

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
 Data File : VY021783.D
 Acq On : 04 Apr 2025 14:13
 Operator : SY/MD
 Sample : Q1730-05
 Misc : 5.70g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-VSL-17-040325

Quant Time: Apr 04 23:39:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

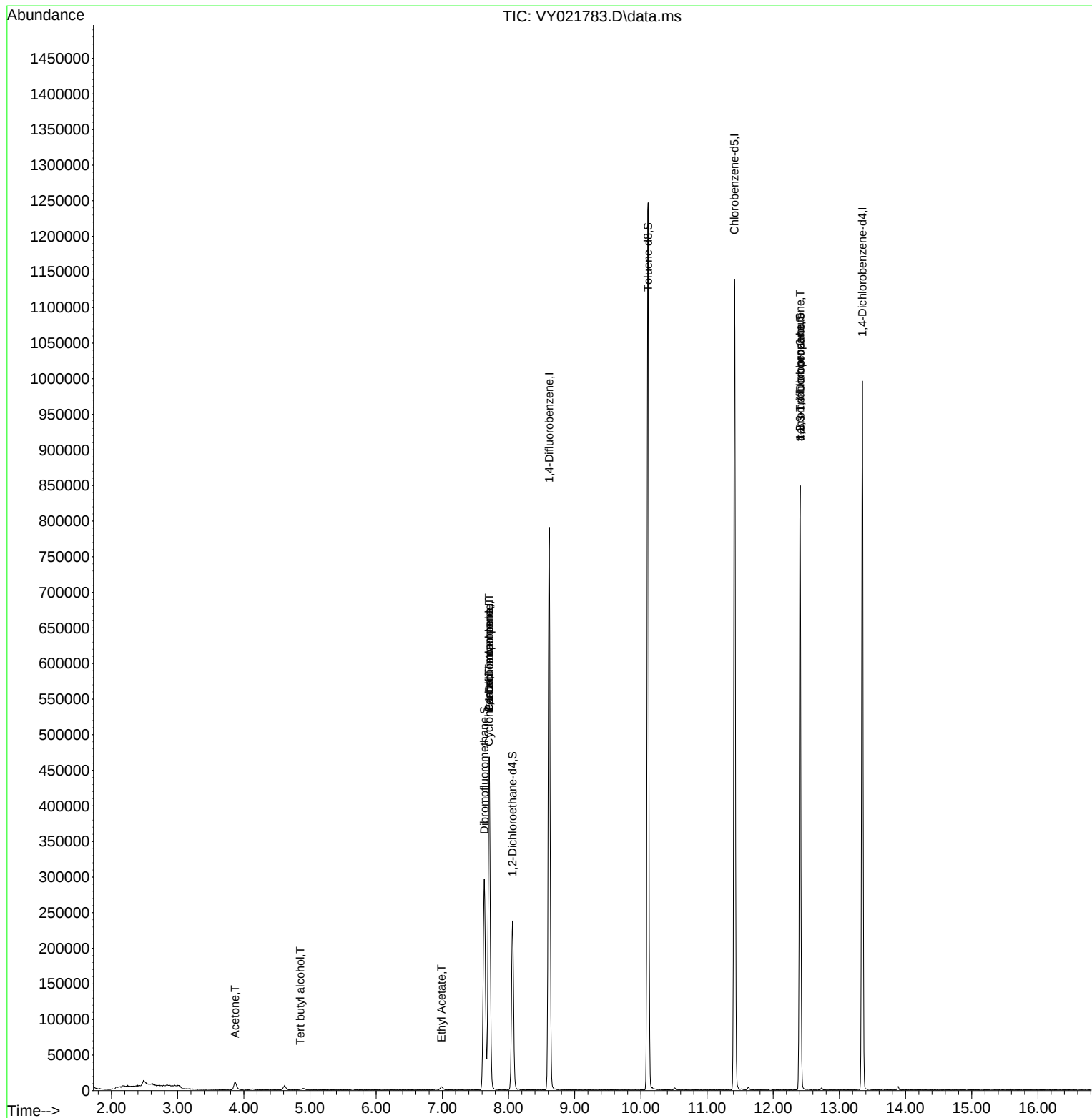
Internal Standards						
1) Pentafluorobenzene	7.707	168	345582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	659294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	587921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	238203	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	187709	50.132	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.260%	
35) Dibromofluoromethane	7.634	113	207764	48.580	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.160%	
50) Toluene-d8	10.109	98	800849	49.223	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.440%	
62) 4-Bromofluorobenzene	12.408	95	249093	45.263	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.520%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	985	4.050	ug/l #	70
16) Acetone	3.866	43	19586	25.559	ug/l	100
20) Methylene Chloride	4.616	84	3591	Below Cal		90
31) Cyclohexane	7.701	56	7527	1.139	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	28964	4.446	ug/l #	50
37) Ethyl Acetate	6.988	43	6886	2.240	ug/l	96
38) Carbon Tetrachloride	7.707	117	35214	4.720	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	133627	56.593	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	133627	130.399	ug/l #	12

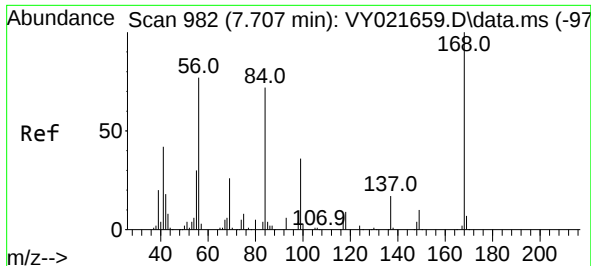
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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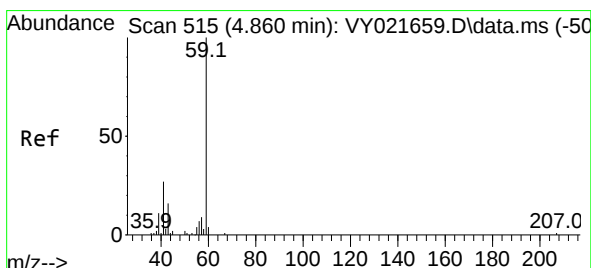
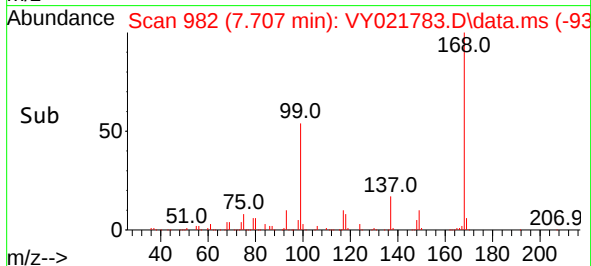
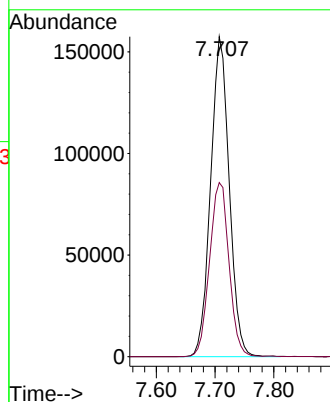
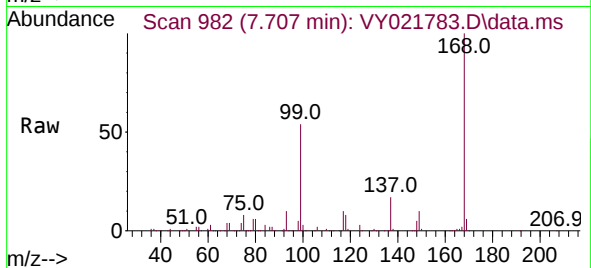




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021783.D
Acq: 04 Apr 2025 14:13

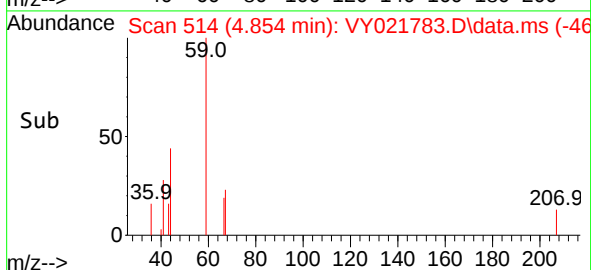
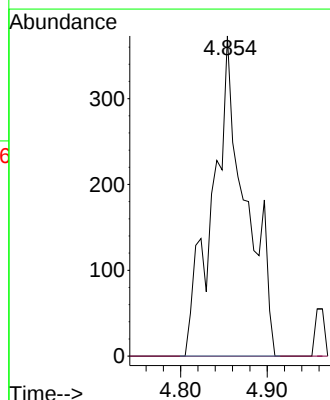
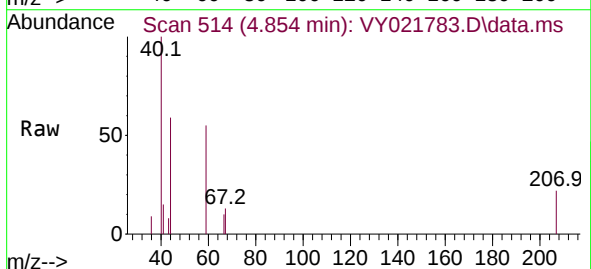
Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-17-040325

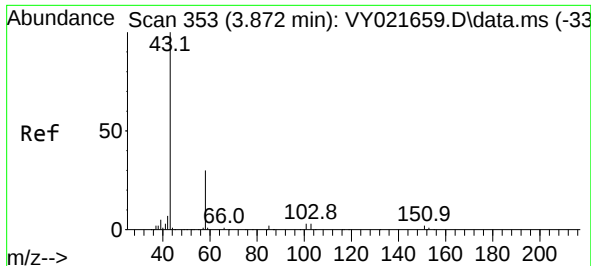
Tgt Ion:168 Resp: 345582
Ion Ratio Lower Upper
168 100
99 54.3 46.7 70.1



#11
Tert butyl alcohol
Concen: 4.050 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY021783.D
Acq: 04 Apr 2025 14:13

Tgt Ion: 59 Resp: 985
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#

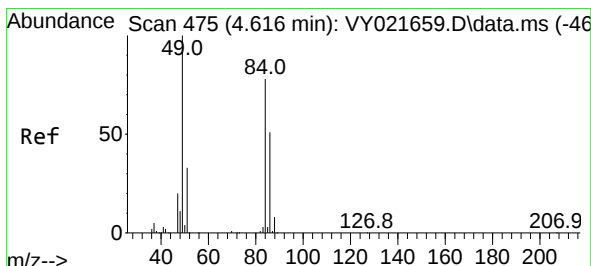
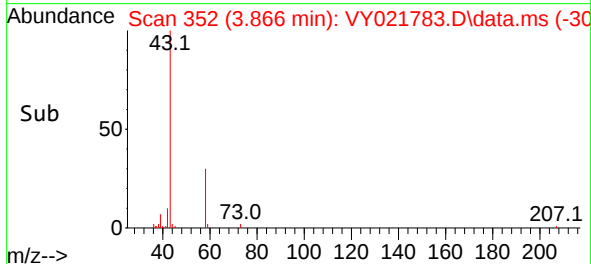
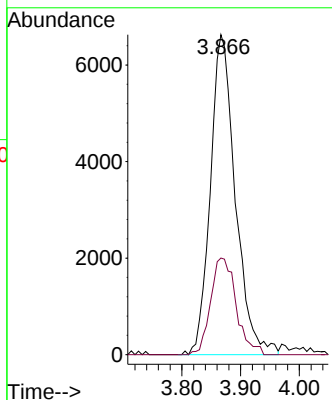
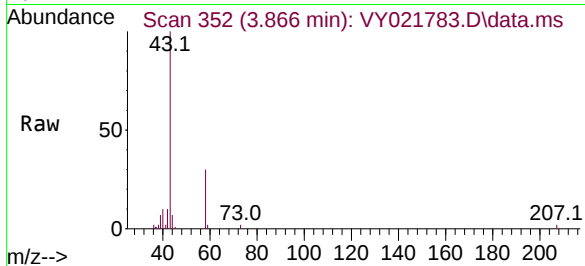




#16
Acetone
Concen: 25.559 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY021783.D
Acq: 04 Apr 2025 14:13

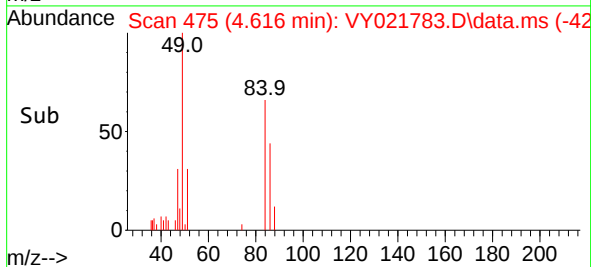
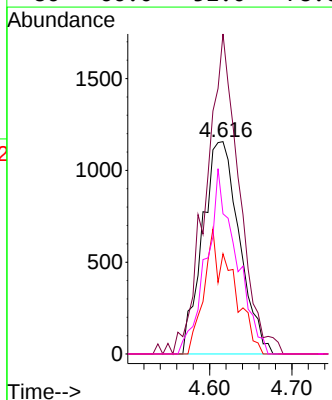
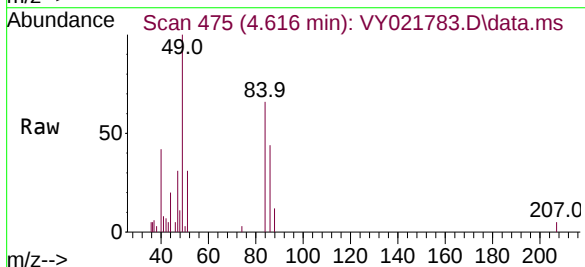
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ClientSampleId :
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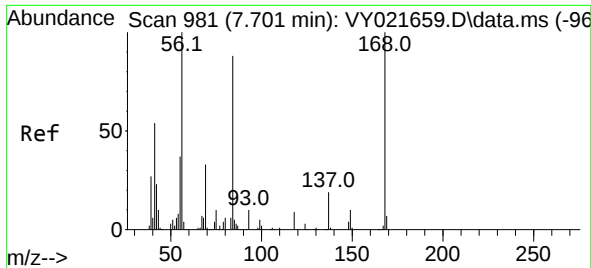
Tgt Ion: 43 Resp: 19586
Ion Ratio Lower Upper
43 100
58 30.2 24.2 36.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021783.D
Acq: 04 Apr 2025 14:13

Tgt Ion: 84 Resp: 3591
Ion Ratio Lower Upper
84 100
49 145.1 102.8 154.2
51 47.2 33.5 50.3
86 66.0 52.0 78.0

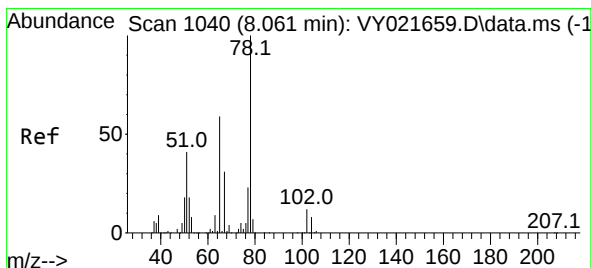
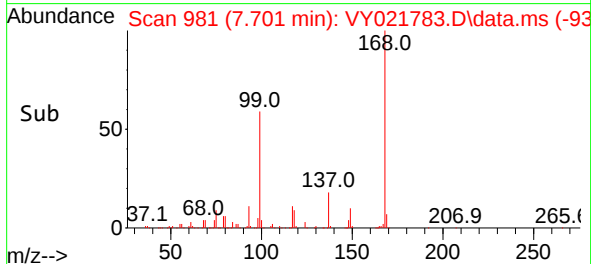
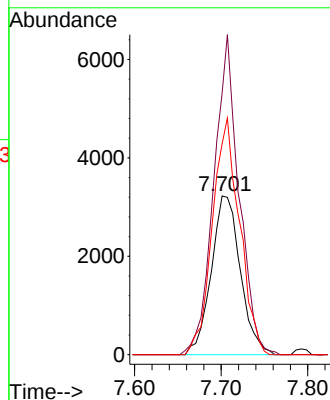
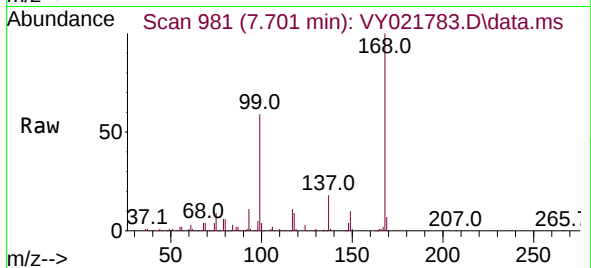




#31
Cyclohexane
Concen: 1.139 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021783.D
Acq: 04 Apr 2025 14:13

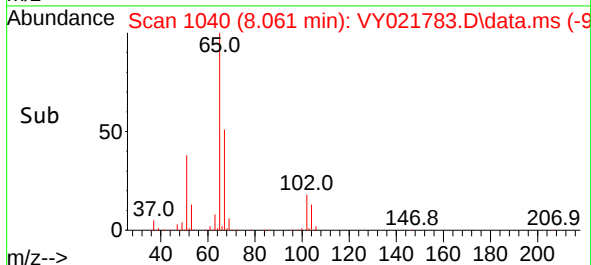
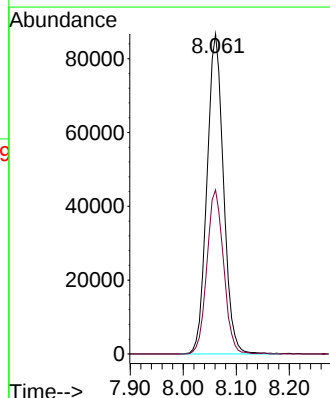
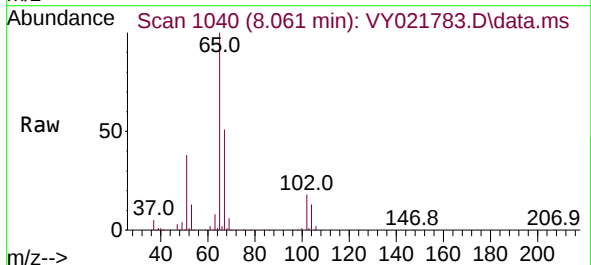
Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-17-040325

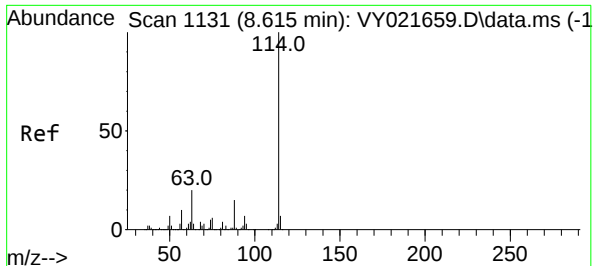
Tgt Ion: 56 Resp: 7527
Ion Ratio Lower Upper
56 100
69 164.7 26.6 40.0#
84 132.9 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 50.132 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021783.D
Acq: 04 Apr 2025 14:13

Tgt Ion: 65 Resp: 187709
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021783.D

Acq: 04 Apr 2025 14:13

Instrument :

MSVOA_Y

ClientSampleId :

OU4-VSL-17-040325

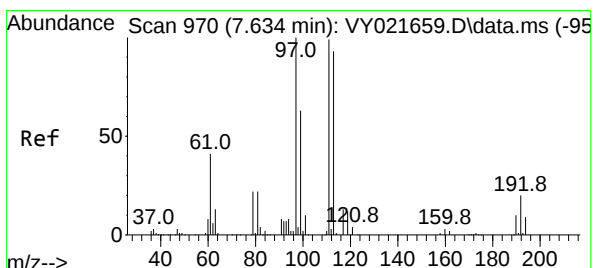
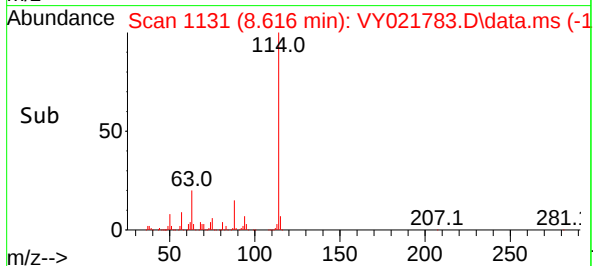
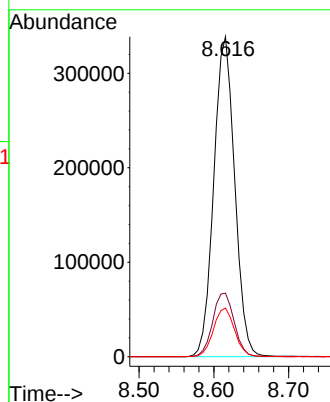
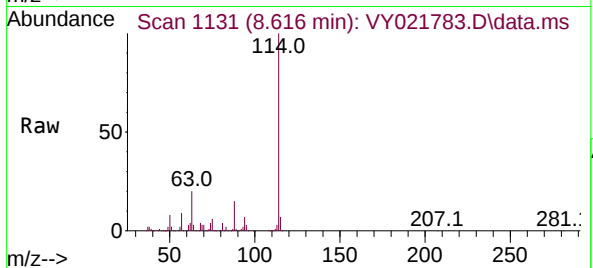
Tgt Ion:114 Resp: 659294

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.2

88 15.2 0.0 29.8



#35

Dibromofluoromethane

Concen: 48.580 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021783.D

Acq: 04 Apr 2025 14:13

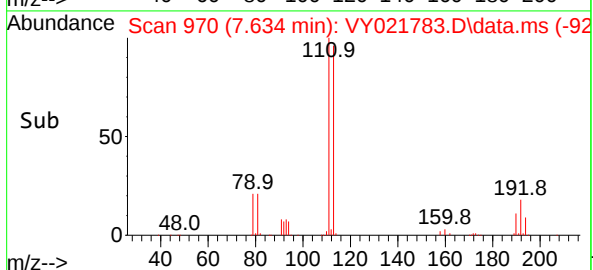
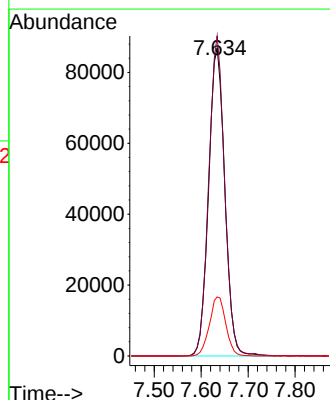
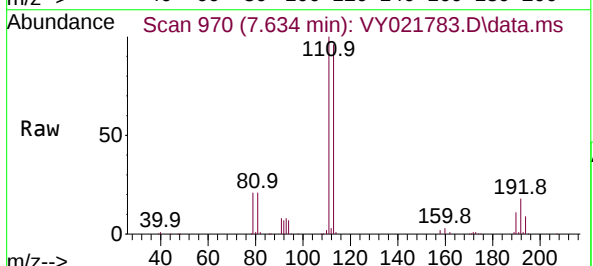
Tgt Ion:113 Resp: 207764

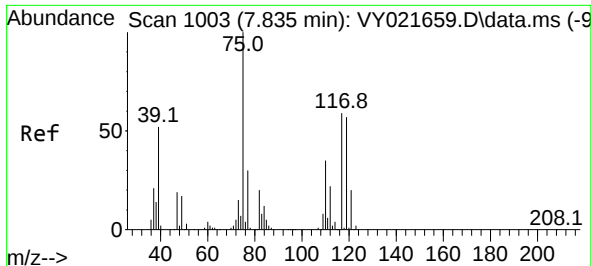
Ion Ratio Lower Upper

113 100

111 101.8 82.6 123.8

192 19.3 16.2 24.4

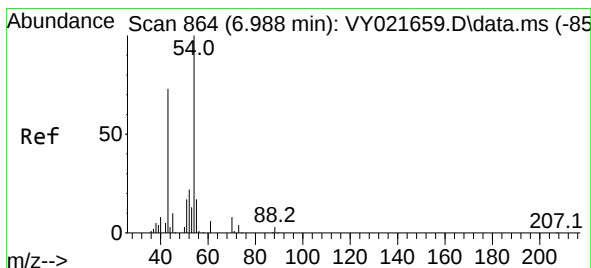
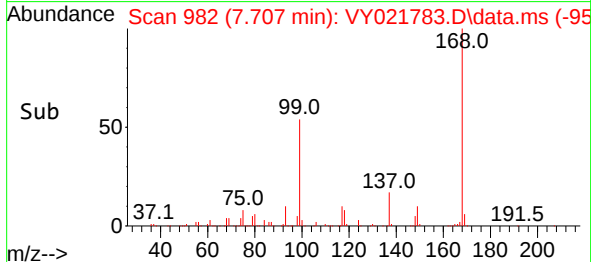
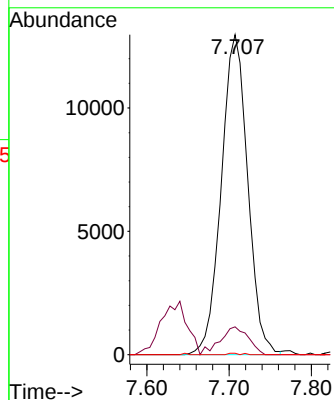
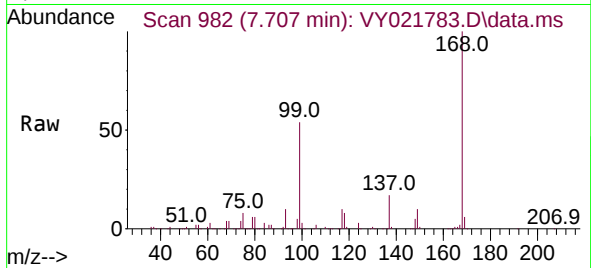




#36
1,1-Dichloropropene
Concen: 4.446 ug/l
RT: 7.707 min Scan# 911
Delta R.T. -0.128 min
Lab File: VY021783.D
Acq: 04 Apr 2025 14:13

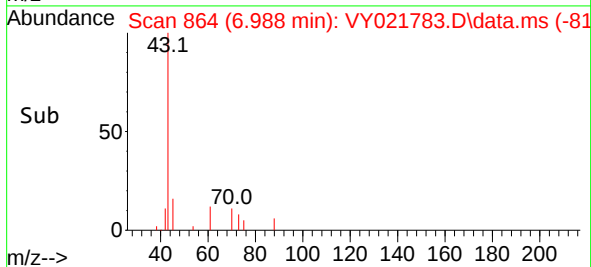
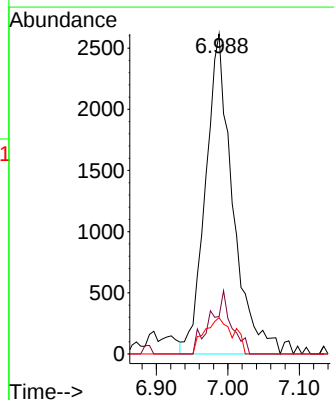
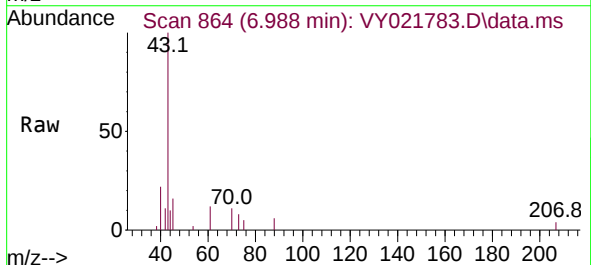
Instrument :
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ClientSampleId :
OU4-VSL-17-040325

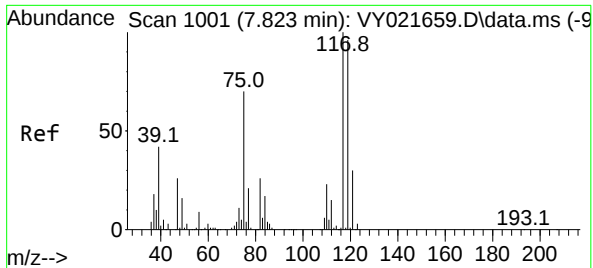
Tgt Ion: 75 Resp: 28964
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.2 24.8 37.2#



#37
Ethyl Acetate
Concen: 2.240 ug/l
RT: 6.988 min Scan# 864
Delta R.T. 0.000 min
Lab File: VY021783.D
Acq: 04 Apr 2025 14:13

Tgt Ion: 43 Resp: 6886
Ion Ratio Lower Upper
43 100
61 15.3 11.0 16.6
70 12.0 8.1 12.1

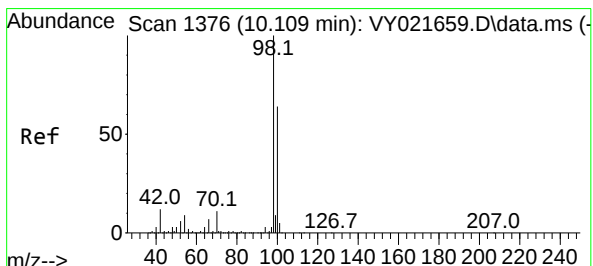
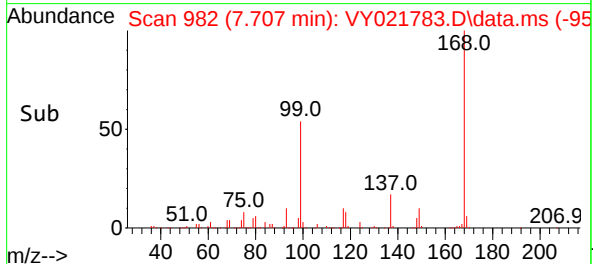
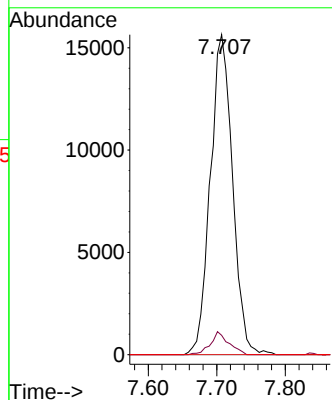
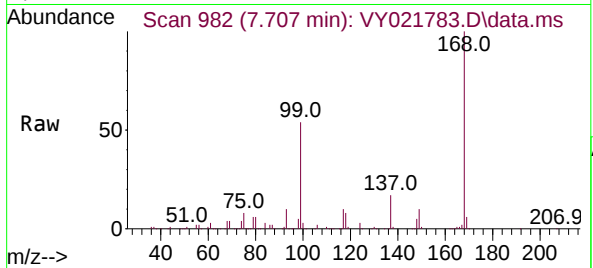




#38
Carbon Tetrachloride
Concen: 4.720 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY021783.D
Acq: 04 Apr 2025 14:13

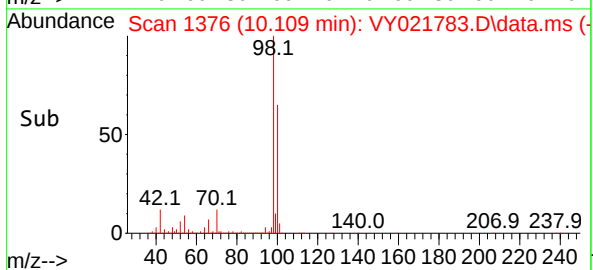
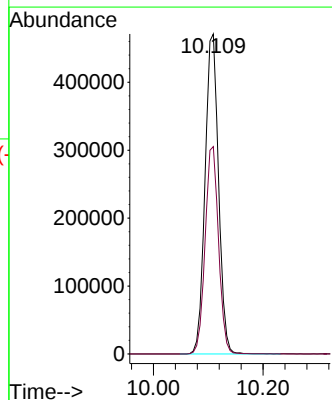
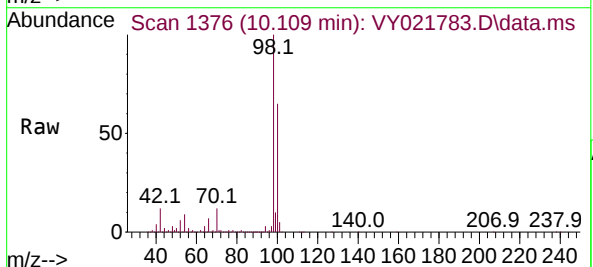
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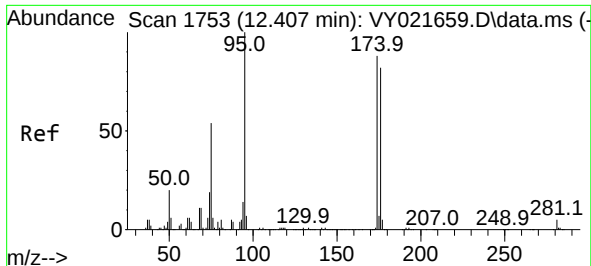
Tgt Ion:117 Resp: 35214
Ion Ratio Lower Upper
117 100
119 6.1 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 49.223 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021783.D
Acq: 04 Apr 2025 14:13

Tgt Ion: 98 Resp: 800849
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1

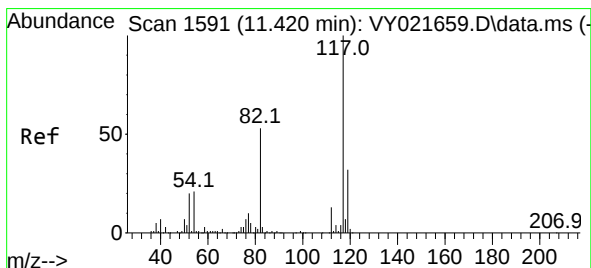
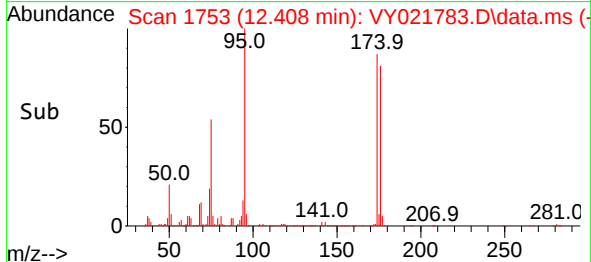
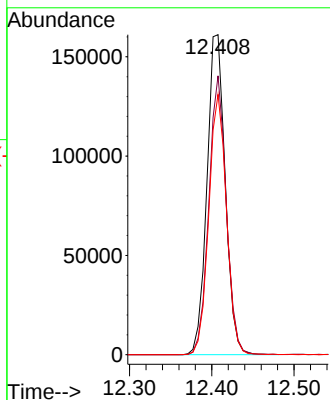
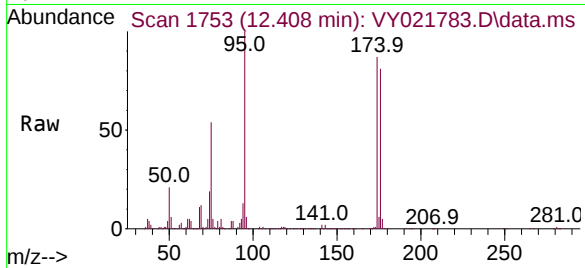




#62
4-Bromofluorobenzene
Concen: 45.263 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021783.D
Acq: 04 Apr 2025 14:13

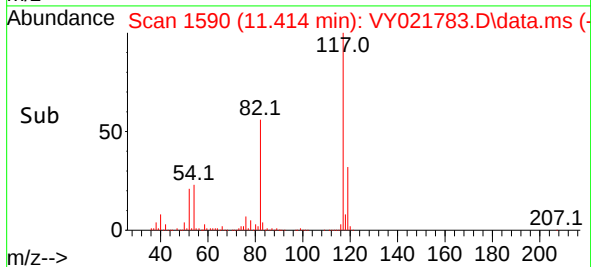
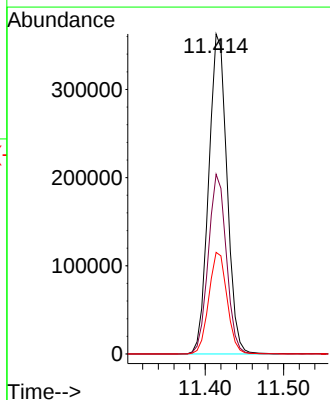
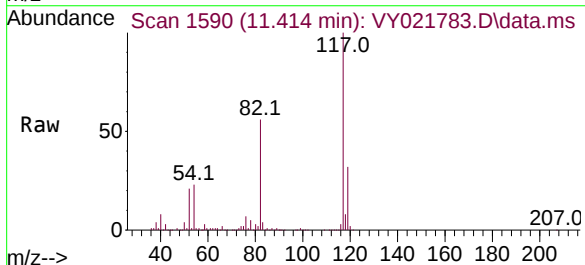
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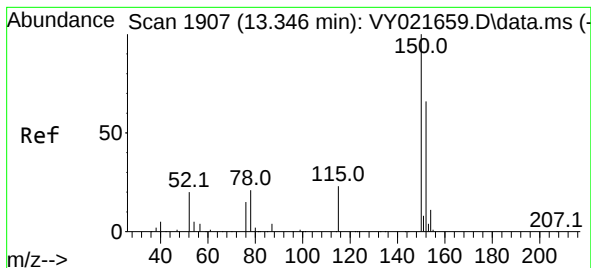
Tgt Ion: 95 Resp: 249093
Ion Ratio Lower Upper
95 100
174 83.1 0.0 170.8
176 78.6 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021783.D
Acq: 04 Apr 2025 14:13

Tgt Ion: 117 Resp: 587921
Ion Ratio Lower Upper
117 100
82 56.1 42.8 64.2
119 31.7 25.7 38.5

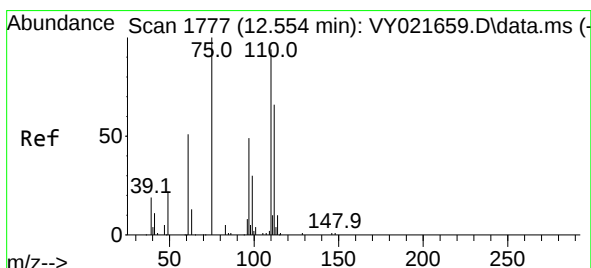
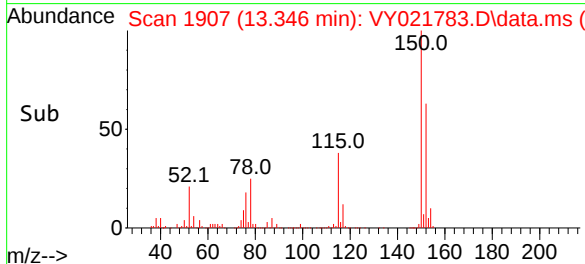
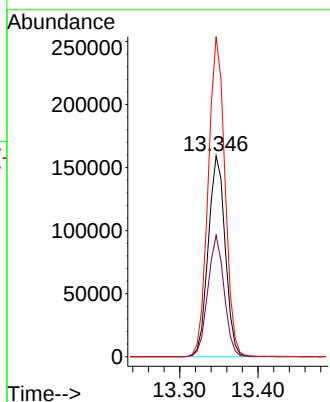
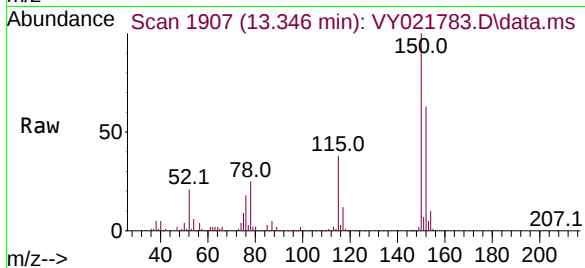




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY021783.D
 Acq: 04 Apr 2025 14:13

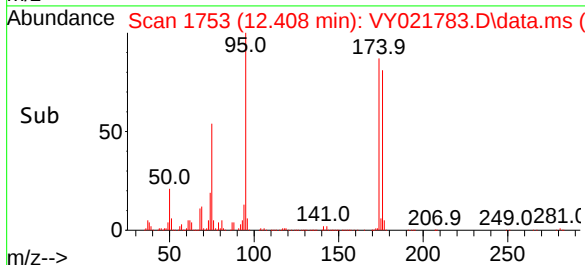
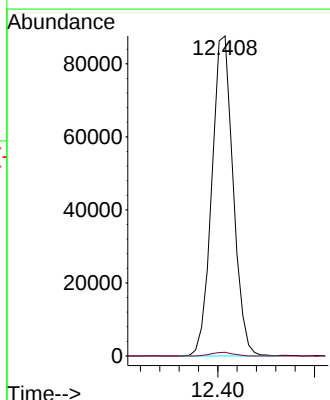
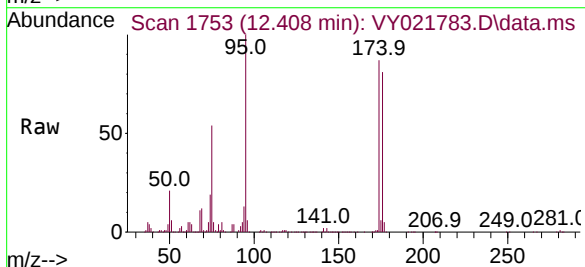
Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-VSL-17-040325

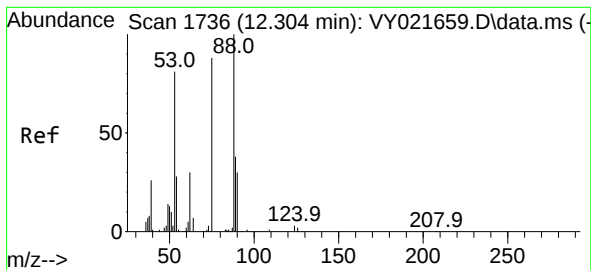
Tgt Ion:152 Resp: 238203
 Ion Ratio Lower Upper
 152 100
 115 58.2 28.8 86.5
 150 158.1 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 56.593 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY021783.D
 Acq: 04 Apr 2025 14:13

Tgt Ion: 75 Resp: 133627
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.399 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021783.D
 Acq: 04 Apr 2025 14:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-VSL-17-040325

Tgt Ion: 75 Resp: 133627
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.1 114.1#
 89 0.0 36.2 54.4#

