

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062525\
 Data File : VY022816.D
 Acq On : 25 Jun 2025 11:48
 Operator : SY/MD
 Sample : Q2398-06
 Misc : 4.66g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ARS20-0036

Quant Time: Jun 26 01:24:16 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)

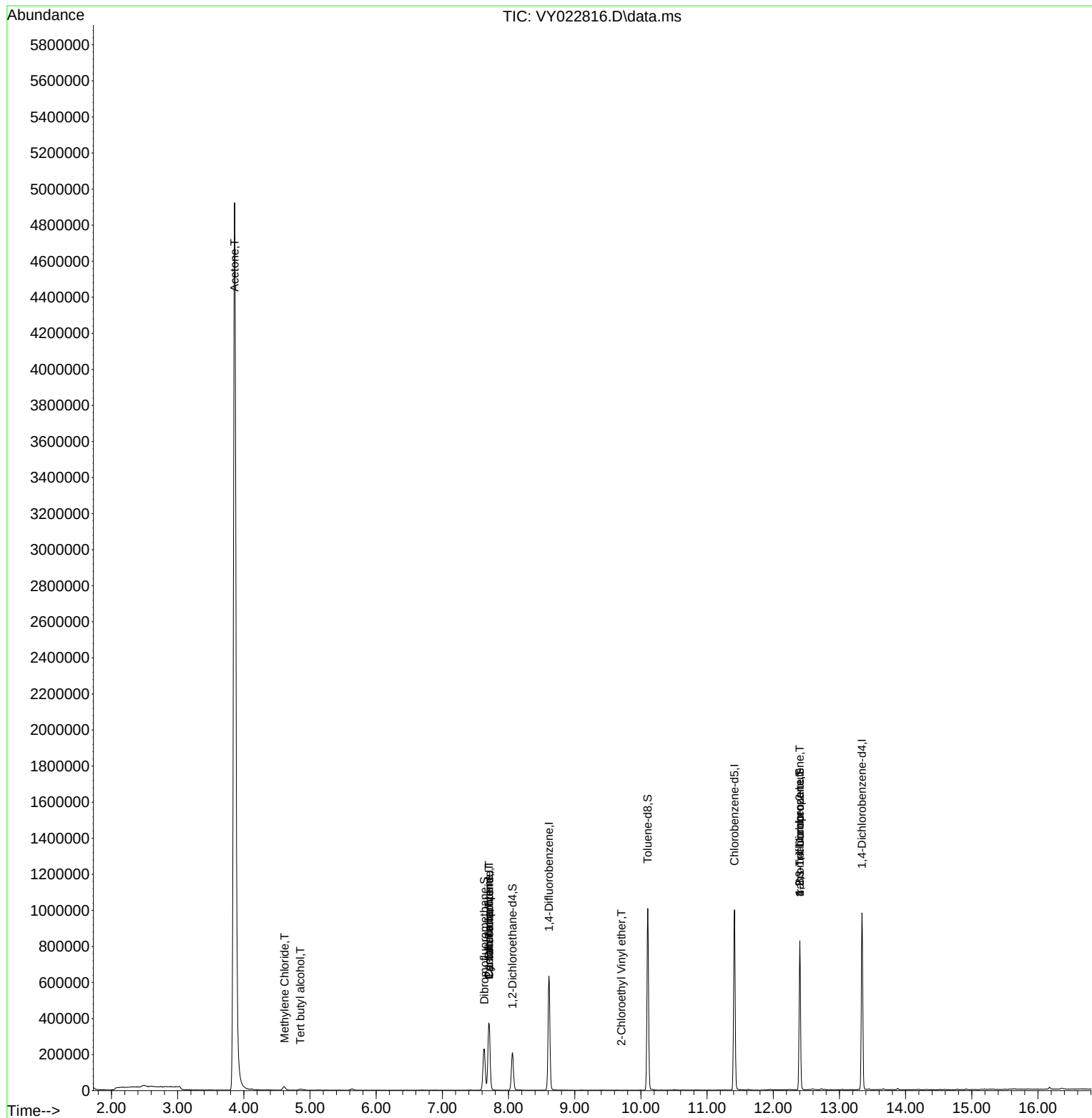
Internal Standards						
1) Pentafluorobenzene	7.707	168	288161	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	532485	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	518667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	238840	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	163900	50.961	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.920%	
35) Dibromofluoromethane	7.634	113	164320	50.742	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.480%	
50) Toluene-d8	10.103	98	634923	49.410	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.820%	
62) 4-Bromofluorobenzene	12.402	95	231454	56.030	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 112.060%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	10381	48.543	ug/l	96
16) Acetone	3.860	43	8489471	13965.688	ug/l	95
20) Methylene Chloride	4.616	84	13782	3.590	ug/l #	81
31) Cyclohexane	7.701	56	6897	1.249	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	24632	5.018	ug/l #	50
38) Carbon Tetrachloride	7.707	117	30159	5.823	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.707	63	22	15.666	ug/l #	48
76) 1,2,3-Trichloropropane	12.402	75	129634	53.165	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	129634	134.314	ug/l #	11

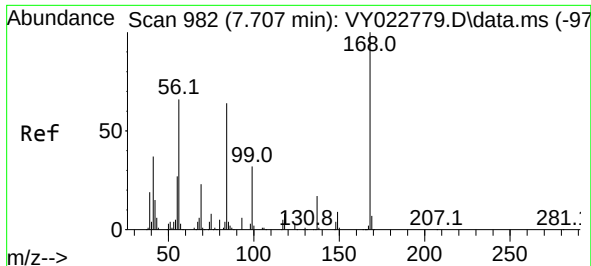
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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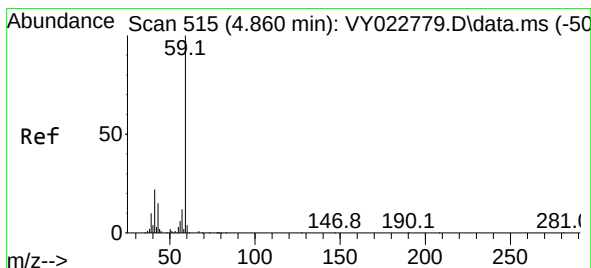
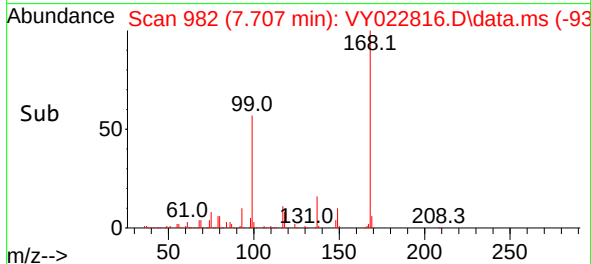
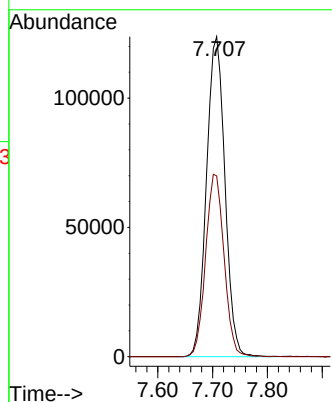
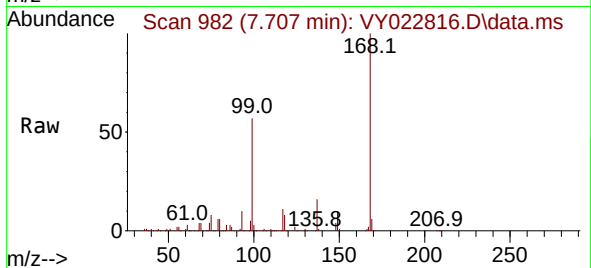




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022816.D
Acq: 25 Jun 2025 11:48

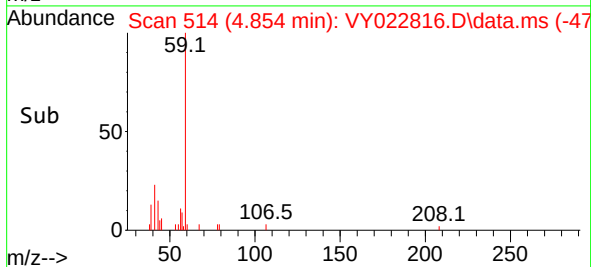
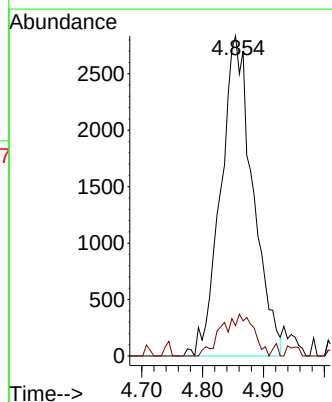
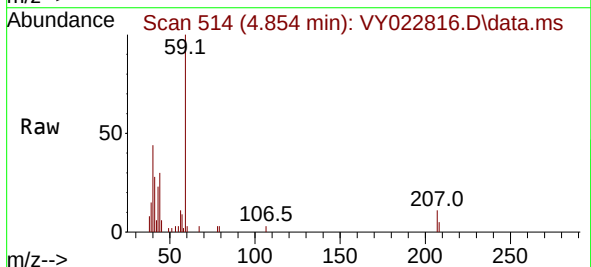
Instrument :
MSVOA_Y
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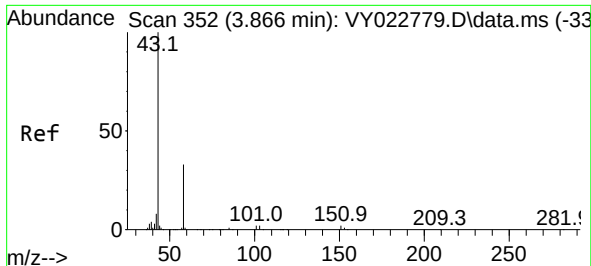
Tgt Ion:168 Resp: 288161
Ion Ratio Lower Upper
168 100
99 56.5 44.3 66.5



#11
Tert butyl alcohol
Concen: 48.543 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.030 min
Lab File: VY022816.D
Acq: 25 Jun 2025 11:48

Tgt Ion: 59 Resp: 10381
Ion Ratio Lower Upper
59 100
57 8.6 8.0 12.0

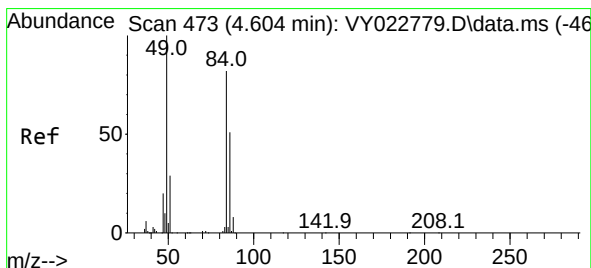
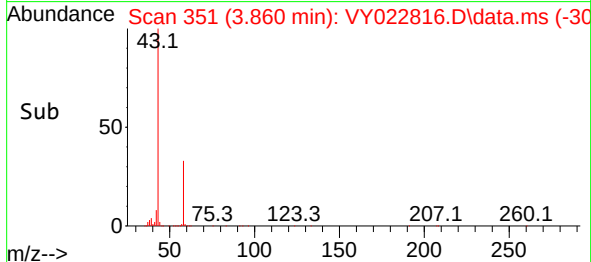
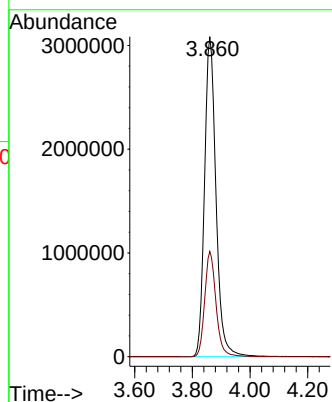
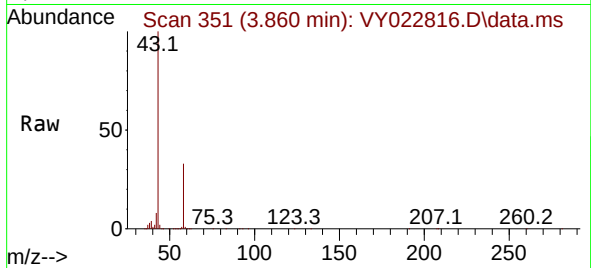




#16
Acetone
Concen: 13965.688 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY022816.D
Acq: 25 Jun 2025 11:48

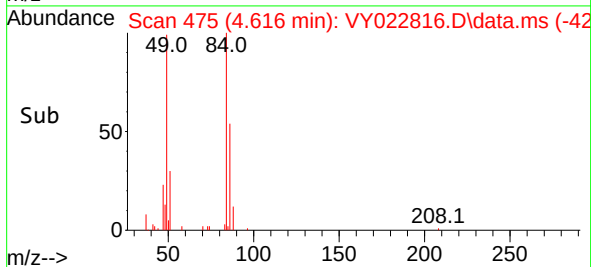
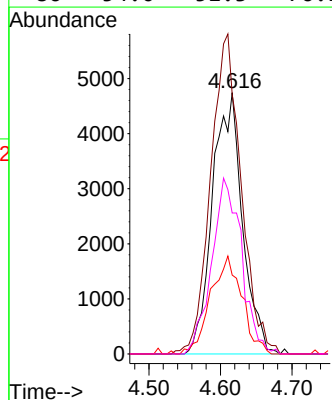
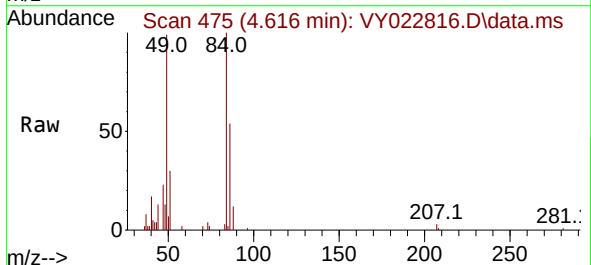
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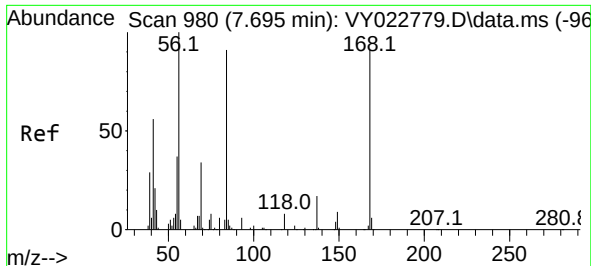
Tgt Ion: 43 Resp: 8489471
Ion Ratio Lower Upper
43 100
58 32.9 24.0 36.0



#20
Methylene Chloride
Concen: 3.590 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022816.D
Acq: 25 Jun 2025 11:48

Tgt Ion: 84 Resp: 13782
Ion Ratio Lower Upper
84 100
49 99.3 101.9 152.9#
51 30.2 29.8 44.8
86 54.0 51.3 76.9

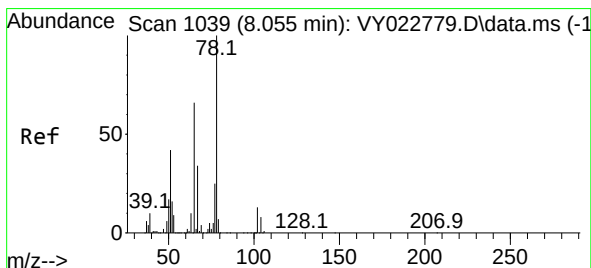
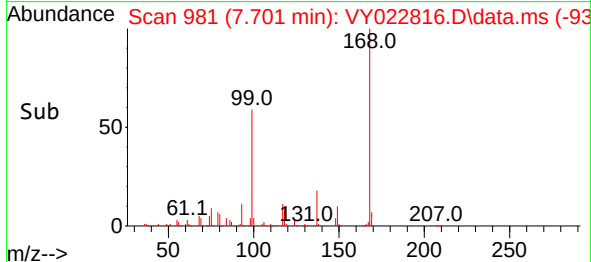
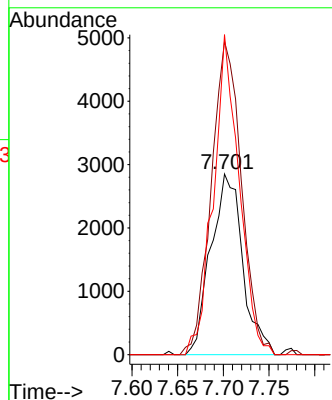
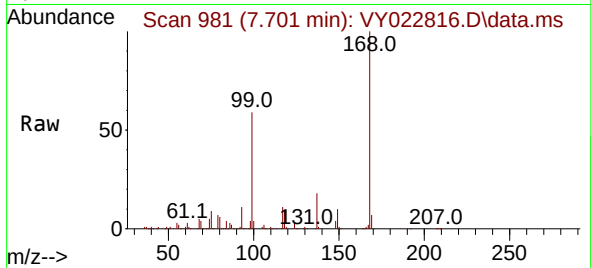




#31
Cyclohexane
Concen: 1.249 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022816.D
Acq: 25 Jun 2025 11:48

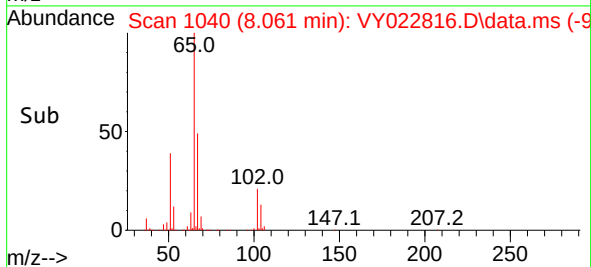
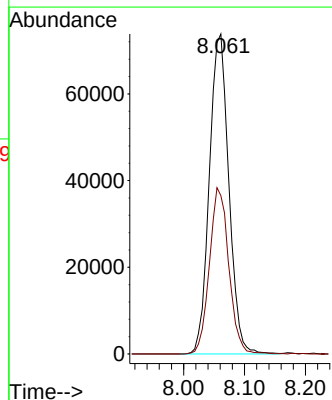
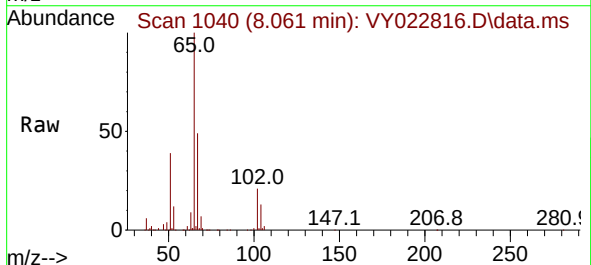
Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0036

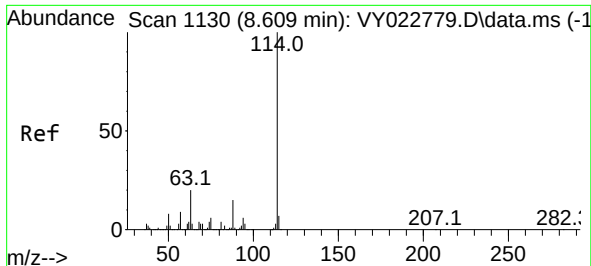
Tgt Ion: 56 Resp: 6897
Ion Ratio Lower Upper
56 100
69 173.4 27.0 40.6#
84 177.1 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 50.961 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022816.D
Acq: 25 Jun 2025 11:48

Tgt Ion: 65 Resp: 163900
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.4

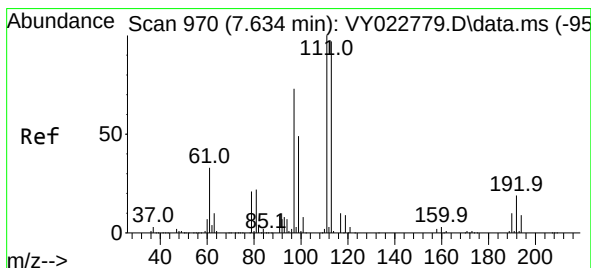
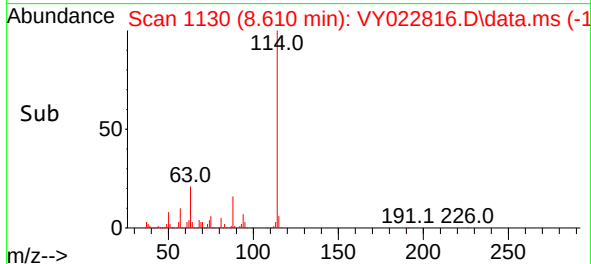
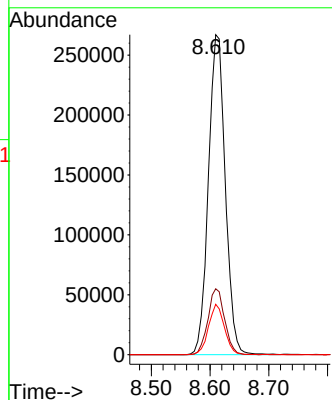
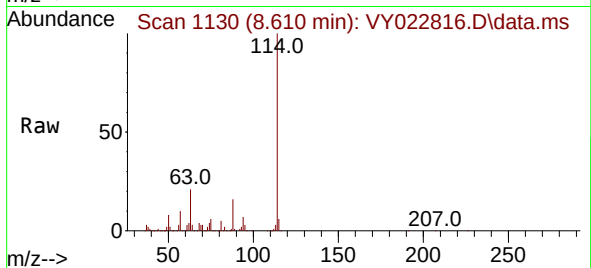




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022816.D
Acq: 25 Jun 2025 11:48

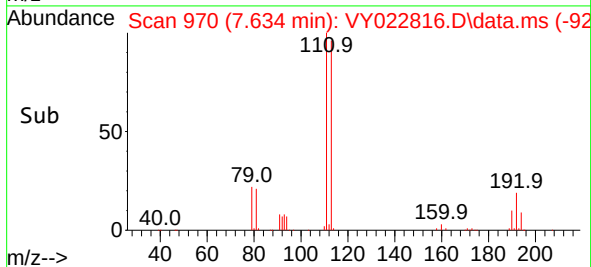
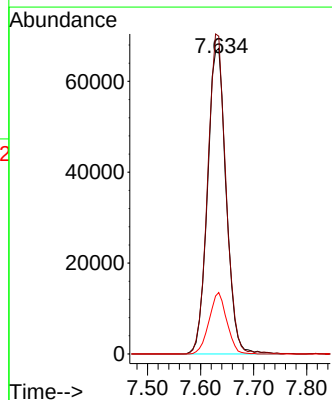
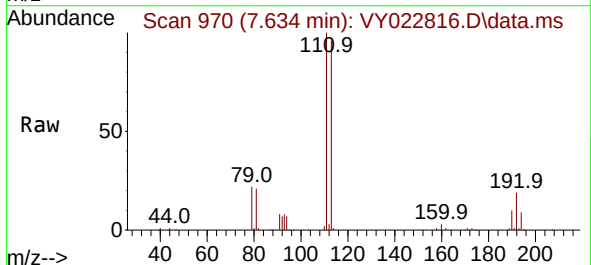
Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0036

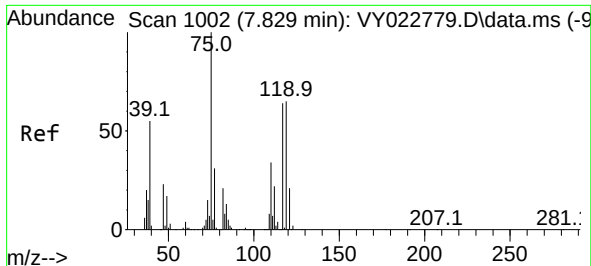
Tgt Ion:114 Resp: 532485
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 15.7 0.0 27.8



#35
Dibromofluoromethane
Concen: 50.742 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022816.D
Acq: 25 Jun 2025 11:48

Tgt Ion:113 Resp: 164320
Ion Ratio Lower Upper
113 100
111 102.3 81.1 121.7
192 19.1 14.2 21.2

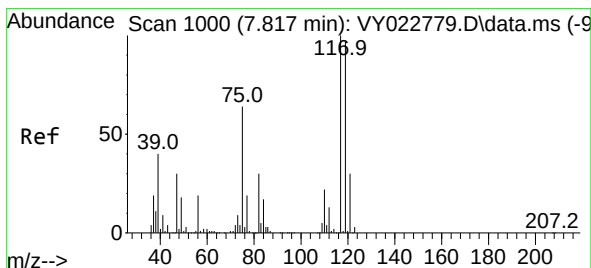
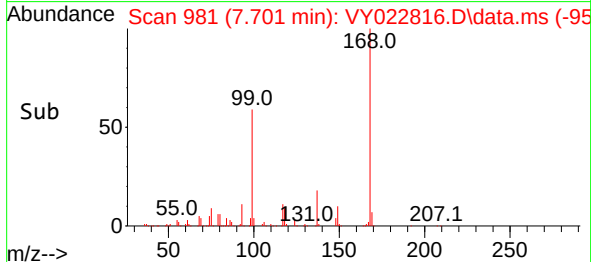
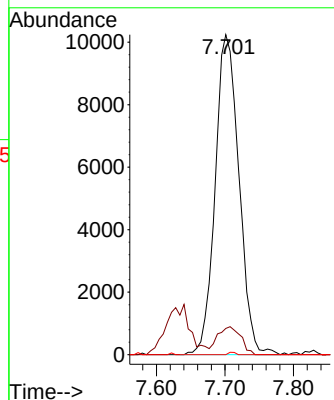
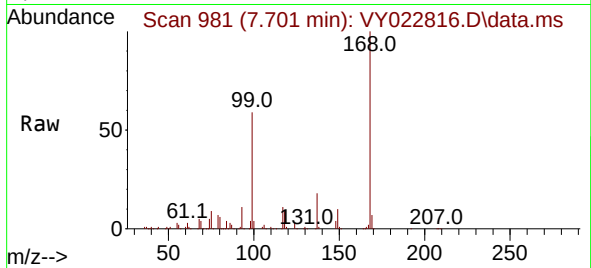




#36
 1,1-Dichloropropene
 Concen: 5.018 ug/l
 RT: 7.701 min Scan# 981
 Delta R.T. -0.140 min
 Lab File: VY022816.D
 Acq: 25 Jun 2025 11:48

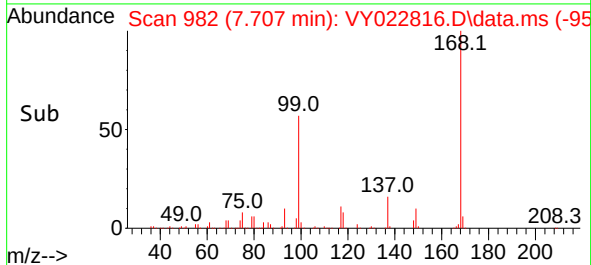
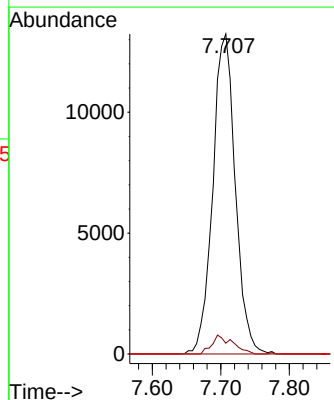
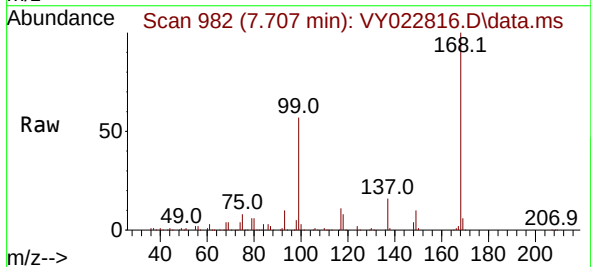
Instrument :
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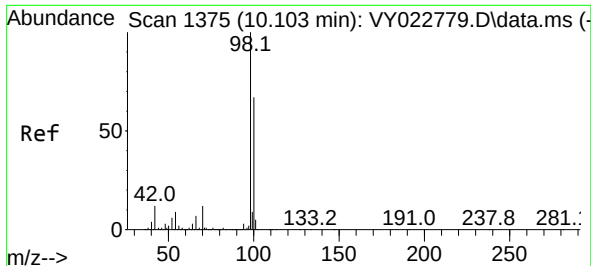
Tgt Ion: 75 Resp: 24632
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.9 50.7#
 77 0.2 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.823 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.116 min
 Lab File: VY022816.D
 Acq: 25 Jun 2025 11:48

Tgt Ion: 117 Resp: 30159
 Ion Ratio Lower Upper
 117 100
 119 3.4 75.0 112.6#
 121 0.0 25.0 37.4#

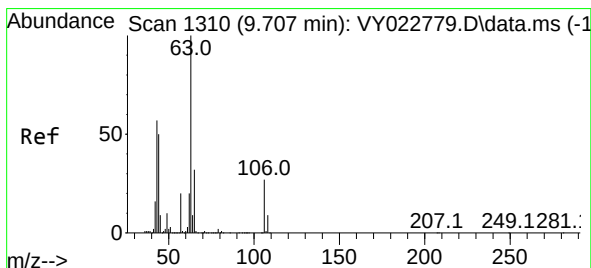
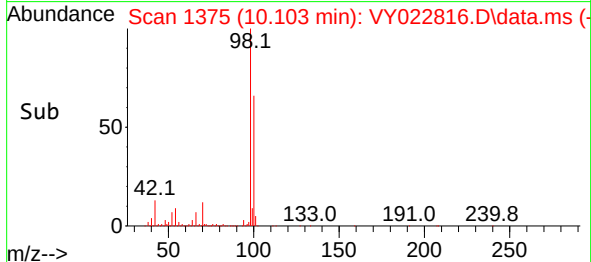
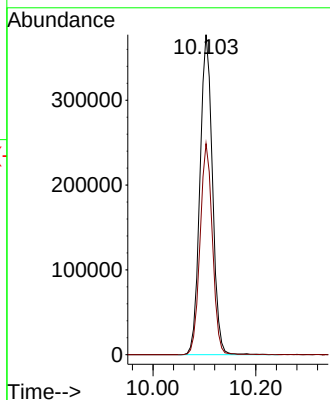
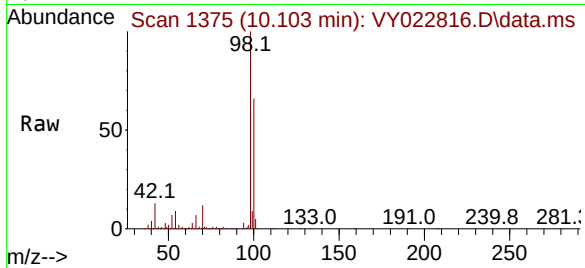




#50
Toluene-d8
Concen: 49.410 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022816.D
Acq: 25 Jun 2025 11:48

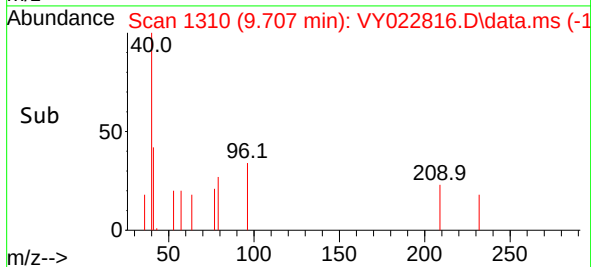
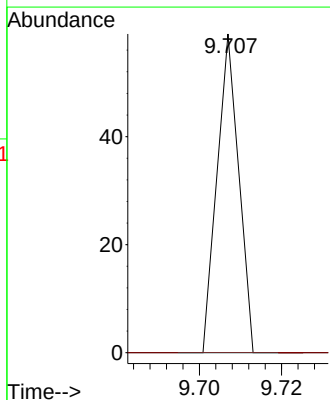
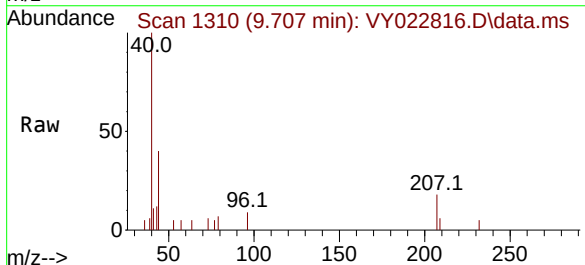
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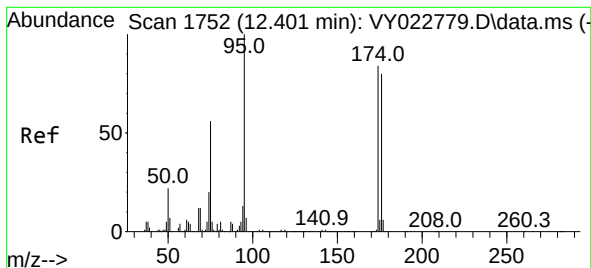
Tgt Ion: 98 Resp: 634923
Ion Ratio Lower Upper
98 100
100 65.2 51.4 77.0



#58
2-Chloroethyl Vinyl ether
Concen: 15.666 ug/l
RT: 9.707 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VY022816.D
Acq: 25 Jun 2025 11:48

Tgt Ion: 63 Resp: 22
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

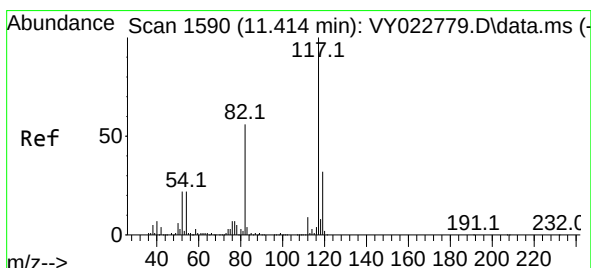
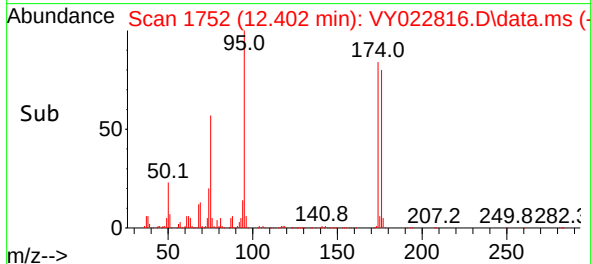
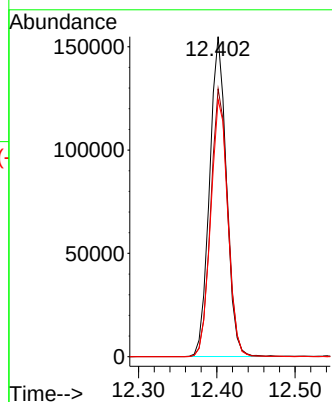
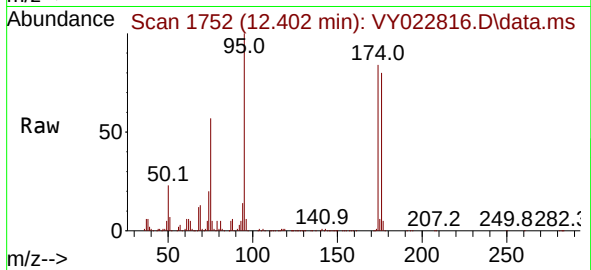




#62
4-Bromofluorobenzene
Concen: 56.030 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022816.D
Acq: 25 Jun 2025 11:48

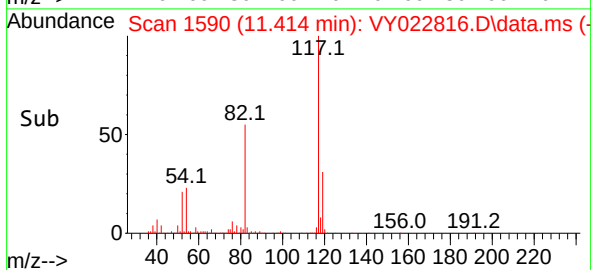
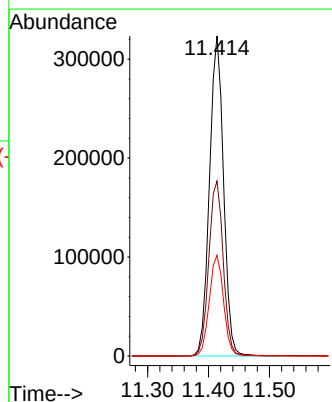
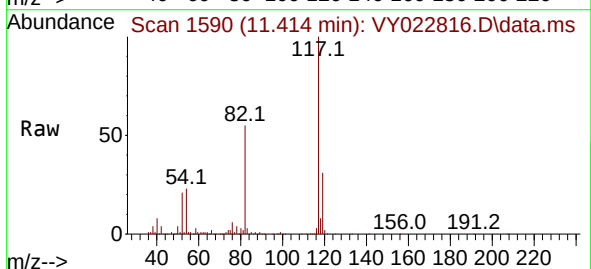
Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0036

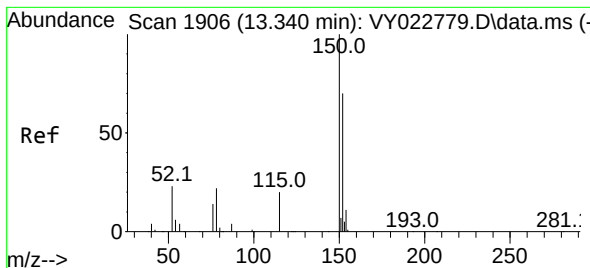
Tgt Ion: 95 Resp: 231454
Ion Ratio Lower Upper
95 100
174 85.1 0.0 170.0
176 81.7 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022816.D
Acq: 25 Jun 2025 11:48

Tgt Ion: 117 Resp: 518667
Ion Ratio Lower Upper
117 100
82 54.7 44.6 66.8
119 31.4 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: VY022816.D

Acq: 25 Jun 2025 11:48

Instrument :

MSVOA_Y

ClientSampleId :

ARS20-0036

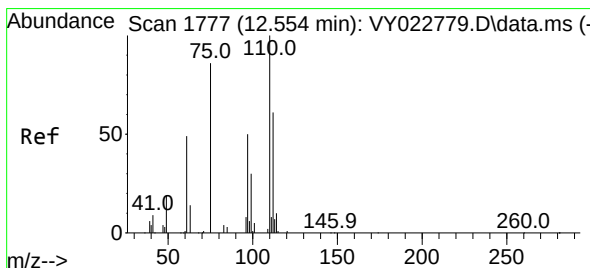
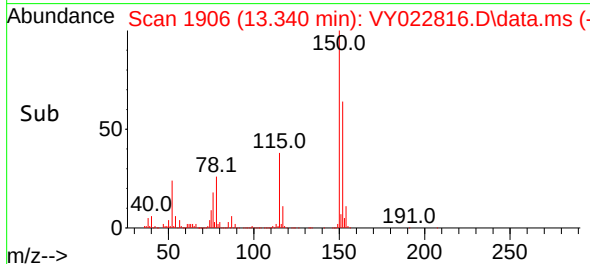
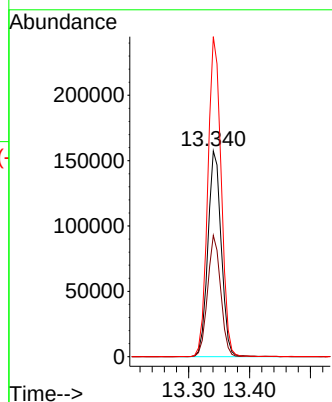
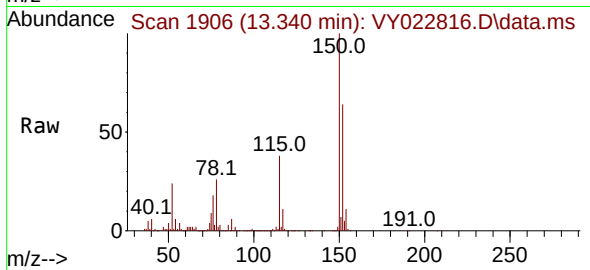
Tgt Ion:152 Resp: 238840

Ion Ratio Lower Upper

152 100

115 57.8 28.9 86.7

150 155.8 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 53.165 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022816.D

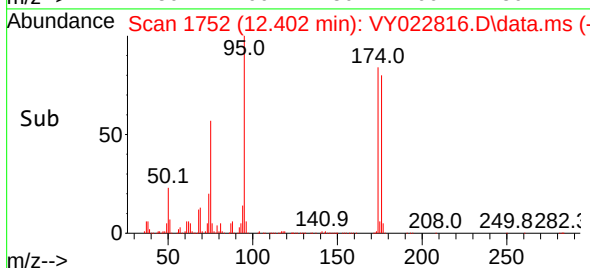
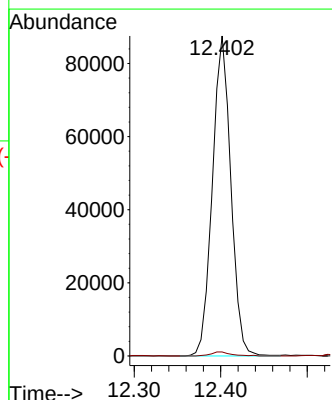
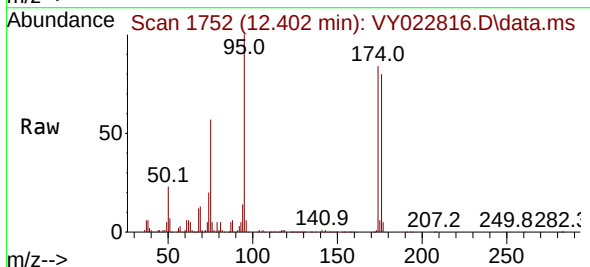
Acq: 25 Jun 2025 11:48

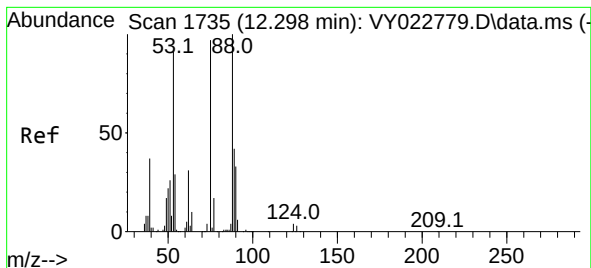
Tgt Ion: 75 Resp: 129634

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.314 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022816.D
 Acq: 25 Jun 2025 11:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 ARS20-0036

Tgt Ion: 75 Resp: 129634
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.2 35.7 53.5#

