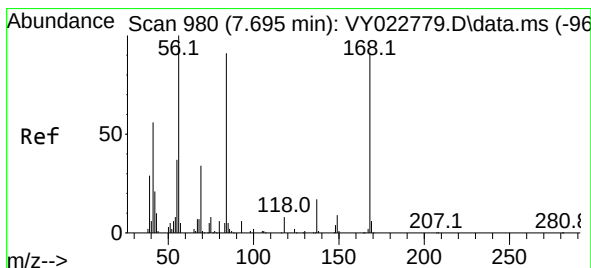
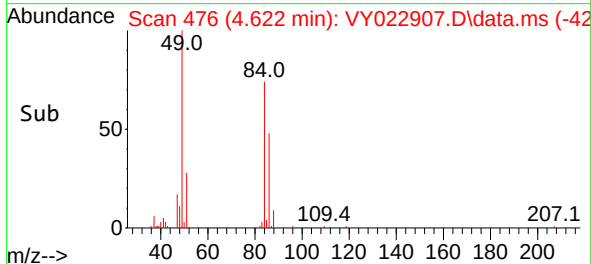
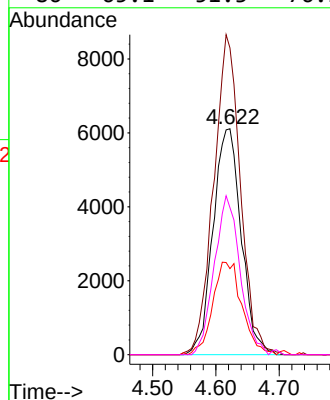
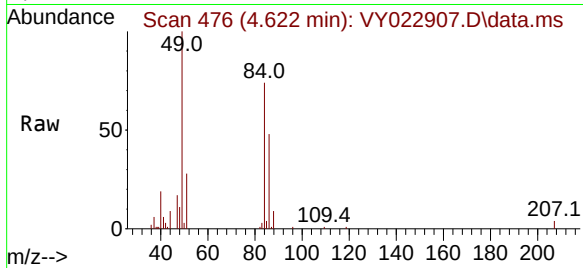


#20
Methylene Chloride
Concen: 4.365 ug/l
RT: 4.622 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY022907.D
Acq: 02 Jul 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

Tgt Ion: 84 Resp: 18863

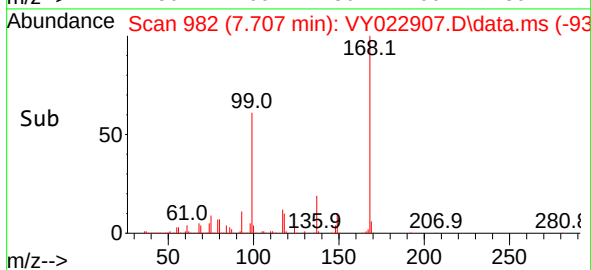
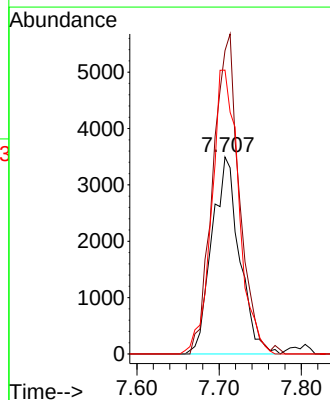
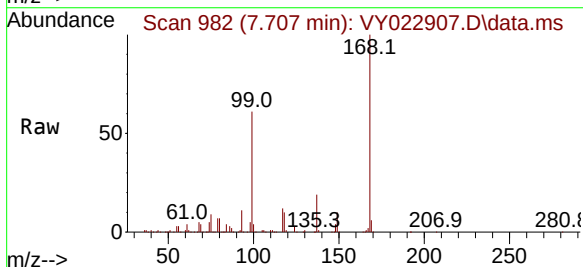
Ion	Ratio	Lower	Upper
84	100		
49	135.8	101.9	152.9
51	38.1	29.8	44.8
86	65.1	51.3	76.9

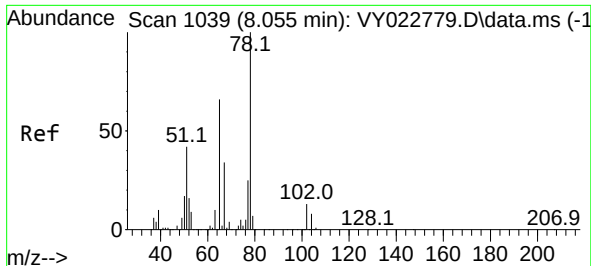


#31
Cyclohexane
Concen: 1.311 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022907.D
Acq: 02 Jul 2025 13:12

Tgt Ion: 56 Resp: 8149

Ion	Ratio	Lower	Upper
56	100		
69	154.1	27.0	40.6#
84	144.1	72.6	109.0#

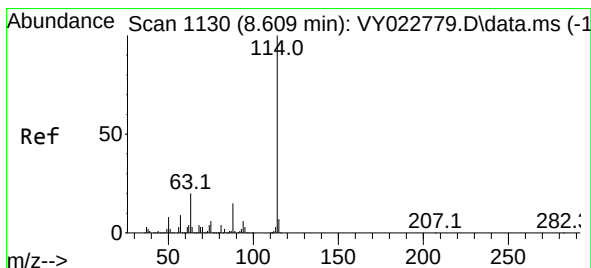
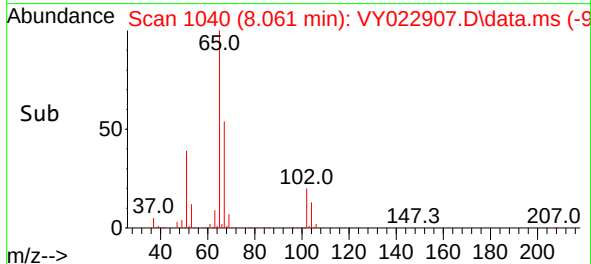
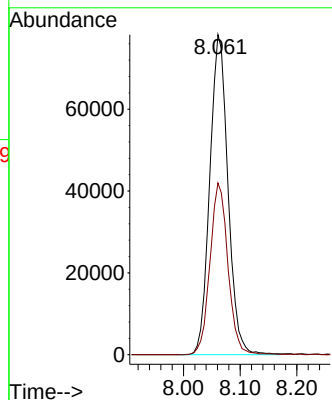
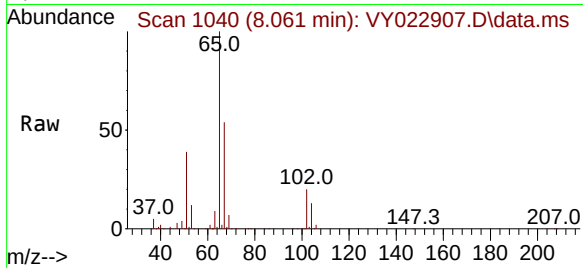




#33
 1,2-Dichloroethane-d4
 Concen: 48.116 ug/l
 RT: 8.061 min Scan# 1039
 Delta R.T. -0.006 min
 Lab File: VY022907.D
 Acq: 02 Jul 2025 13:12

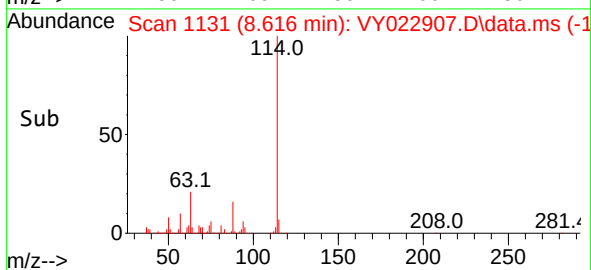
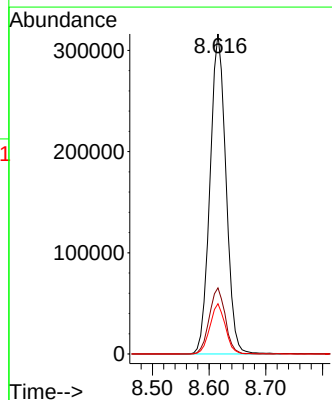
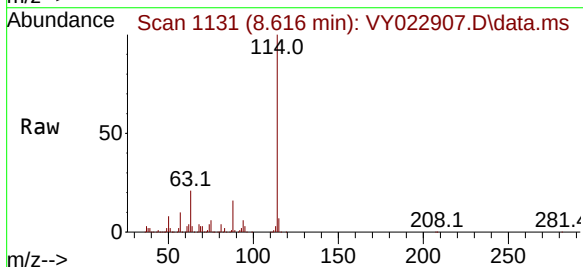
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1-VOC

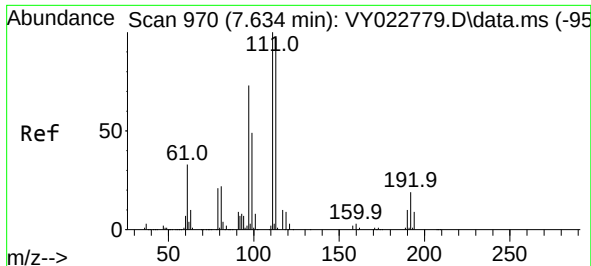
Tgt Ion: 65 Resp: 174189
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. -0.000 min
 Lab File: VY022907.D
 Acq: 02 Jul 2025 13:12

Tgt Ion: 114 Resp: 618159
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.8
 88 15.7 0.0 27.8

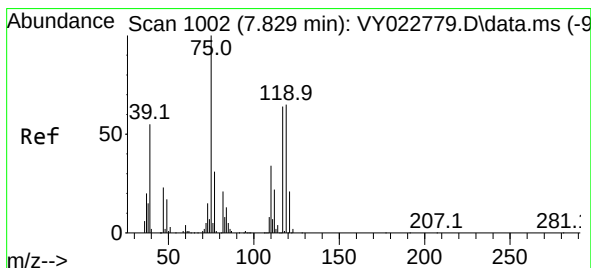
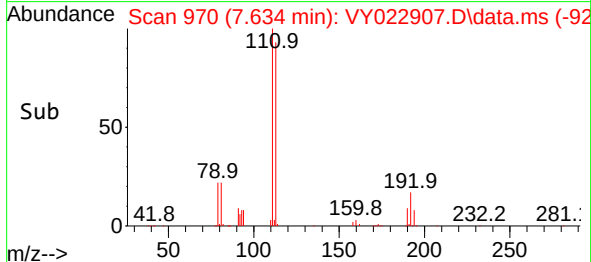
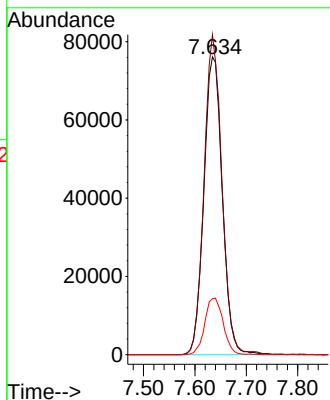
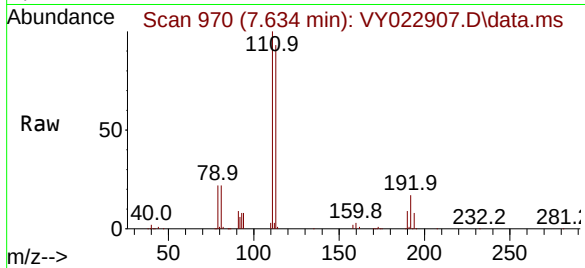




#35
Dibromofluoromethane
Concen: 50.583 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022907.D
Acq: 02 Jul 2025 13:12

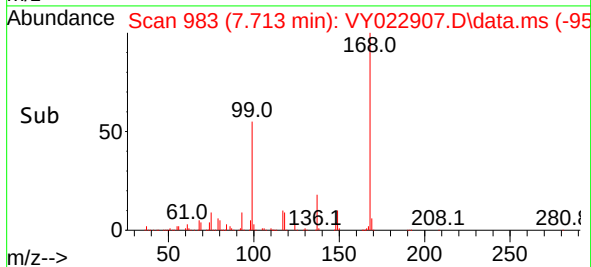
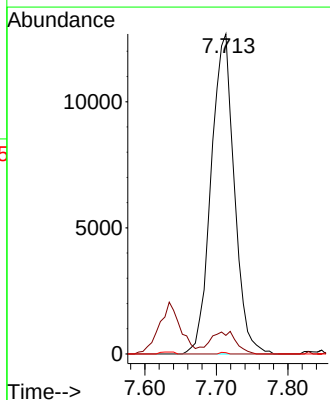
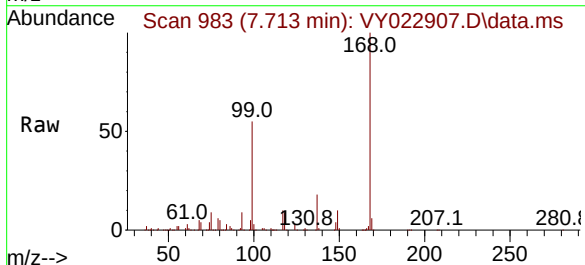
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

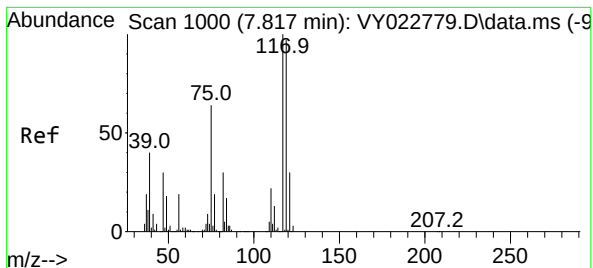
Tgt Ion:113 Resp: 190158
Ion Ratio Lower Upper
113 100
111 102.7 81.1 121.7
192 19.0 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.004 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY022907.D
Acq: 02 Jul 2025 13:12

Tgt Ion: 75 Resp: 28515
Ion Ratio Lower Upper
75 100
110 7.3 16.9 50.7#
77 0.1 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.554 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY022907.D

Acq: 02 Jul 2025 13:12

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-VOC

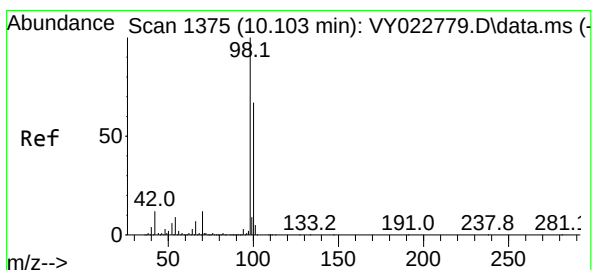
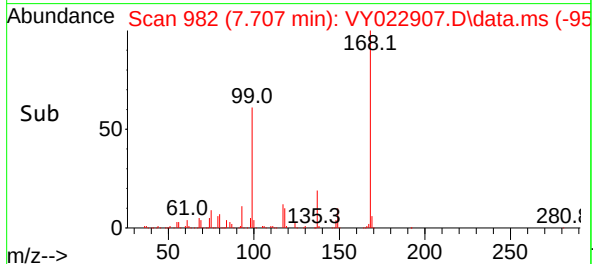
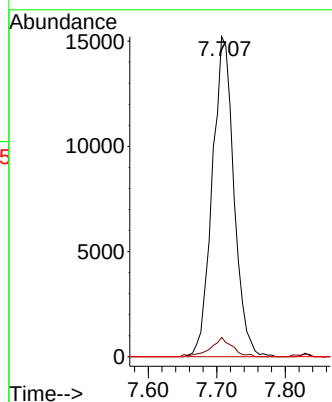
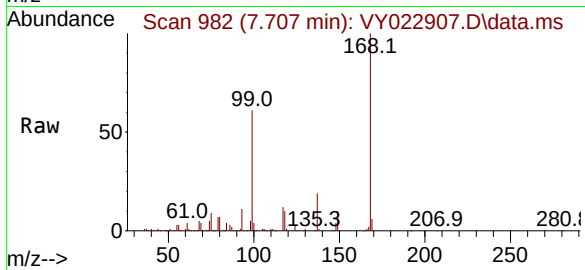
Tgt Ion:117 Resp: 33394

Ion Ratio Lower Upper

117 100

119 6.0 75.0 112.6#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 50.849 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022907.D

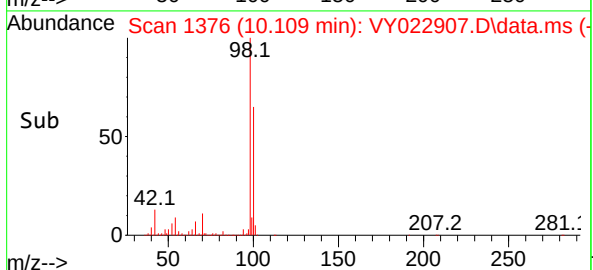
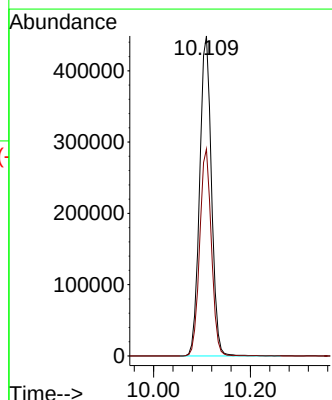
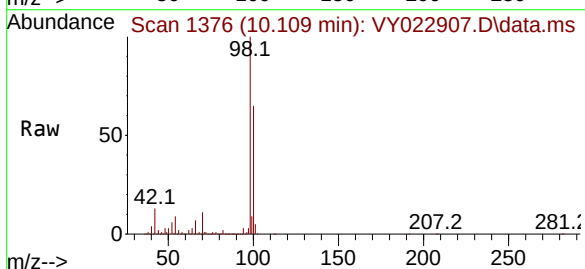
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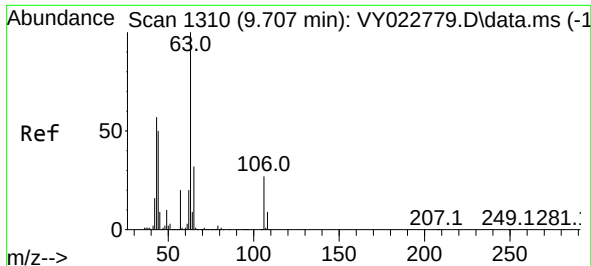
Tgt Ion: 98 Resp: 758539

Ion Ratio Lower Upper

98 100

100 64.1 51.4 77.0

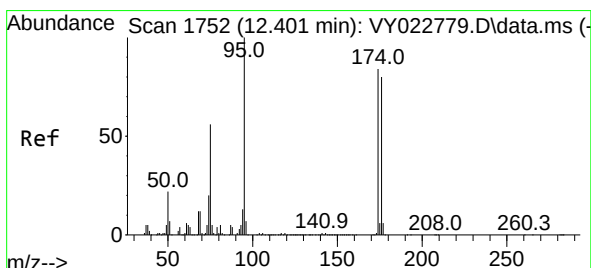
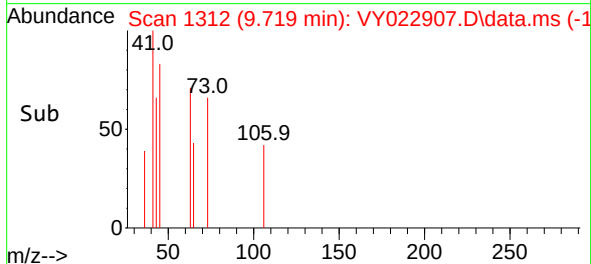
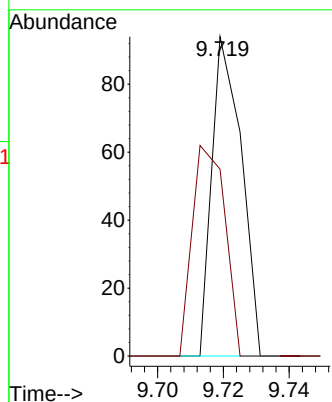
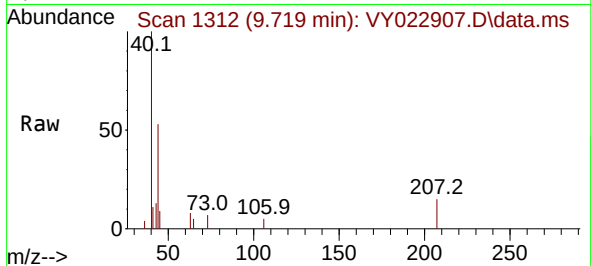




#58
2-Chloroethyl Vinyl ether
Concen: 15.681 ug/l
RT: 9.719 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022907.D
Acq: 02 Jul 2025 13:12

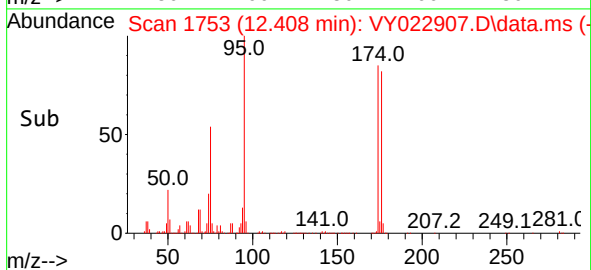
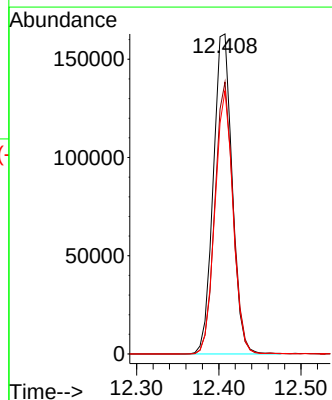
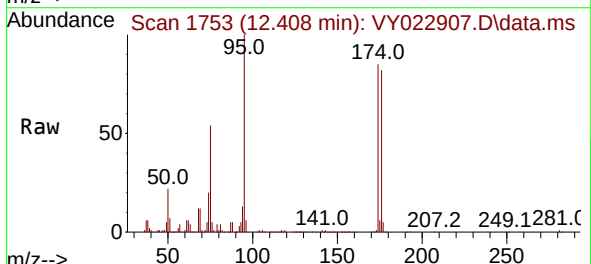
Instrument :
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ClientSampleId :
WC-1-VOC

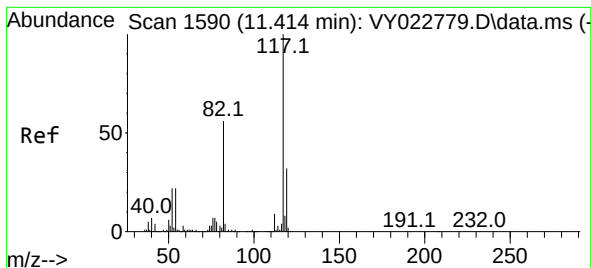
Tgt Ion: 63 Resp: 59
Ion Ratio Lower Upper
63 100
106 72.9 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 54.035 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022907.D
Acq: 02 Jul 2025 13:12

Tgt Ion: 95 Resp: 259125
Ion Ratio Lower Upper
95 100
174 82.4 0.0 170.0
176 79.2 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022907.D

Acq: 02 Jul 2025 13:12

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-VOC

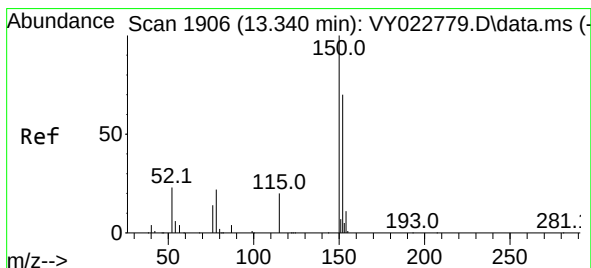
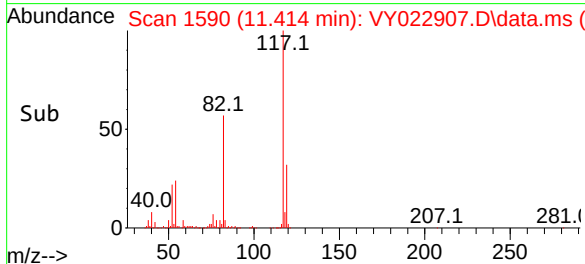
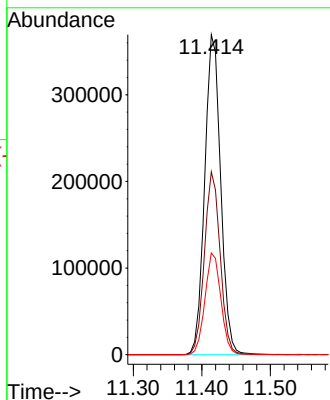
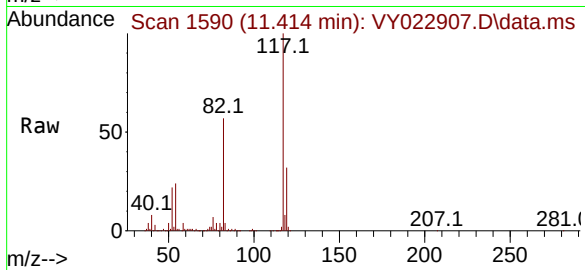
Tgt Ion:117 Resp: 601268

Ion Ratio Lower Upper

117 100

82 57.2 44.6 66.8

119 31.8 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: VY022907.D

Acq: 02 Jul 2025 13:12

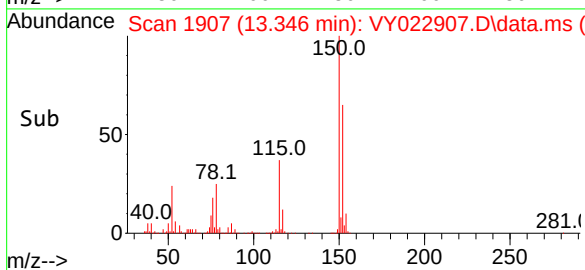
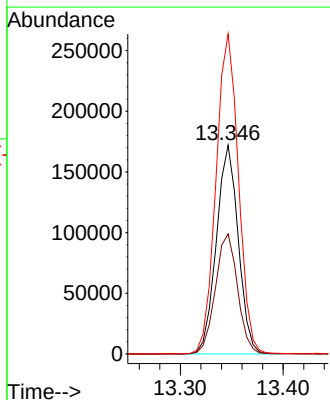
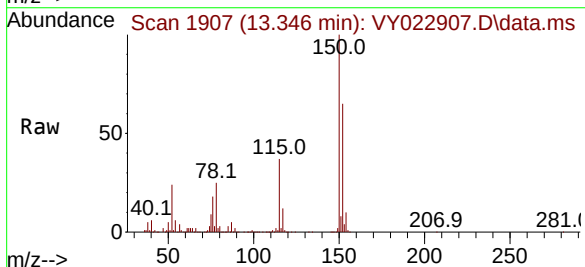
Tgt Ion:152 Resp: 253979

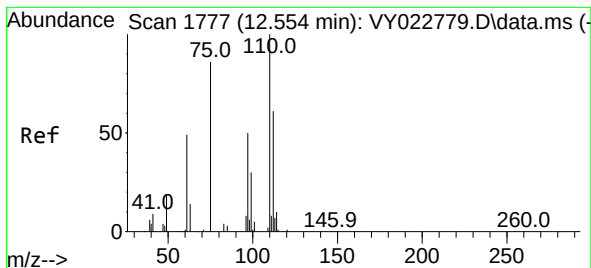
Ion Ratio Lower Upper

152 100

115 58.5 28.9 86.7

150 157.1 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 56.268 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022907.D

Acq: 02 Jul 2025 13:12

Instrument :

MSVOA_Y

ClientSampleId :

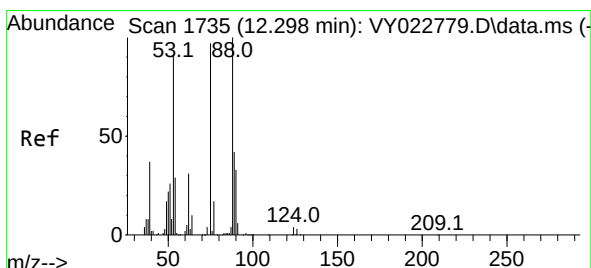
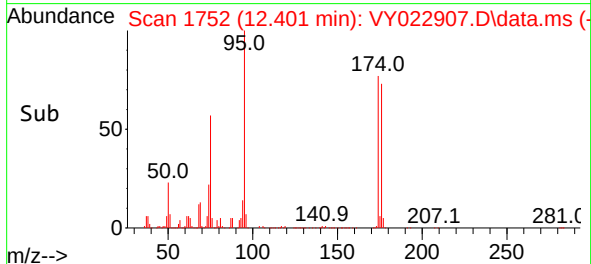
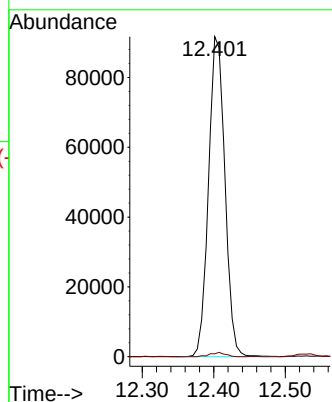
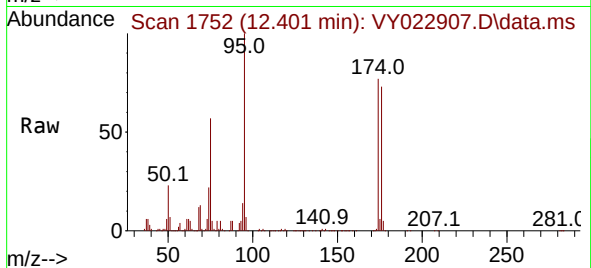
WC-1-VOC

Tgt Ion: 75 Resp: 145899

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 142.156 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.097 min

Lab File: VY022907.D

Acq: 02 Jul 2025 13:12

Tgt Ion: 75 Resp: 145899

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 35.7 53.5#

