

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022930.D
 Acq On : 03 Jul 2025 09:57
 Operator : SY/MD
 Sample : VY0703SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0703SBL01

Quant Time: Jul 04 03:15:02 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)

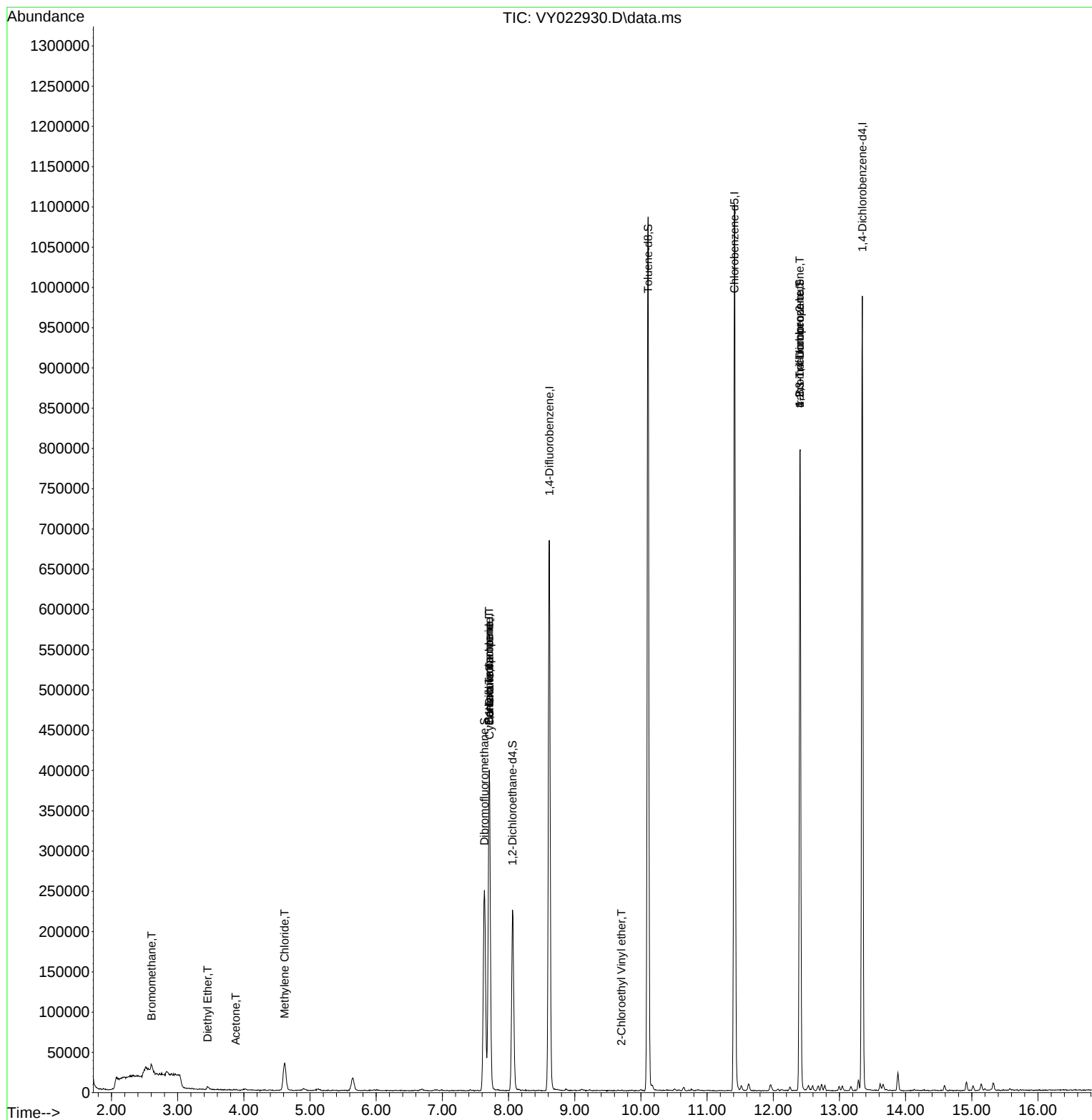
Internal Standards						
1) Pentafluorobenzene	7.707	168	297416	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	558302	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	553906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	230762	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	174829	52.668	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.340%	
35) Dibromofluoromethane	7.634	113	179026	52.727	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.460%	
50) Toluene-d8	10.109	98	701592	52.073	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.140%	
62) 4-Bromofluorobenzene	12.401	95	239365	55.266	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.540%	
Target Compounds						Qvalue
5) Bromomethane	2.604	94	6693	1.403	ug/l	82
8) Diethyl Ether	3.452	74	1928	1.162	ug/l #	49
16) Acetone	3.879	43	1367	2.179	ug/l	97
20) Methylene Chloride	4.616	84	25228	6.367	ug/l	98
31) Cyclohexane	7.713	56	7566	1.327	ug/l #	13
36) 1,1-Dichloropropene	7.707	75	25871	5.027	ug/l #	50
38) Carbon Tetrachloride	7.707	117	30125	5.548	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.707	63	259	15.781	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	135826	57.654	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	135826	145.656	ug/l #	11

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

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ALS Vial : 3 Sample Multiplier: 1

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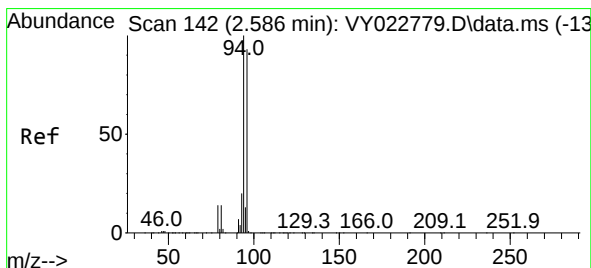
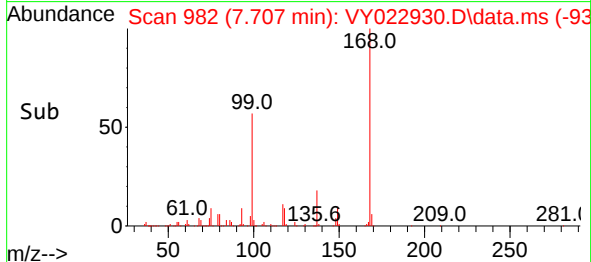
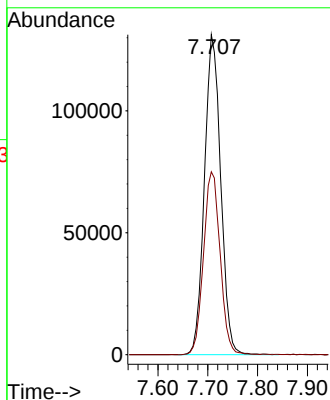
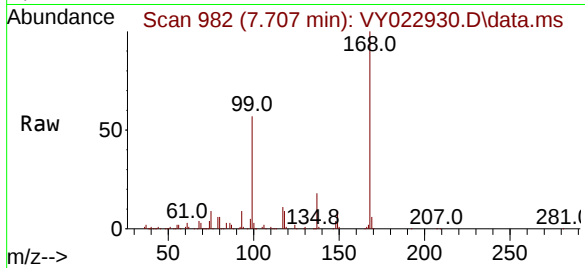




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022930.D
Acq: 03 Jul 2025 09:57

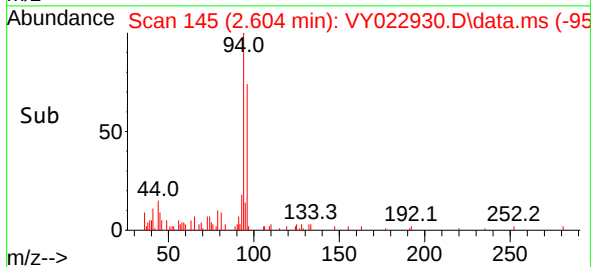
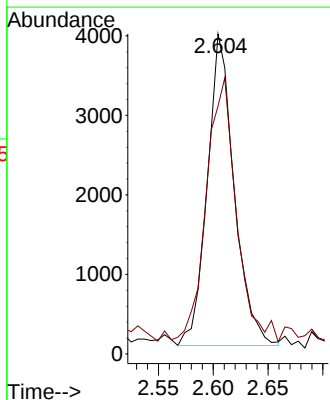
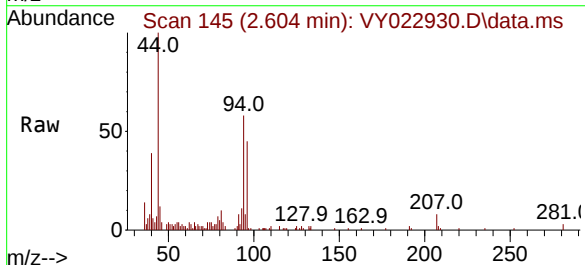
Instrument :
MSVOA_Y
ClientSampleId :
VY0703SBL01

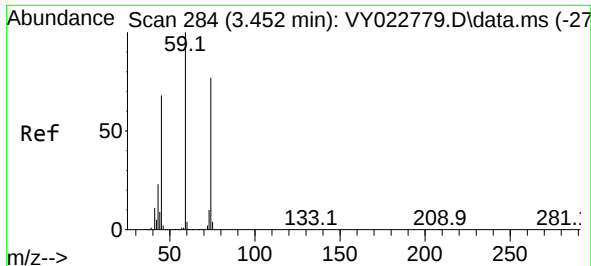
Tgt Ion:168 Resp: 297416
Ion Ratio Lower Upper
168 100
99 57.1 44.3 66.5



#5
Bromomethane
Concen: 1.403 ug/l
RT: 2.604 min Scan# 145
Delta R.T. 0.006 min
Lab File: VY022930.D
Acq: 03 Jul 2025 09:57

Tgt Ion: 94 Resp: 6693
Ion Ratio Lower Upper
94 100
96 75.7 74.0 111.0

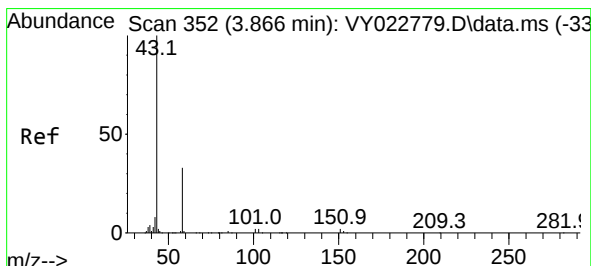
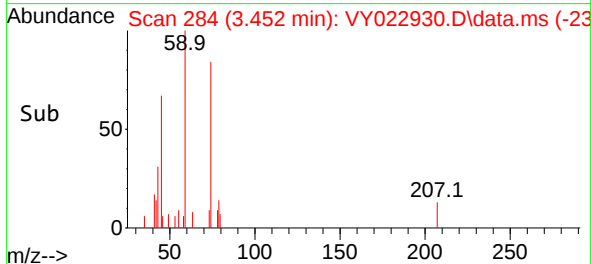
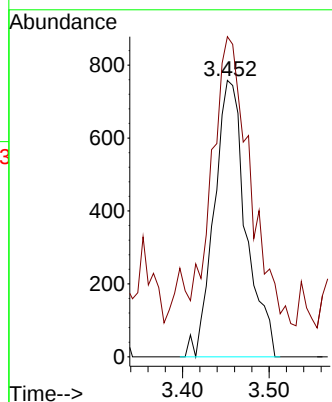
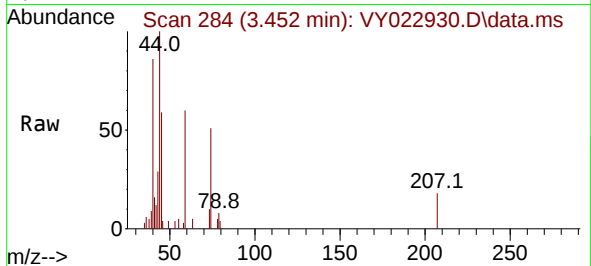




#8
Diethyl Ether
Concen: 1.162 ug/l
RT: 3.452 min Scan# 21
Delta R.T. -0.012 min
Lab File: VY022930.D
Acq: 03 Jul 2025 09:57

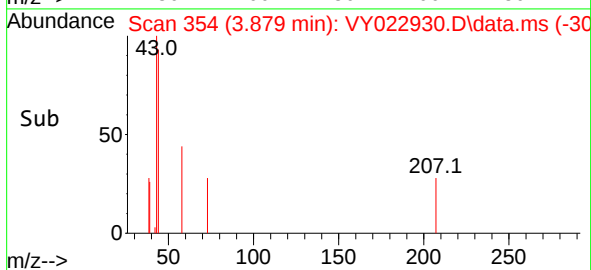
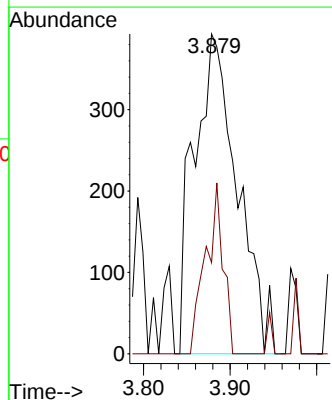
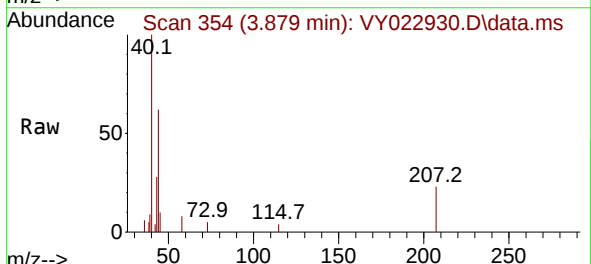
Instrument :
MSVOA_Y
ClientSampleId :
VY0703SBL01

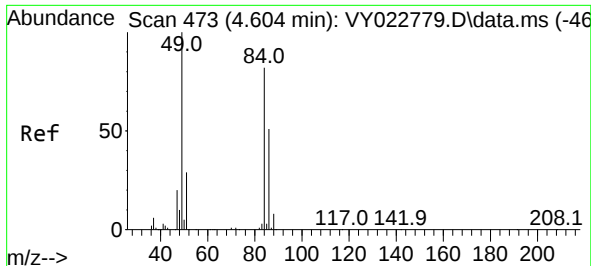
Tgt Ion: 74 Resp: 1928
Ion Ratio Lower Upper
74 100
45 140.7 45.9 137.6#



#16
Acetone
Concen: 2.179 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022930.D
Acq: 03 Jul 2025 09:57

Tgt Ion: 43 Resp: 1367
Ion Ratio Lower Upper
43 100
58 28.5 24.0 36.0

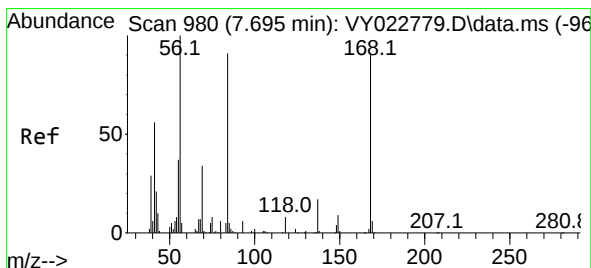
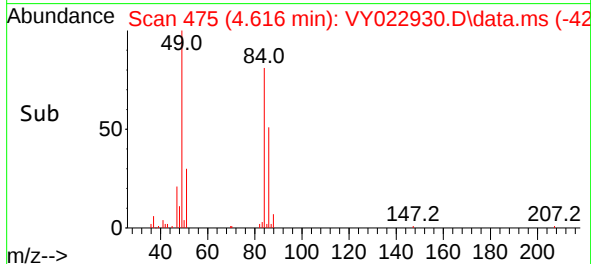
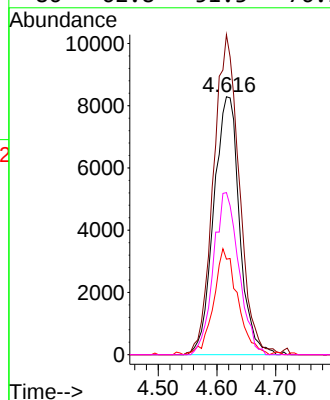
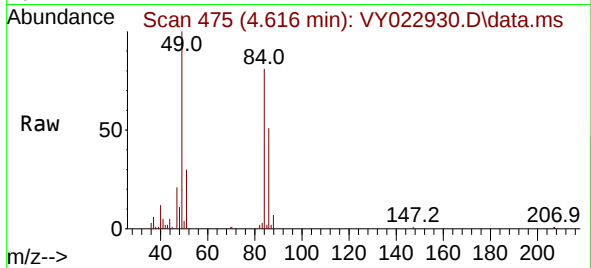




#20
Methylene Chloride
Concen: 6.367 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022930.D
Acq: 03 Jul 2025 09:57

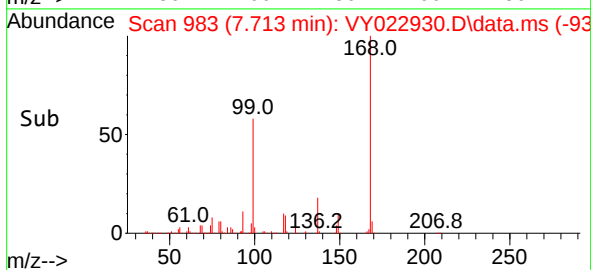
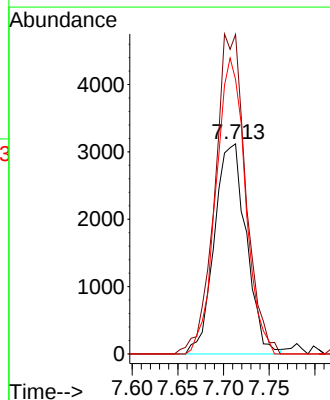
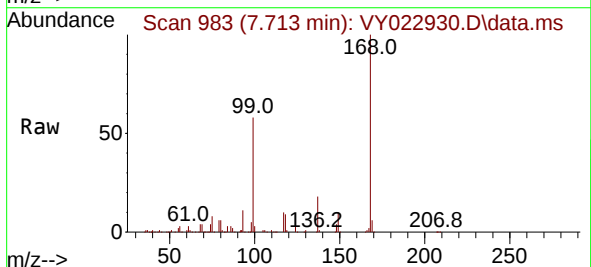
Instrument :
MSVOA_Y
ClientSampleId :
VY0703SBL01

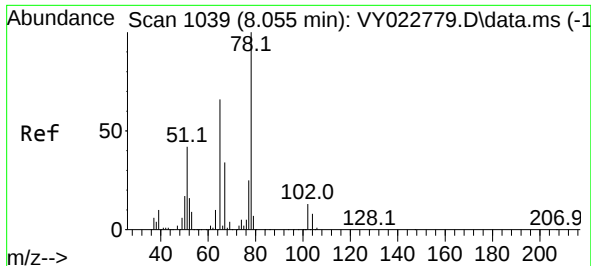
Tgt Ion:	84	Resp:	25228
Ion	Ratio	Lower	Upper
84	100		
49	124.0	101.9	152.9
51	36.3	29.8	44.8
86	62.8	51.3	76.9



#31
Cyclohexane
Concen: 1.327 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY022930.D
Acq: 03 Jul 2025 09:57

Tgt Ion:	56	Resp:	7566
Ion	Ratio	Lower	Upper
56	100		
69	152.1	27.0	40.6#
84	130.6	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 52.668 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022930.D

Acq: 03 Jul 2025 09:57

Instrument :

MSVOA_Y

ClientSampleId :

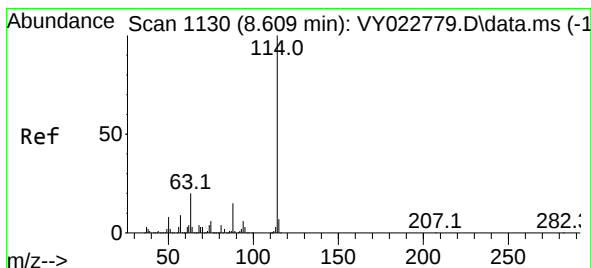
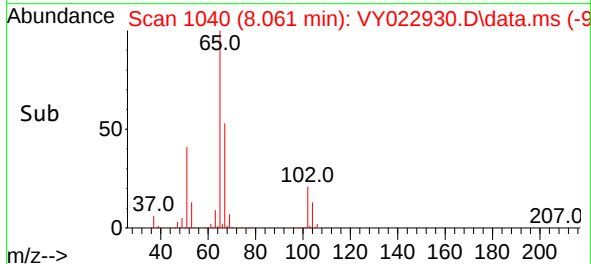
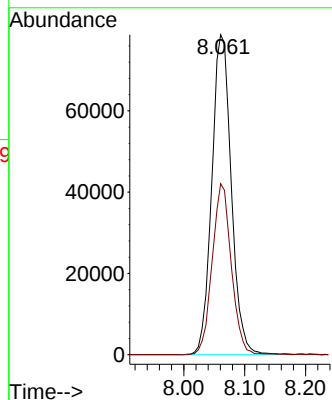
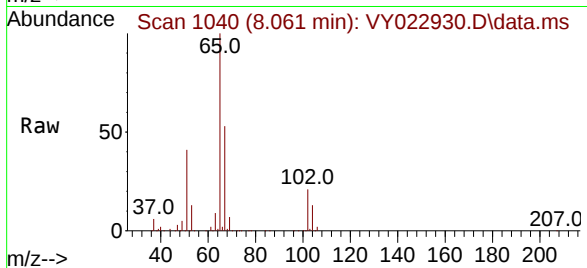
VY0703SBL01

Tgt Ion: 65 Resp: 174829

Ion Ratio Lower Upper

65 100

67 52.5 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022930.D

Acq: 03 Jul 2025 09:57

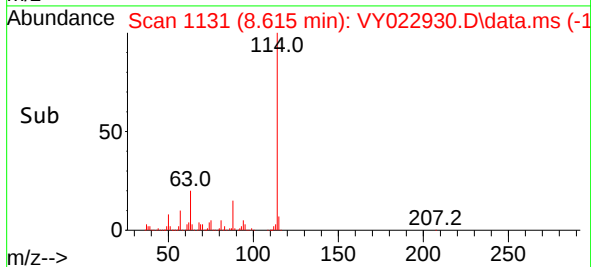
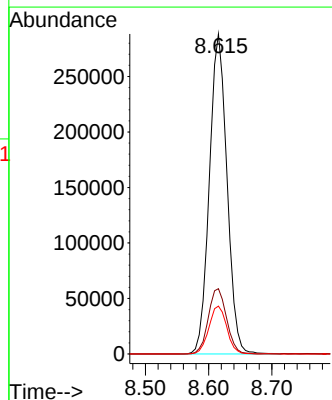
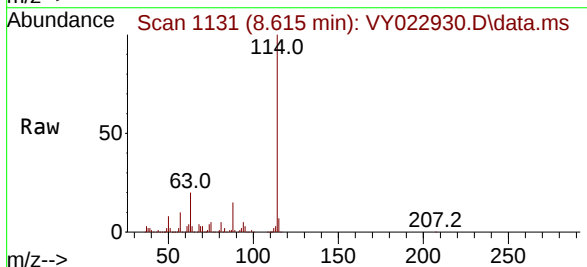
Tgt Ion:114 Resp: 558302

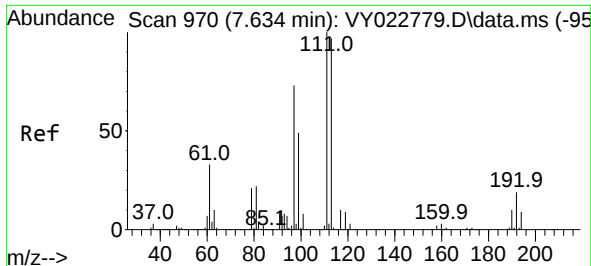
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 15.0 0.0 27.8

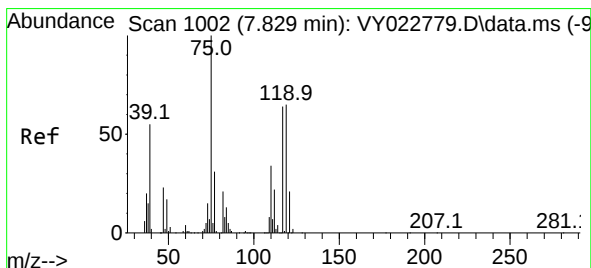
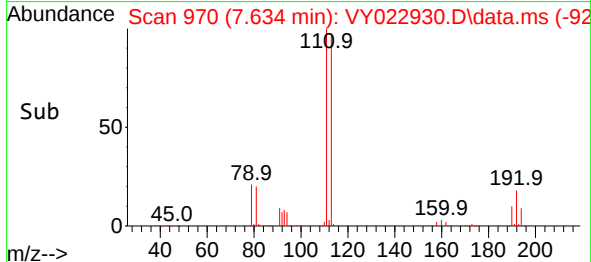
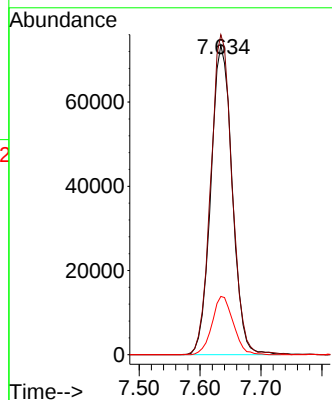
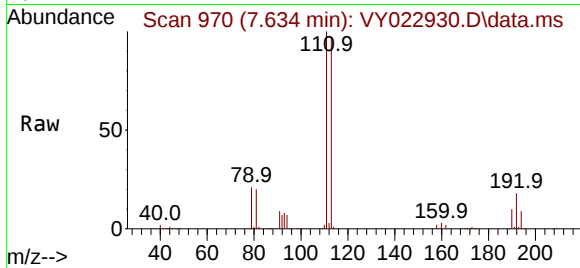




#35
Dibromofluoromethane
Concen: 52.727 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022930.D
Acq: 03 Jul 2025 09:57

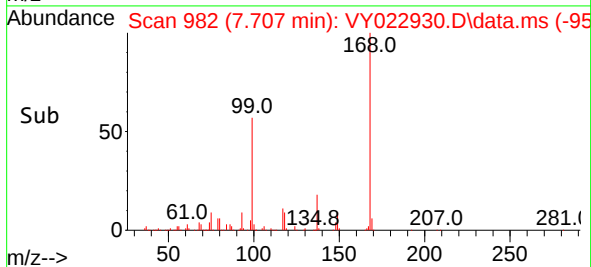
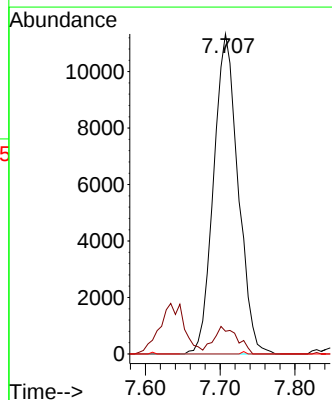
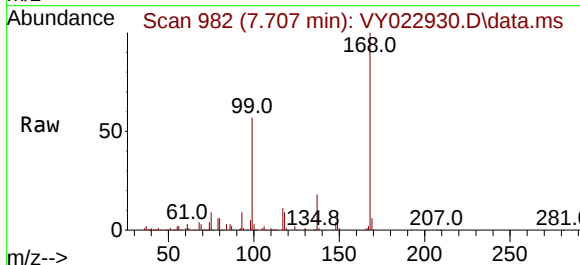
Instrument :
MSVOA_Y
ClientSampleId :
VY0703SBL01

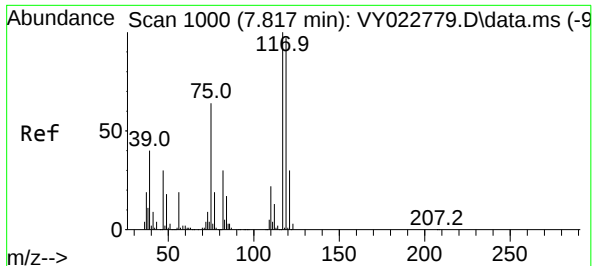
Tgt Ion:113 Resp: 179026
Ion Ratio Lower Upper
113 100
111 103.5 81.1 121.7
192 18.7 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.027 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022930.D
Acq: 03 Jul 2025 09:57

Tgt Ion: 75 Resp: 25871
Ion Ratio Lower Upper
75 100
110 8.2 16.9 50.7#
77 0.0 24.8 37.2#

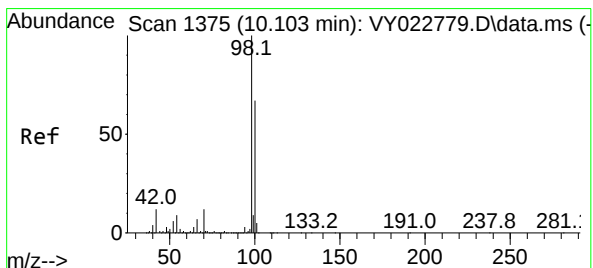
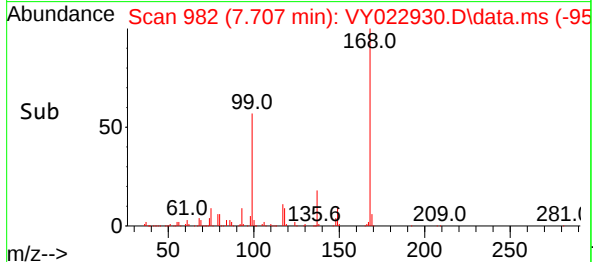
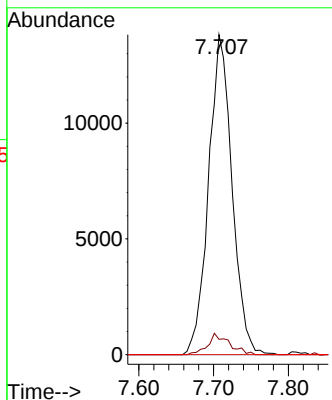
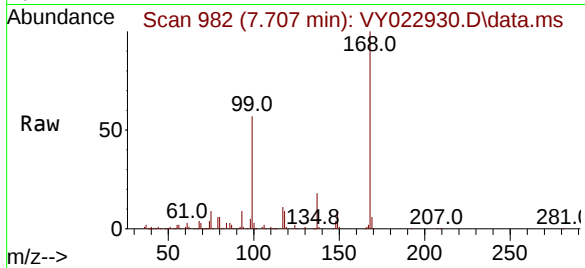




#38
Carbon Tetrachloride
Concen: 5.548 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022930.D
Acq: 03 Jul 2025 09:57

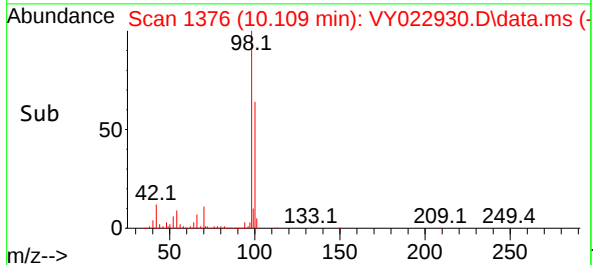
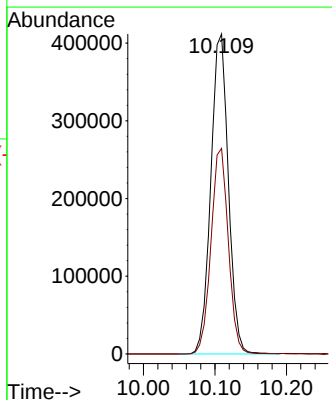
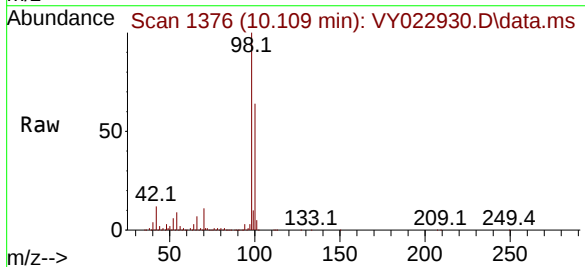
Instrument :
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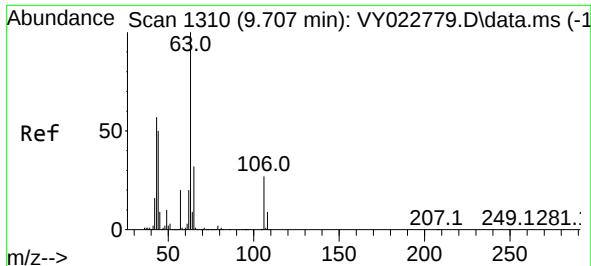
Tgt Ion:117 Resp: 30125
Ion Ratio Lower Upper
117 100
119 4.8 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 52.073 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022930.D
Acq: 03 Jul 2025 09:57

Tgt Ion: 98 Resp: 701592
Ion Ratio Lower Upper
98 100
100 63.6 51.4 77.0

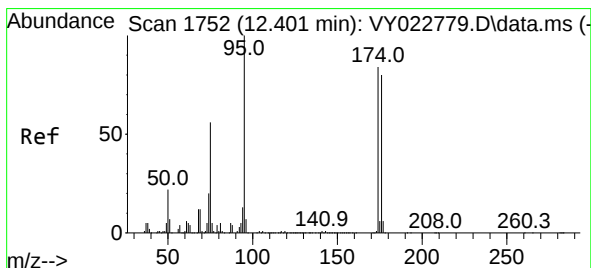
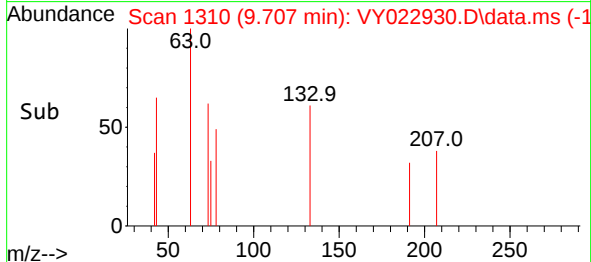
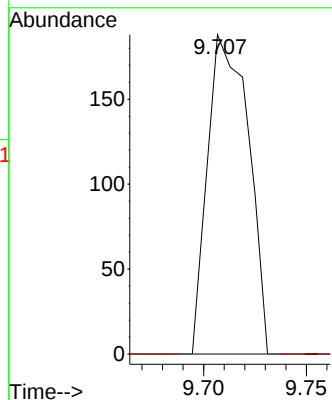
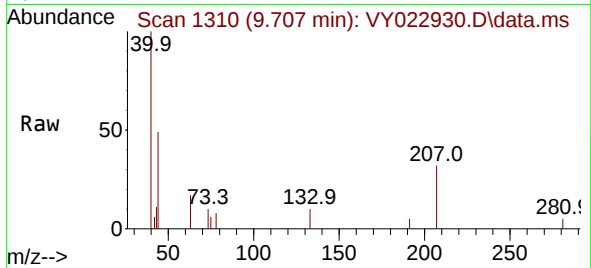




#58
2-Chloroethyl Vinyl ether
Concen: 15.781 ug/l
RT: 9.707 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022930.D
Acq: 03 Jul 2025 09:57

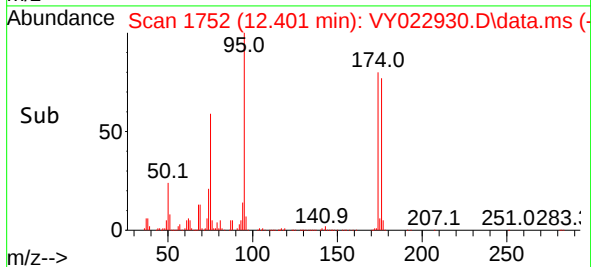
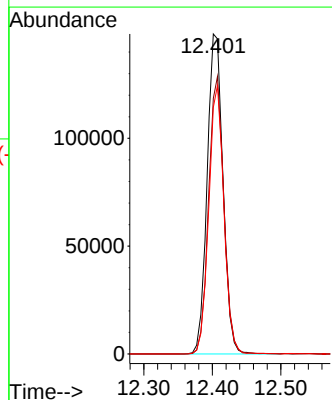
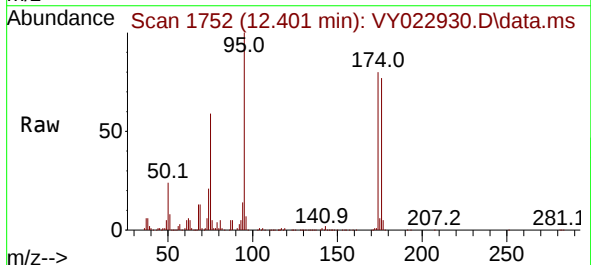
Instrument :
MSVOA_Y
ClientSampleId :
VY0703SBL01

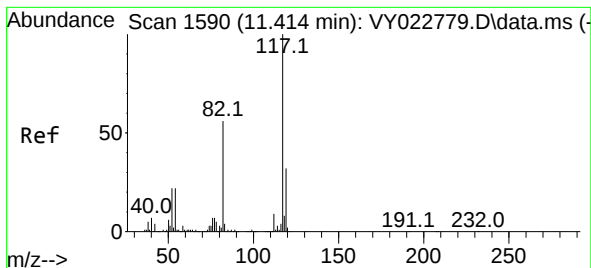
Tgt Ion: 63 Resp: 259
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#



#62
4-Bromofluorobenzene
Concen: 55.266 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022930.D
Acq: 03 Jul 2025 09:57

Tgt Ion: 95 Resp: 239365
Ion Ratio Lower Upper
95 100
174 83.6 0.0 170.0
176 80.1 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: VY022930.D

Acq: 03 Jul 2025 09:57

Instrument :

MSVOA_Y

ClientSampleId :

VY0703SBL01

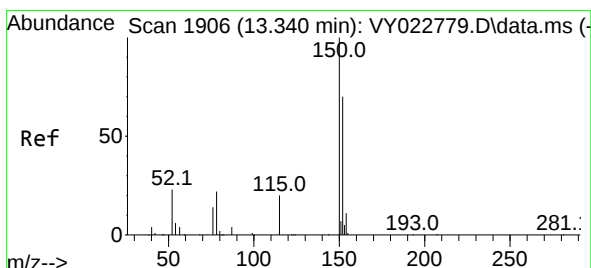
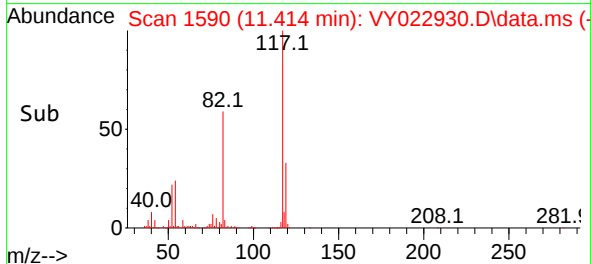
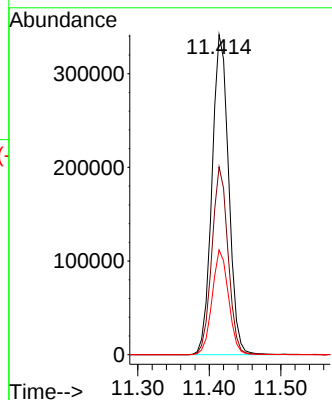
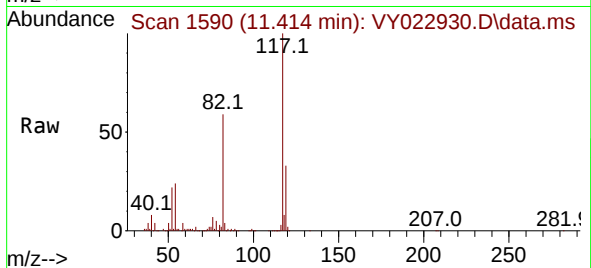
Tgt Ion:117 Resp: 553906

Ion Ratio Lower Upper

117 100

82 58.7 44.6 66.8

119 32.7 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: VY022930.D

Acq: 03 Jul 2025 09:57

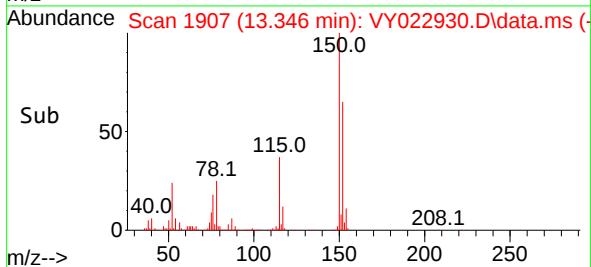
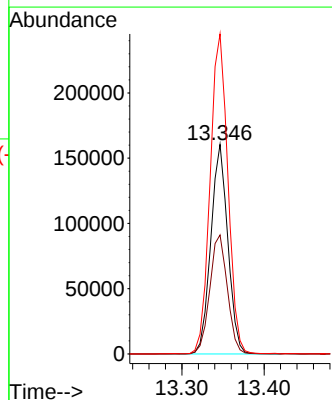
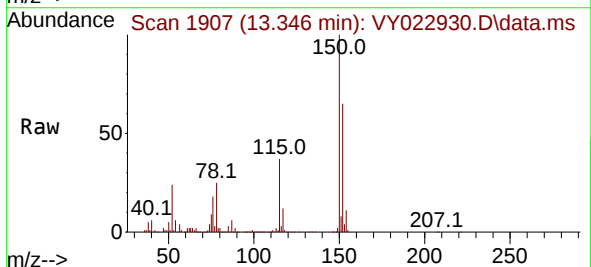
Tgt Ion:152 Resp: 230762

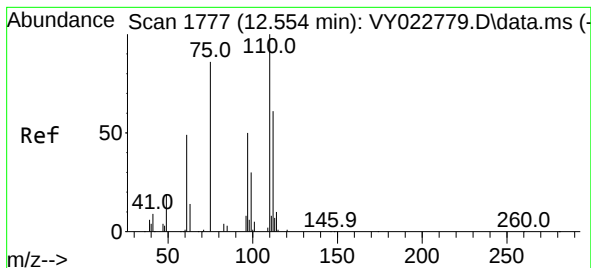
Ion Ratio Lower Upper

152 100

115 58.7 28.9 86.7

150 158.8 0.0 349.6

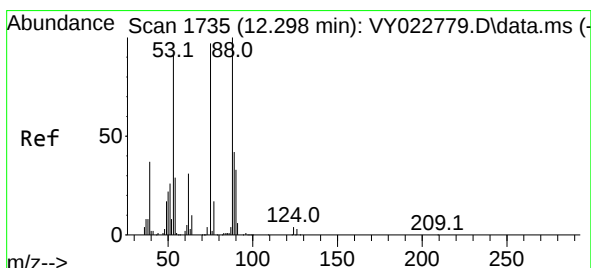
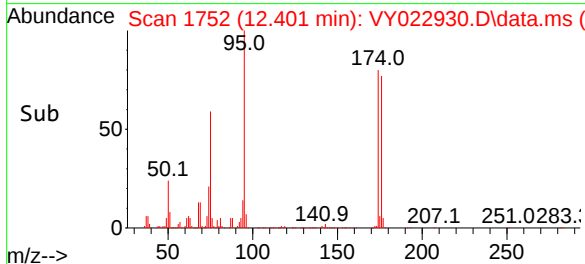
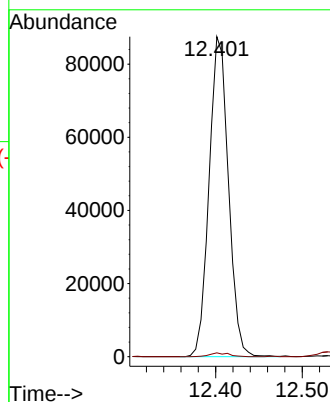
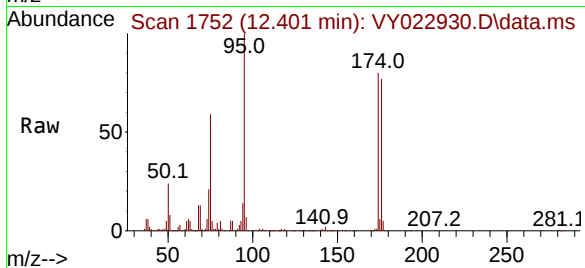




#76
1,2,3-Trichloropropane
Concen: 57.654 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022930.D
Acq: 03 Jul 2025 09:57

Instrument :
MSVOA_Y
ClientSampleId :
VY0703SBL01

Tgt Ion: 75 Resp: 135826
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 145.656 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022930.D
Acq: 03 Jul 2025 09:57

Tgt Ion: 75 Resp: 135826
Ion Ratio Lower Upper
75 100
53 0.1 78.5 117.7#
89 0.0 35.7 53.5#

