

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
 Data File : VY022881.D
 Acq On : 30 Jun 2025 15:38
 Operator : SY/MD
 Sample : Q2450-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-2-062725

Quant Time: Jul 01 03:39:01 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	225993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	400513	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	398178	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	214653	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	124031	49.174	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.340%
35) Dibromofluoromethane	7.634	113	122233	50.183	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.360%
50) Toluene-d8	10.103	98	485645	50.246	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.500%
62) 4-Bromofluorobenzene	12.401	95	187912	60.478	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	120.960%

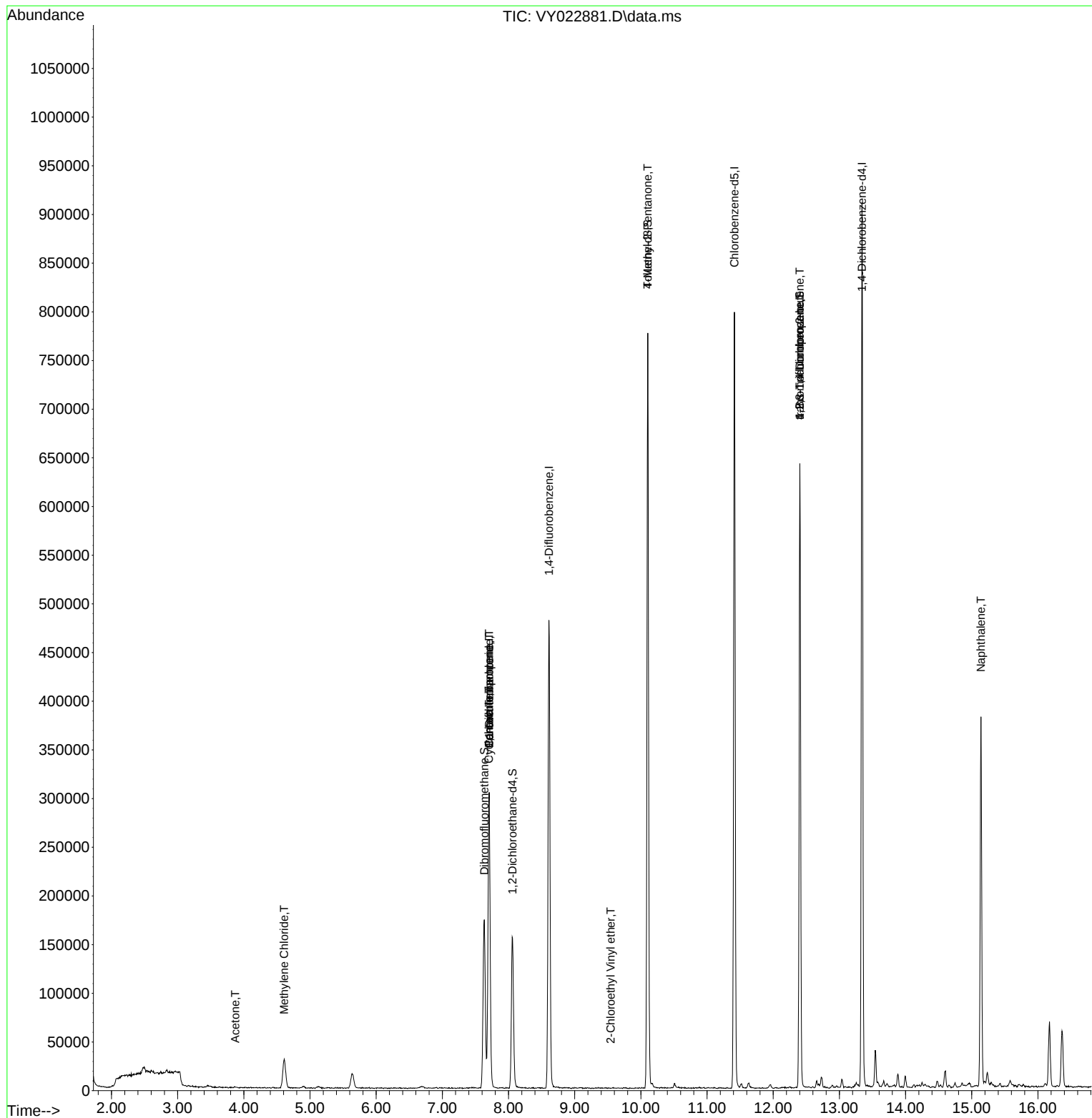
Target Compounds					Qvalue	
16) Acetone	3.872	43	1647	3.455	ug/l	96
20) Methylene Chloride	4.610	84	21303	7.076	ug/l	96
31) Cyclohexane	7.701	56	5949	1.373	ug/l #	26
36) 1,1-Dichloropropene	7.707	75	19316	5.232	ug/l #	51
38) Carbon Tetrachloride	7.707	117	22548	5.788	ug/l #	18
51) 4-Methyl-2-Pentanone	10.103	43	2761	1.641	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.542	63	20	15.669	ug/l #	48
76) 1,2,3-Trichloropropane	12.401	75	103897	47.411	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	103897	119.778	ug/l #	11
95) Naphthalene	15.139	128	289673	44.549	ug/l	100

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063025\
Data File : VY022881.D
Acq On : 30 Jun 2025 15:38
Operator : SY/MD
Sample : Q2450-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PL-2-062725

Quant Time: Jul 01 03:39:01 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

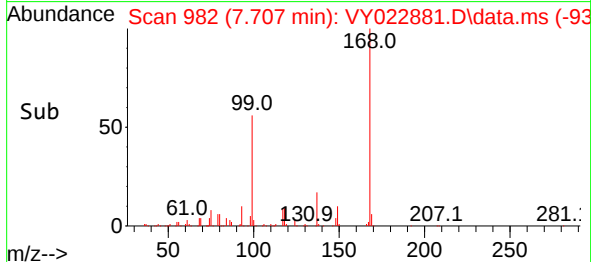
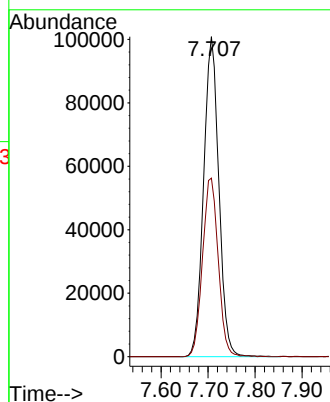
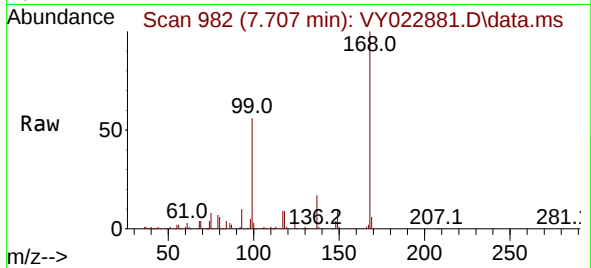




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022881.D
Acq: 30 Jun 2025 15:38

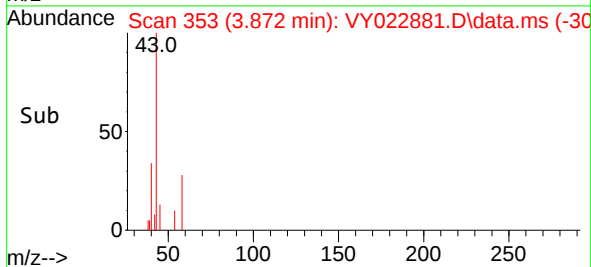
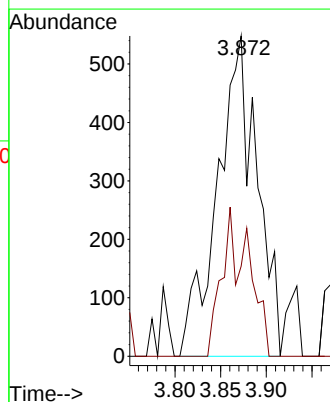
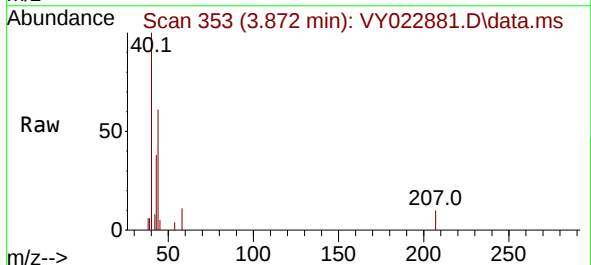
Instrument :
MSVOA_Y
ClientSampleId :
PL-2-062725

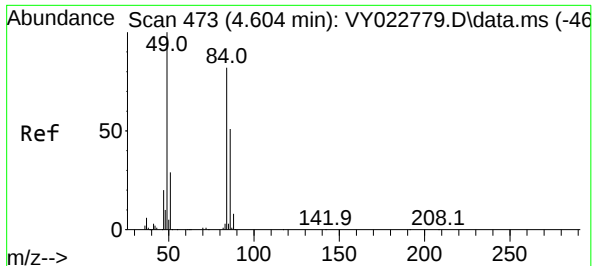
Tgt Ion:168 Resp: 225993
Ion Ratio Lower Upper
168 100
99 55.8 44.3 66.5



#16
Acetone
Concen: 3.455 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022881.D
Acq: 30 Jun 2025 15:38

Tgt Ion: 43 Resp: 1647
Ion Ratio Lower Upper
43 100
58 28.1 24.0 36.0

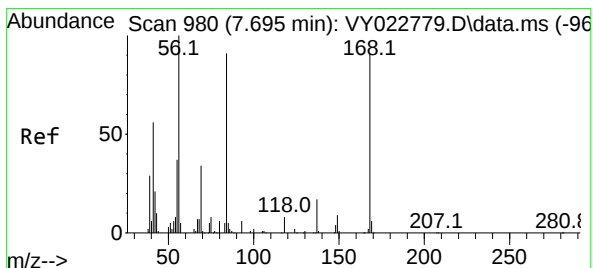
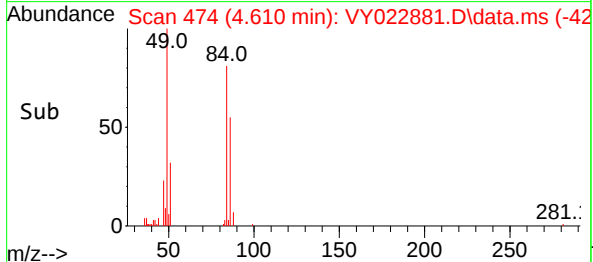
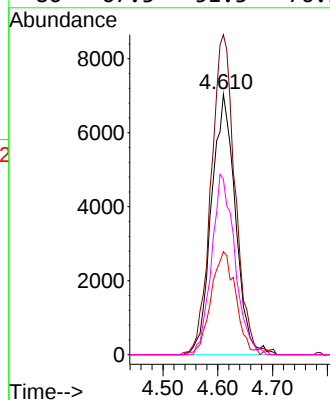
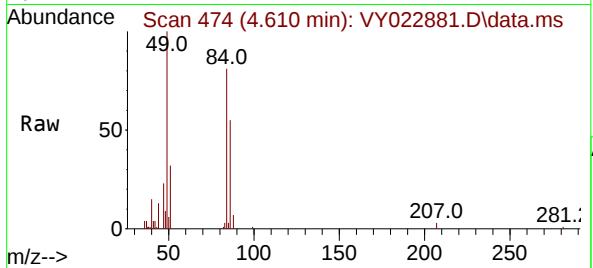




#20
Methylene Chloride
Concen: 7.076 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY022881.D
Acq: 30 Jun 2025 15:38

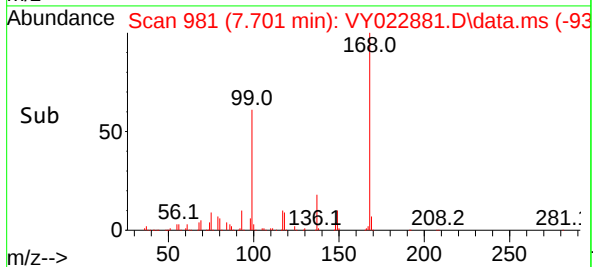
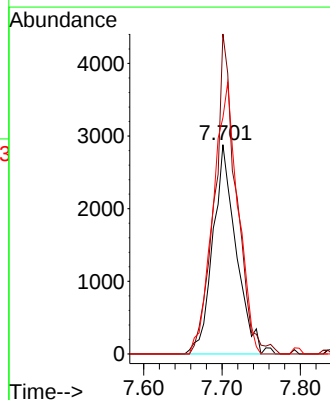
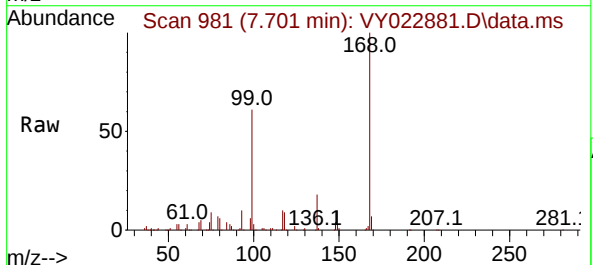
Instrument :
MSVOA_Y
ClientSampleId :
PL-2-062725

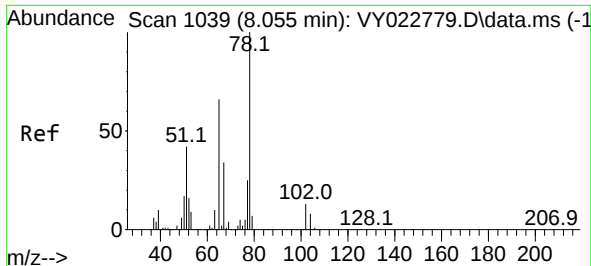
Tgt Ion:	84	Resp:	21303
Ion	Ratio	Lower	Upper
84	100		
49	122.8	101.9	152.9
51	39.6	29.8	44.8
86	67.3	51.3	76.9



#31
Cyclohexane
Concen: 1.373 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022881.D
Acq: 30 Jun 2025 15:38

Tgt Ion:	56	Resp:	5949
Ion	Ratio	Lower	Upper
56	100		
69	152.9	27.0	40.6#
84	112.9	72.6	109.0#

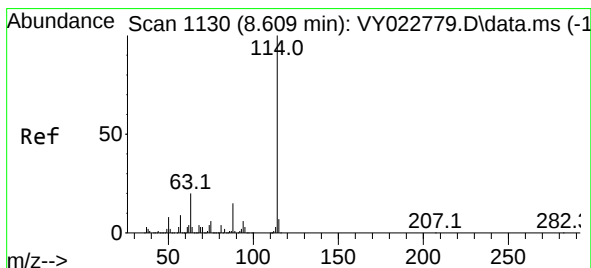
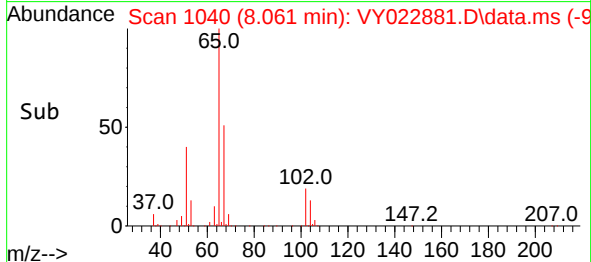
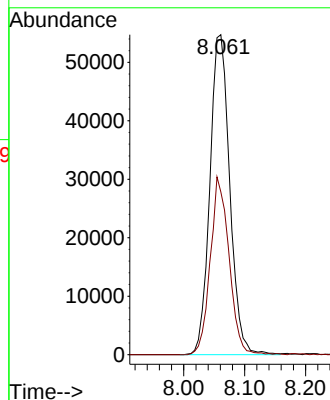
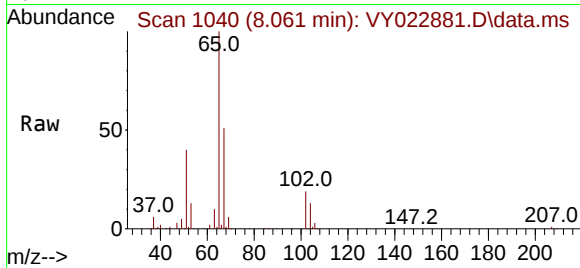




#33
1,2-Dichloroethane-d4
Concen: 49.174 ug/l
RT: 8.061 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY022881.D
Acq: 30 Jun 2025 15:38

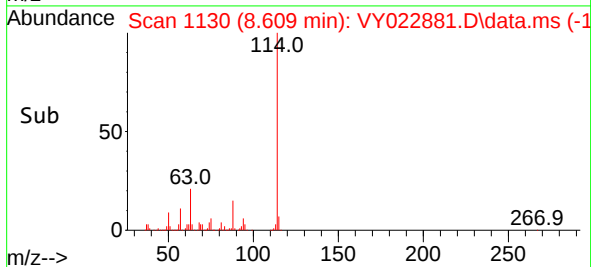
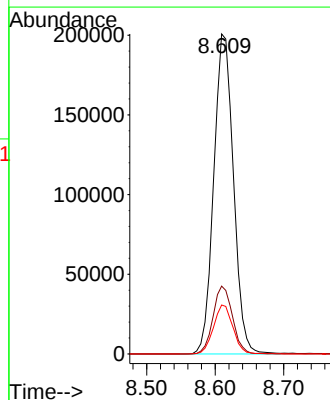
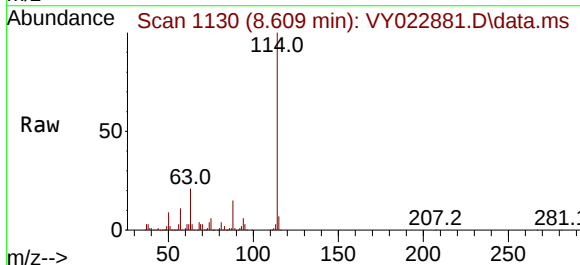
Instrument :
MSVOA_Y
ClientSampleId :
PL-2-062725

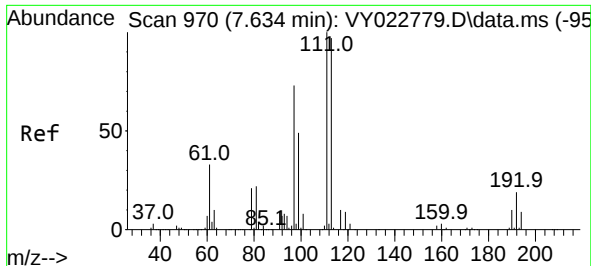
Tgt Ion: 65 Resp: 124031
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022881.D
Acq: 30 Jun 2025 15:38

Tgt Ion: 114 Resp: 400513
Ion Ratio Lower Upper
114 100
63 21.2 0.0 40.8
88 15.3 0.0 27.8

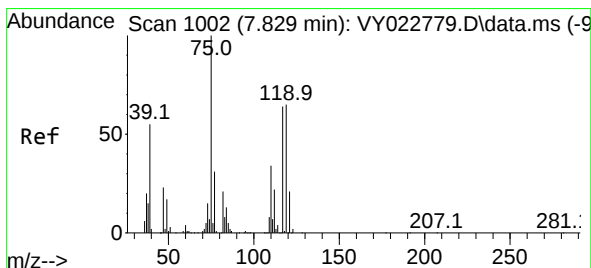
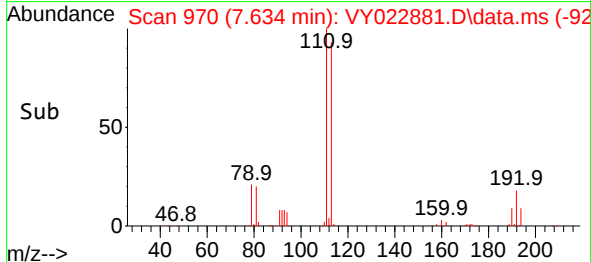
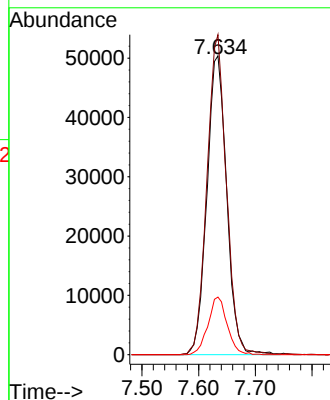
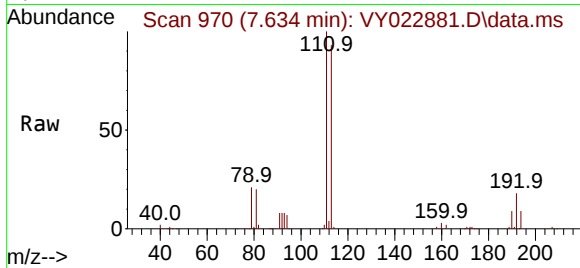




#35
Dibromofluoromethane
Concen: 50.183 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022881.D
Acq: 30 Jun 2025 15:38

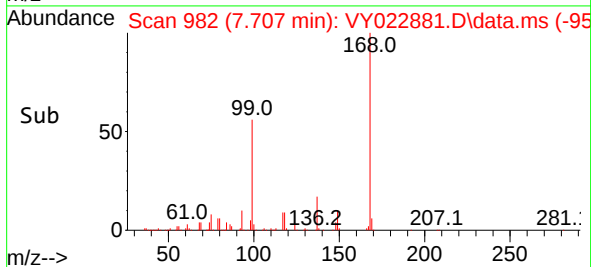
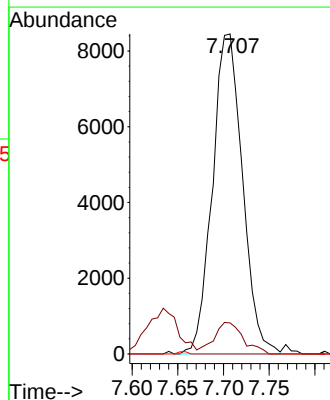
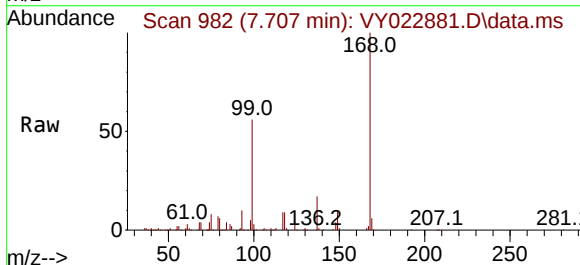
Instrument :
MSVOA_Y
ClientSampleId :
PL-2-062725

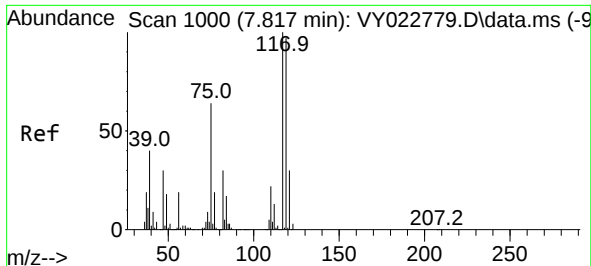
Tgt Ion:113 Resp: 122233
Ion Ratio Lower Upper
113 100
111 104.8 81.1 121.7
192 18.7 14.2 21.2



#36
1,1-Dichloropropene
Concen: 5.232 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022881.D
Acq: 30 Jun 2025 15:38

Tgt Ion: 75 Resp: 19316
Ion Ratio Lower Upper
75 100
110 9.6 16.9 50.7#
77 0.0 24.8 37.2#

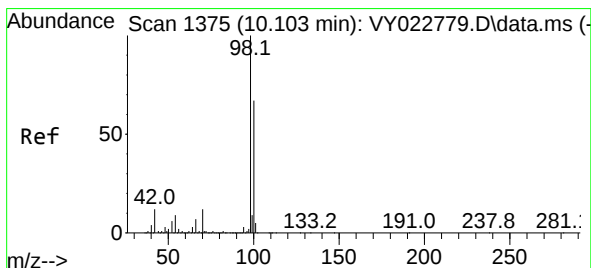
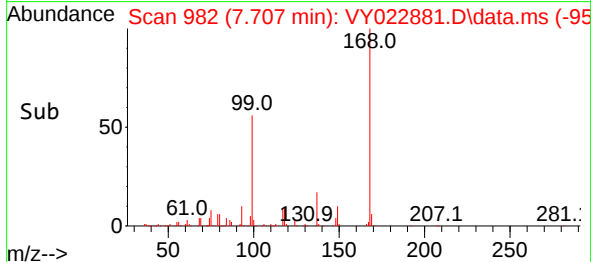
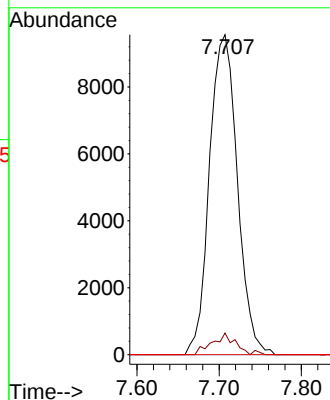
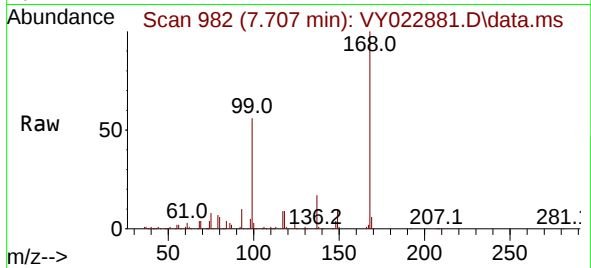




#38
Carbon Tetrachloride
Concen: 5.788 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022881.D
Acq: 30 Jun 2025 15:38

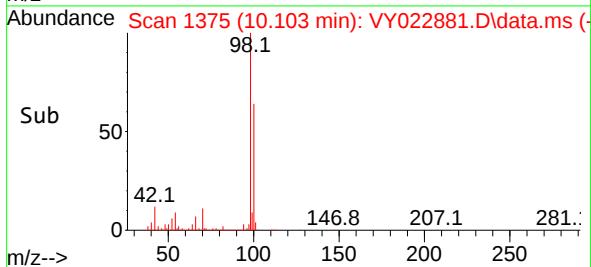
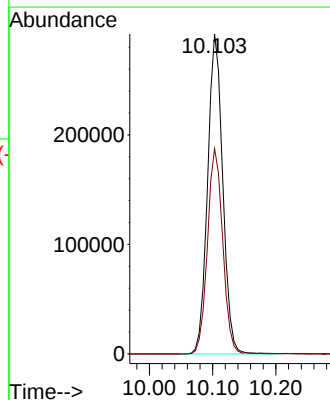
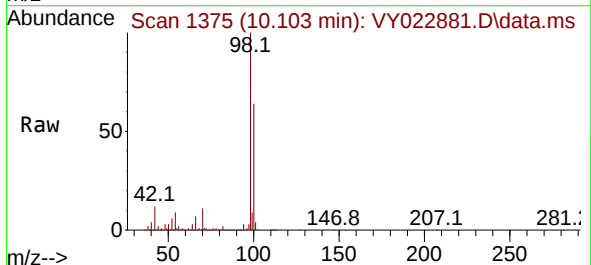
Instrument :
MSVOA_Y
ClientSampleId :
PL-2-062725

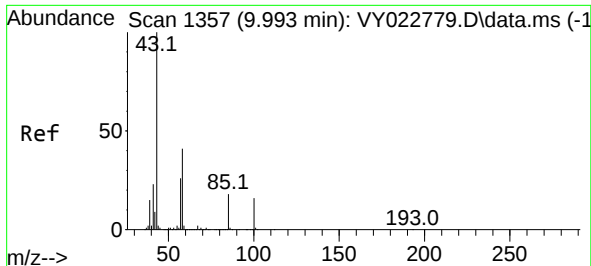
Tgt Ion:117 Resp: 22548
Ion Ratio Lower Upper
117 100
119 6.7 75.0 112.6#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 50.246 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022881.D
Acq: 30 Jun 2025 15:38

Tgt Ion: 98 Resp: 485645
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 1.641 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.103 min

Lab File: VY022881.D

Acq: 30 Jun 2025 15:38

Instrument :

MSVOA_Y

ClientSampleId :

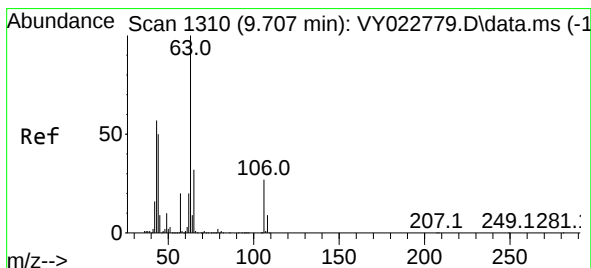
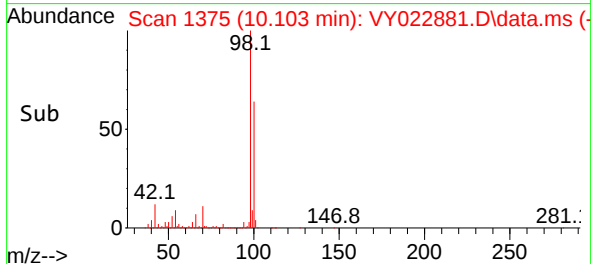
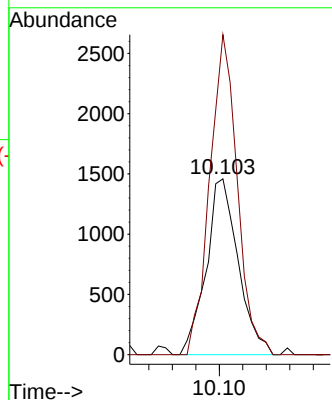
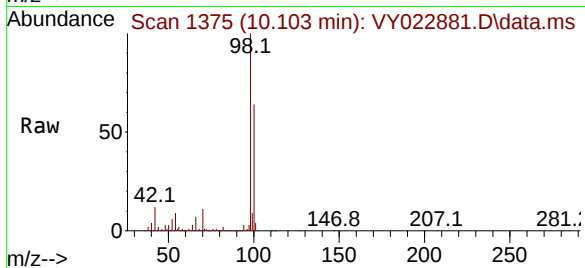
PL-2-062725

Tgt Ion: 43 Resp: 2761

Ion Ratio Lower Upper

43 100

58 156.8 30.4 45.6#



#58

2-Chloroethyl Vinyl ether

Concen: 15.669 ug/l

RT: 9.542 min Scan# 1283

Delta R.T. -0.171 min

Lab File: VY022881.D

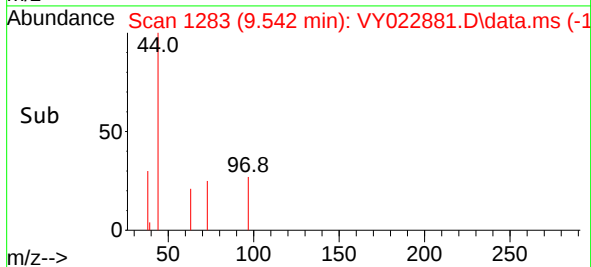
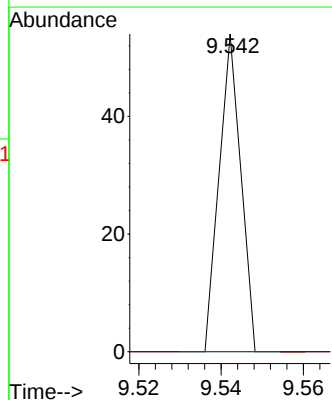
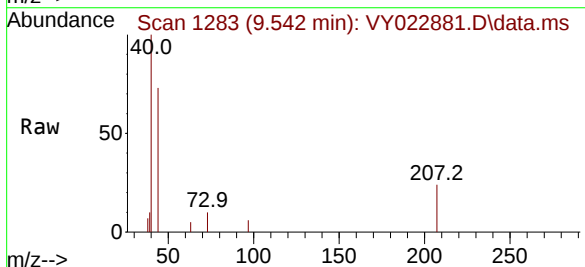
Acq: 30 Jun 2025 15:38

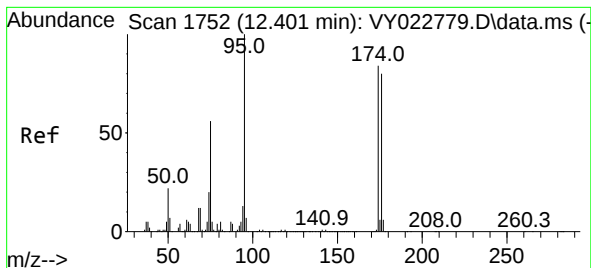
Tgt Ion: 63 Resp: 20

Ion Ratio Lower Upper

63 100

106 0.0 21.6 32.4#

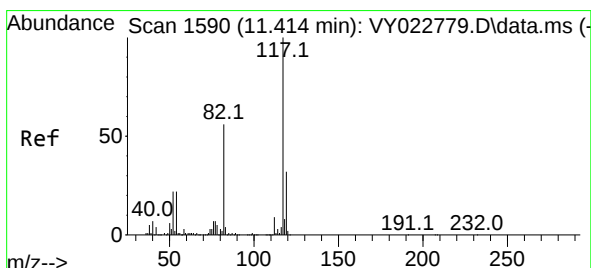
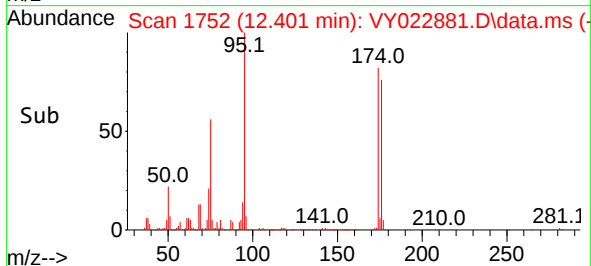
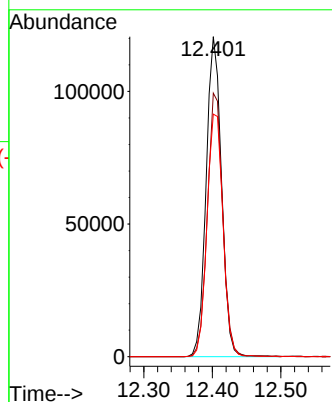
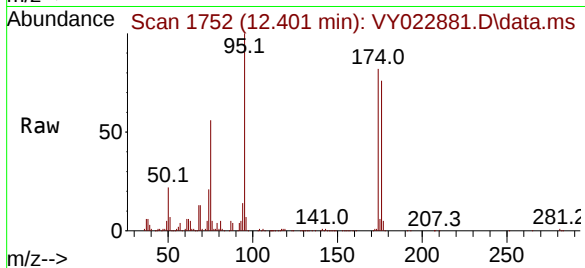




#62
4-Bromofluorobenzene
Concen: 60.478 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022881.D
Acq: 30 Jun 2025 15:38

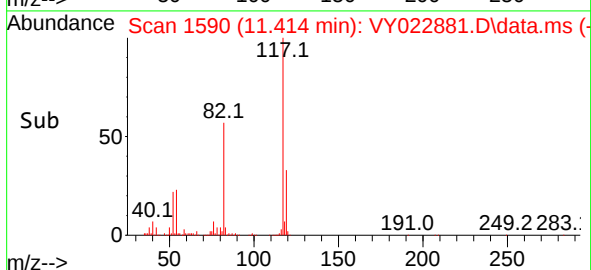
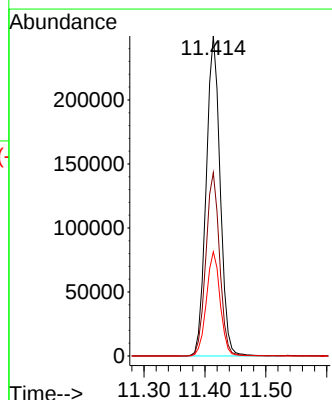
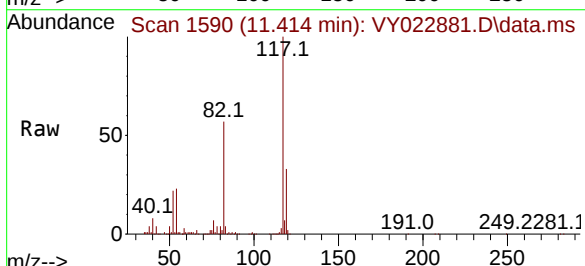
Instrument :
MSVOA_Y
ClientSampleId :
PL-2-062725

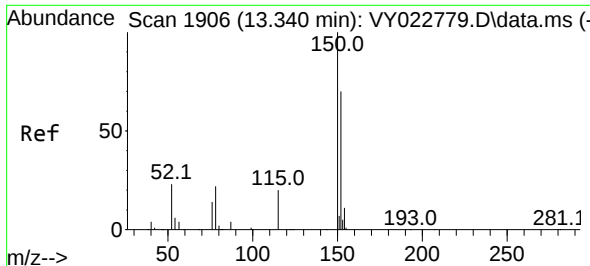
Tgt Ion: 95 Resp: 187912
Ion Ratio Lower Upper
95 100
174 82.9 0.0 170.0
176 79.3 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022881.D
Acq: 30 Jun 2025 15:38

Tgt Ion: 117 Resp: 398178
Ion Ratio Lower Upper
117 100
82 57.3 44.6 66.8
119 32.5 25.4 38.0

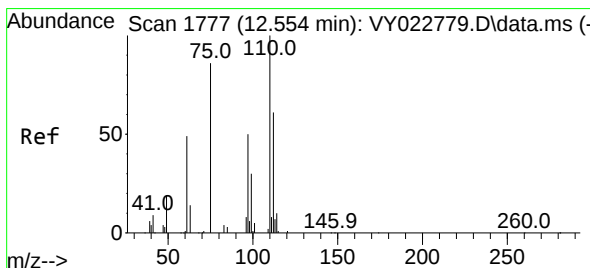
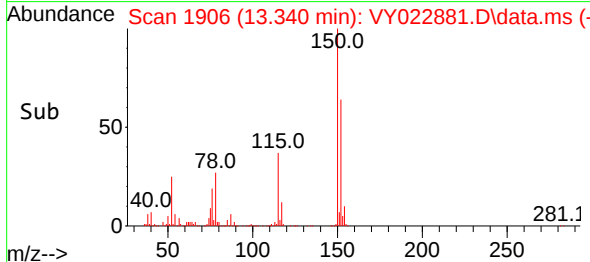
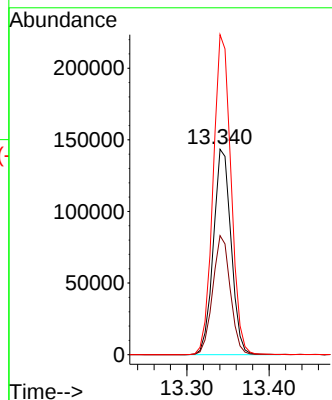
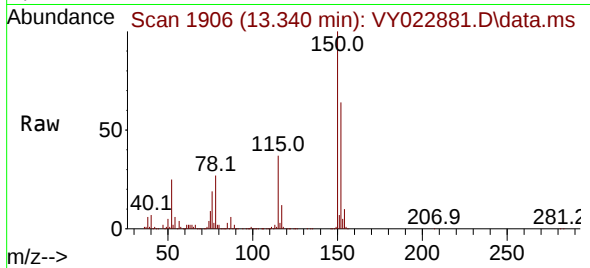




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1906
 Delta R.T. -0.006 min
 Lab File: VY022881.D
 Acq: 30 Jun 2025 15:38

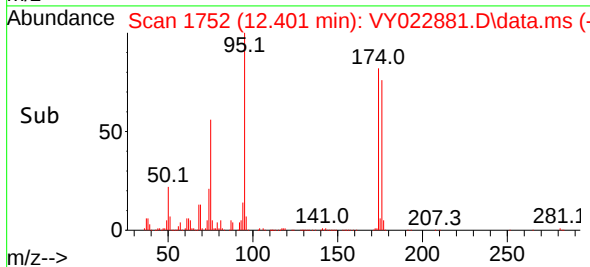
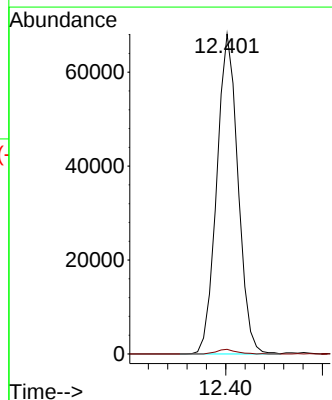
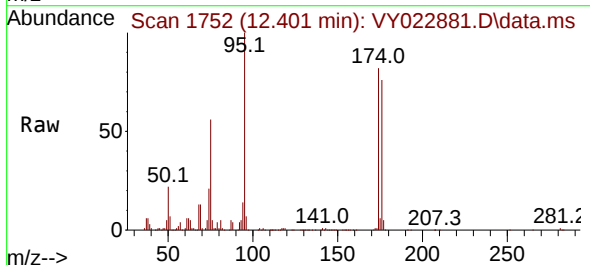
Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-2-062725

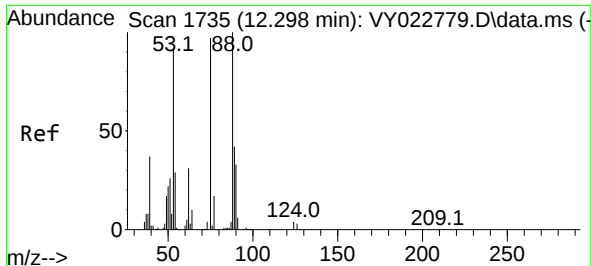
Tgt Ion:152 Resp: 214653
 Ion Ratio Lower Upper
 152 100
 115 57.6 28.9 86.7
 150 157.1 0.0 349.6



#76
 1,2,3-Trichloropropane
 Concen: 47.411 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY022881.D
 Acq: 30 Jun 2025 15:38

Tgt Ion: 75 Resp: 103897
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

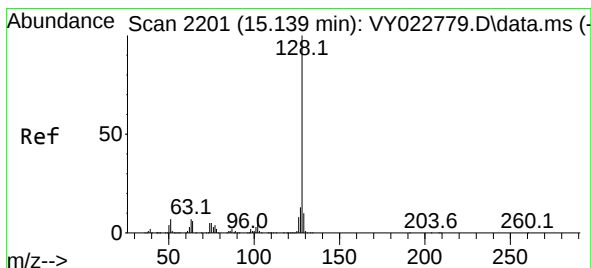
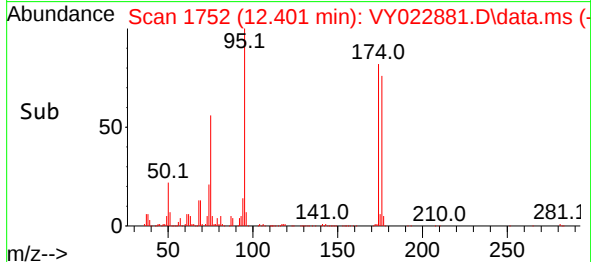
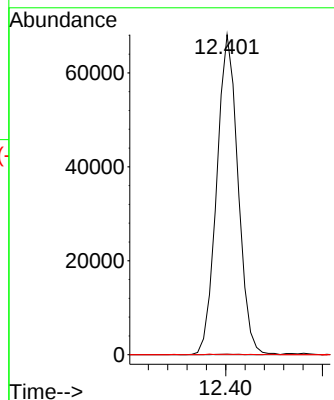
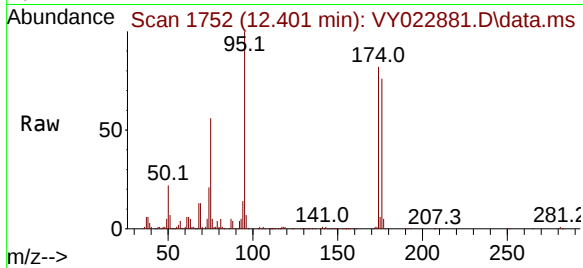




#81
trans-1,4-Dichloro-2-butene
Concen: 119.778 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022881.D
Acq: 30 Jun 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
PL-2-062725

Tgt Ion: 75 Resp: 103897
Ion Ratio Lower Upper
75 100
53 0.2 78.5 117.7#
89 0.1 35.7 53.5#



#95
Naphthalene
Concen: 44.549 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY022881.D
Acq: 30 Jun 2025 15:38

Tgt Ion: 128 Resp: 289673
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.2 8.9 13.3

