

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
 Data File : VY021781.D
 Acq On : 04 Apr 2025 13:27
 Operator : SY/MD
 Sample : Q1730-01
 Misc : 5.21g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-VSL-15-040325

Quant Time: Apr 04 23:39:30 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)

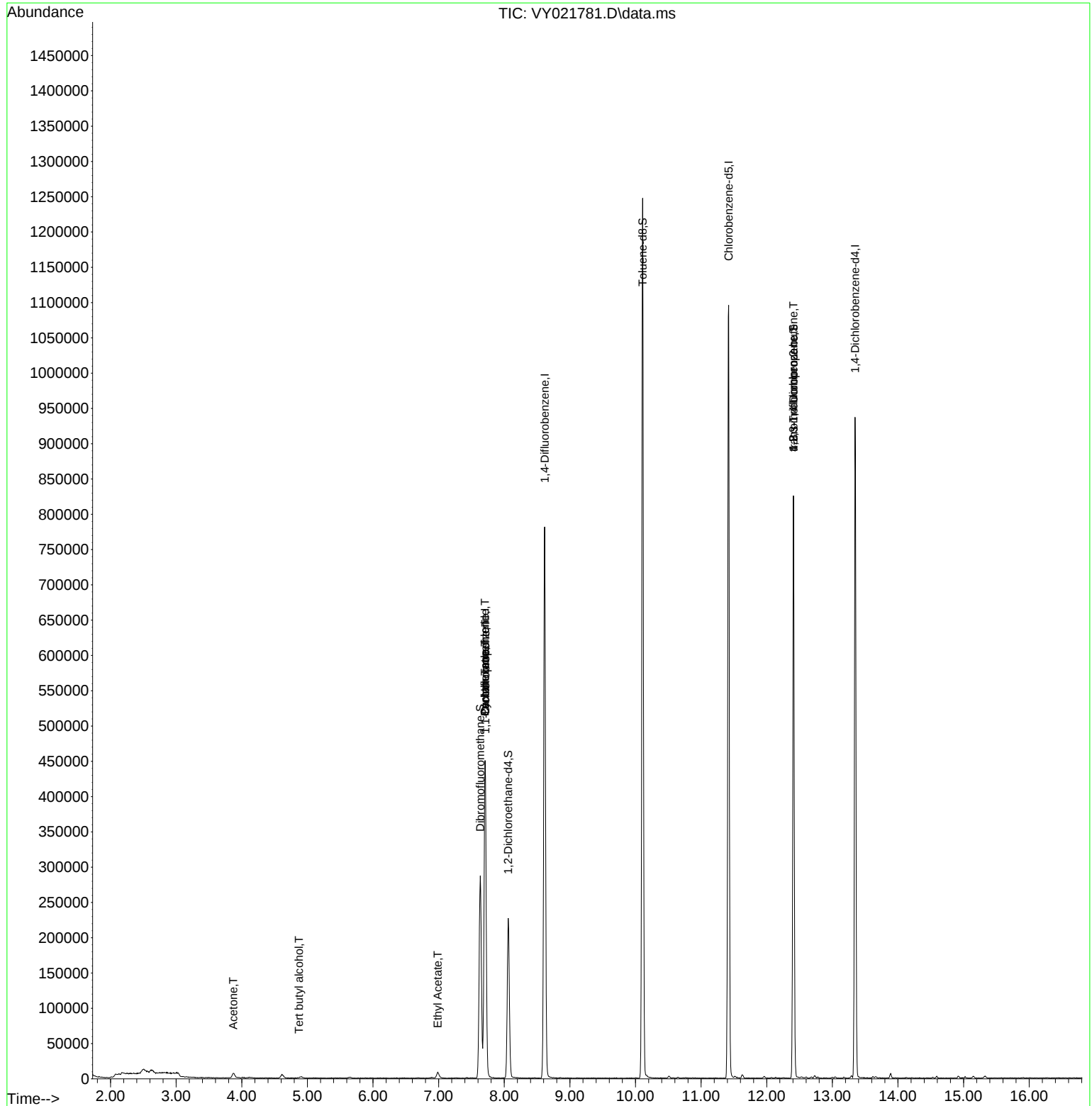
Internal Standards						
1) Pentafluorobenzene	7.707	168	343368	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	647395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	573735	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	228826	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	179805	48.331	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.660%
35) Dibromofluoromethane	7.634	113	200979	47.857	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.720%
50) Toluene-d8	10.109	98	782529	48.981	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.960%
62) 4-Bromofluorobenzene	12.408	95	240375	44.481	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.960%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.872	59	304	1.258	ug/l	95
16) Acetone	3.872	43	12606	16.556	ug/l	99
20) Methylene Chloride	4.610	84	3512	Below Cal	#	86
31) Cyclohexane	7.707	56	8275	1.260	ug/l #	23
36) 1,1-Dichloropropene	7.713	75	28284	4.422	ug/l #	50
37) Ethyl Acetate	6.988	43	13216	4.378	ug/l	99
38) Carbon Tetrachloride	7.707	117	35215	4.807	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	127917	56.394	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	127917	129.942	ug/l #	12

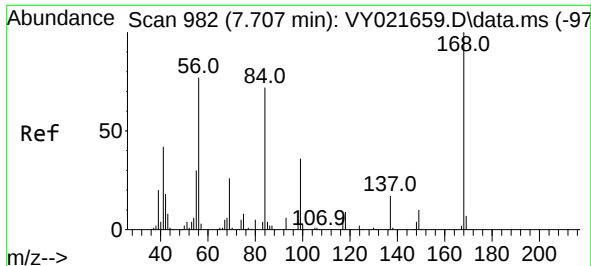
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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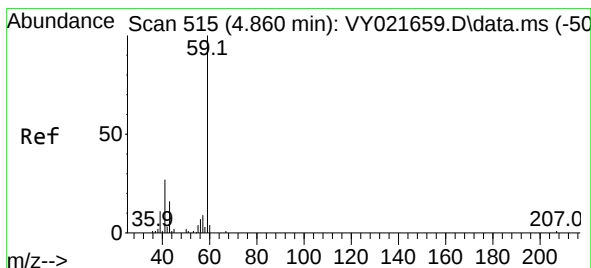
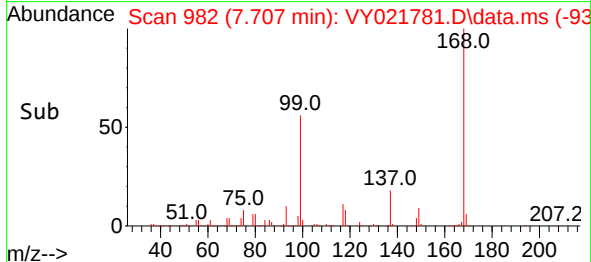
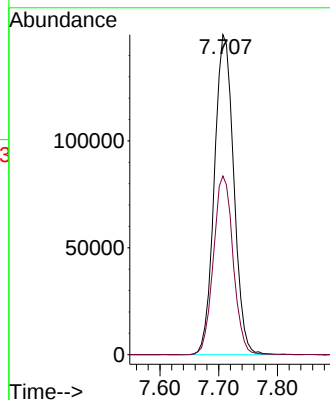
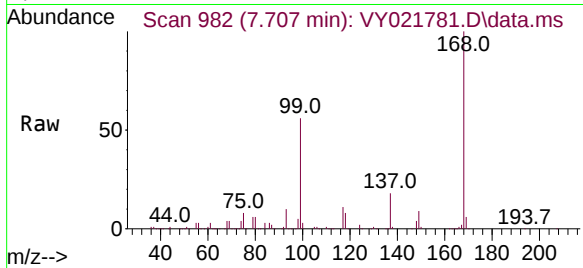




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021781.D
Acq: 04 Apr 2025 13:27

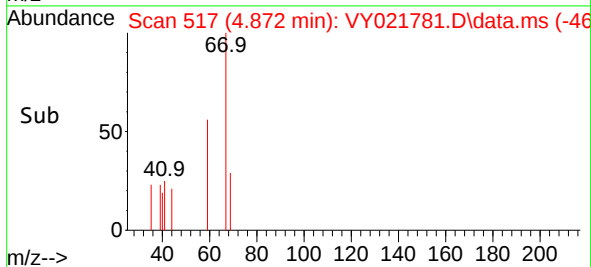
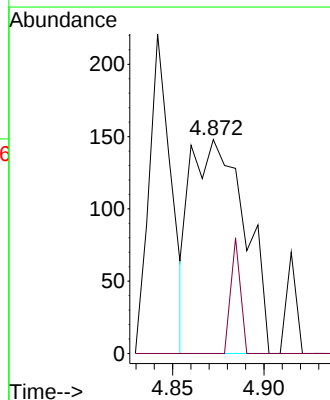
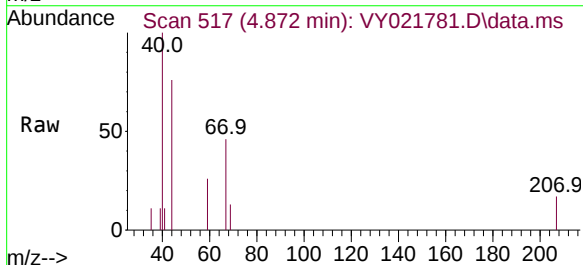
Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-15-040325

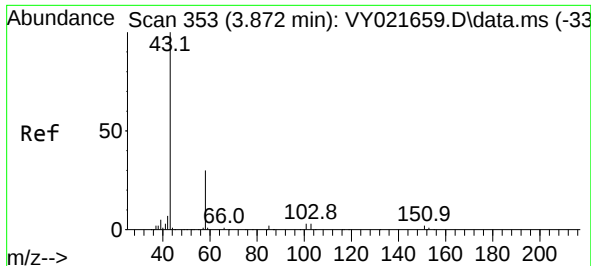
Tgt Ion:168 Resp: 343368
Ion Ratio Lower Upper
168 100
99 55.8 46.7 70.1



#11
Tert butyl alcohol
Concen: 1.258 ug/l
RT: 4.872 min Scan# 517
Delta R.T. 0.012 min
Lab File: VY021781.D
Acq: 04 Apr 2025 13:27

Tgt Ion: 59 Resp: 304
Ion Ratio Lower Upper
59 100
57 9.5 9.2 13.8

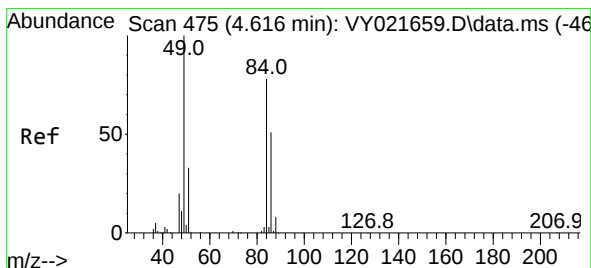
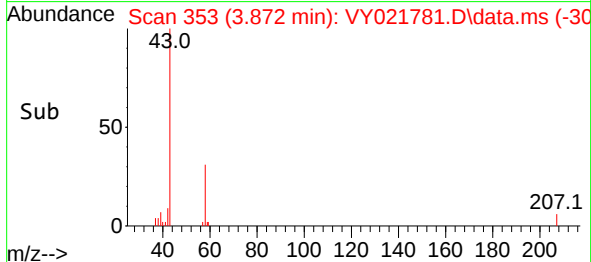
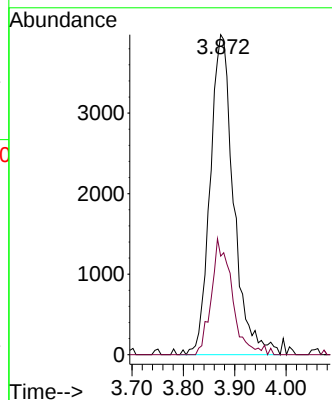
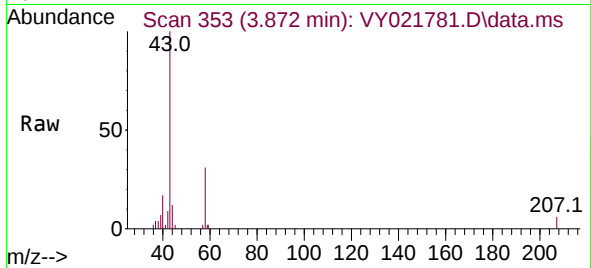




#16
Acetone
Concen: 16.556 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021781.D
Acq: 04 Apr 2025 13:27

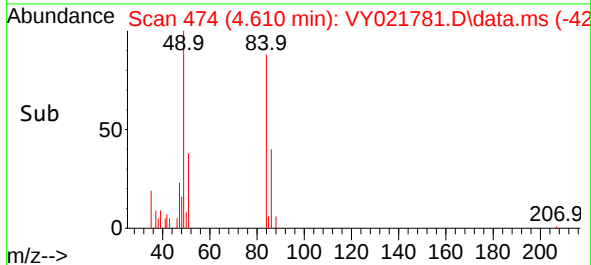
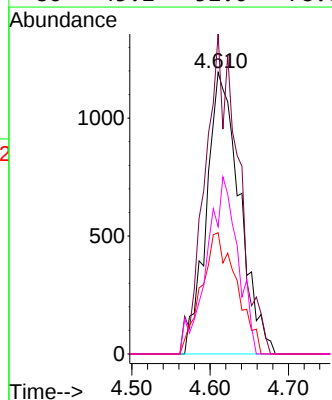
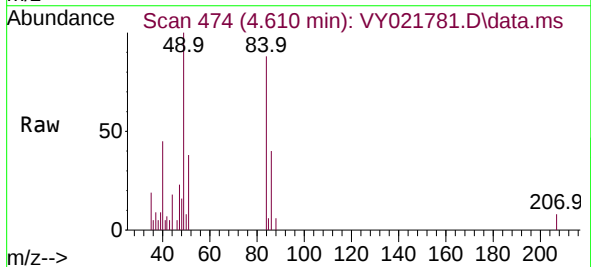
Instrument :
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OU4-VSL-15-040325

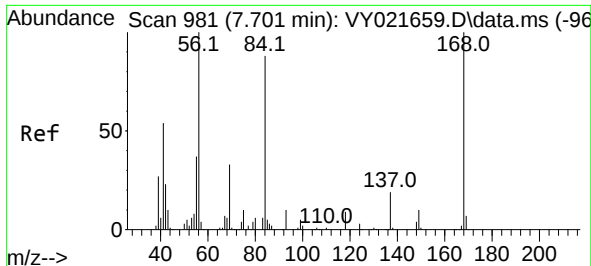
Tgt Ion: 43 Resp: 12606
Ion Ratio Lower Upper
43 100
58 30.8 24.2 36.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY021781.D
Acq: 04 Apr 2025 13:27

Tgt Ion: 84 Resp: 3512
Ion Ratio Lower Upper
84 100
49 113.7 102.8 154.2
51 43.0 33.5 50.3
86 45.2 52.0 78.0#

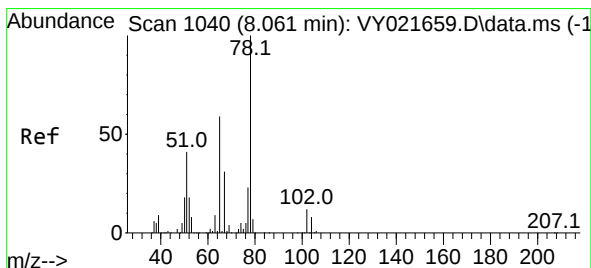
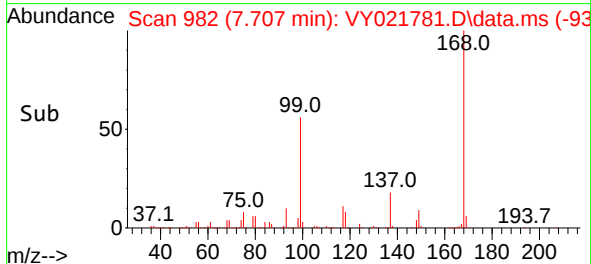
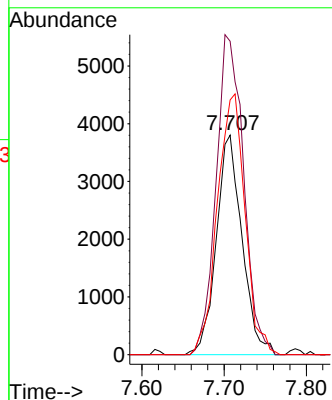
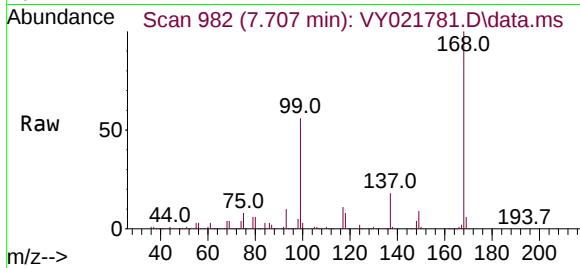




#31
Cyclohexane
Concen: 1.260 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021781.D
Acq: 04 Apr 2025 13:27

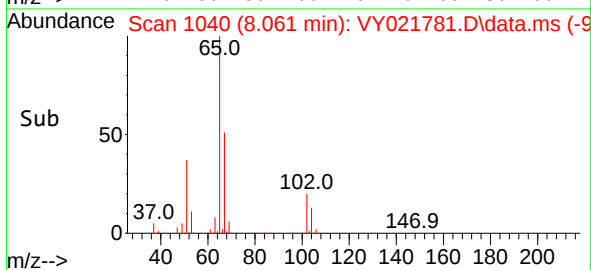
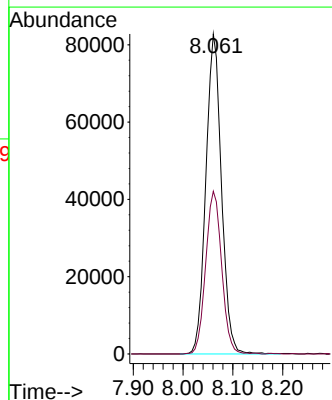
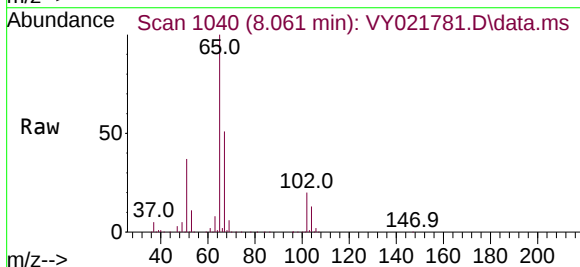
Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-15-040325

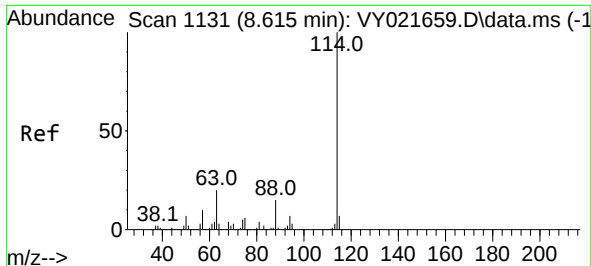
Tgt Ion: 56 Resp: 8275
Ion Ratio Lower Upper
56 100
69 142.8 26.6 40.0#
84 116.1 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 48.331 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021781.D
Acq: 04 Apr 2025 13:27

Tgt Ion: 65 Resp: 179805
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.6

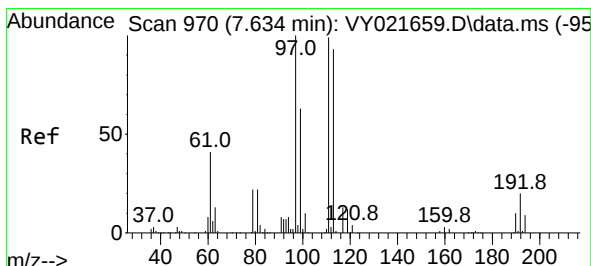
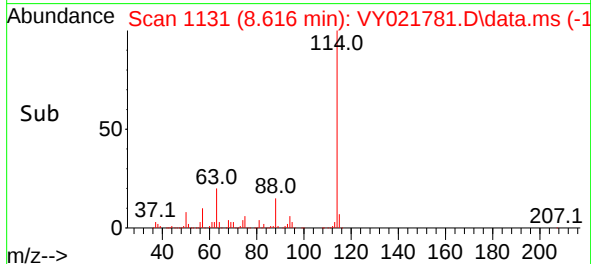
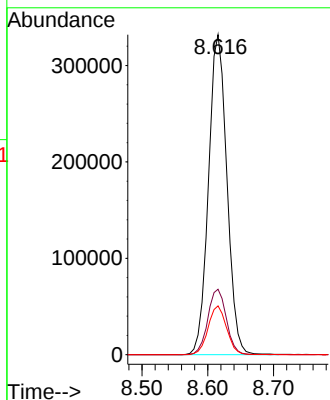
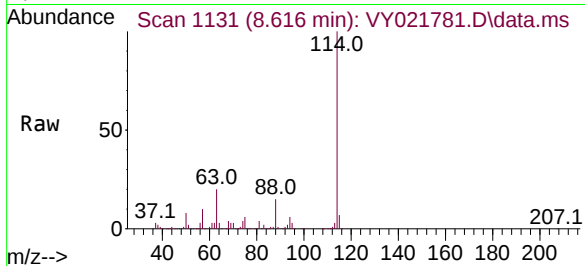




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021781.D
Acq: 04 Apr 2025 13:27

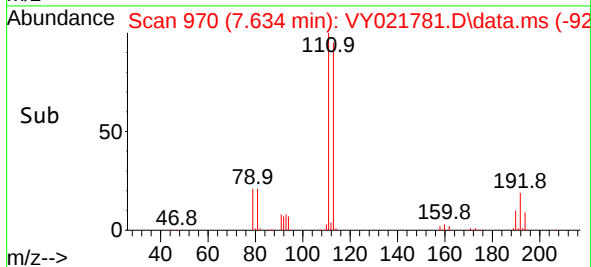
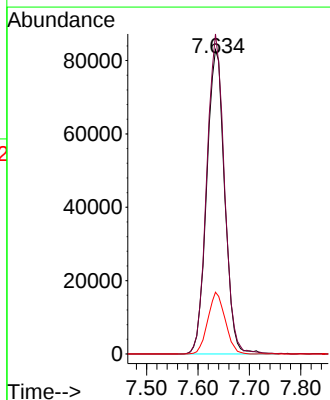
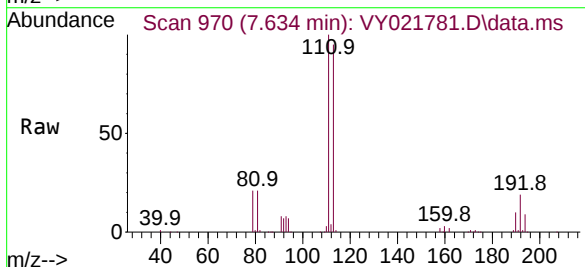
Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-15-040325

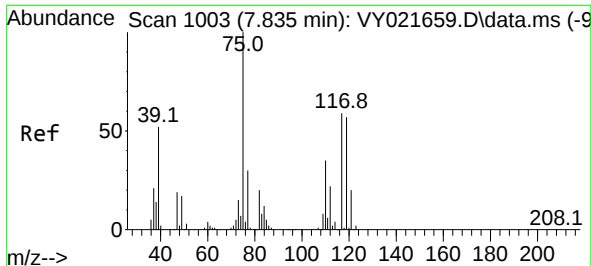
Tgt Ion:	114	Resp:	647395
Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.2
88	15.3	0.0	29.8



#35
Dibromofluoromethane
Concen: 47.857 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021781.D
Acq: 04 Apr 2025 13:27

Tgt Ion:	113	Resp:	200979
Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.6	123.8
192	19.6	16.2	24.4





#36

1,1-Dichloropropene

Concen: 4.422 ug/l

RT: 7.713 min Scan# 9

Delta R.T. -0.122 min

Lab File: VY021781.D

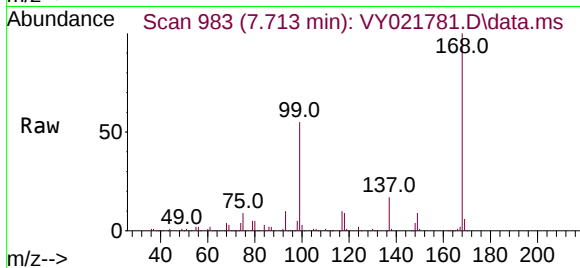
Acq: 04 Apr 2025 13:27

Instrument :

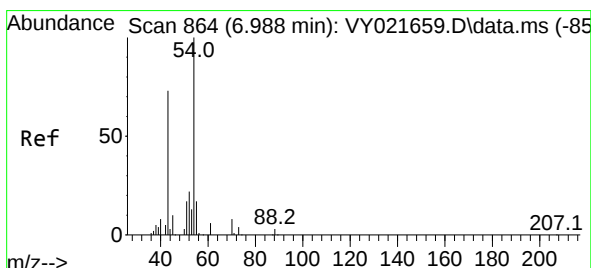
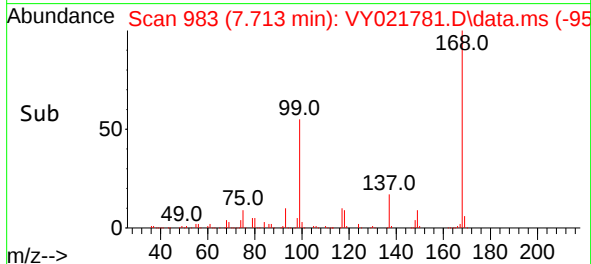
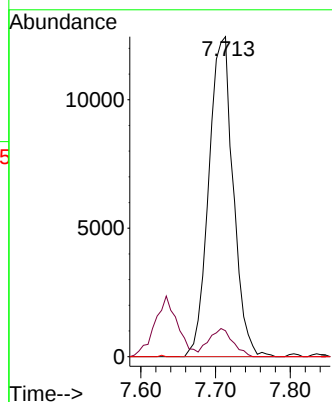
MSVOA_Y

ClientSampleId :

OU4-VSL-15-040325



Tgt Ion:	75	Resp:	28284
Ion Ratio	Lower	Upper	
75	100		
110	8.6	17.0	50.9#
77	0.0	24.8	37.2#



#37

Ethyl Acetate

Concen: 4.378 ug/l

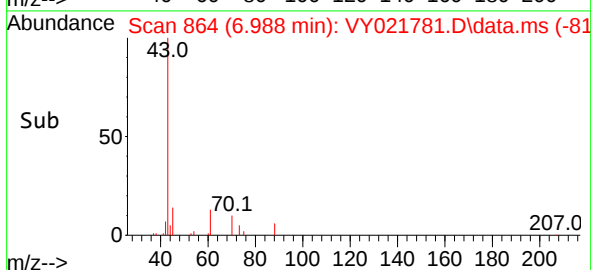
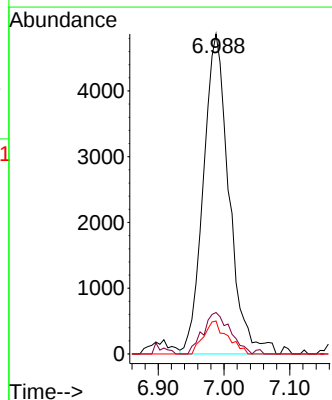
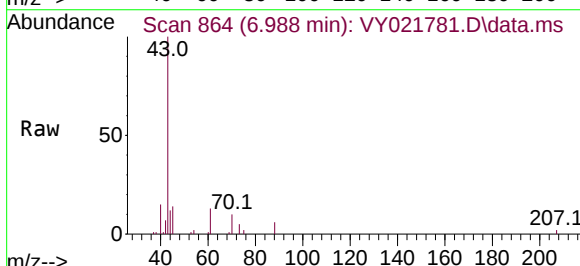
RT: 6.988 min Scan# 864

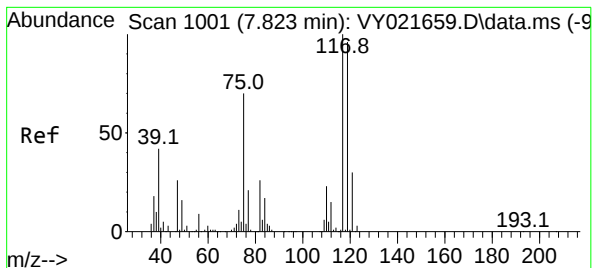
Delta R.T. 0.000 min

Lab File: VY021781.D

Acq: 04 Apr 2025 13:27

Tgt Ion:	43	Resp:	13216
Ion Ratio	Lower	Upper	
43	100		
61	13.7	11.0	16.6
70	9.5	8.1	12.1





#38

Carbon Tetrachloride

Concen: 4.807 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.116 min

Lab File: VY021781.D

Acq: 04 Apr 2025 13:27

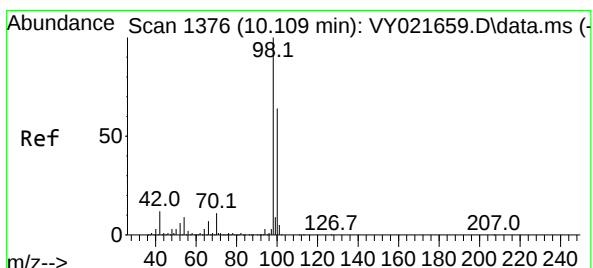
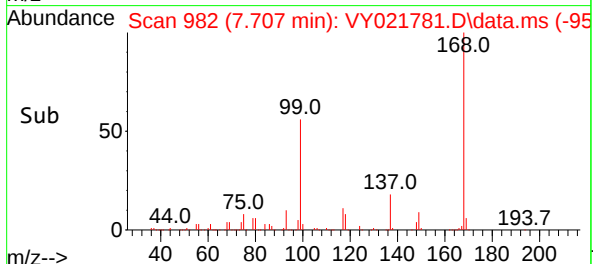
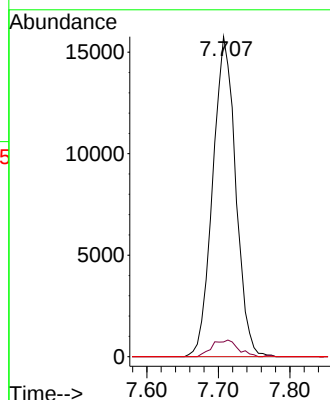
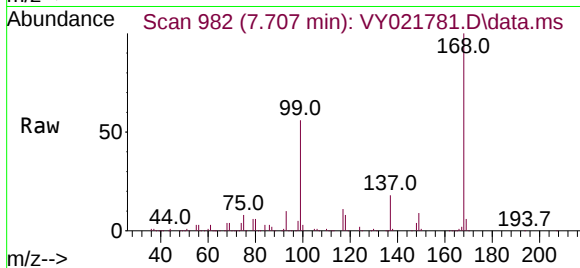
Instrument :

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ClientSampleId :

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Tgt Ion:117	Resp:	35215
Ion	Ratio	Lower Upper
117	100	
119	4.6	76.2 114.4#
121	0.0	24.2 36.4#



#50

Toluene-d8

Concen: 48.981 ug/l

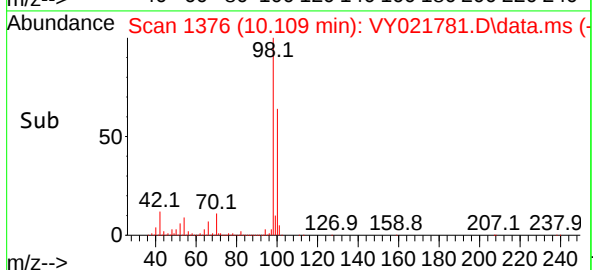
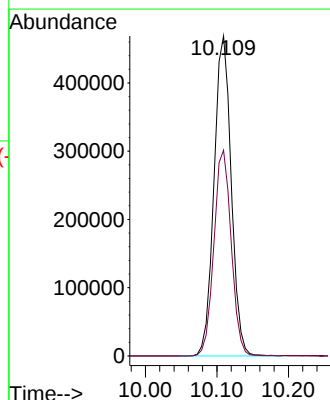
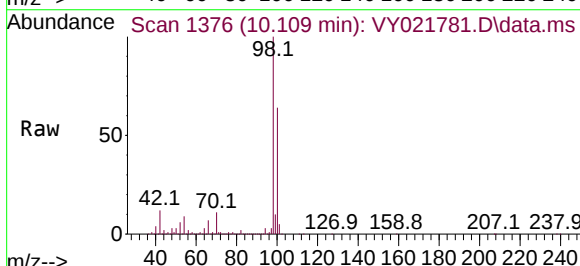
RT: 10.109 min Scan# 1376

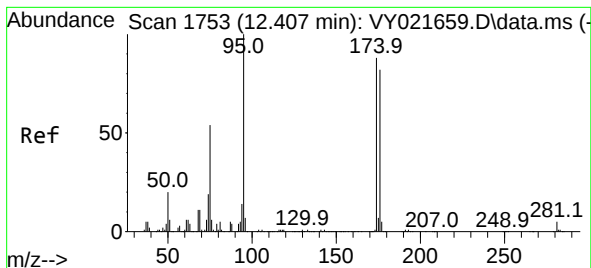
Delta R.T. 0.000 min

Lab File: VY021781.D

Acq: 04 Apr 2025 13:27

Tgt Ion: 98	Resp:	782529
Ion	Ratio	Lower Upper
98	100	
100	64.8	52.1 78.1





#62

4-Bromofluorobenzene

Concen: 44.481 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021781.D

Acq: 04 Apr 2025 13:27

Instrument :

MSVOA_Y

ClientSampleId :

OU4-VSL-15-040325

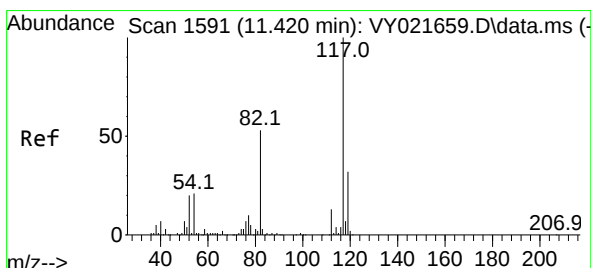
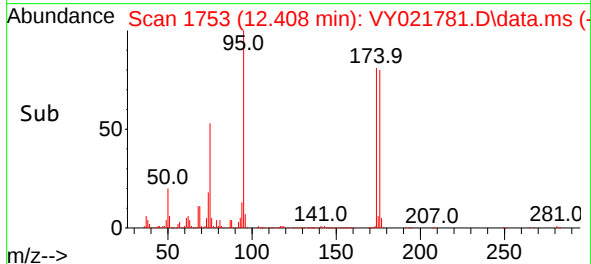
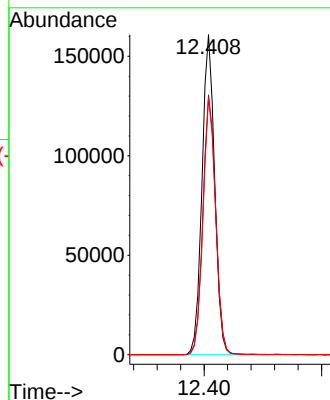
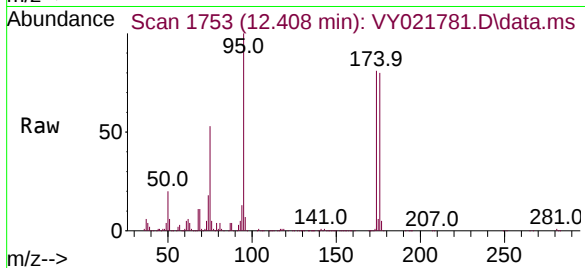
Tgt Ion: 95 Resp: 240375

Ion Ratio Lower Upper

95 100

174 82.5 0.0 170.8

176 80.2 0.0 162.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY021781.D

Acq: 04 Apr 2025 13:27

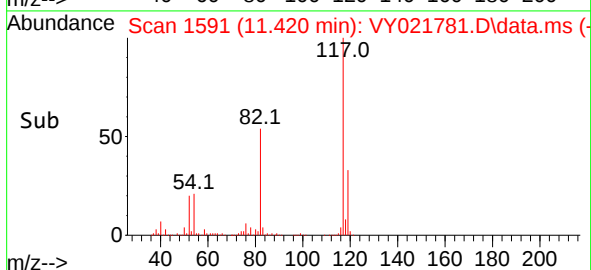
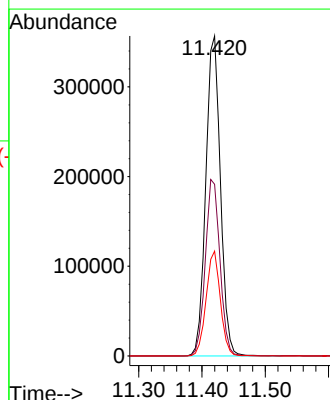
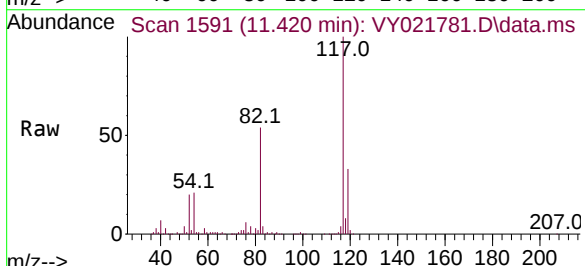
Tgt Ion: 117 Resp: 573735

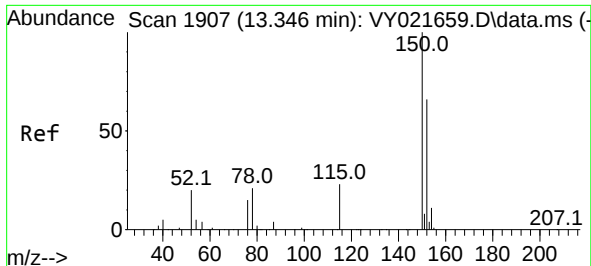
Ion Ratio Lower Upper

117 100

82 53.6 42.8 64.2

119 32.8 25.7 38.5

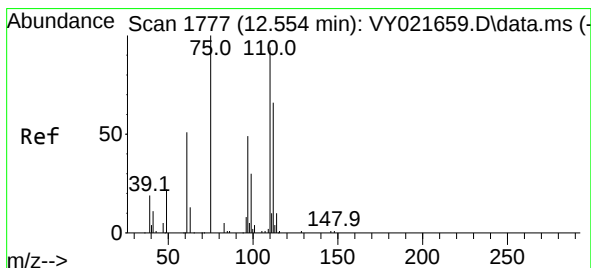
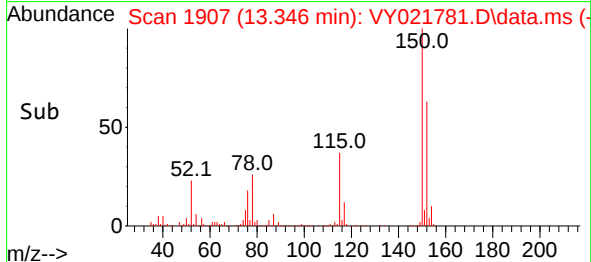
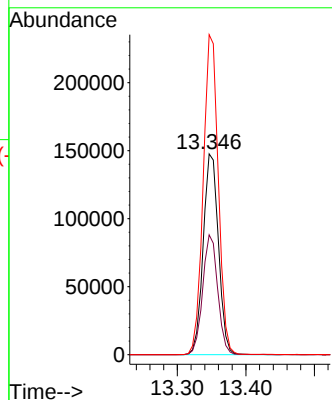
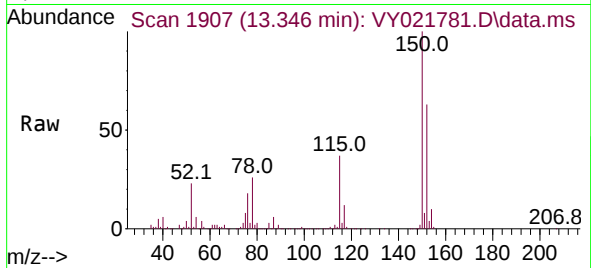




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY021781.D
 Acq: 04 Apr 2025 13:27

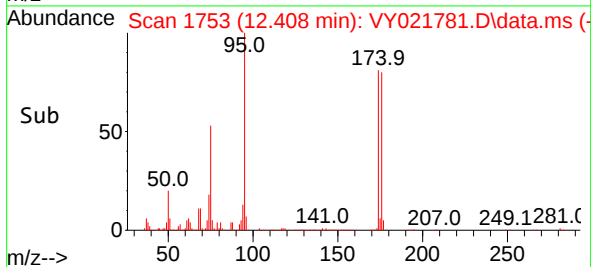
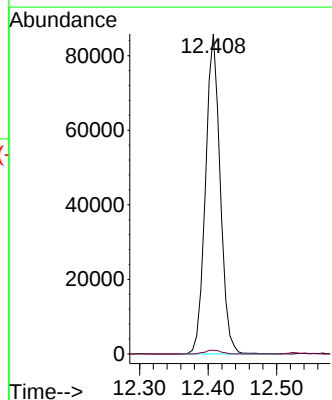
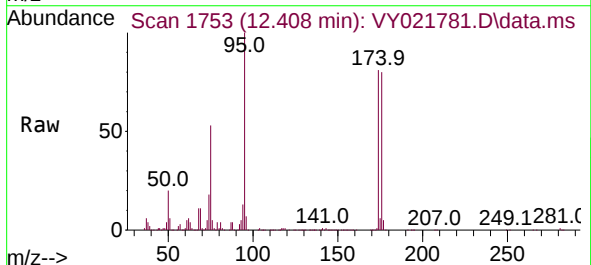
Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-VSL-15-040325

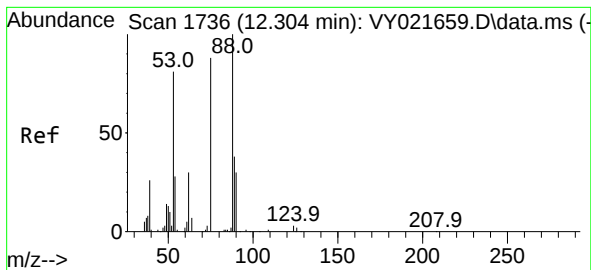
Tgt Ion:152 Resp: 228826
 Ion Ratio Lower Upper
 152 100
 115 58.8 28.8 86.5
 150 157.6 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 56.394 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY021781.D
 Acq: 04 Apr 2025 13:27

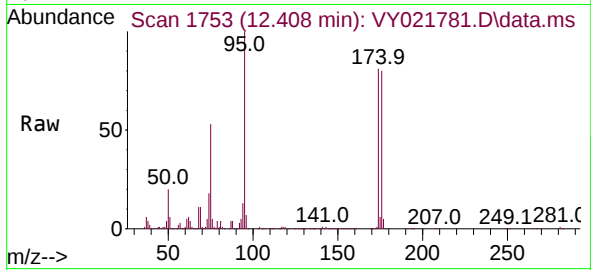
Tgt Ion: 75 Resp: 127917
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 129.942 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021781.D
Acq: 04 Apr 2025 13:27

Instrument :
MSVOA_Y
ClientSampleId :
OU4-VSL-15-040325



Tgt Ion: 75 Resp: 127917
Ion Ratio Lower Upper
75 100
53 0.2 76.1 114.1#
89 0.1 36.2 54.4#

