

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023142.D
 Acq On : 19 Aug 2025 11:44
 Operator : SY/MD
 Sample : Q2820-15
 Misc : 7.75g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 10P-S

Quant Time: Aug 20 01:27:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

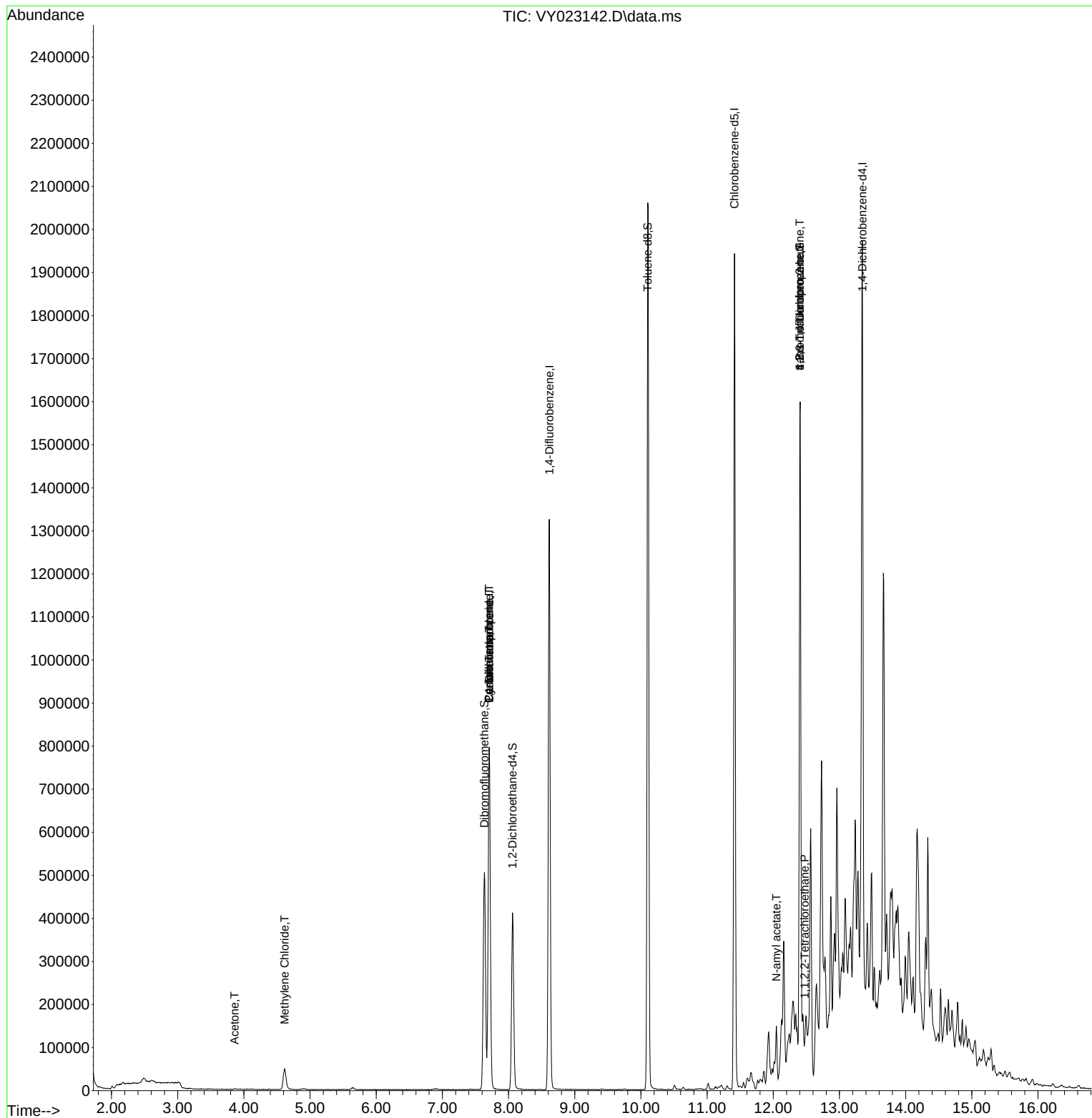
Internal Standards						
1) Pentafluorobenzene	7.707	168	632809	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1165930	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	1040807	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	447912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	320627	53.162	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.320%	
35) Dibromofluoromethane	7.634	113	366670	52.557	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.120%	
50) Toluene-d8	10.103	98	1396429	51.237	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.480%	
62) 4-Bromofluorobenzene	12.401	95	439799	50.177	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.360%	
Target Compounds						
					Qvalue	
16) Acetone	3.860	43	3220	2.464	ug/l	98
20) Methylene Chloride	4.616	84	36231	2.769	ug/l	92
31) Cyclohexane	7.707	56	12750	1.135	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	47049	4.538	ug/l #	49
38) Carbon Tetrachloride	7.707	117	60028	5.331	ug/l #	17
74) N-amyl acetate	12.047	43	27766	4.142	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.474	83	6483	1.201	ug/l #	26
76) 1,2,3-Trichloropropane	12.401	75	225583	52.184	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	225583	126.321	ug/l #	14

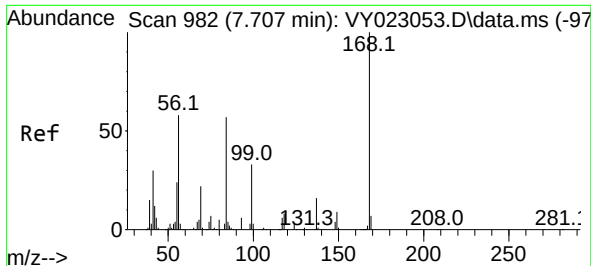
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

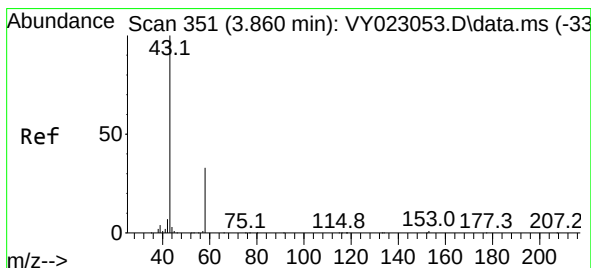
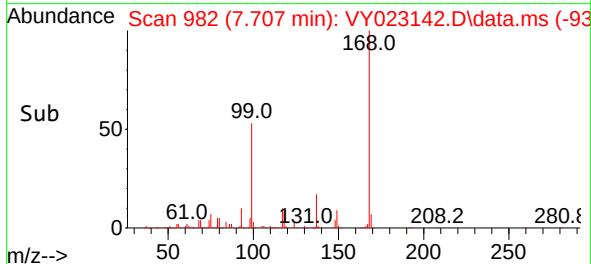
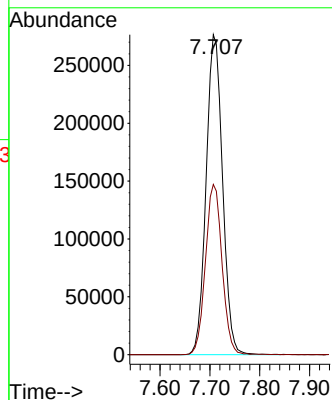
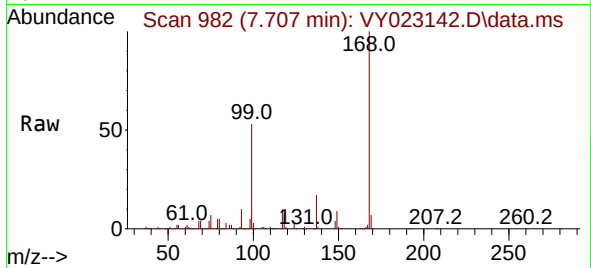




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023142.D
Acq: 19 Aug 2025 11:44

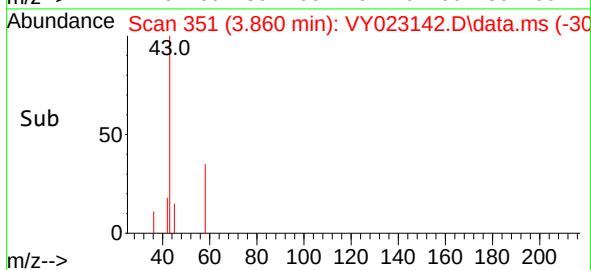
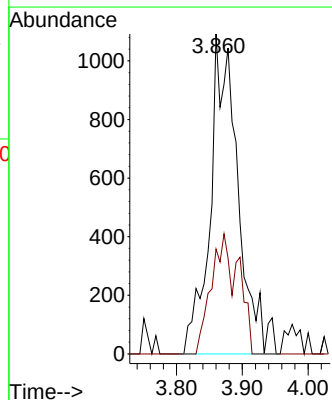
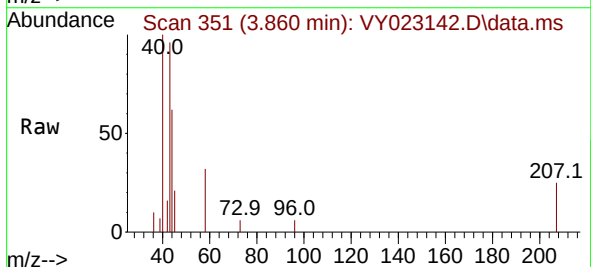
Instrument :
MSVOA_Y
ClientSampleId :
10P-S

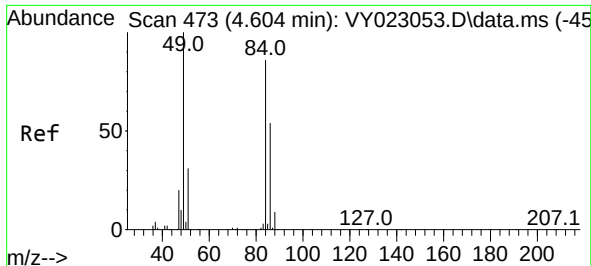
Tgt Ion:168 Resp: 632809
Ion Ratio Lower Upper
168 100
99 53.2 42.8 64.2



#16
Acetone
Concen: 2.464 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY023142.D
Acq: 19 Aug 2025 11:44

Tgt Ion: 43 Resp: 3220
Ion Ratio Lower Upper
43 100
58 32.8 27.1 40.7

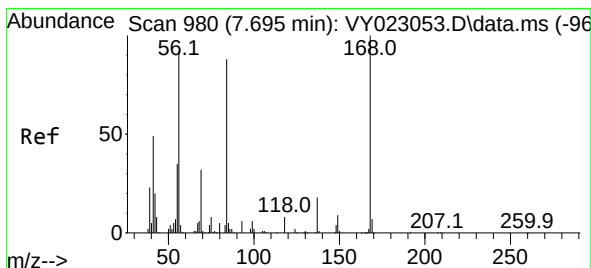
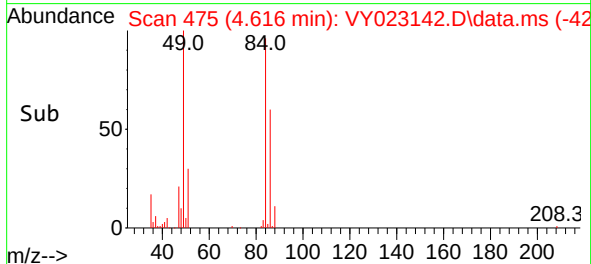
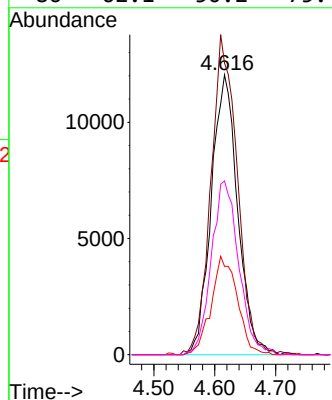
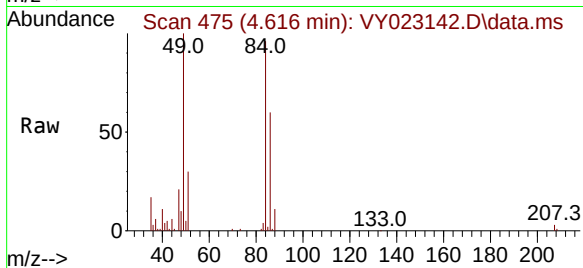




#20
Methylene Chloride
Concen: 2.769 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023142.D
Acq: 19 Aug 2025 11:44

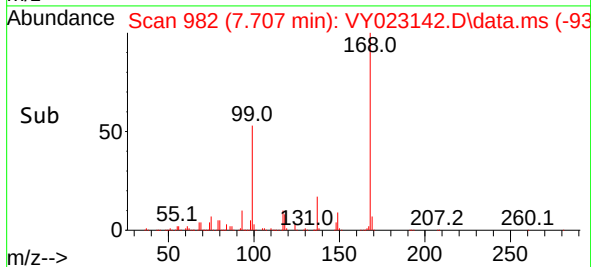
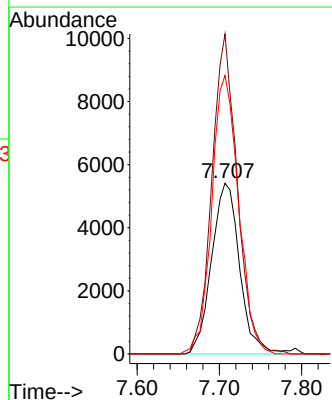
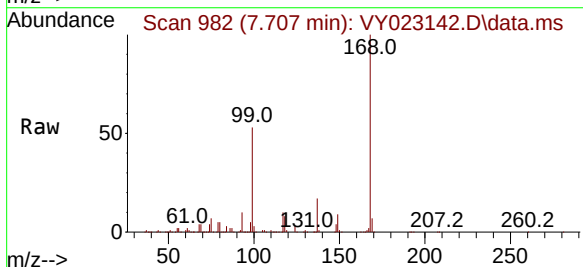
Instrument :
MSVOA_Y
ClientSampleId :
10P-S

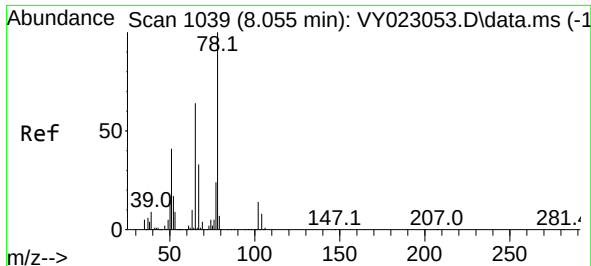
Tgt Ion:	84	Resp:	36231
Ion	Ratio	Lower	Upper
84	100		
49	104.2	93.0	139.6
51	31.6	29.0	43.4
86	62.1	50.2	75.4



#31
Cyclohexane
Concen: 1.135 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023142.D
Acq: 19 Aug 2025 11:44

Tgt Ion:	56	Resp:	12750
Ion	Ratio	Lower	Upper
56	100		
69	187.4	28.2	42.2#
84	163.1	76.6	114.8#

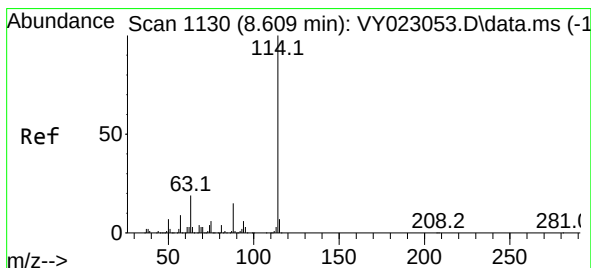
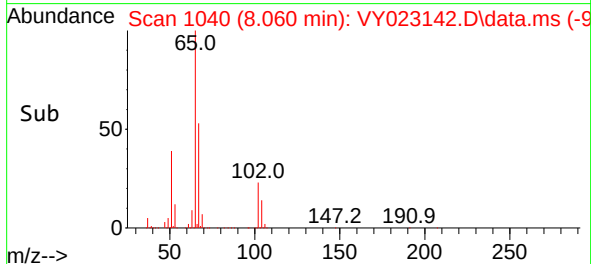
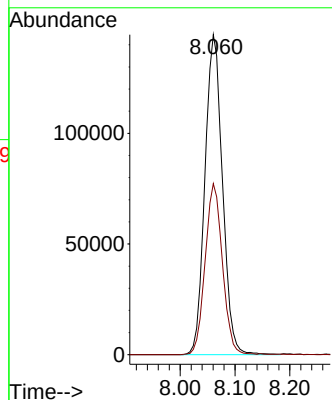
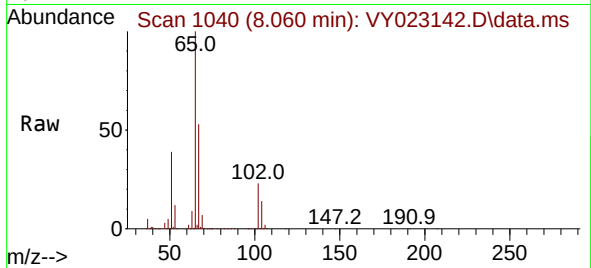




#33
1,2-Dichloroethane-d4
Concen: 53.162 ug/l
RT: 8.060 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VY023142.D
Acq: 19 Aug 2025 11:44

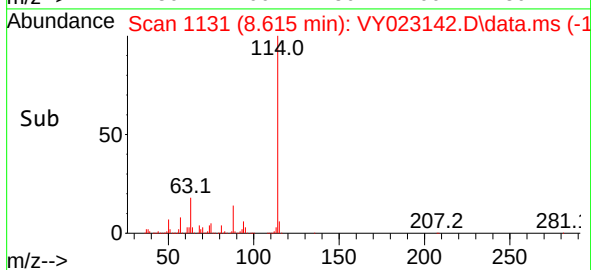
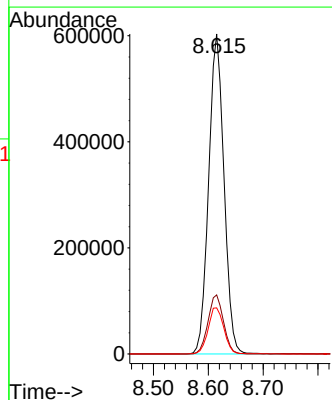
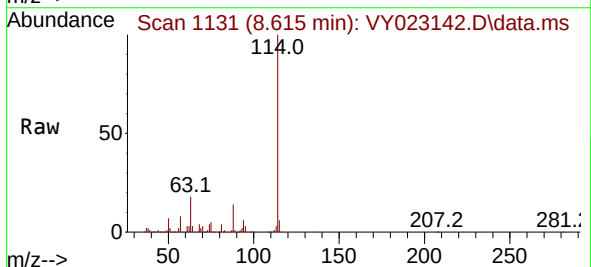
Instrument :
MSVOA_Y
ClientSampleId :
10P-S

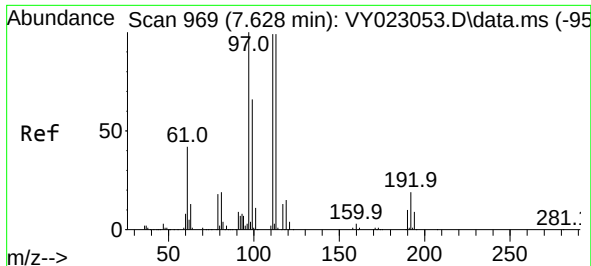
Tgt Ion: 65 Resp: 320627
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023142.D
Acq: 19 Aug 2025 11:44

Tgt Ion:114 Resp: 1165930
Ion Ratio Lower Upper
114 100
63 18.4 0.0 38.4
88 14.4 0.0 30.0





#35

Dibromofluoromethane

Concen: 52.557 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY023142.D

Acq: 19 Aug 2025 11:44

Instrument :

MSVOA_Y

ClientSampleId :

10P-S

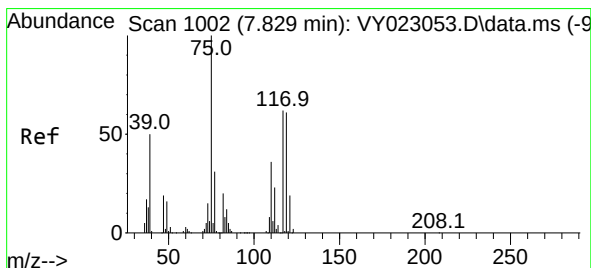
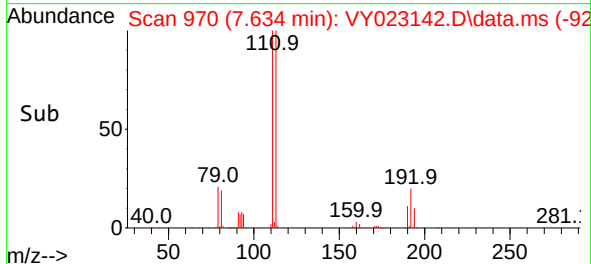
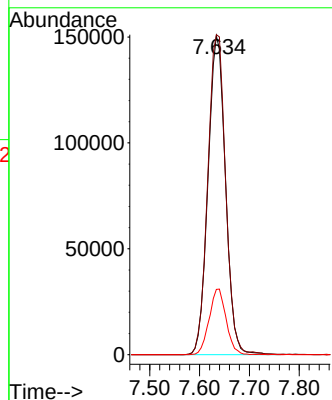
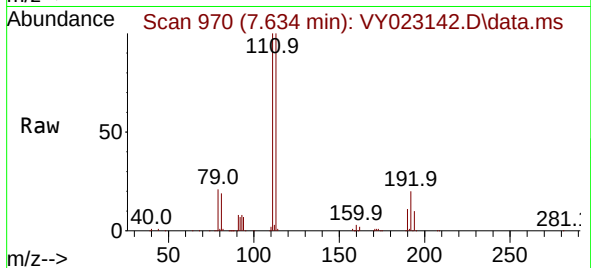
Tgt Ion:113 Resp: 366670

Ion Ratio Lower Upper

113 100

111 102.5 81.1 121.7

192 20.0 16.2 24.4



#36

1,1-Dichloropropene

Concen: 4.538 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY023142.D

Acq: 19 Aug 2025 11:44

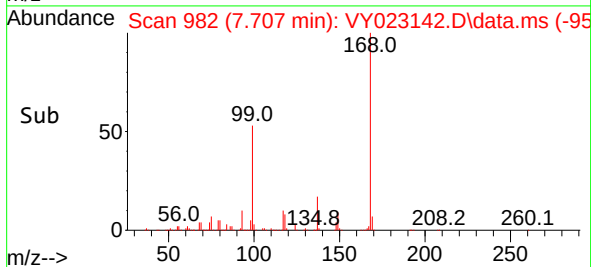
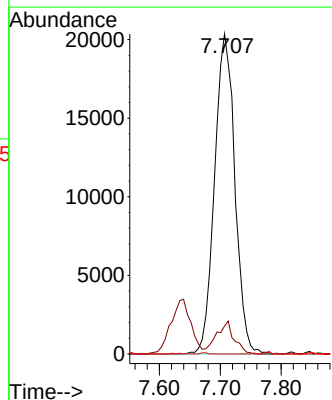
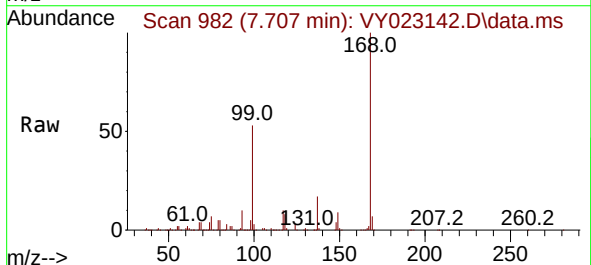
Tgt Ion: 75 Resp: 47049

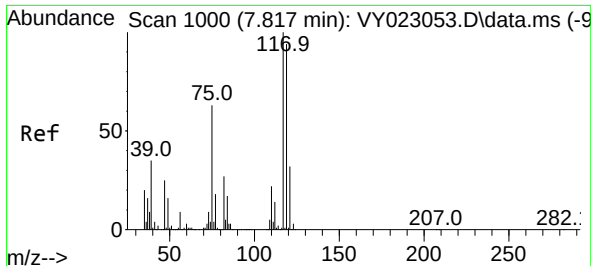
Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.4#

77 0.0 24.6 37.0#

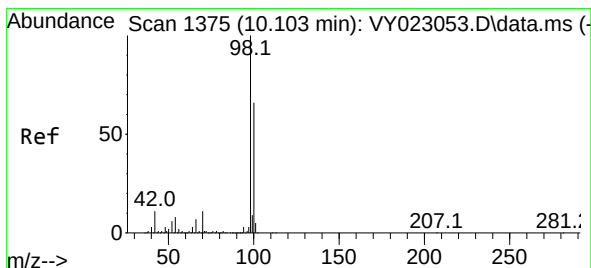
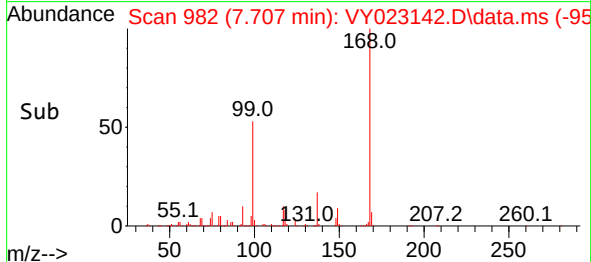
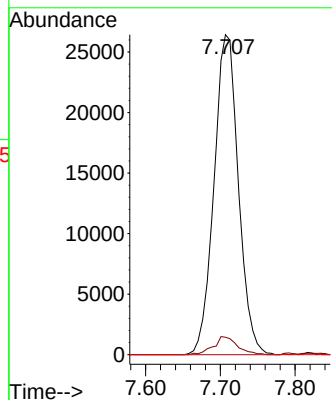
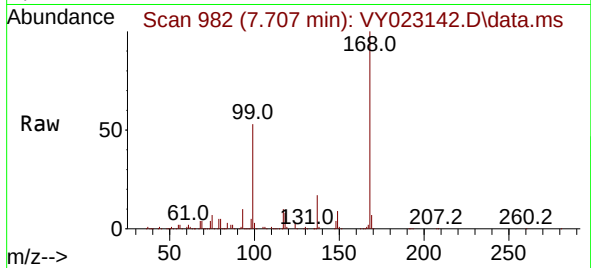




#38
Carbon Tetrachloride
Concen: 5.331 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023142.D
Acq: 19 Aug 2025 11:44

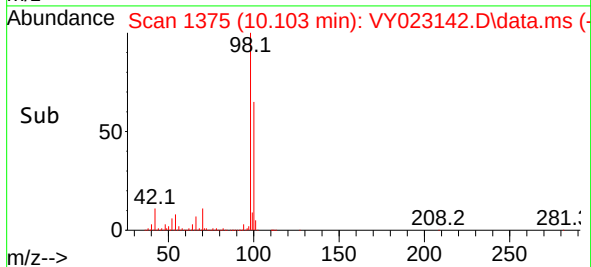
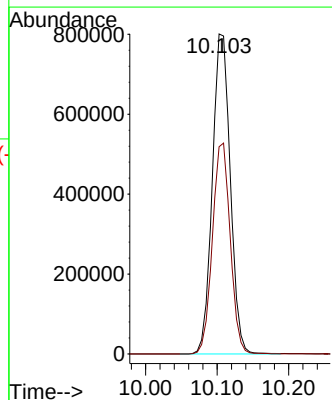
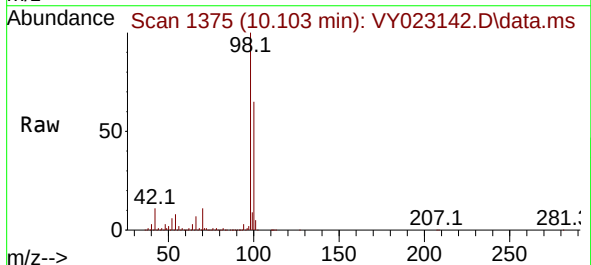
Instrument :
MSVOA_Y
ClientSampleId :
10P-S

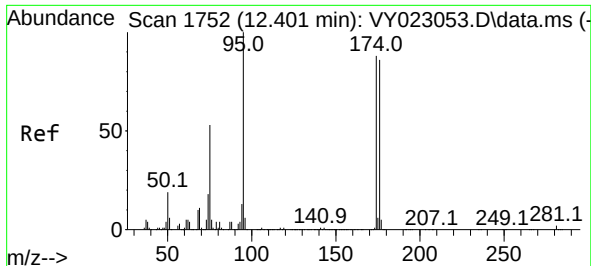
Tgt Ion:117 Resp: 60028
Ion Ratio Lower Upper
117 100
119 5.5 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.237 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023142.D
Acq: 19 Aug 2025 11:44

Tgt Ion: 98 Resp: 1396429
Ion Ratio Lower Upper
98 100
100 65.5 52.3 78.5

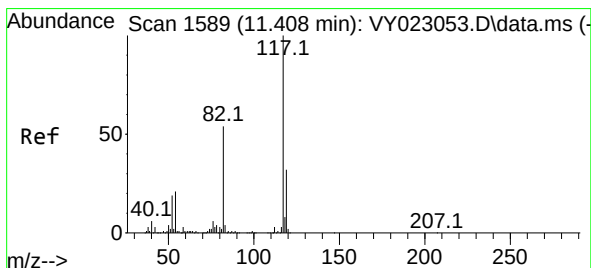
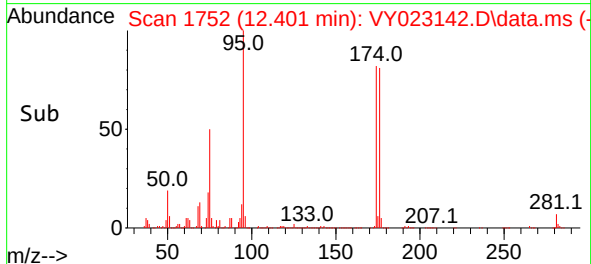
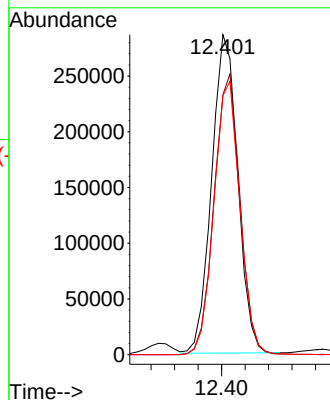
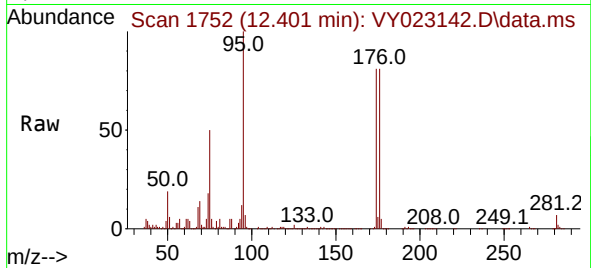




#62
4-Bromofluorobenzene
Concen: 50.177 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023142.D
Acq: 19 Aug 2025 11:44

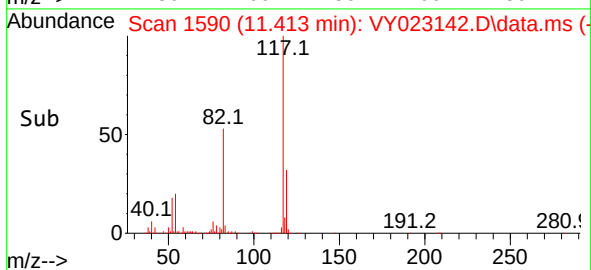
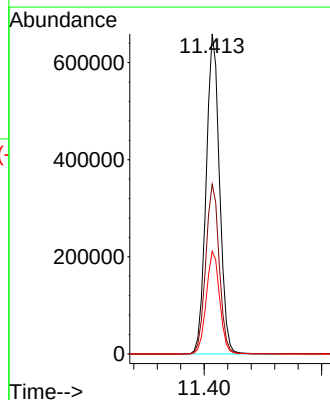
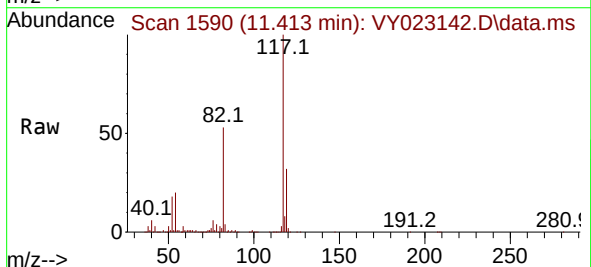
Instrument :
MSVOA_Y
ClientSampleId :
10P-S

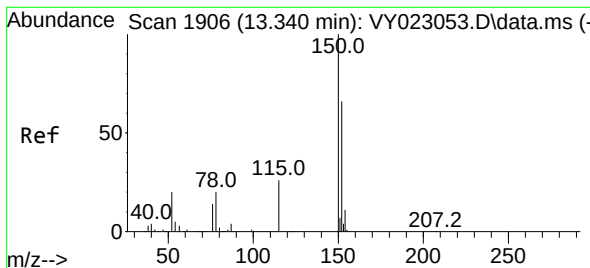
Tgt Ion: 95 Resp: 439799
Ion Ratio Lower Upper
95 100
174 88.1 0.0 171.6
176 85.7 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.413 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023142.D
Acq: 19 Aug 2025 11:44

Tgt Ion: 117 Resp: 1040807
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.0
119 32.1 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY023142.D

Acq: 19 Aug 2025 11:44

Instrument :

MSVOA_Y

ClientSampleId :

10P-S

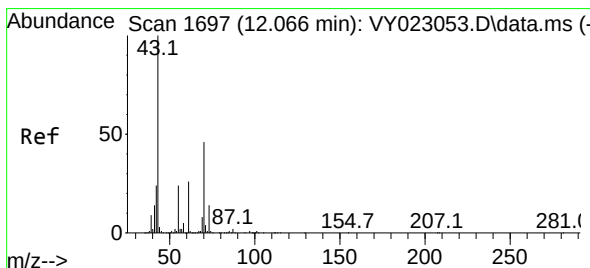
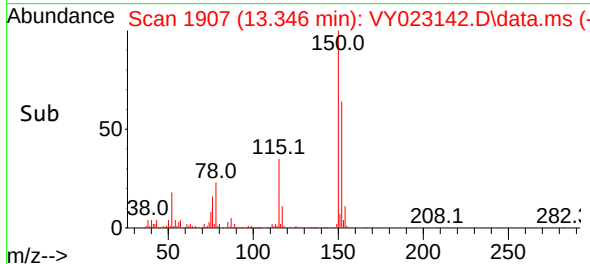
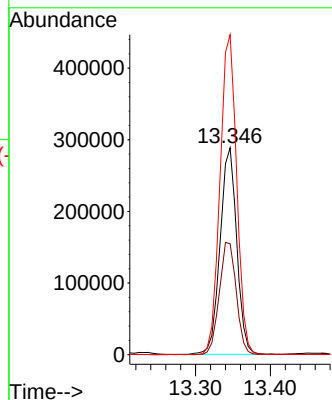
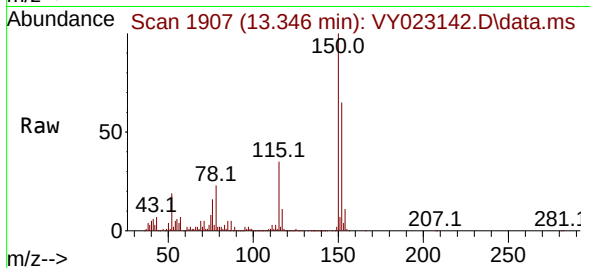
Tgt Ion:152 Resp: 447912

Ion Ratio Lower Upper

152 100

115 55.3 28.2 84.6

150 154.9 0.0 348.0



#74

N-ethyl acetate

Concen: 4.142 ug/l

RT: 12.047 min Scan# 1694

Delta R.T. -0.019 min

Lab File: VY023142.D

Acq: 19 Aug 2025 11:44

Tgt Ion: 43 Resp: 27766

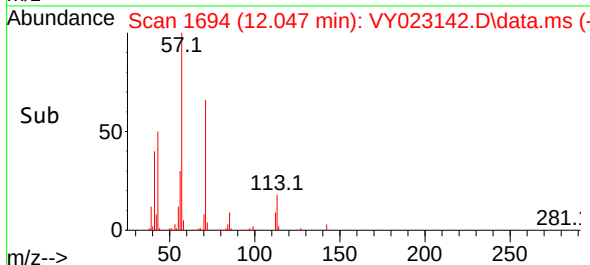
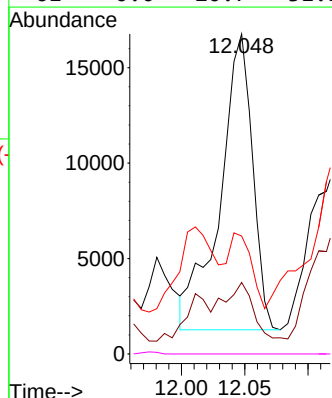
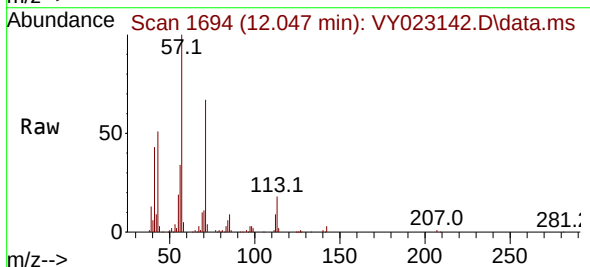
Ion Ratio Lower Upper

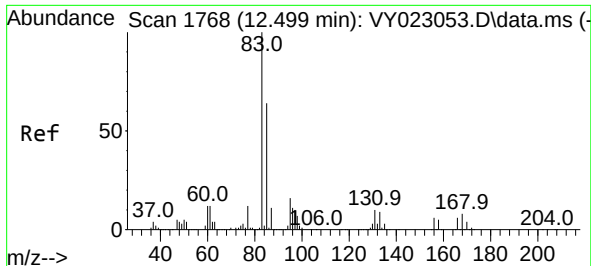
43 100

70 11.2 37.5 56.3#

55 18.7 20.7 31.1#

61 0.0 20.7 31.1#

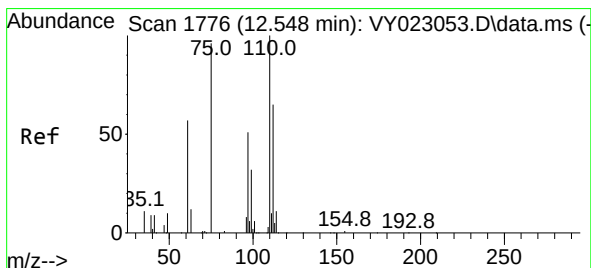
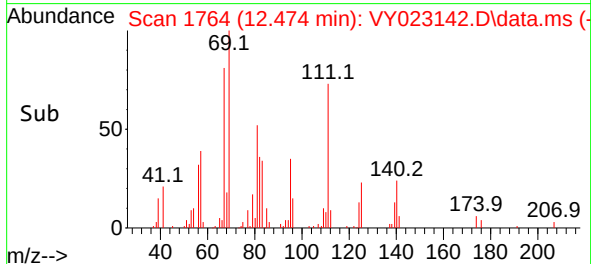
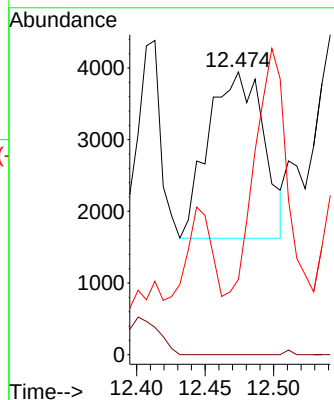
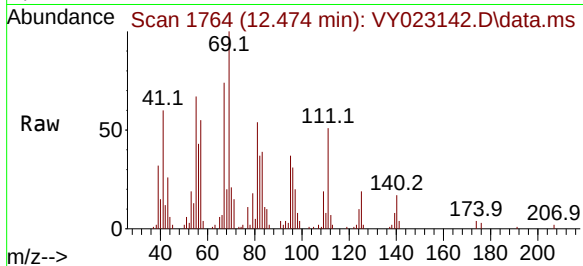




#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.201 ug/l
 RT: 12.474 min Scan# 1752
 Delta R.T. -0.025 min
 Lab File: VY023142.D
 Acq: 19 Aug 2025 11:44

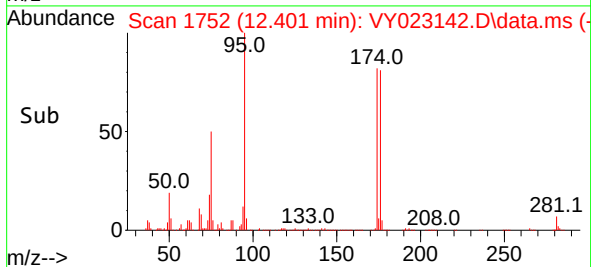
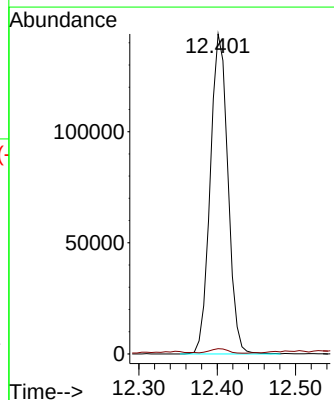
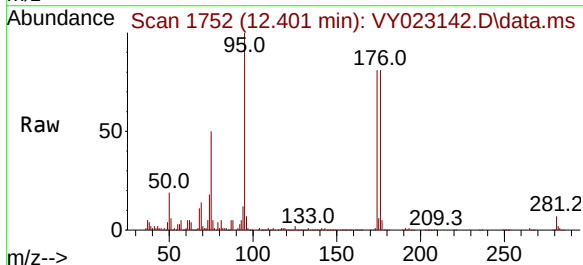
Instrument :
 MSVOA_Y
 ClientSampleId :
 10P-S

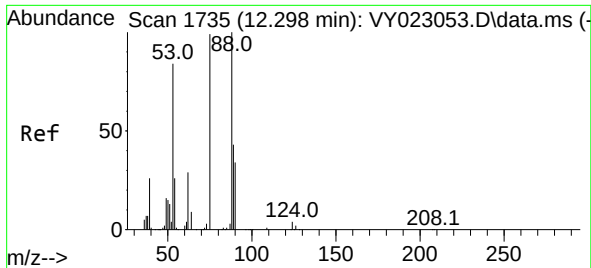
Tgt Ion: 83 Resp: 6483
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.1 15.3#
 85 0.0 31.8 95.3#



#76
 1,2,3-Trichloropropane
 Concen: 52.184 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.147 min
 Lab File: VY023142.D
 Acq: 19 Aug 2025 11:44

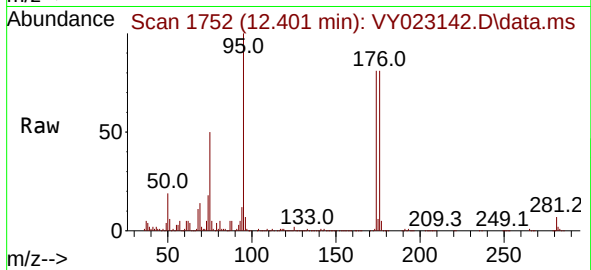
Tgt Ion: 75 Resp: 225583
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.321 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY023142.D
 Acq: 19 Aug 2025 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 10P-S



Tgt Ion: 75 Resp: 225583
 Ion Ratio Lower Upper
 75 100
 53 0.9 70.8 106.2#
 89 0.1 38.1 57.1#

