

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101425\
 Data File : VY023457.D
 Acq On : 14 Oct 2025 11:56
 Operator : SY/MD
 Sample : VY1014SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1014SBL01

Quant Time: Oct 15 03:25:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

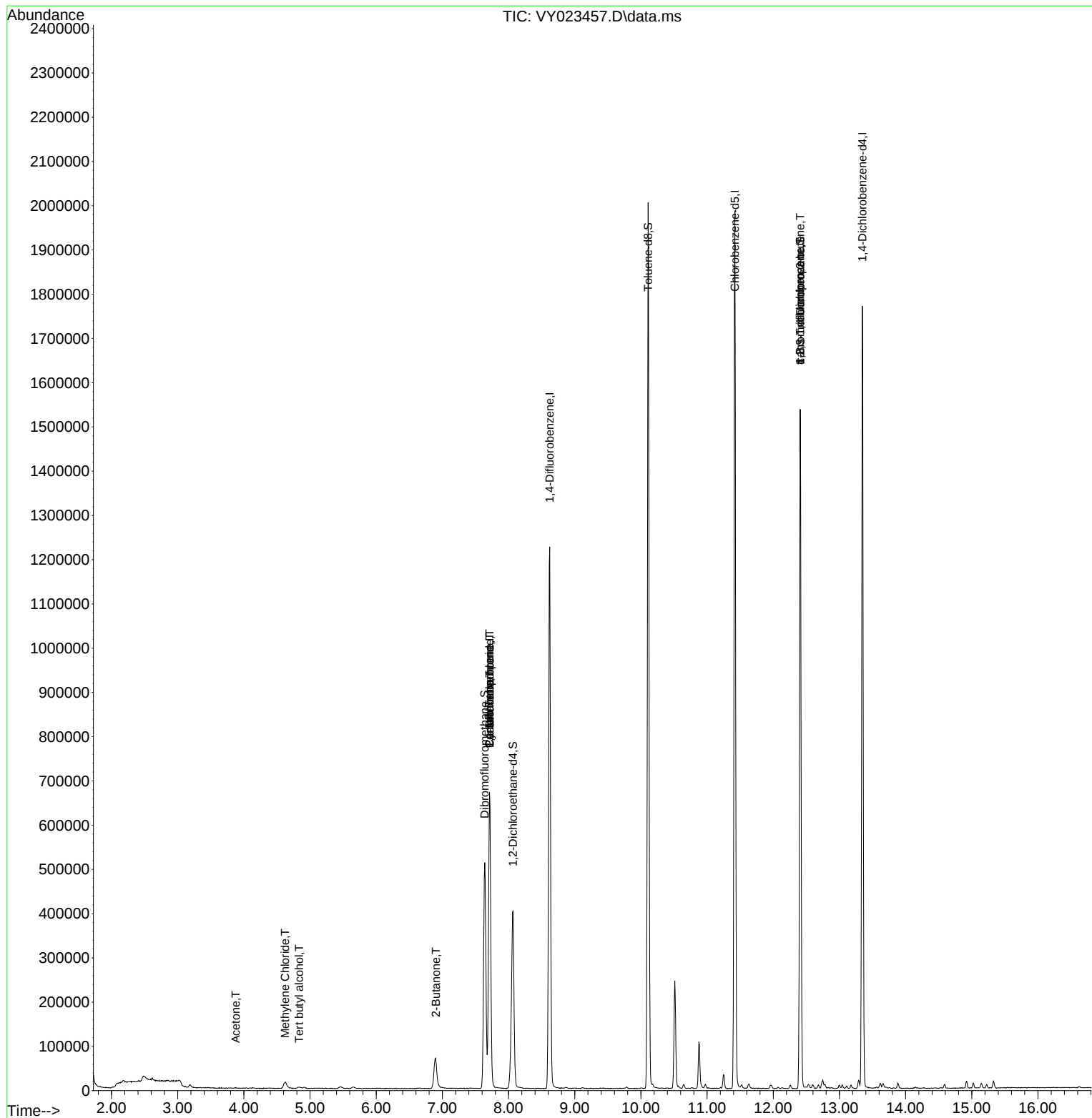
Internal Standards						
1) Pentafluorobenzene	7.713	168	564646	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	1109577	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1120800	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	479501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	279949	59.290	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.580%	
35) Dibromofluoromethane	7.640	113	369730	54.230	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.460%	
50) Toluene-d8	10.109	98	1318326	51.923	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.840%	
62) 4-Bromofluorobenzene	12.407	95	436769	52.104	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.200%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.835	59	3435	9.779	ug/l #	72
16) Acetone	3.878	43	1295	1.152	ug/l #	77
20) Methylene Chloride	4.622	84	11175	1.838	ug/l	95
25) 2-Butanone	6.902	43	3753	2.735	ug/l #	88
31) Cyclohexane	7.713	56	9762	1.243	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	37328	4.136	ug/l #	48
38) Carbon Tetrachloride	7.713	117	52647	4.810	ug/l #	16
76) 1,2,3-Trichloropropane	12.407	75	215302	50.893	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	215302	124.799	ug/l #	15

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

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Response via : Initial Calibration

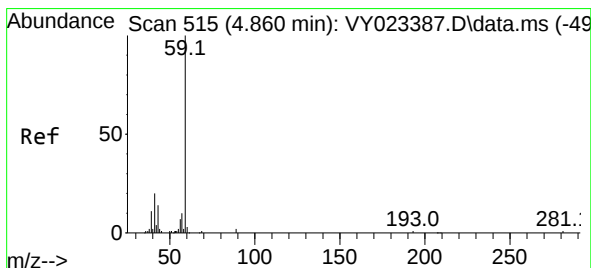
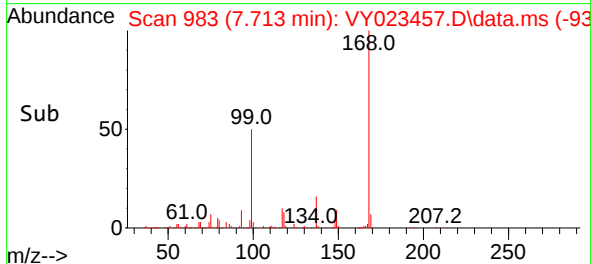
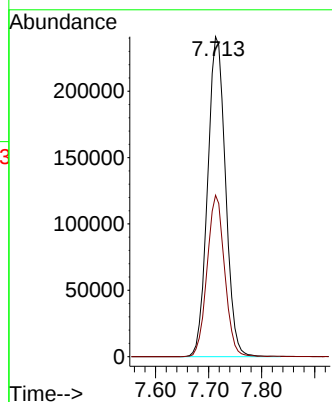
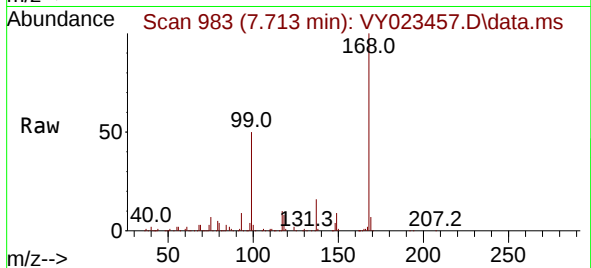




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023457.D
Acq: 14 Oct 2025 11:56

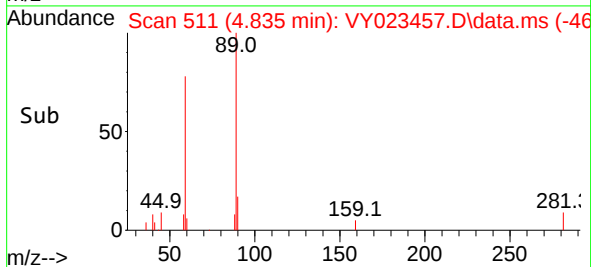
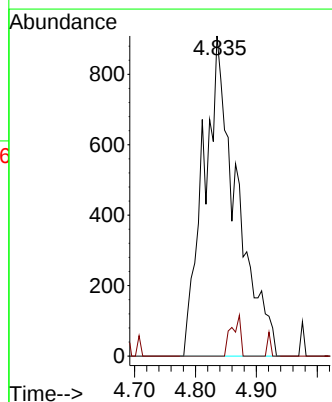
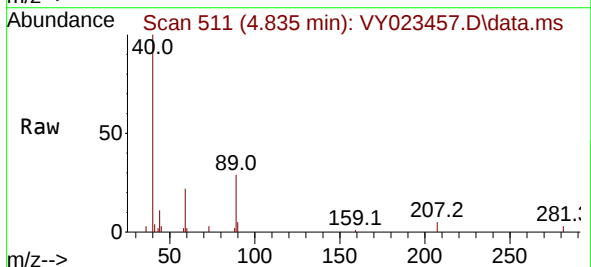
Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBL01

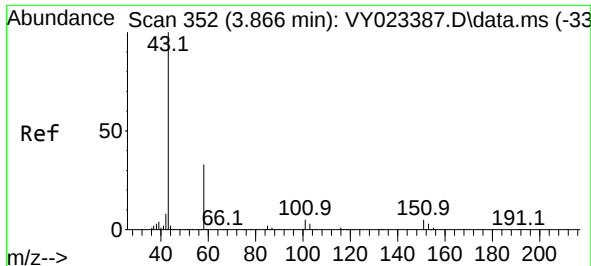
Tgt Ion:168 Resp: 564646
Ion Ratio Lower Upper
168 100
99 50.4 39.7 59.5



#11
Tert butyl alcohol
Concen: 9.779 ug/l
RT: 4.835 min Scan# 511
Delta R.T. -0.025 min
Lab File: VY023457.D
Acq: 14 Oct 2025 11:56

Tgt Ion: 59 Resp: 3435
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

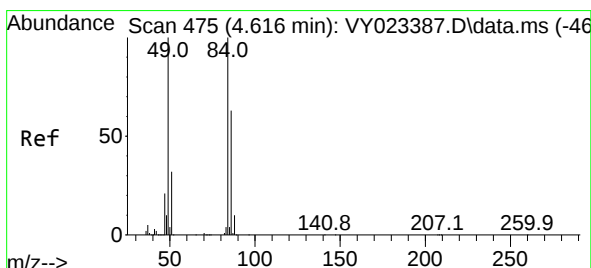
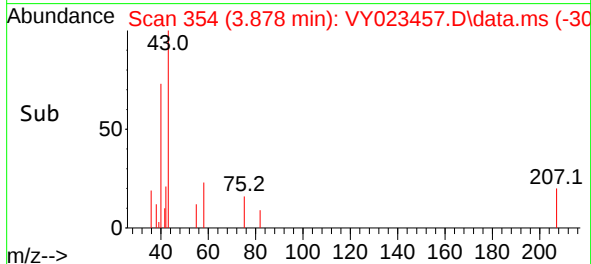
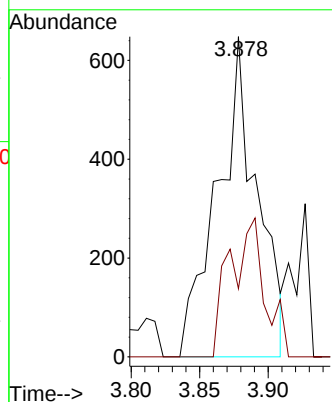
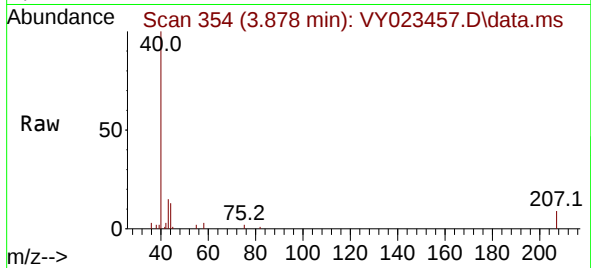




#16
Acetone
Concen: 1.152 ug/l
RT: 3.878 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY023457.D
Acq: 14 Oct 2025 11:56

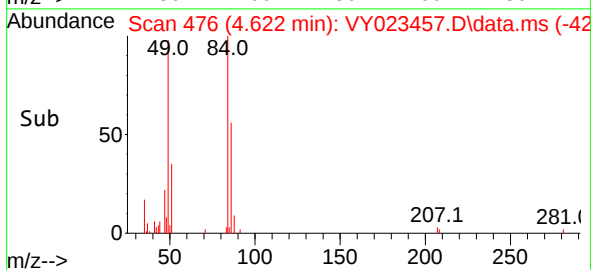
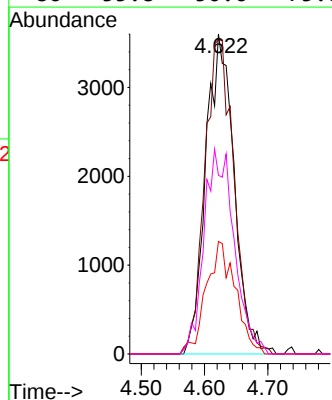
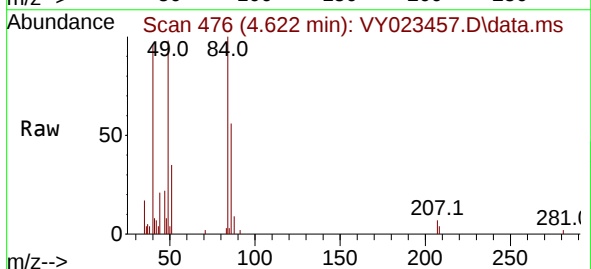
Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBL01

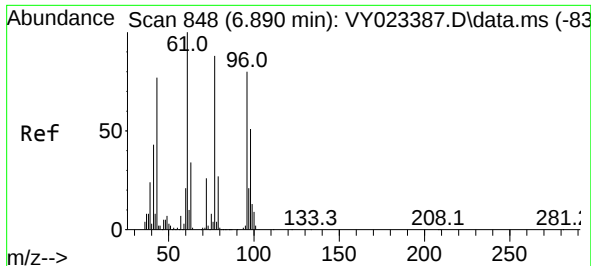
Tgt Ion: 43 Resp: 1295
Ion Ratio Lower Upper
43 100
58 21.3 27.7 41.5#



#20
Methylene Chloride
Concen: 1.838 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023457.D
Acq: 14 Oct 2025 11:56

Tgt Ion: 84 Resp: 11175
Ion Ratio Lower Upper
84 100
49 98.2 80.2 120.4
51 35.2 25.9 38.9
86 55.8 50.6 75.8

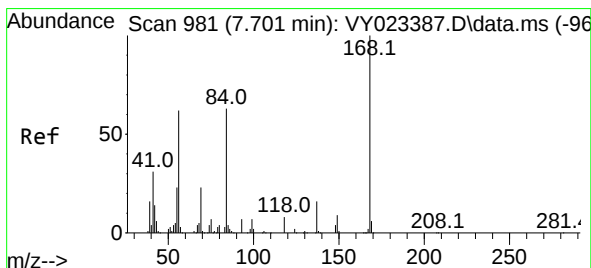
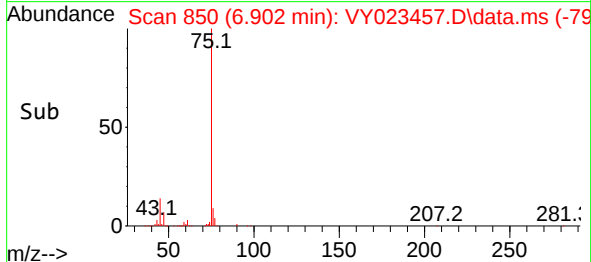
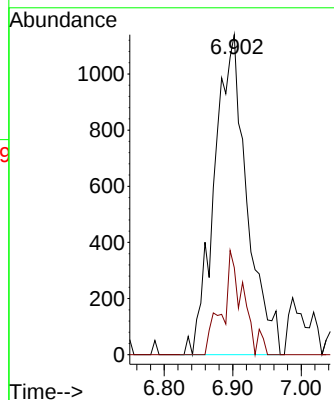
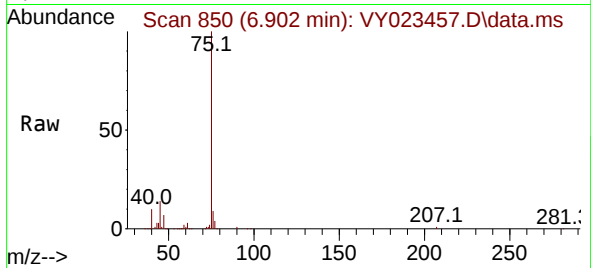




#25
2-Butanone
Concen: 2.735 ug/l
RT: 6.902 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY023457.D
Acq: 14 Oct 2025 11:56

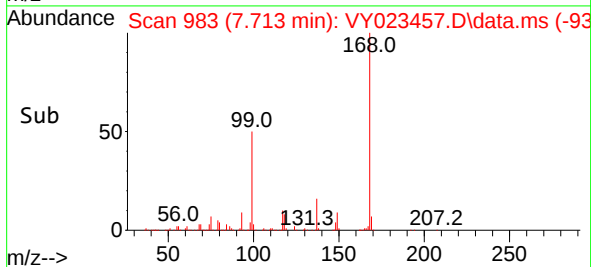
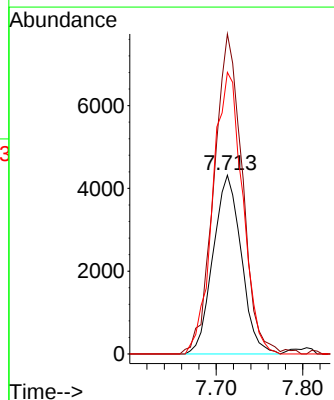
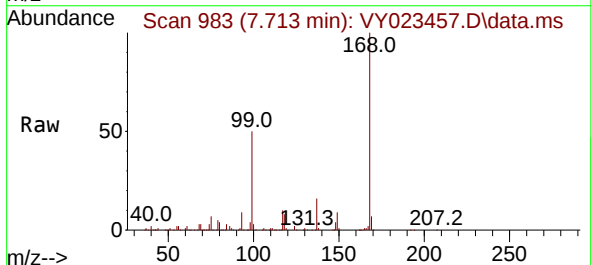
Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBL01

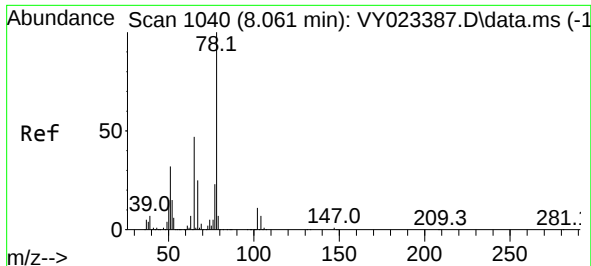
Tgt Ion: 43 Resp: 3753
Ion Ratio Lower Upper
43 100
72 27.2 27.4 41.2#



#31
Cyclohexane
Concen: 1.243 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023457.D
Acq: 14 Oct 2025 11:56

Tgt Ion: 56 Resp: 9762
Ion Ratio Lower Upper
56 100
69 179.0 30.0 45.0#
84 157.5 81.2 121.8#





#33

1,2-Dichloroethane-d4

Concen: 59.290 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023457.D

Acq: 14 Oct 2025 11:56

Instrument :

MSVOA_Y

ClientSampleId :

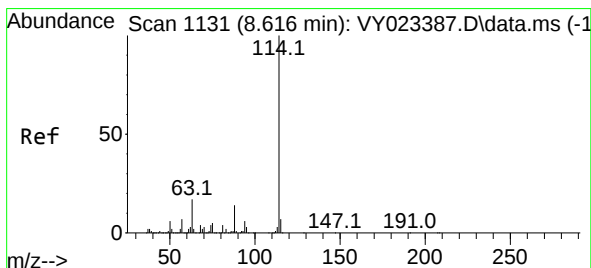
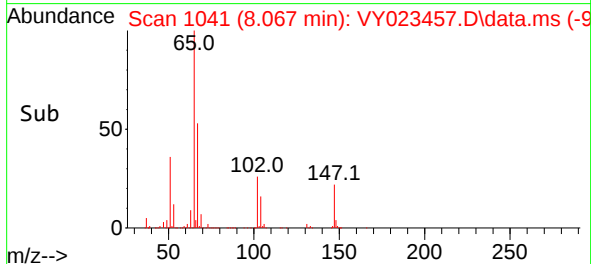
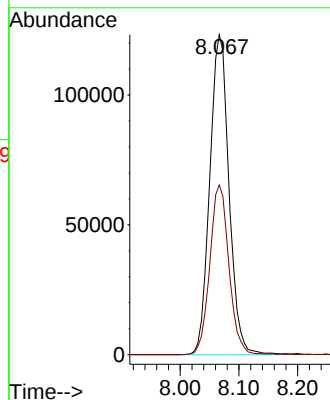
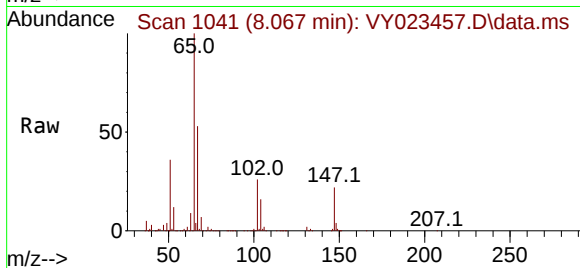
VY1014SBL01

Tgt Ion: 65 Resp: 279949

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023457.D

Acq: 14 Oct 2025 11:56

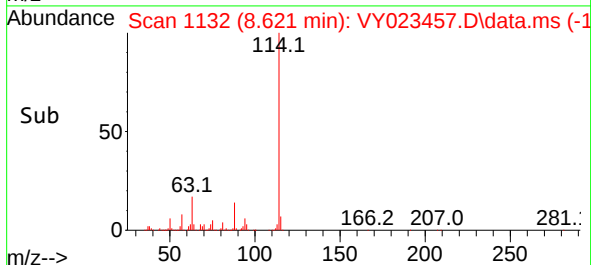
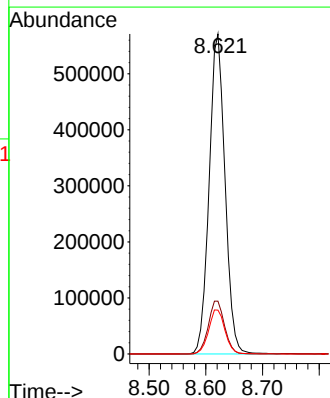
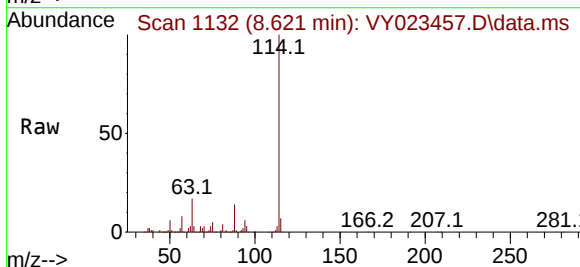
Tgt Ion:114 Resp: 1109577

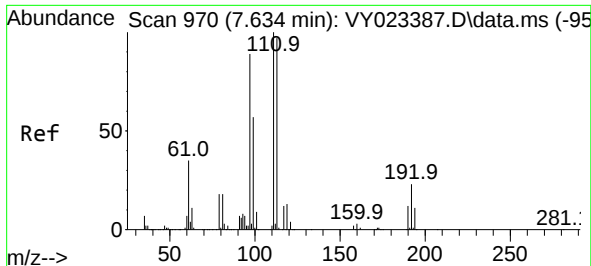
Ion Ratio Lower Upper

114 100

63 16.5 0.0 34.2

88 13.7 0.0 28.4

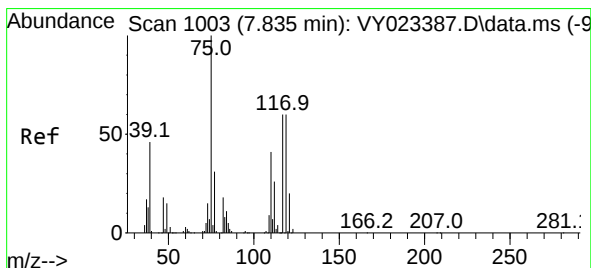
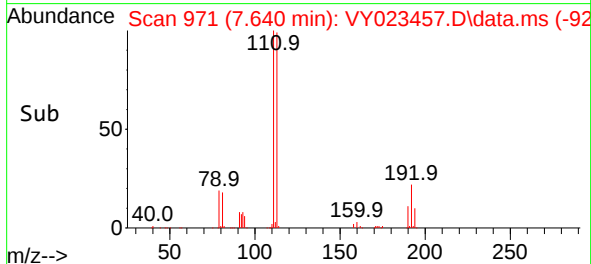
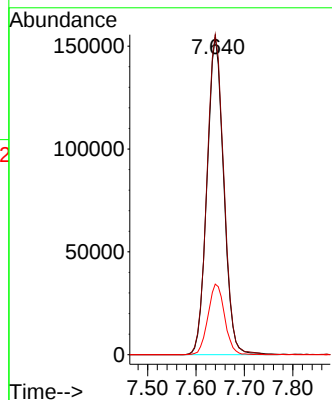
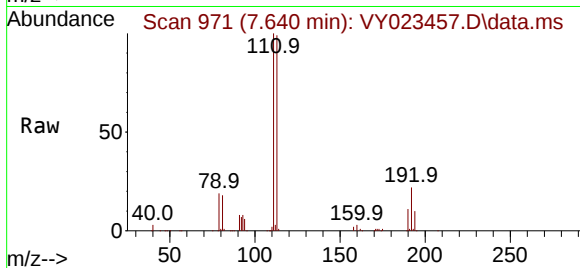




#35
Dibromofluoromethane
Concen: 54.230 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023457.D
Acq: 14 Oct 2025 11:56

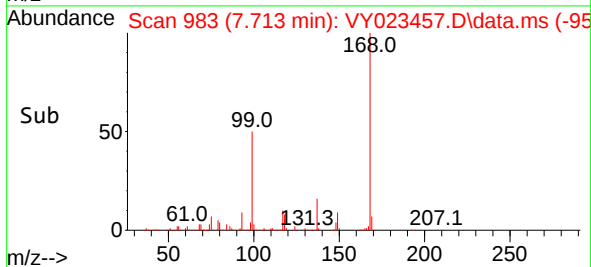
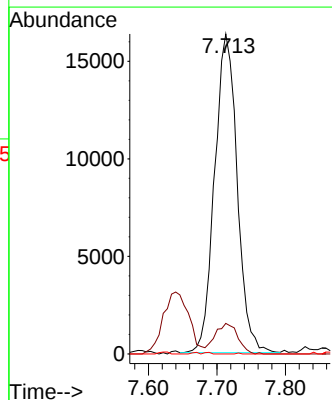
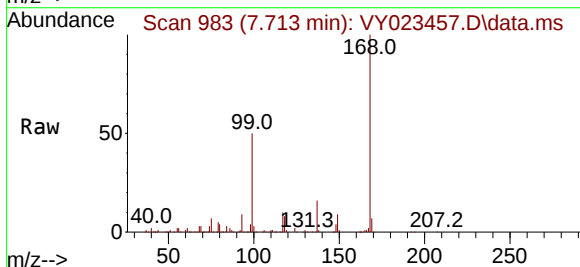
Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBL01

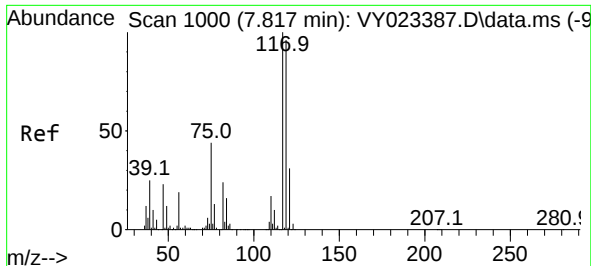
Tgt Ion:113 Resp: 369730
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.6
192 22.2 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.136 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023457.D
Acq: 14 Oct 2025 11:56

Tgt Ion: 75 Resp: 37328
Ion Ratio Lower Upper
75 100
110 9.7 19.9 59.7#
77 0.1 25.0 37.6#

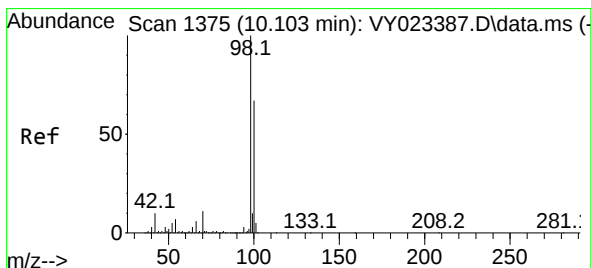
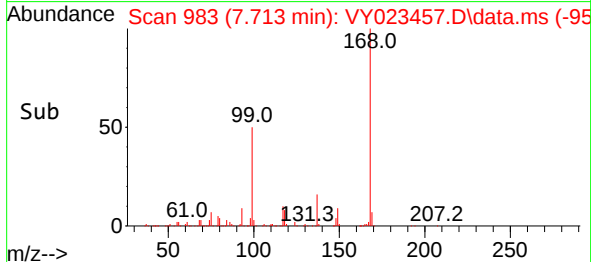
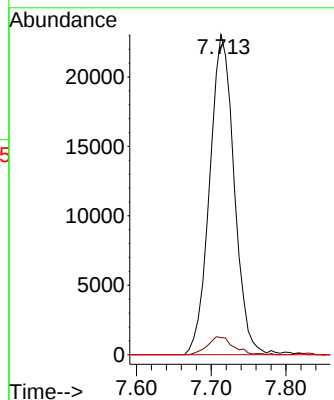
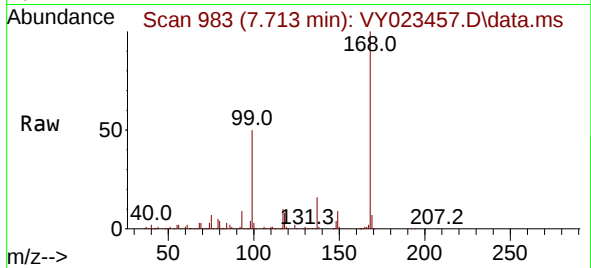




#38
Carbon Tetrachloride
Concen: 4.810 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023457.D
Acq: 14 Oct 2025 11:56

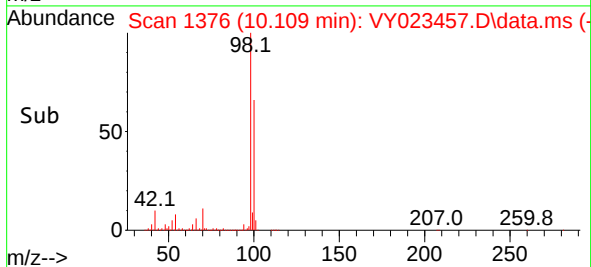
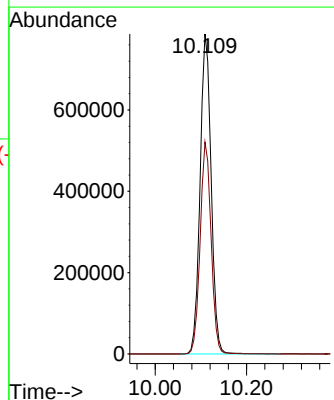
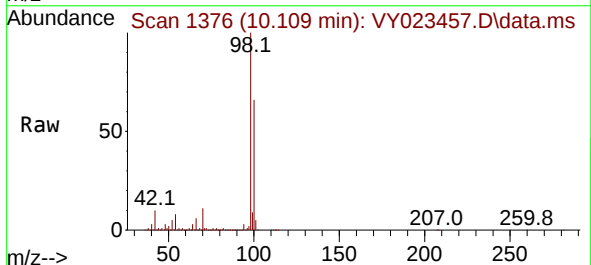
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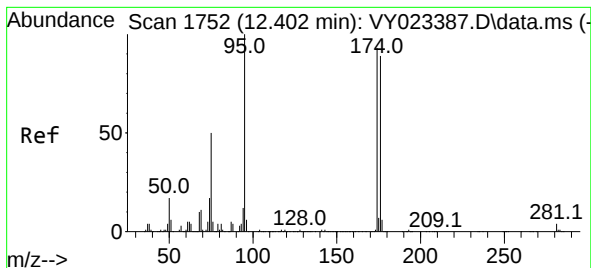
Tgt Ion:117 Resp: 52647
Ion Ratio Lower Upper
117 100
119 5.4 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.923 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023457.D
Acq: 14 Oct 2025 11:56

Tgt Ion: 98 Resp: 1318326
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4

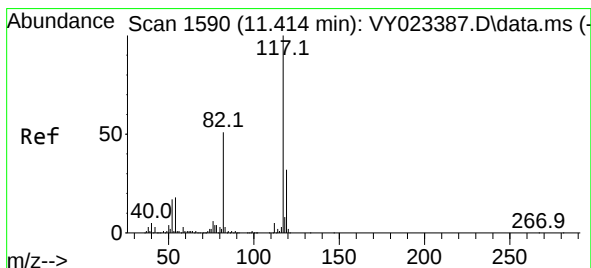
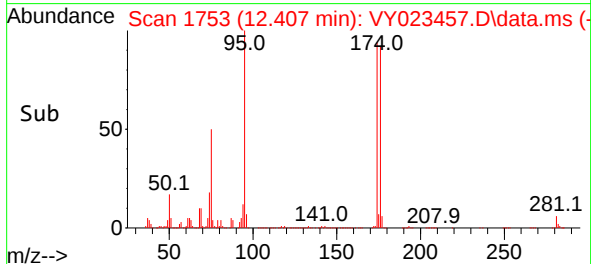
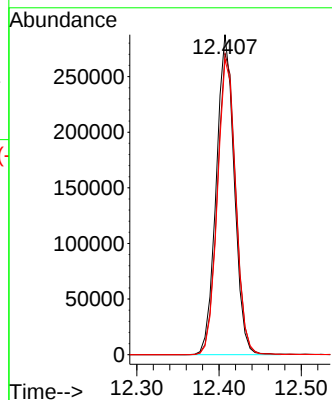
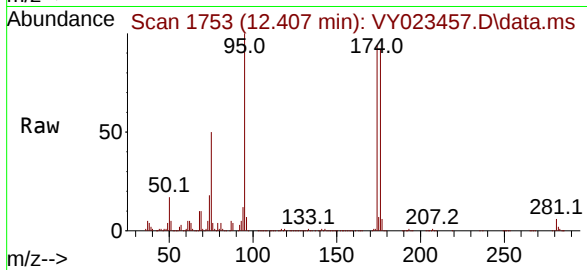




#62
4-Bromofluorobenzene
Concen: 52.104 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023457.D
Acq: 14 Oct 2025 11:56

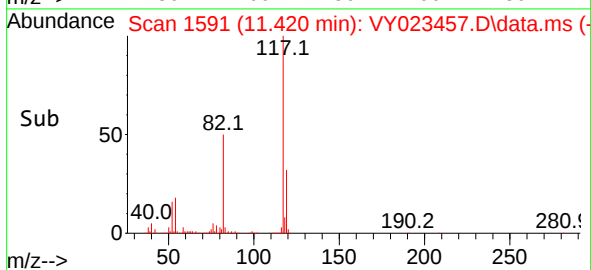
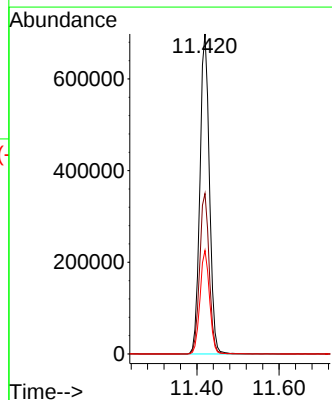
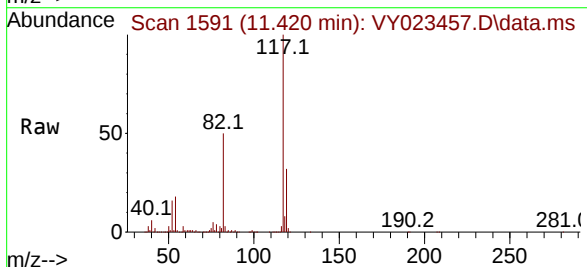
Instrument :
MSVOA_Y
ClientSampleId :
VY1014SBL01

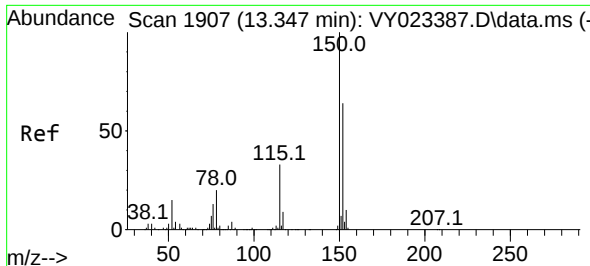
Tgt Ion: 95 Resp: 436769
Ion Ratio Lower Upper
95 100
174 96.7 0.0 192.8
176 93.6 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023457.D
Acq: 14 Oct 2025 11:56

Tgt Ion: 117 Resp: 1120800
Ion Ratio Lower Upper
117 100
82 50.1 41.0 61.4
119 32.4 25.6 38.4

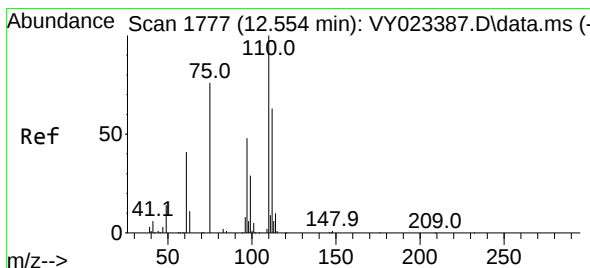
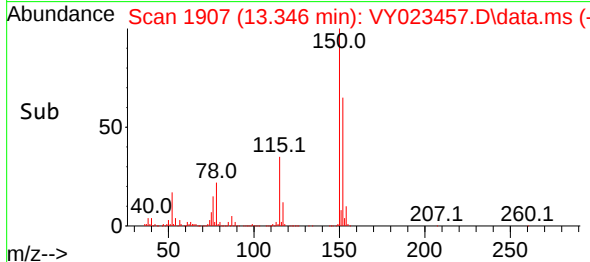
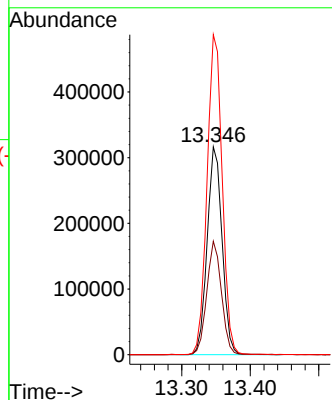
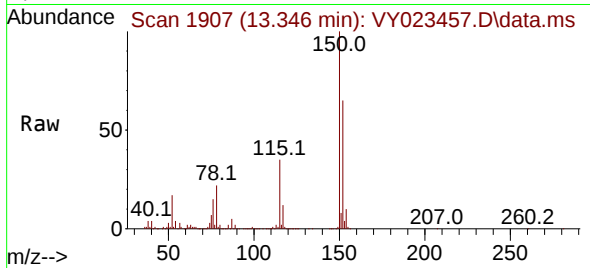




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY023457.D
 Acq: 14 Oct 2025 11:56

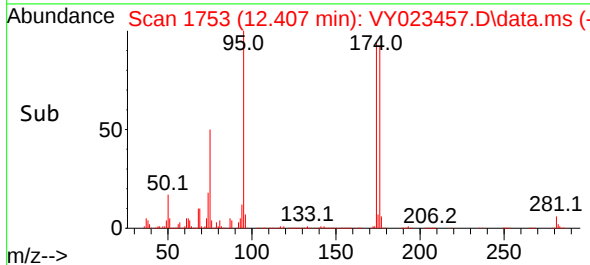
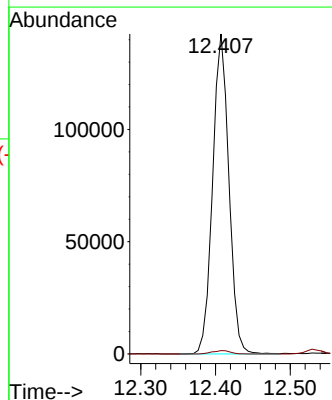
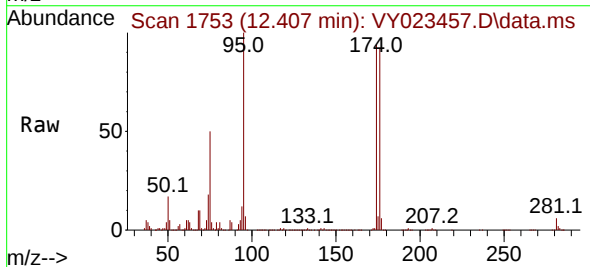
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1014SBL01

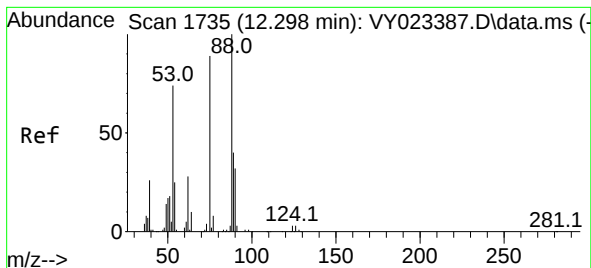
Tgt Ion:152 Resp: 479501
 Ion Ratio Lower Upper
 152 100
 115 53.7 27.1 81.2
 150 156.3 0.0 347.4



#76
 1,2,3-Trichloropropane
 Concen: 50.893 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.147 min
 Lab File: VY023457.D
 Acq: 14 Oct 2025 11:56

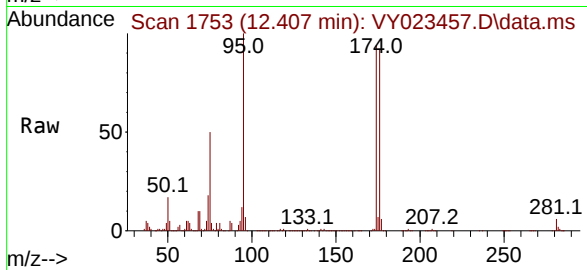
Tgt Ion: 75 Resp: 215302
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.799 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY023457.D
 Acq: 14 Oct 2025 11:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1014SBL01



Tgt Ion: 75 Resp: 215302
 Ion Ratio Lower Upper
 75 100
 53 0.2 68.6 102.8#
 89 0.0 39.0 58.4#

