

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
 Data File : VY023040.D
 Acq On : 22 Jul 2025 12:47
 Operator : SY/MD
 Sample : VY0722SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0722SBL01

Quant Time: Jul 23 02:01:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

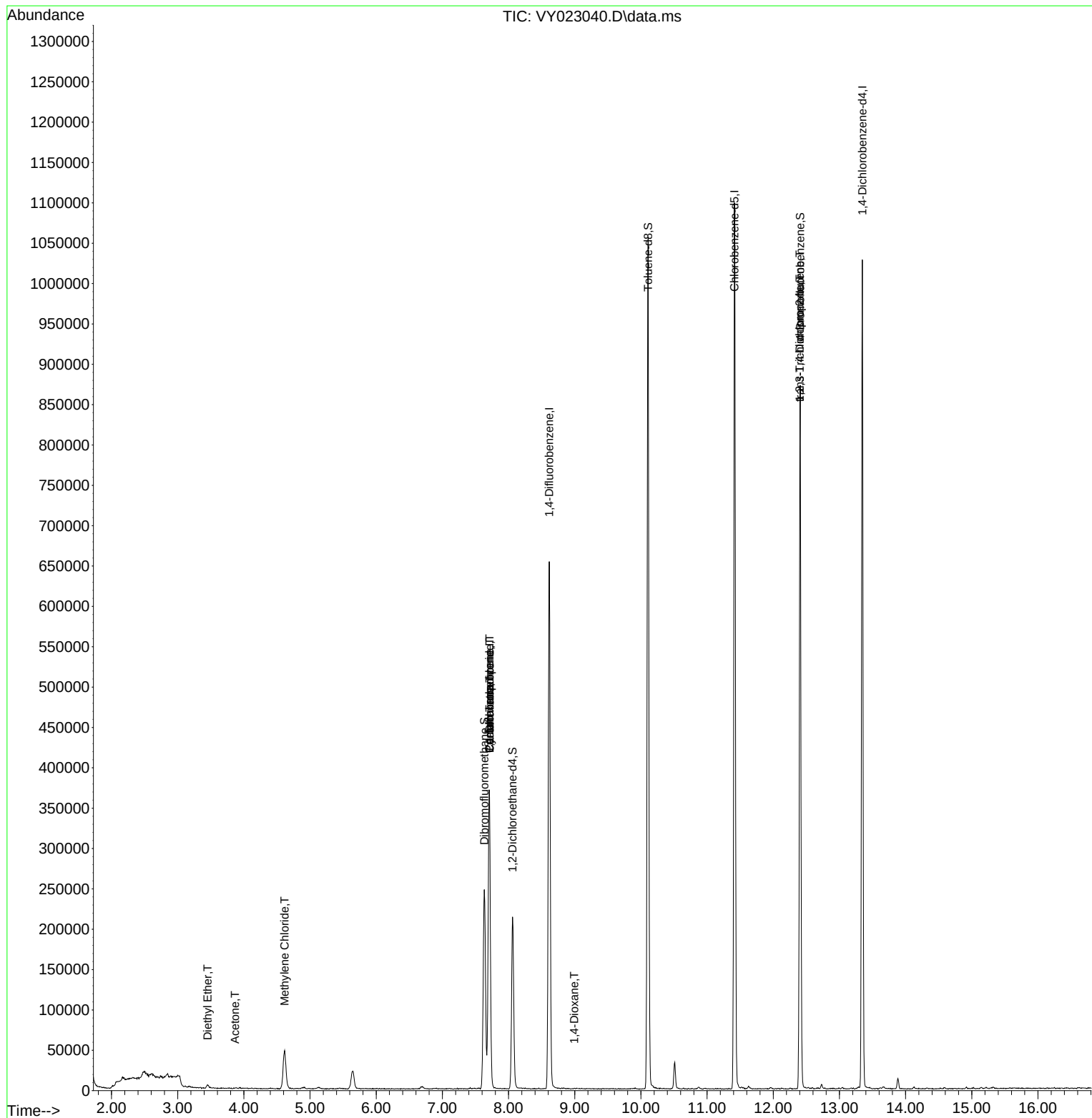
Internal Standards						
1) Pentafluorobenzene	7.713	168	287011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	554548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	566307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	245159	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	172608	59.407	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.820%	
35) Dibromofluoromethane	7.634	113	180967	51.445	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.880%	
50) Toluene-d8	10.109	98	684309	49.055	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.100%	
62) 4-Bromofluorobenzene	12.407	95	246433	56.120	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 112.240%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.452	74	2228	1.397	ug/l	96
16) Acetone	3.866	43	989	1.878	ug/l #	68
20) Methylene Chloride	4.616	84	34470	1.167	ug/l	96
31) Cyclohexane	7.713	56	6973	1.205	ug/l #	16
36) 1,1-Dichloropropene	7.713	75	24080	4.346	ug/l #	49
38) Carbon Tetrachloride	7.713	117	29340	4.874	ug/l #	18
49) 1,4-Dioxane	8.993	88	37	1.743	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	135028	44.201	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	135028	131.650	ug/l #	12

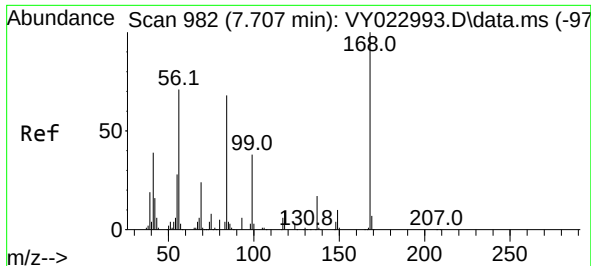
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072225\
Data File : VY023040.D
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Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBL01

Quant Time: Jul 23 02:01:42 2025
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Quant Title : SW846 8260
QLast Update : Sat Jul 19 01:50:49 2025
Response via : Initial Calibration

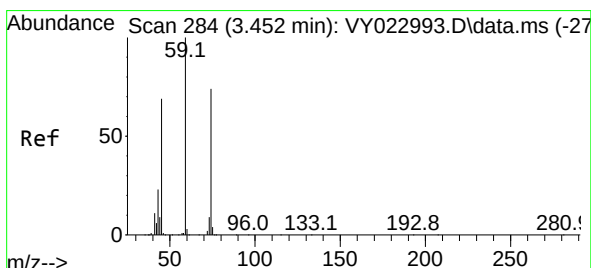
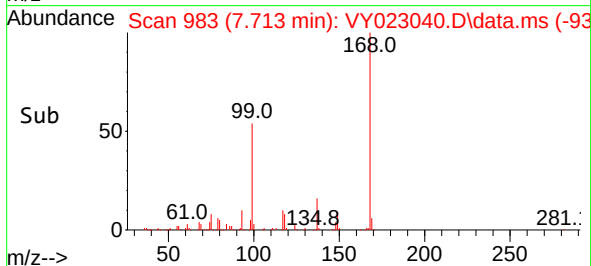
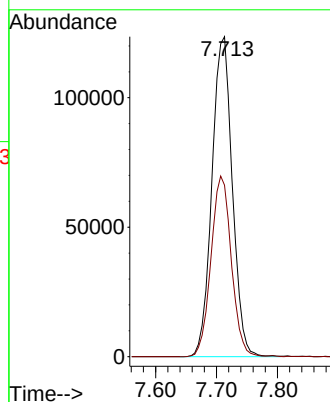
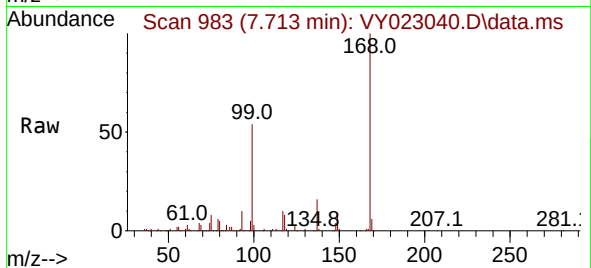




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023040.D
Acq: 22 Jul 2025 12:47

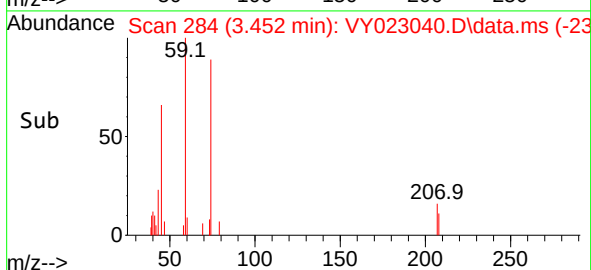
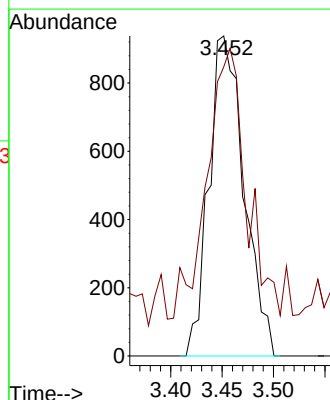
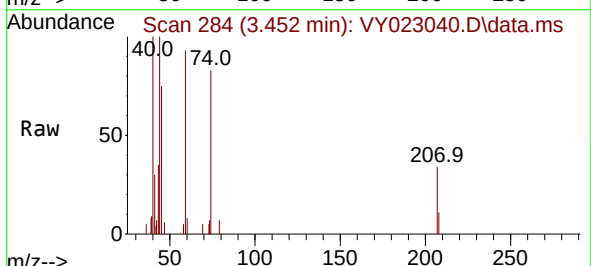
Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBL01

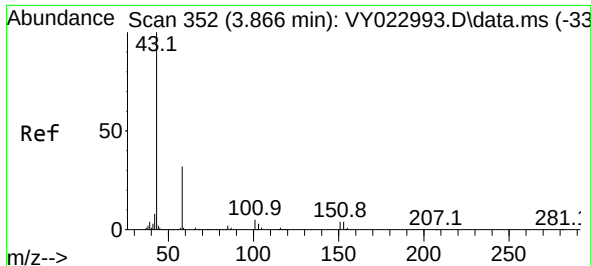
Tgt Ion:168 Resp: 287011
Ion Ratio Lower Upper
168 100
99 53.6 44.4 66.6



#8
Diethyl Ether
Concen: 1.397 ug/l
RT: 3.452 min Scan# 284
Delta R.T. -0.000 min
Lab File: VY023040.D
Acq: 22 Jul 2025 12:47

Tgt Ion: 74 Resp: 2228
Ion Ratio Lower Upper
74 100
45 94.2 45.1 135.2

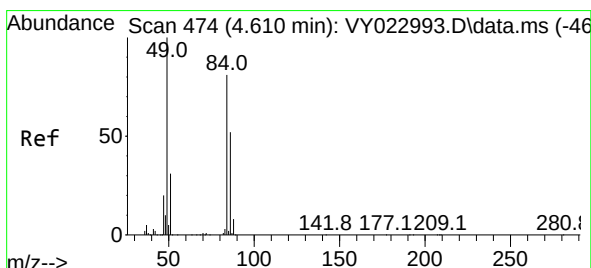
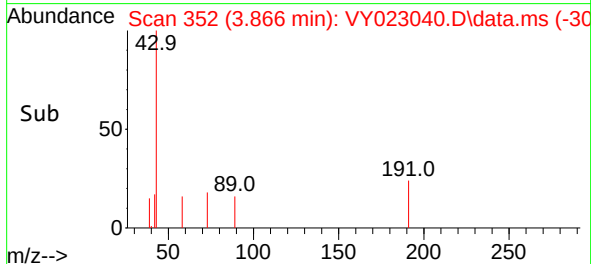
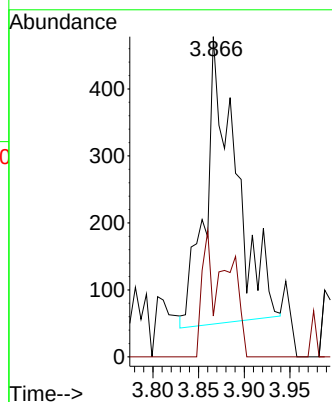
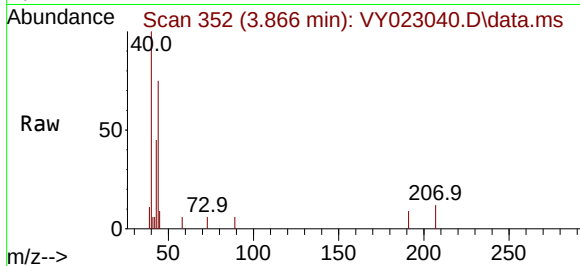




#16
Acetone
Concen: 1.878 ug/l
RT: 3.866 min Scan# 311
Delta R.T. -0.000 min
Lab File: VY023040.D
Acq: 22 Jul 2025 12:47

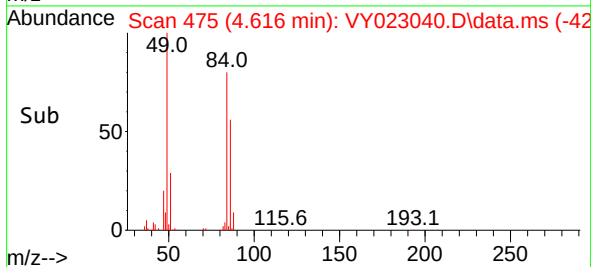
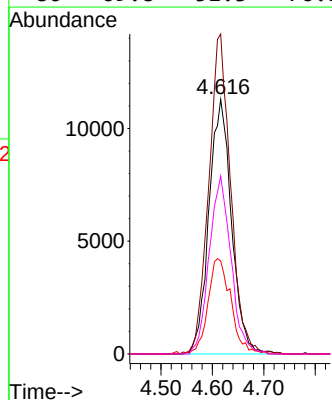
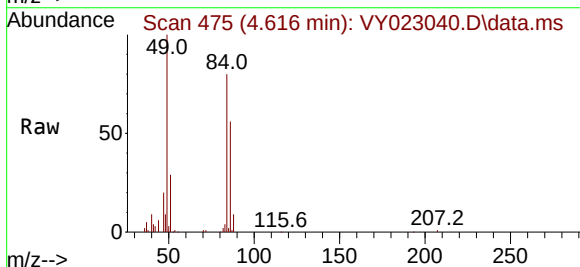
Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBL01

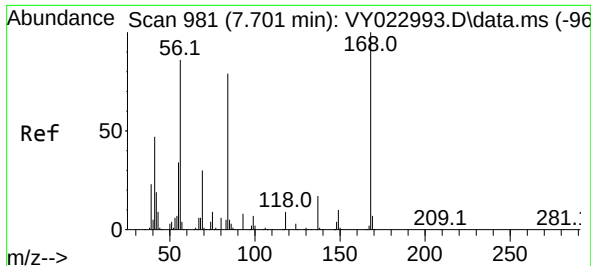
Tgt Ion: 43 Resp: 989
Ion Ratio Lower Upper
43 100
58 14.6 26.2 39.4#



#20
Methylene Chloride
Concen: 1.167 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY023040.D
Acq: 22 Jul 2025 12:47

Tgt Ion: 84 Resp: 34470
Ion Ratio Lower Upper
84 100
49 125.7 98.2 147.4
51 36.5 30.5 45.7
86 69.8 51.3 76.9

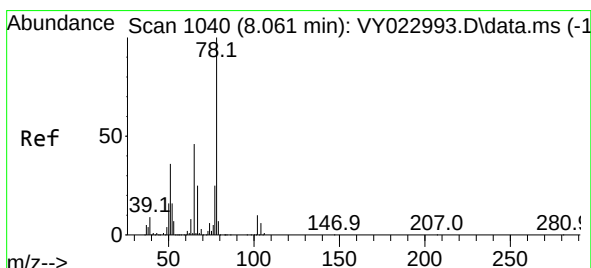
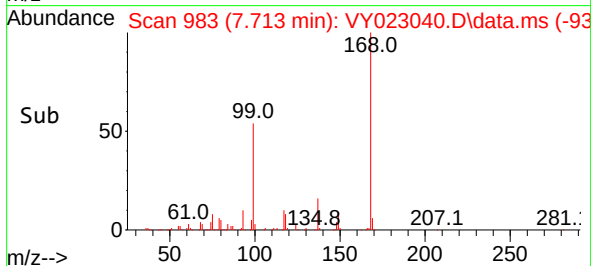
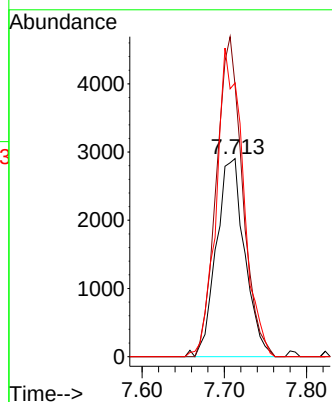
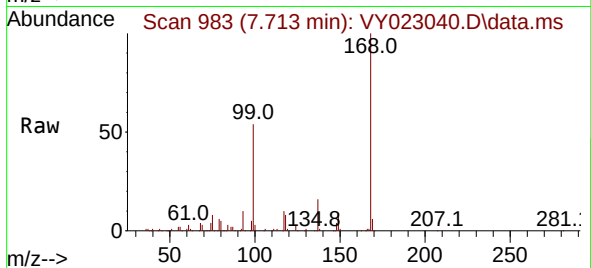




#31
Cyclohexane
Concen: 1.205 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY023040.D
Acq: 22 Jul 2025 12:47

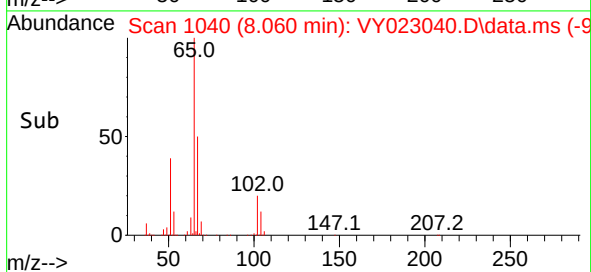
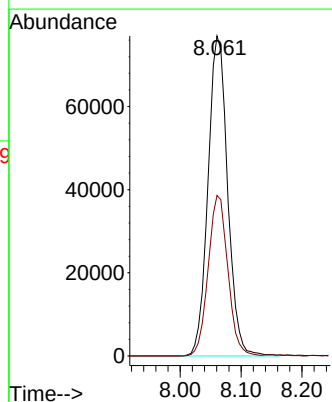
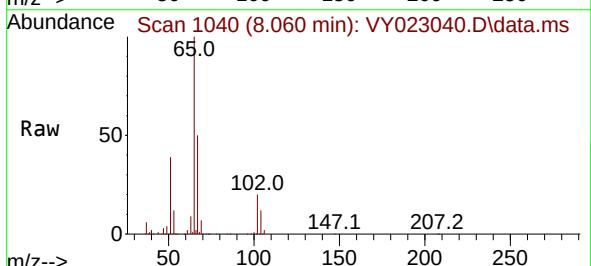
Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBL01

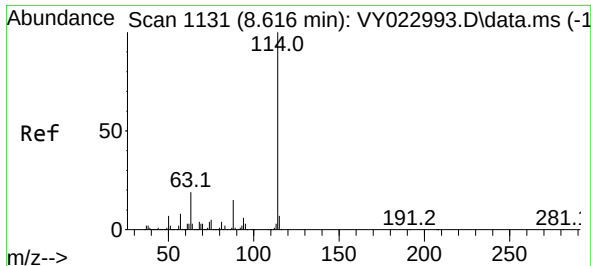
Tgt Ion: 56 Resp: 6973
Ion Ratio Lower Upper
56 100
69 137.0 28.1 42.1#
84 138.2 73.5 110.3#



#33
1,2-Dichloroethane-d4
Concen: 59.407 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023040.D
Acq: 22 Jul 2025 12:47

Tgt Ion: 65 Resp: 172608
Ion Ratio Lower Upper
65 100
67 50.2 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023040.D

Acq: 22 Jul 2025 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0722SBL01

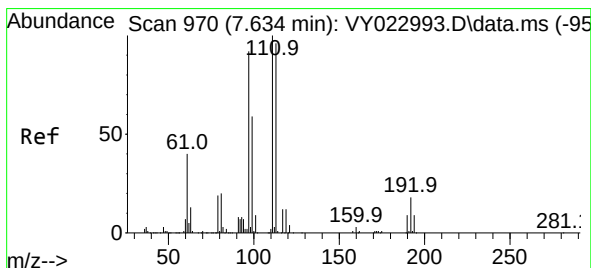
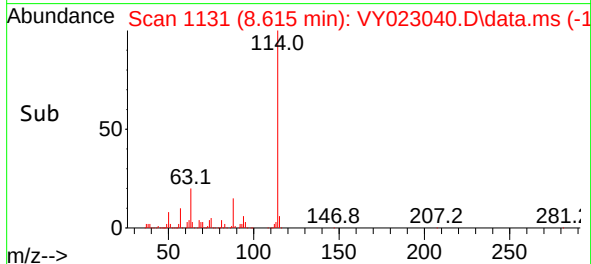
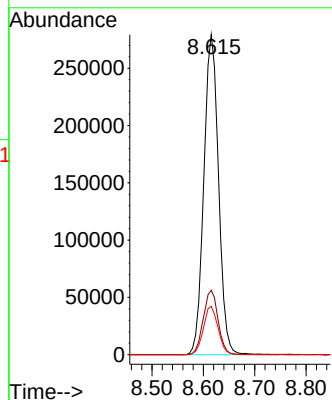
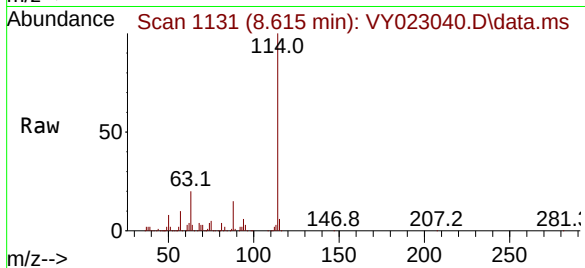
Tgt Ion:114 Resp: 554548

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.8

88 15.1 0.0 30.2



#35

Dibromofluoromethane

Concen: 51.445 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY023040.D

Acq: 22 Jul 2025 12:47

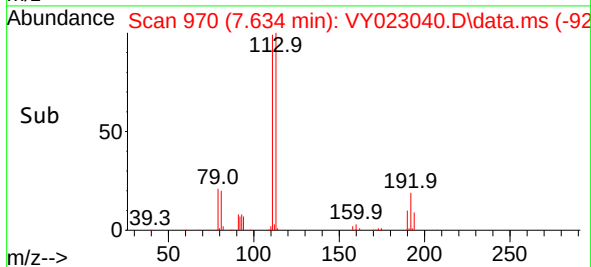
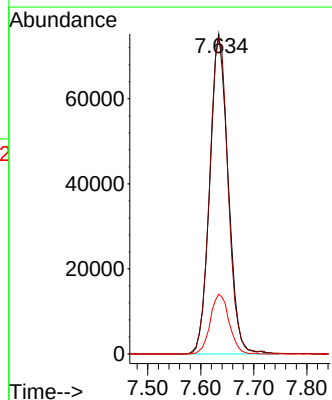
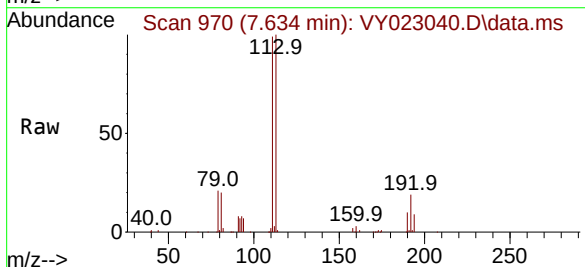
Tgt Ion:113 Resp: 180967

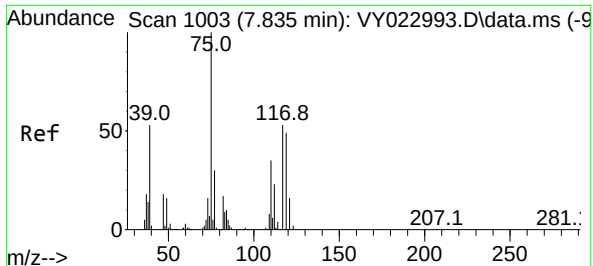
Ion Ratio Lower Upper

113 100

111 100.1 83.2 124.8

192 19.2 15.3 22.9





#36

1,1-Dichloropropene

Concen: 4.346 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY023040.D

Acq: 22 Jul 2025 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0722SBL01

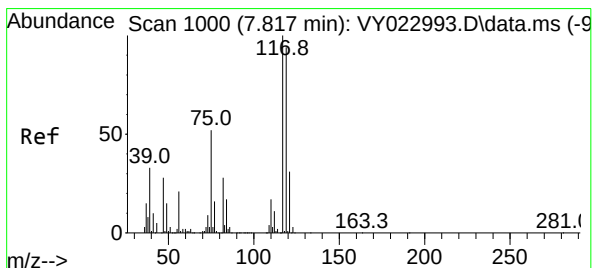
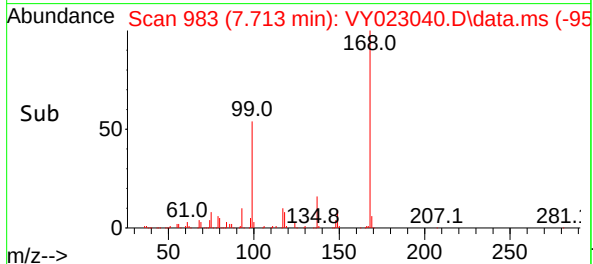
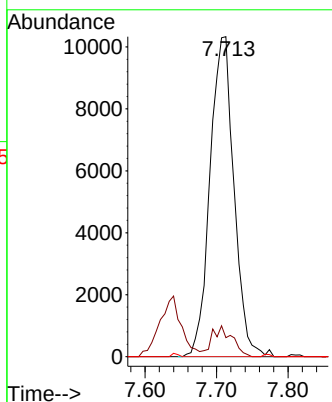
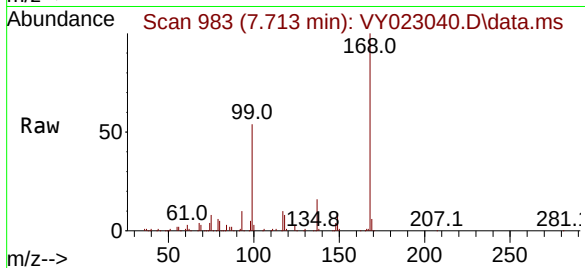
Tgt Ion: 75 Resp: 24080

Ion Ratio Lower Upper

75 100

110 8.1 17.3 51.9#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 4.874 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023040.D

Acq: 22 Jul 2025 12:47

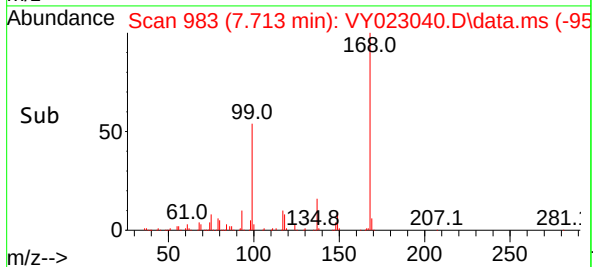
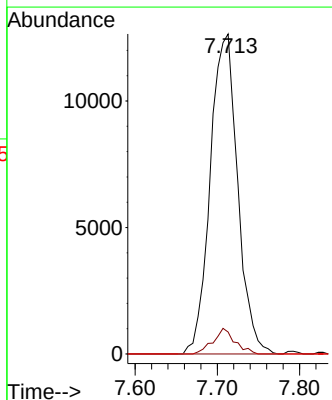
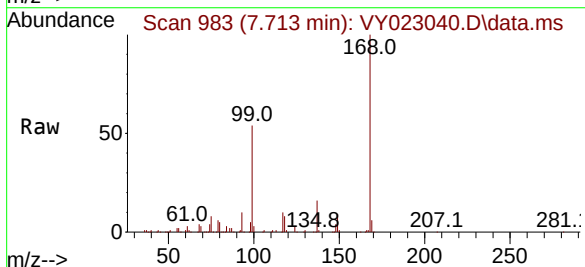
Tgt Ion: 117 Resp: 29340

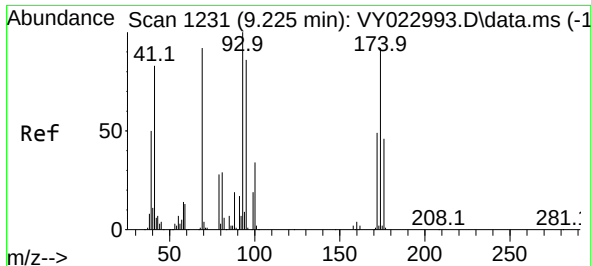
Ion Ratio Lower Upper

117 100

119 6.9 74.9 112.3#

121 0.0 24.6 37.0#





#49

1,4-Dioxane

Concen: 1.743 ug/l

RT: 8.993 min Scan# 1193

Delta R.T. -0.232 min

Lab File: VY023040.D

Acq: 22 Jul 2025 12:47

Instrument :

MSVOA_Y

ClientSampleId :

VY0722SBL01

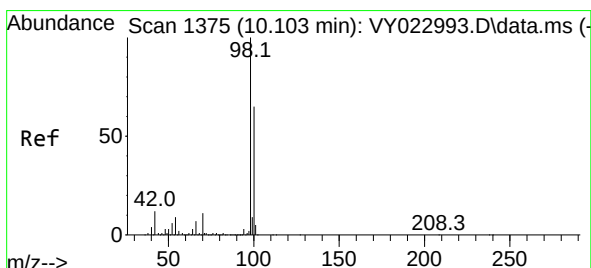
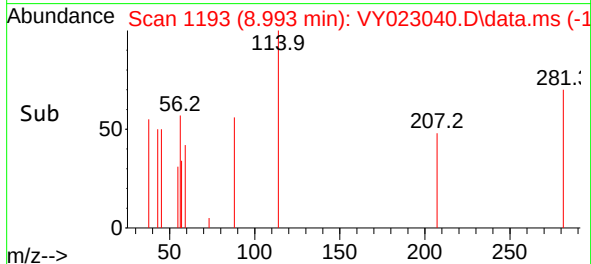
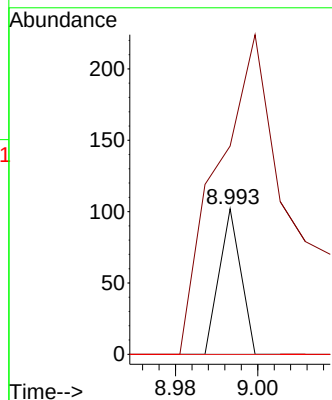
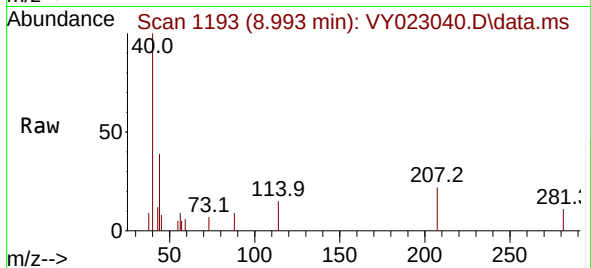
Tgt Ion: 88 Resp: 37

Ion Ratio Lower Upper

88 100

43 737.8 28.7 43.1#

58 0.0 59.8 89.6#



#50

Toluene-d8

Concen: 49.055 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023040.D

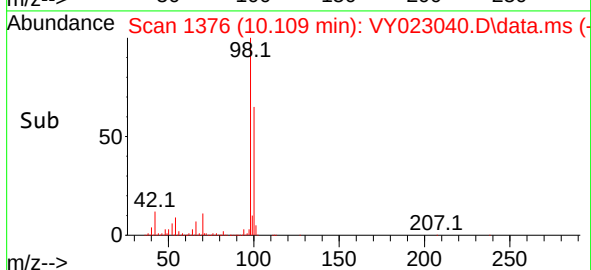
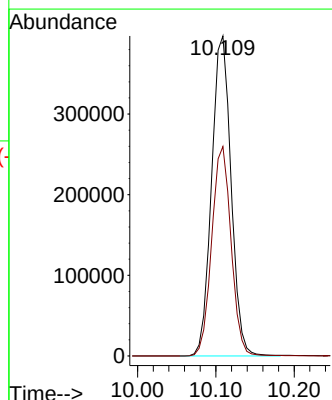
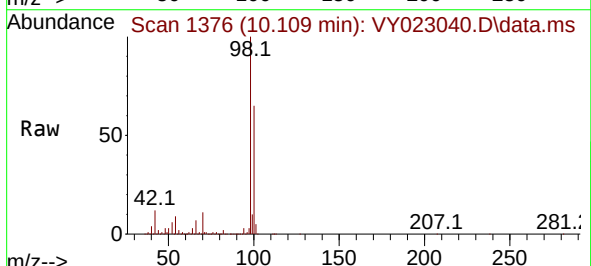
Acq: 22 Jul 2025 12:47

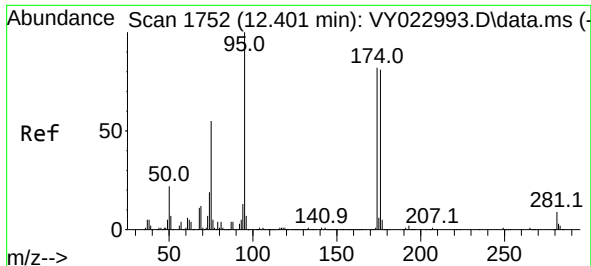
Tgt Ion: 98 Resp: 684309

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.2

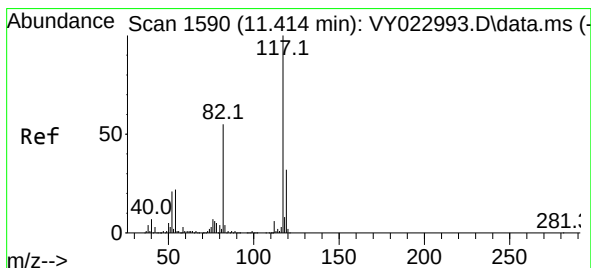
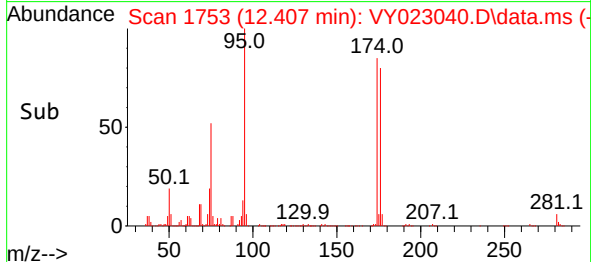
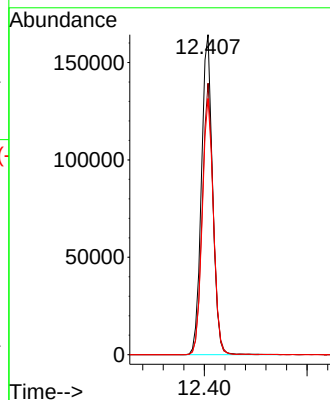
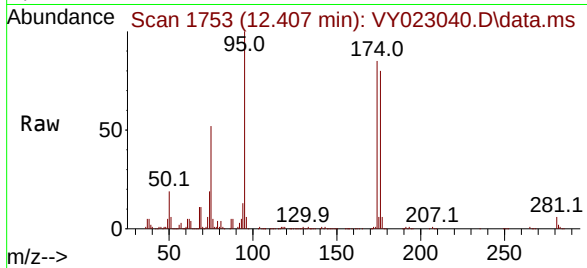




#62
4-Bromofluorobenzene
Concen: 56.120 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023040.D
Acq: 22 Jul 2025 12:47

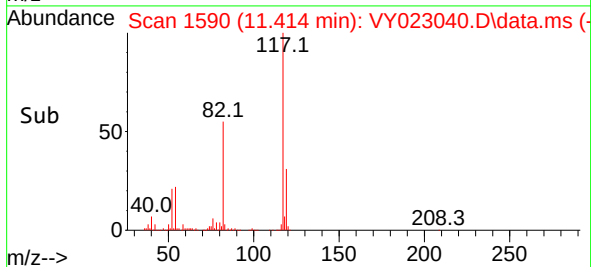
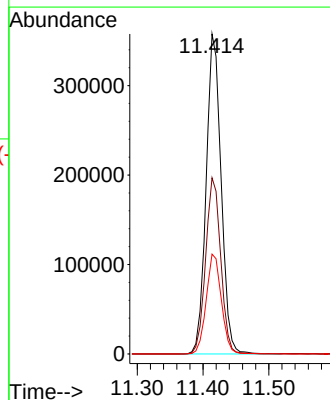
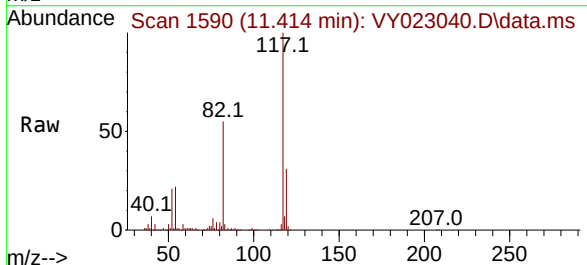
Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBL01

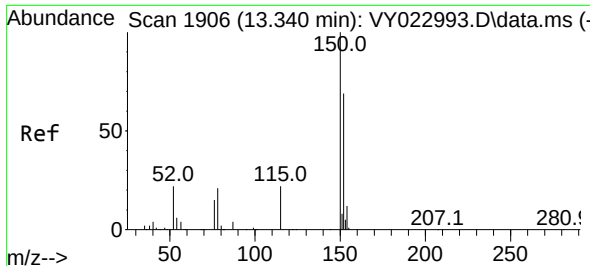
Tgt Ion: 95 Resp: 246433
Ion Ratio Lower Upper
95 100
174 83.5 0.0 170.8
176 80.1 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023040.D
Acq: 22 Jul 2025 12:47

Tgt Ion: 117 Resp: 566307
Ion Ratio Lower Upper
117 100
82 55.1 44.3 66.5
119 31.2 25.8 38.8

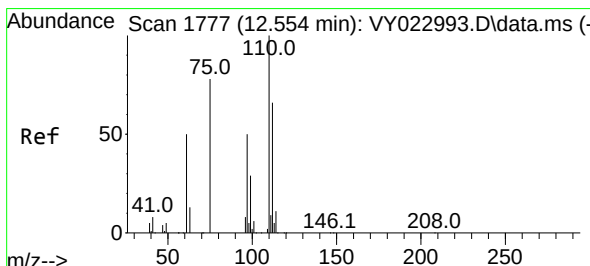
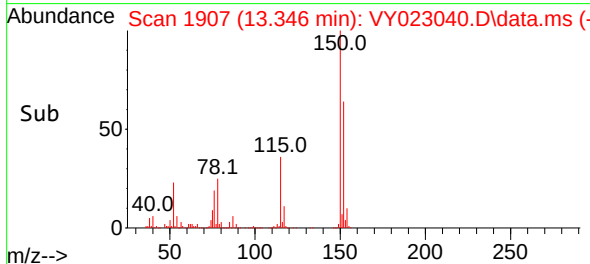
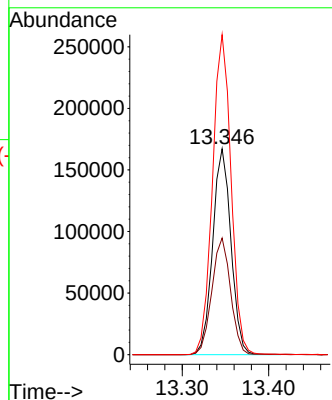
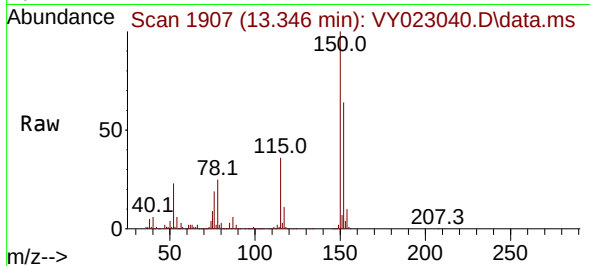




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1906
 Delta R.T. 0.006 min
 Lab File: VY023040.D
 Acq: 22 Jul 2025 12:47

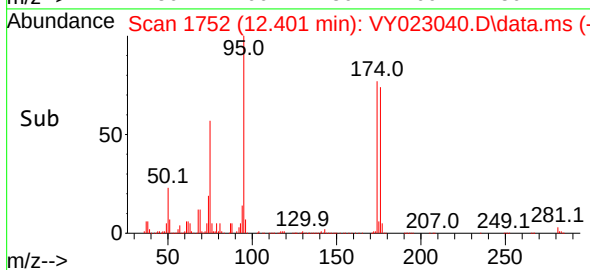
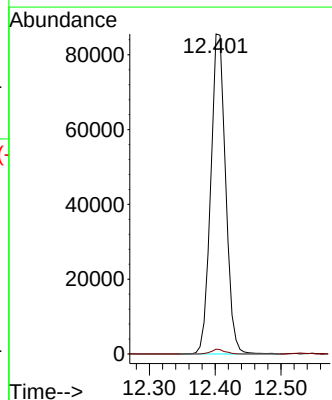
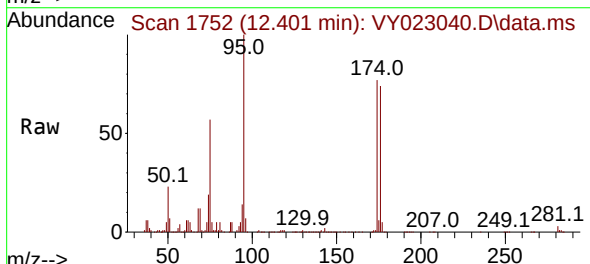
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0722SBL01

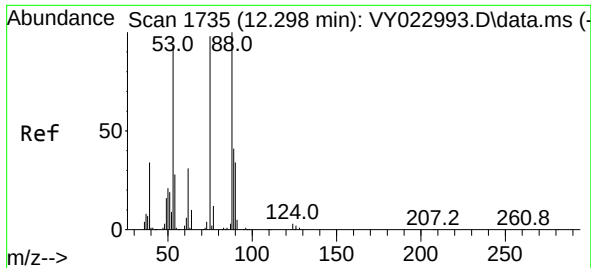
Tgt Ion:152 Resp: 245159
 Ion Ratio Lower Upper
 152 100
 115 58.2 29.4 88.2
 150 158.1 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 44.201 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY023040.D
 Acq: 22 Jul 2025 12:47

Tgt Ion: 75 Resp: 135028
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 131.650 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY023040.D
Acq: 22 Jul 2025 12:47

Instrument :
MSVOA_Y
ClientSampleId :
VY0722SBL01

Tgt Ion: 75 Resp: 135028
Ion Ratio Lower Upper
75 100
53 0.2 76.1 114.1#
89 0.1 36.1 54.1#

