

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071825\
 Data File : VY023003.D
 Acq On : 18 Jul 2025 17:23
 Operator : SY/MD
 Sample : Q2638-05
 Misc : 4.25g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-33-071725

Quant Time: Jul 19 02:13:42 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)

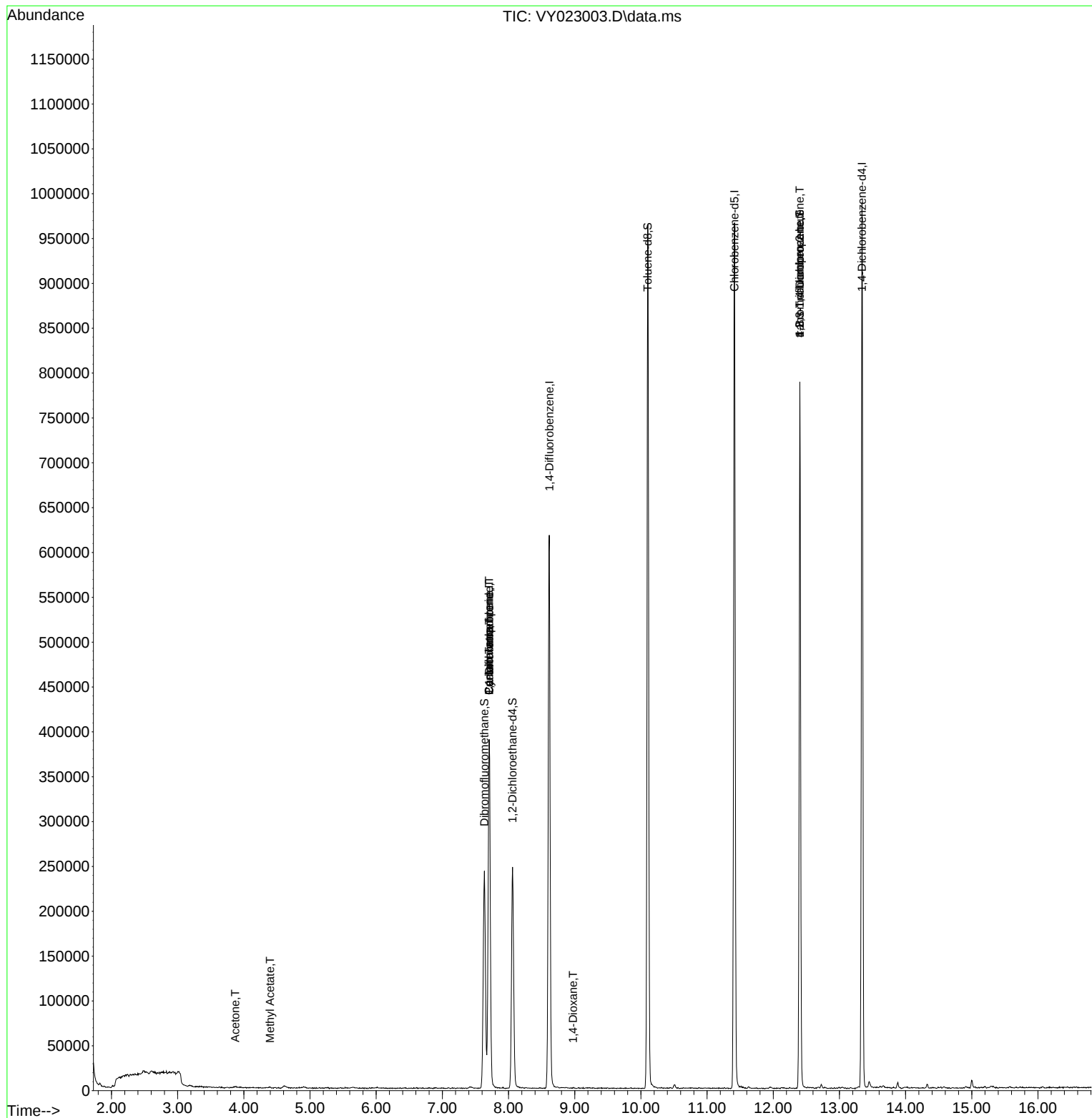
Internal Standards						
1) Pentafluorobenzene	7.707	168	293490	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	517787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	504352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	236120	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	195829	65.911	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.820%	
35) Dibromofluoromethane	7.634	113	167146	50.889	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.780%	
50) Toluene-d8	10.103	98	620987	47.676	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.360%	
62) 4-Bromofluorobenzene	12.402	95	225593	55.021	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.040%	
Target Compounds						Qvalue
16) Acetone	3.873	43	2356	4.375	ug/l #	69
18) Methyl Acetate	4.397	43	1913	1.049	ug/l #	76
20) Methylene Chloride	4.610	84	2048	Below Cal	#	91
31) Cyclohexane	7.707	56	7265	1.228	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	23920	4.623	ug/l #	51
38) Carbon Tetrachloride	7.707	117	30171	5.368	ug/l #	17
49) 1,4-Dioxane	8.975	88	22	1.110	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	126784	43.091	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	126784	128.345	ug/l #	12

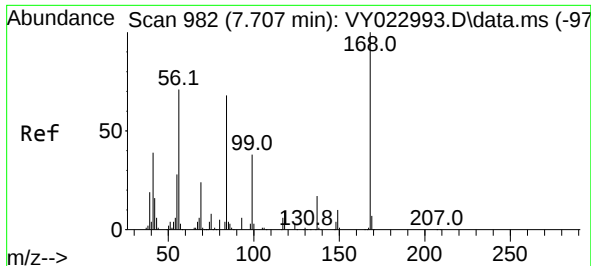
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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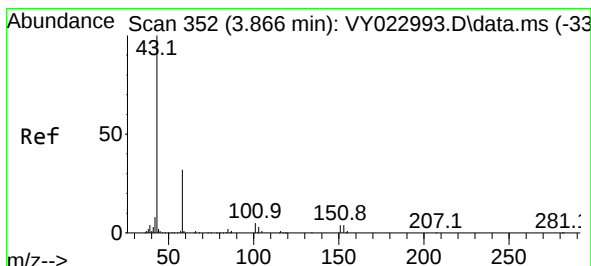
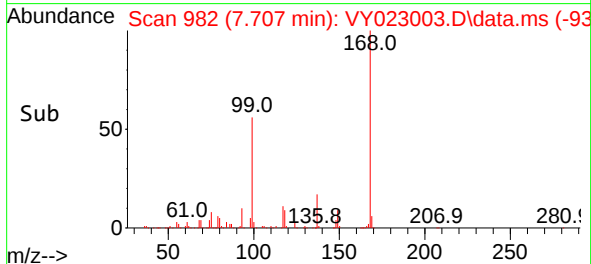
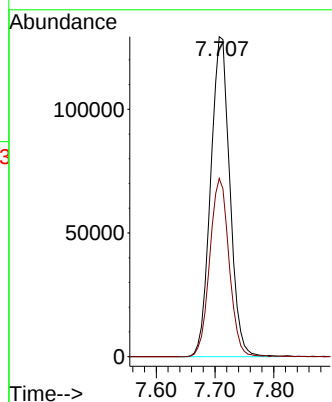
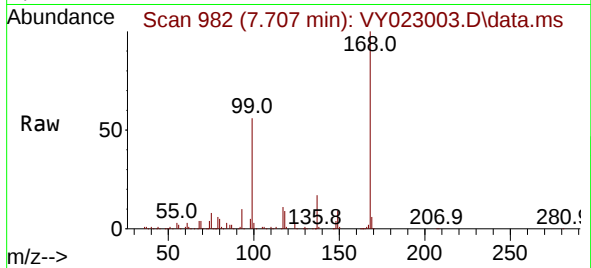




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023003.D
Acq: 18 Jul 2025 17:23

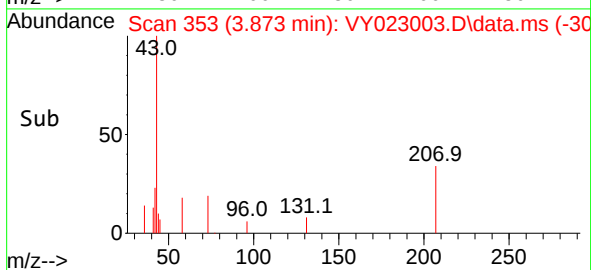
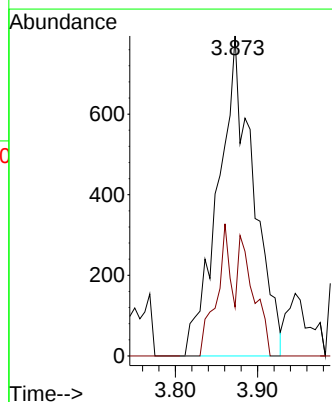
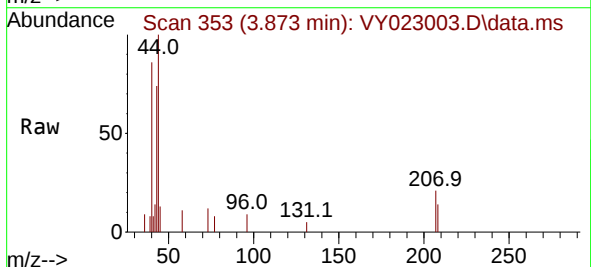
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-33-071725

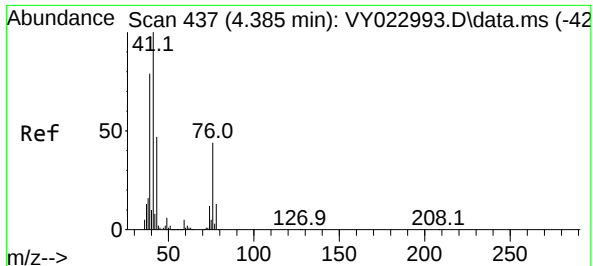
Tgt Ion:168 Resp: 293490
Ion Ratio Lower Upper
168 100
99 55.7 44.4 66.6



#16
Acetone
Concen: 4.375 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023003.D
Acq: 18 Jul 2025 17:23

Tgt Ion: 43 Resp: 2356
Ion Ratio Lower Upper
43 100
58 15.2 26.2 39.4#

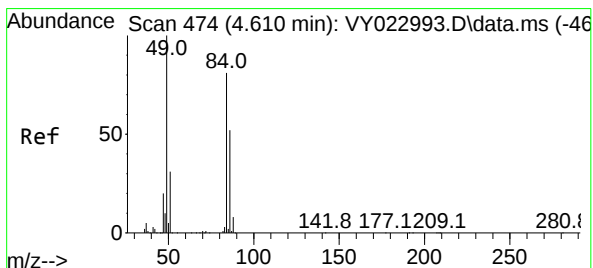
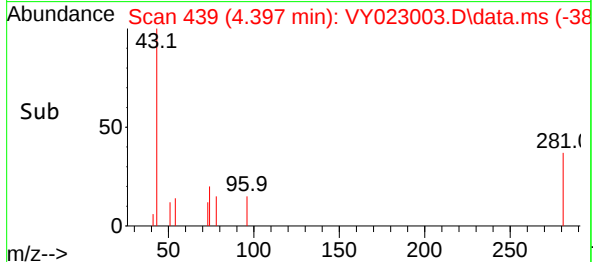
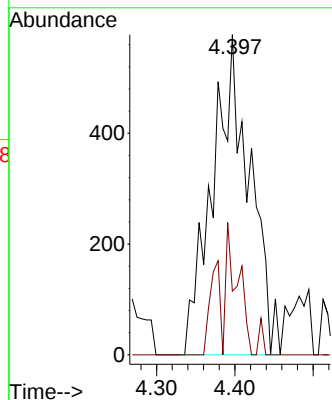
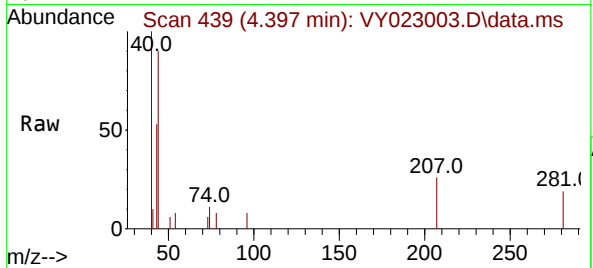




#18
Methyl Acetate
Concen: 1.049 ug/l
RT: 4.397 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023003.D
Acq: 18 Jul 2025 17:23

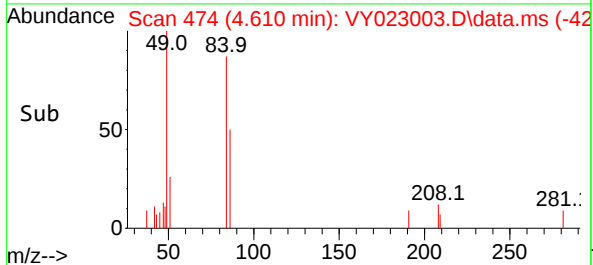
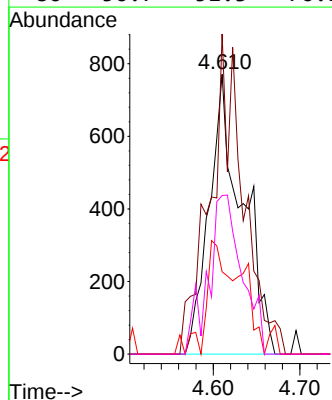
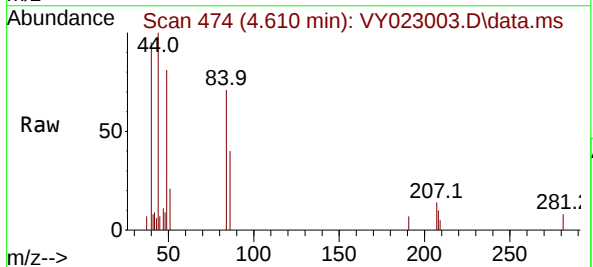
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-33-071725

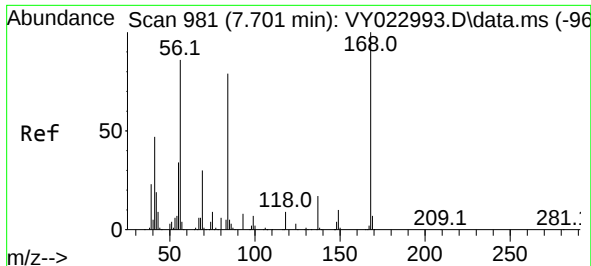
Tgt Ion: 43 Resp: 1913
Ion Ratio Lower Upper
43 100
74 13.3 20.1 30.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY023003.D
Acq: 18 Jul 2025 17:23

Tgt Ion: 84 Resp: 2048
Ion Ratio Lower Upper
84 100
49 114.4 98.2 147.4
51 29.4 30.5 45.7#
86 56.7 51.3 76.9

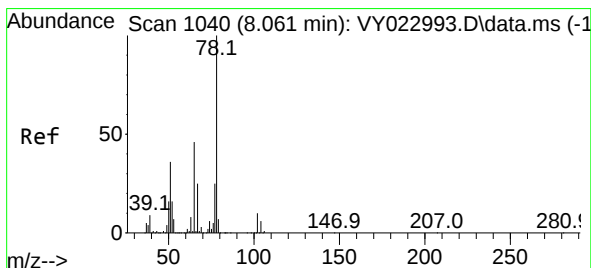
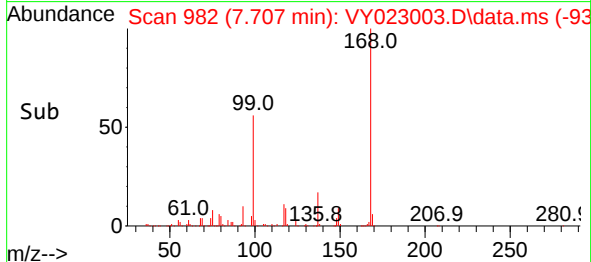
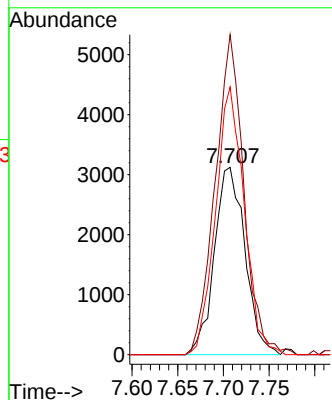
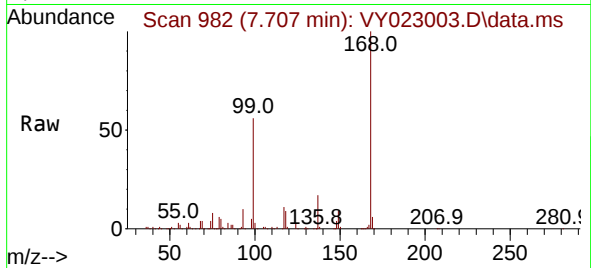




#31
Cyclohexane
Concen: 1.228 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023003.D
Acq: 18 Jul 2025 17:23

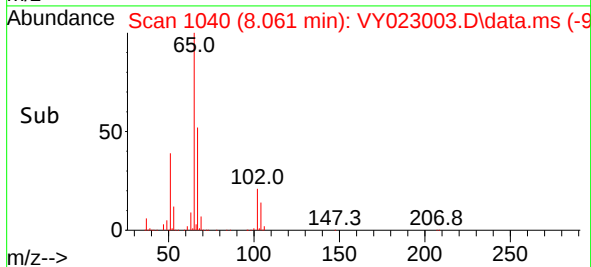
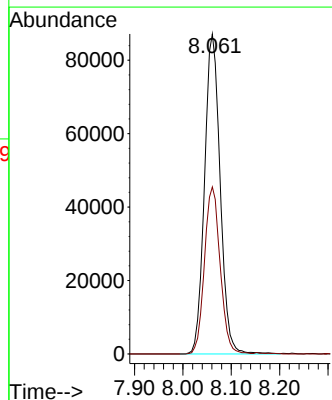
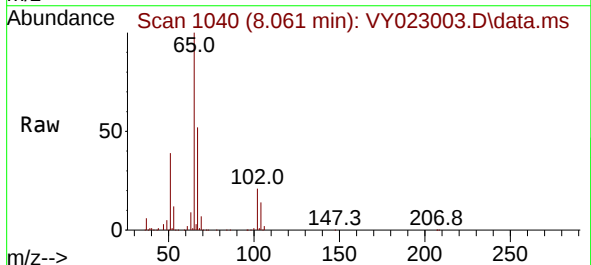
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-33-071725

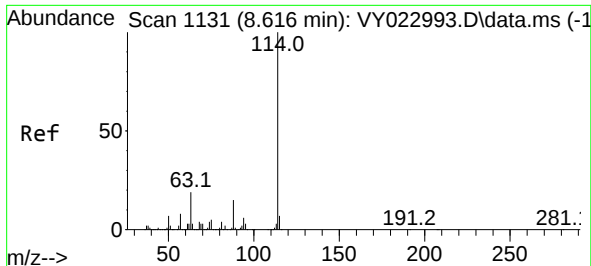
Tgt Ion: 56 Resp: 7265
Ion Ratio Lower Upper
56 100
69 170.8 28.1 42.1#
84 142.9 73.5 110.3#



#33
1,2-Dichloroethane-d4
Concen: 65.911 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023003.D
Acq: 18 Jul 2025 17:23

Tgt Ion: 65 Resp: 195829
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.4

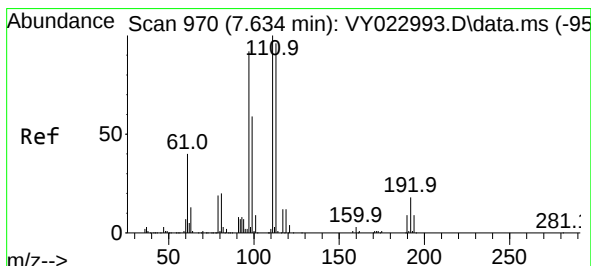
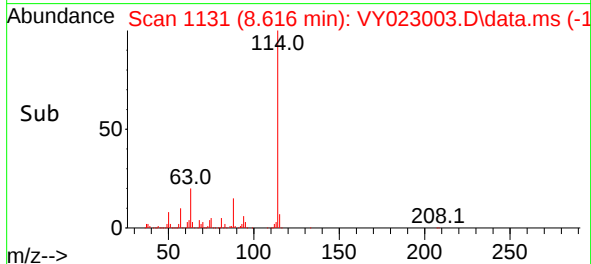
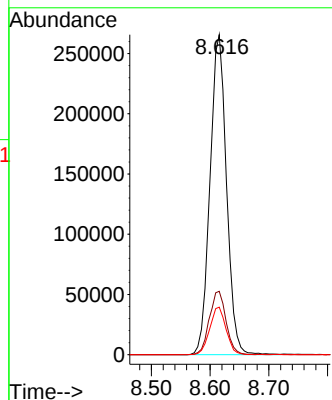
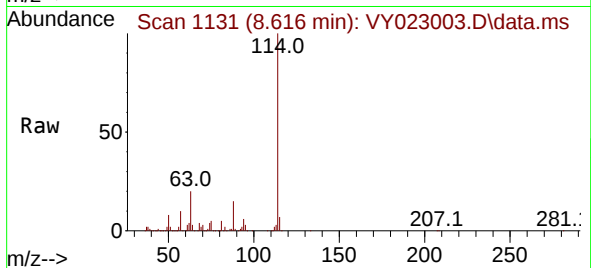




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023003.D
Acq: 18 Jul 2025 17:23

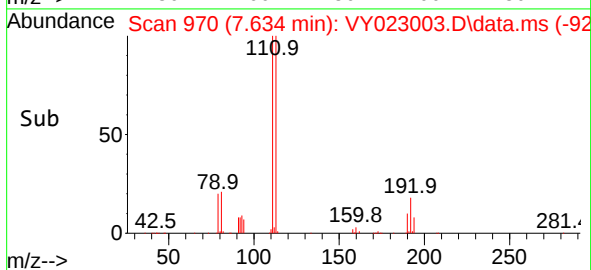
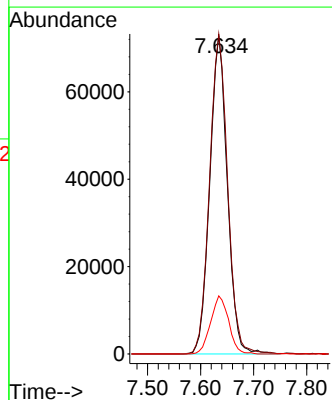
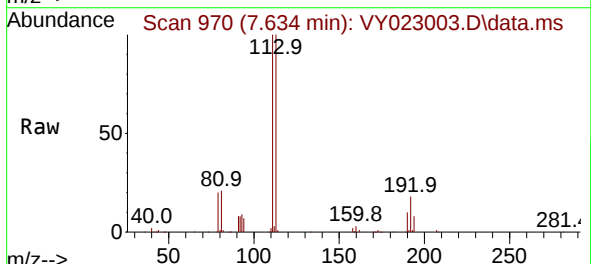
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-33-071725

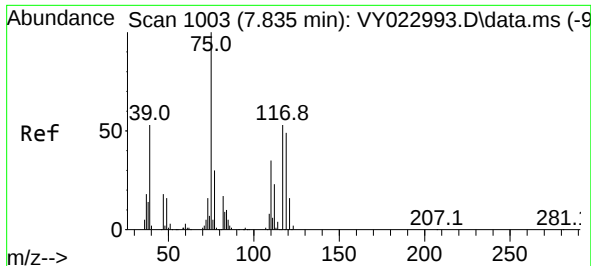
Tgt Ion:114 Resp: 517787
Ion Ratio Lower Upper
114 100
63 19.8 0.0 38.8
88 14.9 0.0 30.2



#35
Dibromofluoromethane
Concen: 50.889 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023003.D
Acq: 18 Jul 2025 17:23

Tgt Ion:113 Resp: 167146
Ion Ratio Lower Upper
113 100
111 103.6 83.2 124.8
192 18.8 15.3 22.9

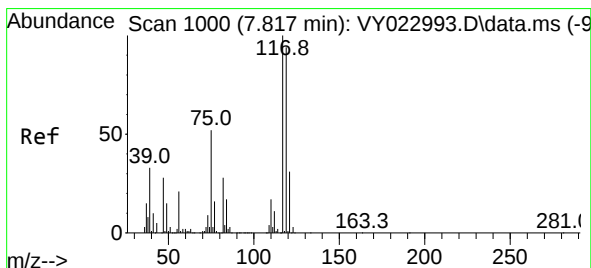
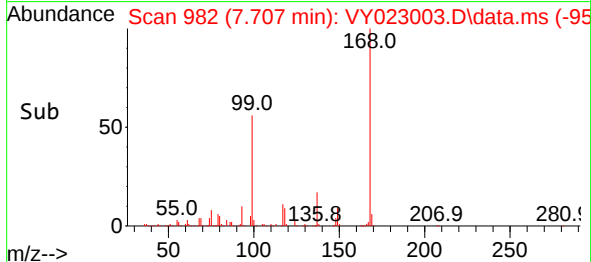
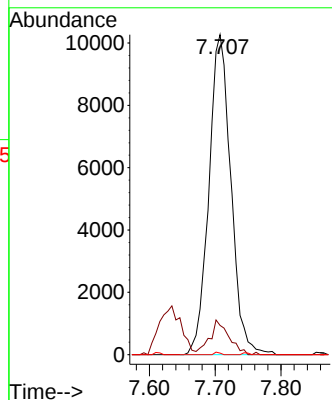
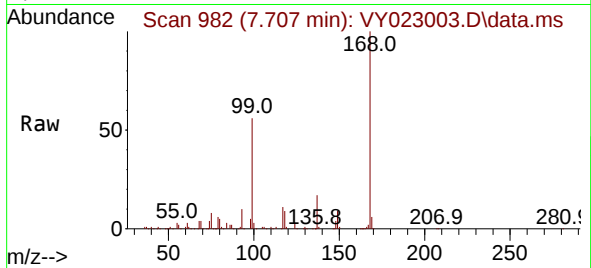




#36
1,1-Dichloropropene
Concen: 4.623 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY023003.D
Acq: 18 Jul 2025 17:23

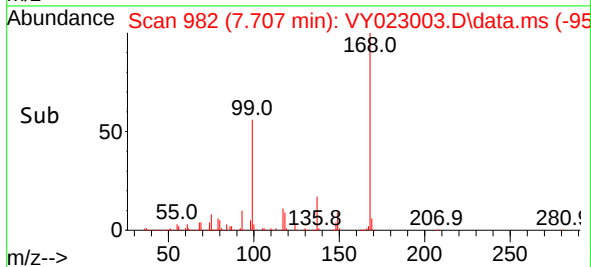
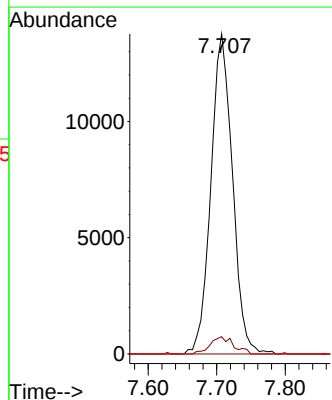
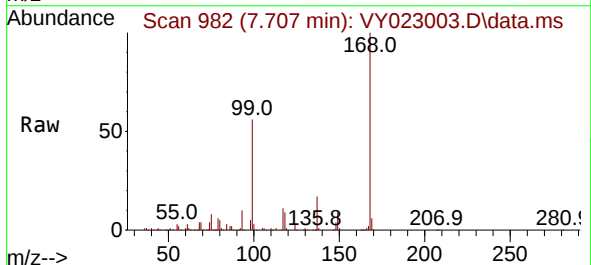
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ClientSampleId :
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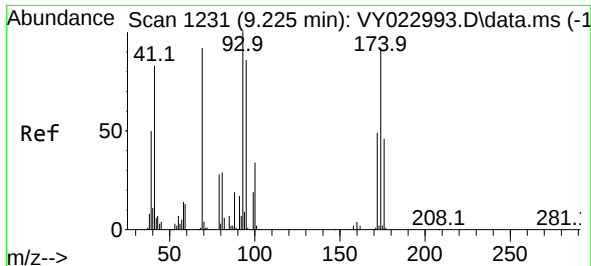
Tgt Ion: 75 Resp: 23920
Ion Ratio Lower Upper
75 100
110 9.4 17.3 51.9#
77 0.2 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.368 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.110 min
Lab File: VY023003.D
Acq: 18 Jul 2025 17:23

Tgt Ion: 117 Resp: 30171
Ion Ratio Lower Upper
117 100
119 5.4 74.9 112.3#
121 0.0 24.6 37.0#

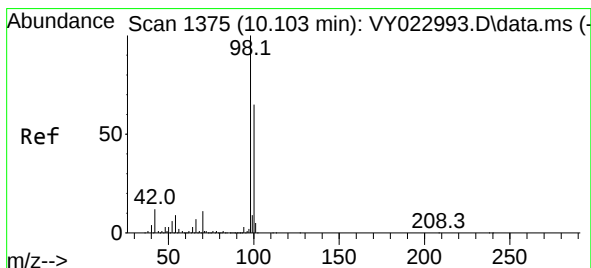
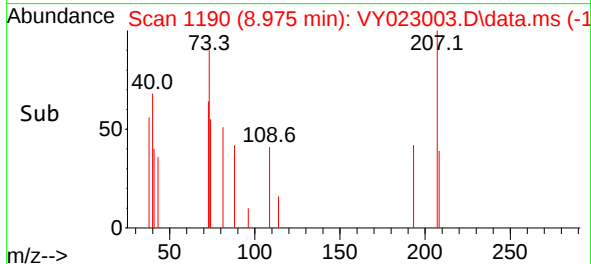
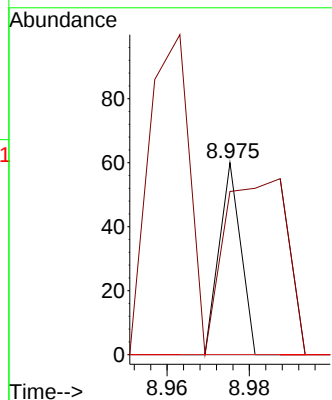
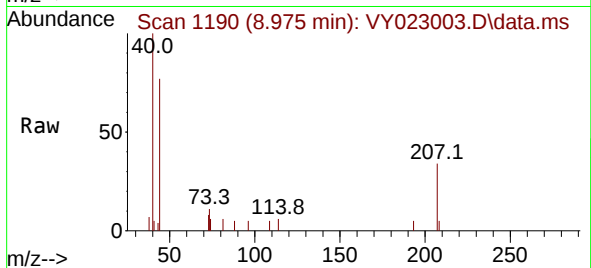




#49
1,4-Dioxane
Concen: 1.110 ug/l
RT: 8.975 min Scan# 1190
Delta R.T. -0.250 min
Lab File: VY023003.D
Acq: 18 Jul 2025 17:23

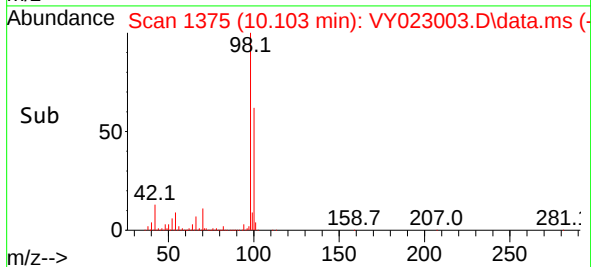
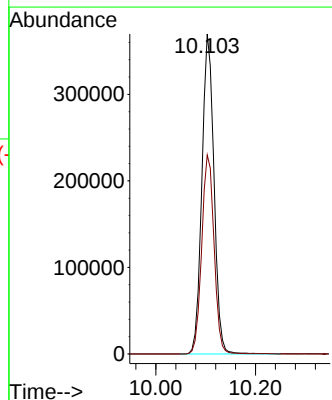
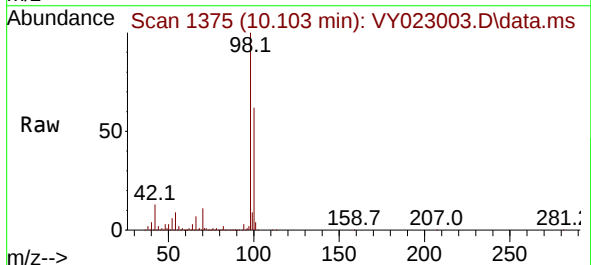
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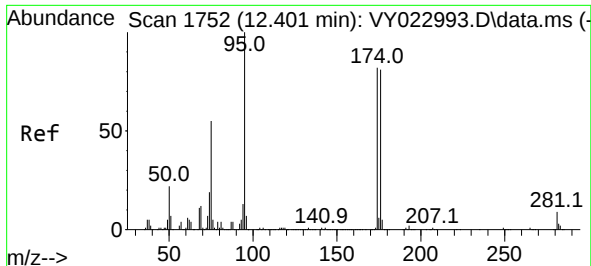
Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 309.1 28.7 43.1#
58 0.0 59.8 89.6#



#50
Toluene-d8
Concen: 47.676 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023003.D
Acq: 18 Jul 2025 17:23

Tgt Ion: 98 Resp: 620987
Ion Ratio Lower Upper
98 100
100 63.5 52.2 78.2

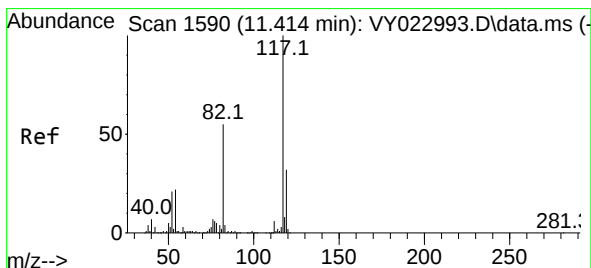
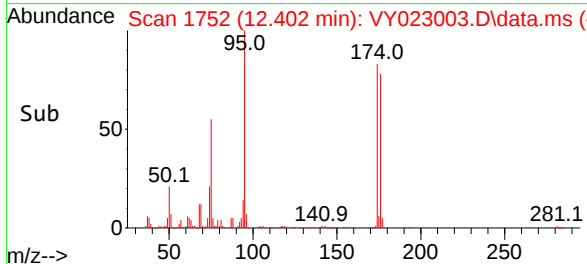
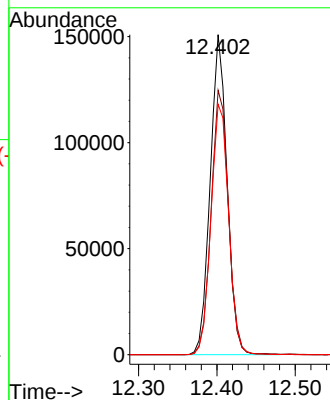
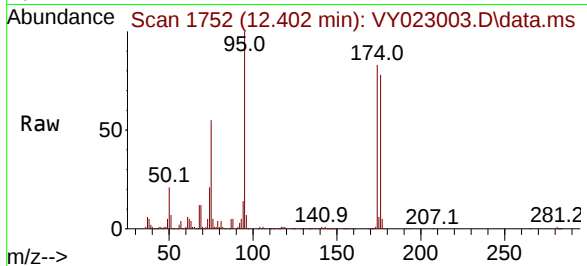




#62
4-Bromofluorobenzene
Concen: 55.021 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023003.D
Acq: 18 Jul 2025 17:23

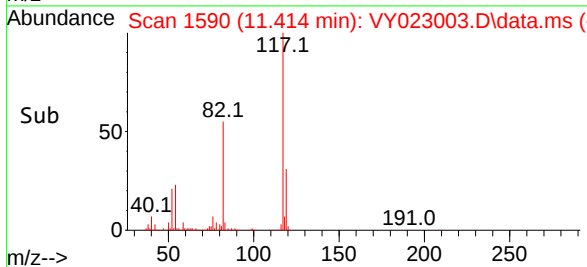
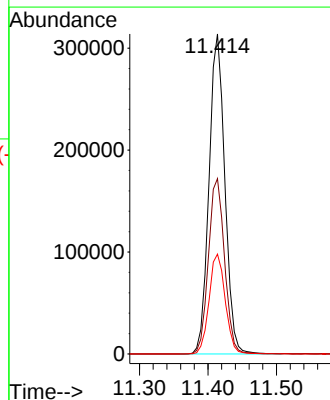
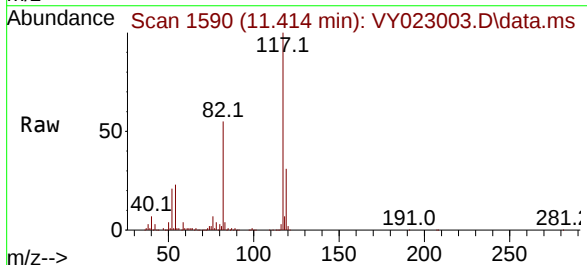
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-33-071725

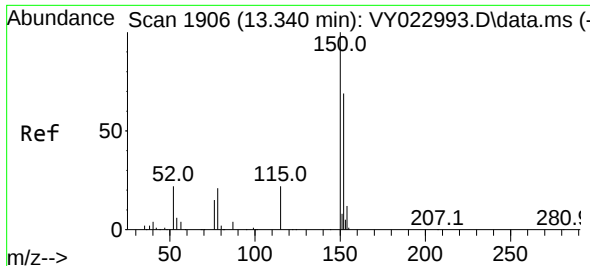
Tgt Ion: 95 Resp: 225593
Ion Ratio Lower Upper
95 100
174 85.2 0.0 170.8
176 81.8 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023003.D
Acq: 18 Jul 2025 17:23

Tgt Ion: 117 Resp: 504352
Ion Ratio Lower Upper
117 100
82 54.8 44.3 66.5
119 31.2 25.8 38.8

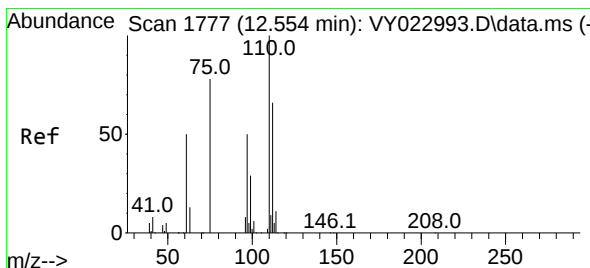
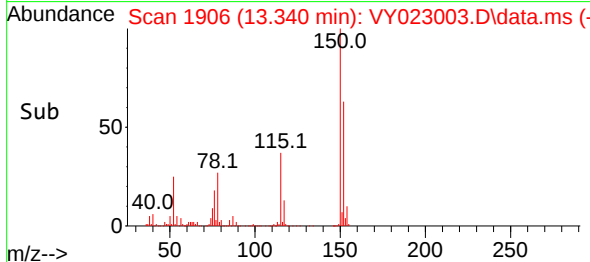
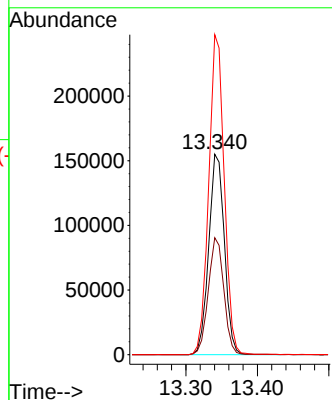
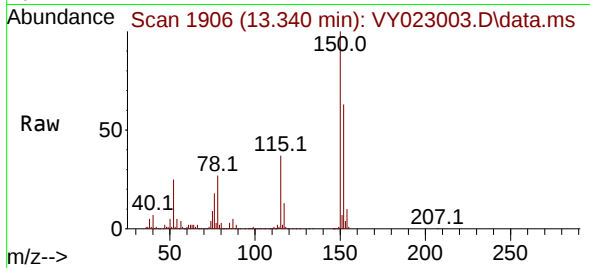




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1906
 Delta R.T. 0.000 min
 Lab File: VY023003.D
 Acq: 18 Jul 2025 17:23

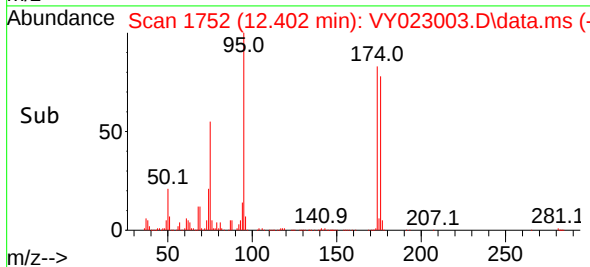
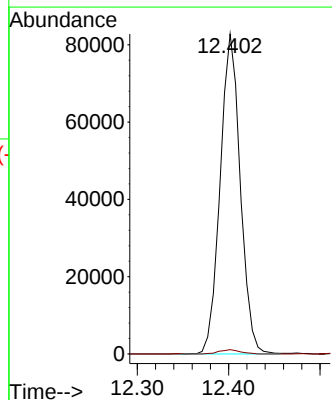
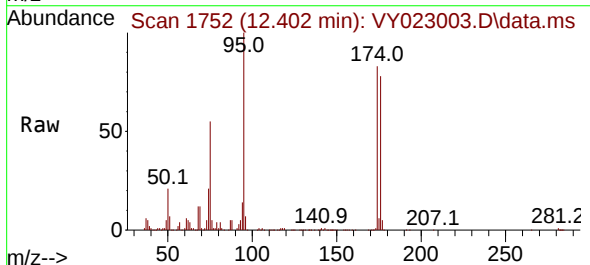
Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-33-071725

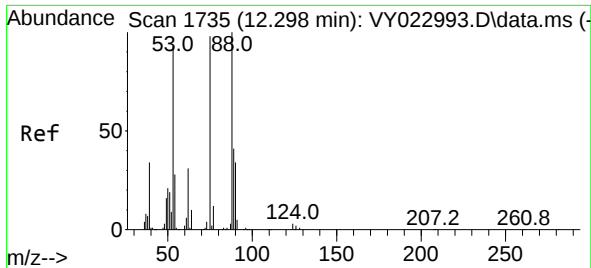
Tgt Ion:152 Resp: 236120
 Ion Ratio Lower Upper
 152 100
 115 57.9 29.4 88.2
 150 157.6 0.0 350.0



#76
 1,2,3-Trichloropropane
 Concen: 43.091 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY023003.D
 Acq: 18 Jul 2025 17:23

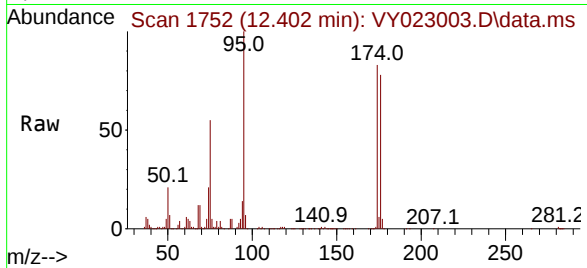
Tgt Ion: 75 Resp: 126784
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.345 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023003.D
 Acq: 18 Jul 2025 17:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-33-071725



Tgt Ion: 75 Resp: 126784
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.1 114.1#
 89 0.0 36.1 54.1#

