

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
 Data File : VY022065.D
 Acq On : 29 Apr 2025 18:37
 Operator : SY/MD
 Sample : Q1883-03
 Misc : 15.55g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-28-042325

Quant Time: Apr 30 01:35:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

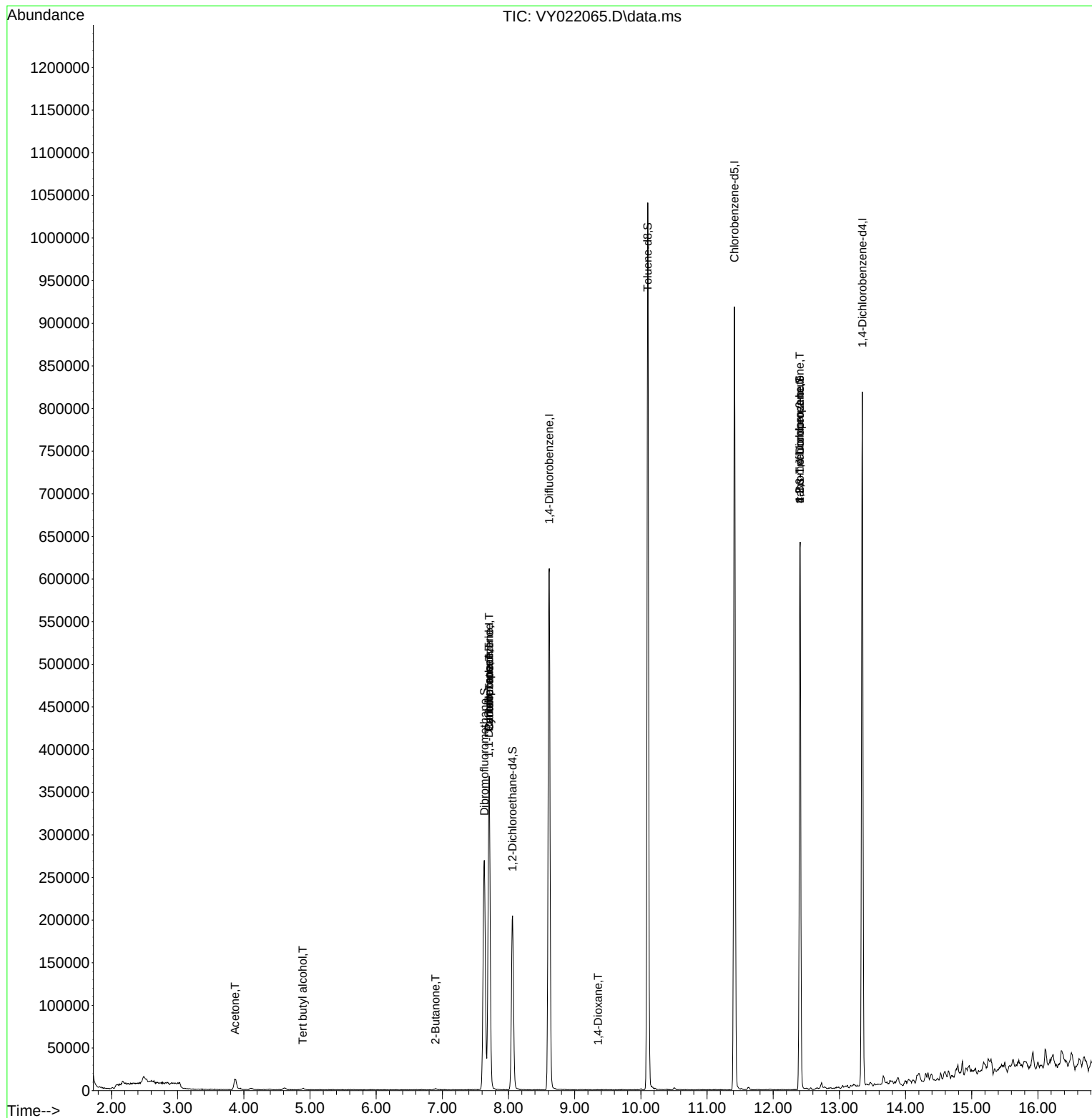
Internal Standards						
1) Pentafluorobenzene	7.707	168	284976	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	553971	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	516028	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	215483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	160162	60.846	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.700%
35) Dibromofluoromethane	7.634	113	194988	53.278	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.560%
50) Toluene-d8	10.103	98	665607	48.241	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.480%
62) 4-Bromofluorobenzene	12.401	95	199983	43.055	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.120%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.891	59	183	1.266	ug/l #	70
16) Acetone	3.866	43	21674	45.428	ug/l	98
25) 2-Butanone	6.896	43	667	1.112	ug/l #	81
31) Cyclohexane	7.707	56	5491	1.262	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	21524	4.378	ug/l #	48
38) Carbon Tetrachloride	7.707	117	28045	4.774	ug/l #	16
49) 1,4-Dioxane	9.353	88	25	1.103	ug/l #	28
76) 1,2,3-Trichloropropane	12.401	75	95993	52.008	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	95993	125.244	ug/l #	16

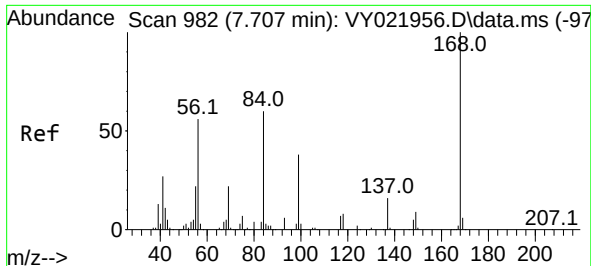
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

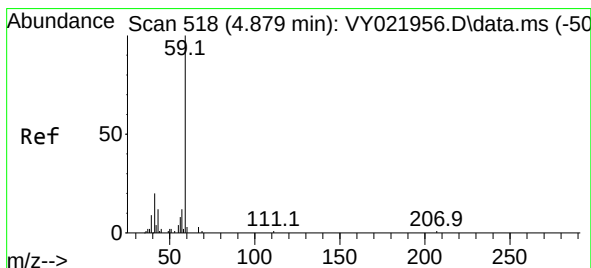
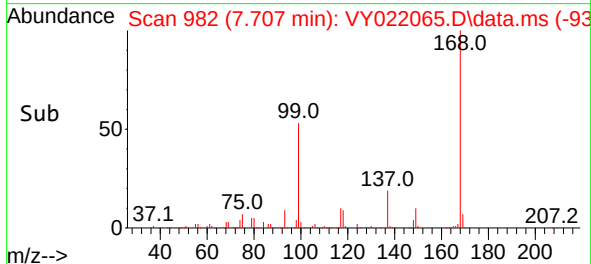
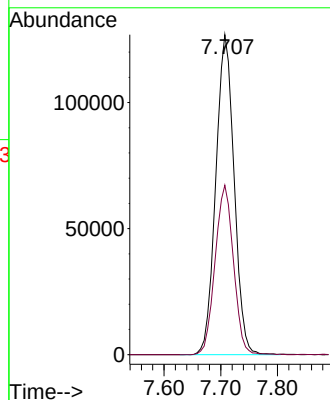
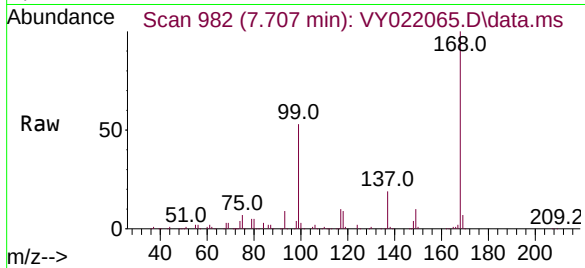




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022065.D
Acq: 29 Apr 2025 18:37

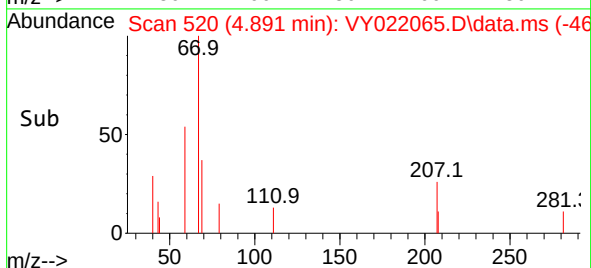
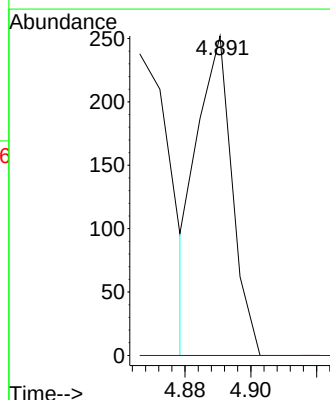
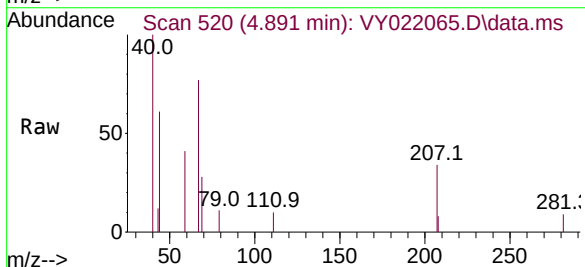
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-28-042325

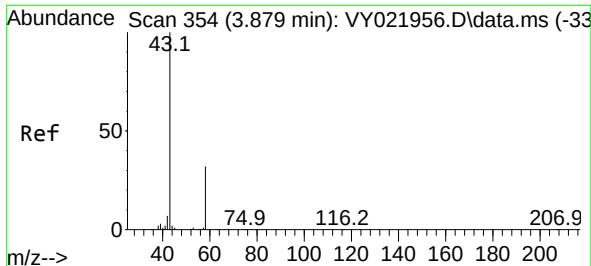
Tgt Ion:168 Resp: 284976
Ion Ratio Lower Upper
168 100
99 53.0 43.1 64.7



#11
Tert butyl alcohol
Concen: 1.266 ug/l
RT: 4.891 min Scan# 520
Delta R.T. 0.012 min
Lab File: VY022065.D
Acq: 29 Apr 2025 18:37

Tgt Ion: 59 Resp: 183
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#

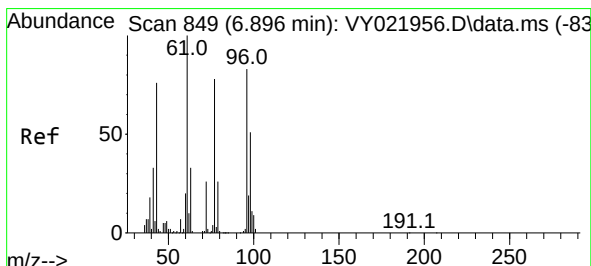
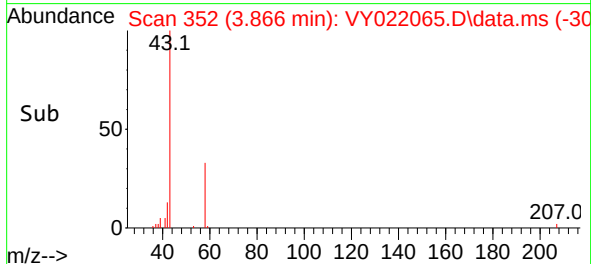
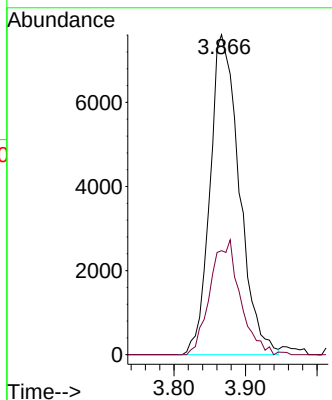
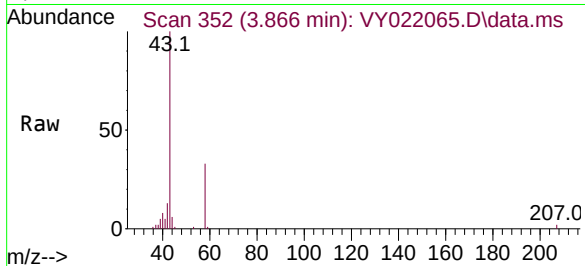




#16
Acetone
Concen: 45.428 ug/l
RT: 3.866 min Scan# 311
Delta R.T. -0.013 min
Lab File: VY022065.D
Acq: 29 Apr 2025 18:37

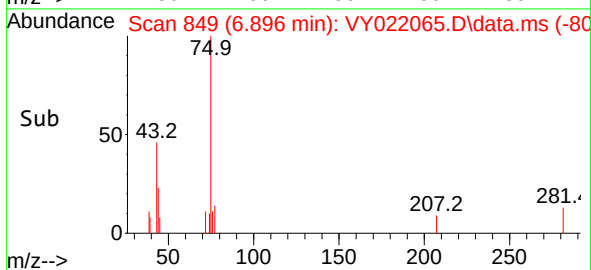
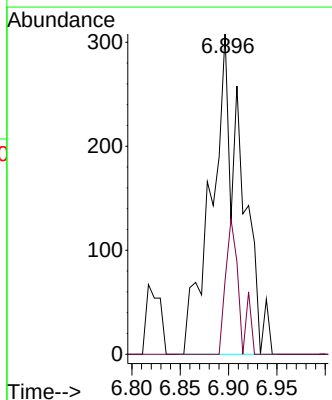
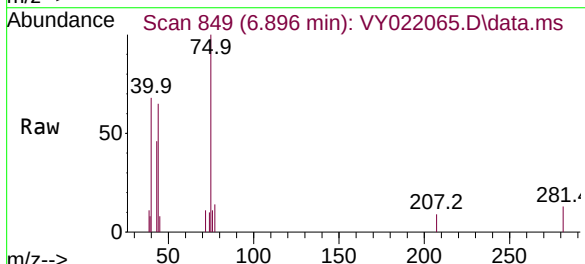
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-28-042325

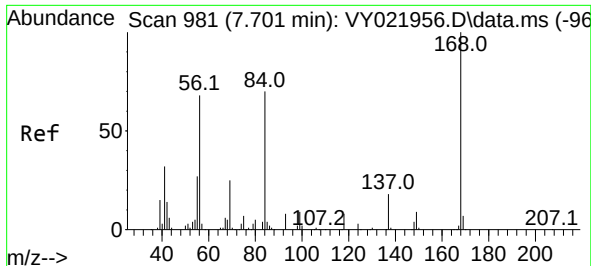
Tgt Ion: 43 Resp: 21674
Ion Ratio Lower Upper
43 100
58 32.5 27.0 40.4



#25
2-Butanone
Concen: 1.112 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.000 min
Lab File: VY022065.D
Acq: 29 Apr 2025 18:37

Tgt Ion: 43 Resp: 667
Ion Ratio Lower Upper
43 100
72 23.1 27.0 40.4#

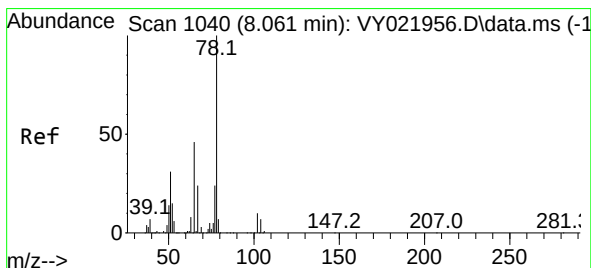
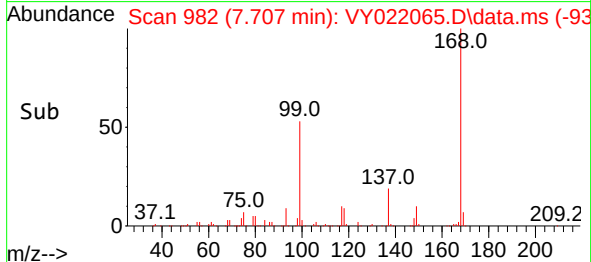
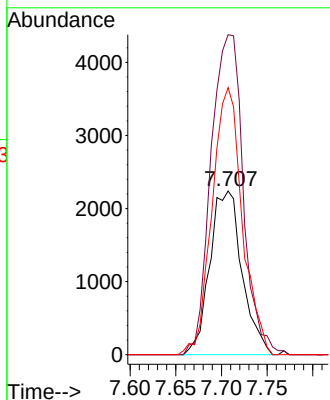
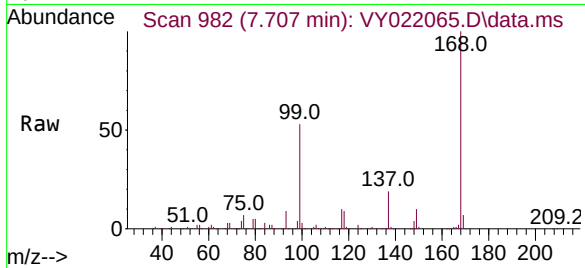




#31
Cyclohexane
Concen: 1.262 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022065.D
Acq: 29 Apr 2025 18:37

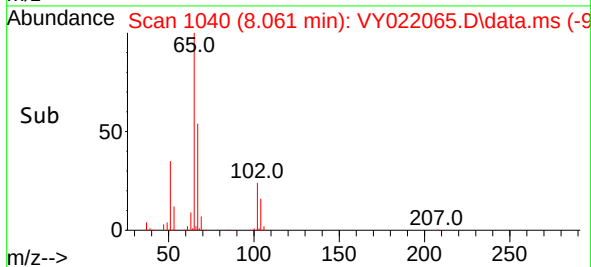
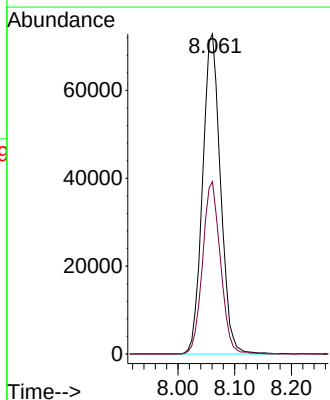
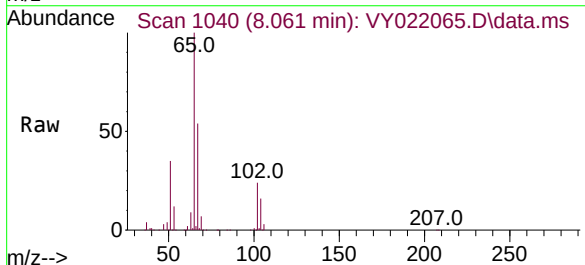
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-28-042325

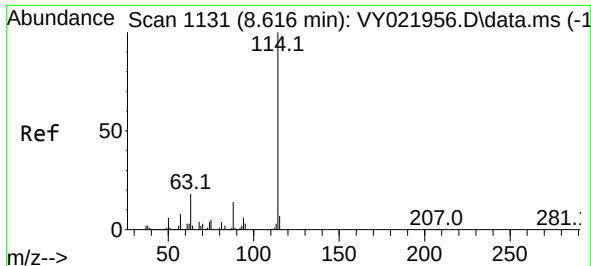
Tgt Ion: 56 Resp: 5491
Ion Ratio Lower Upper
56 100
69 195.4 29.4 44.2#
84 163.1 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 60.846 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022065.D
Acq: 29 Apr 2025 18:37

Tgt Ion: 65 Resp: 160162
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.8

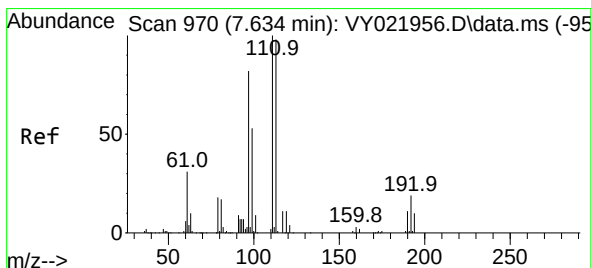
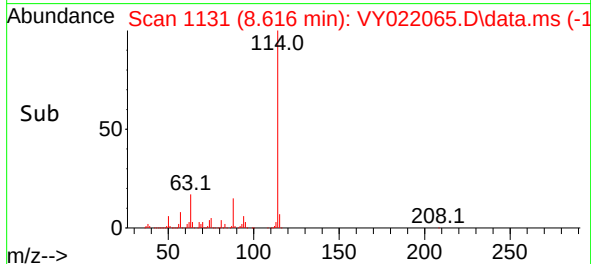
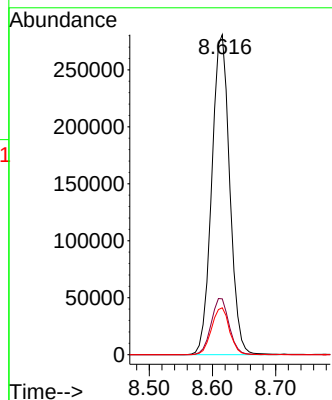
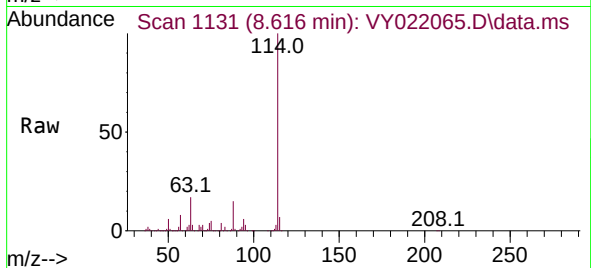




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022065.D
Acq: 29 Apr 2025 18:37

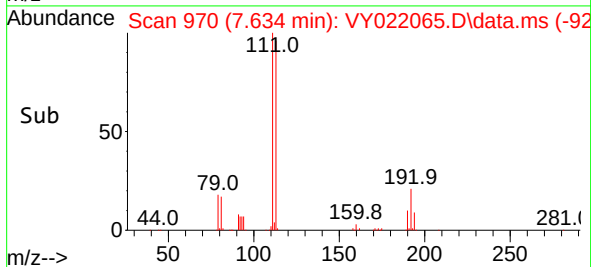
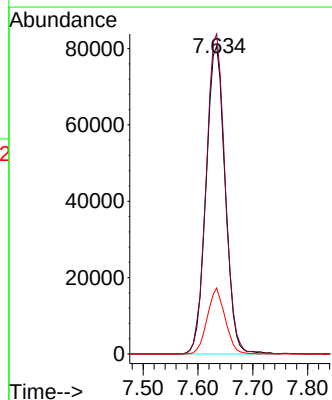
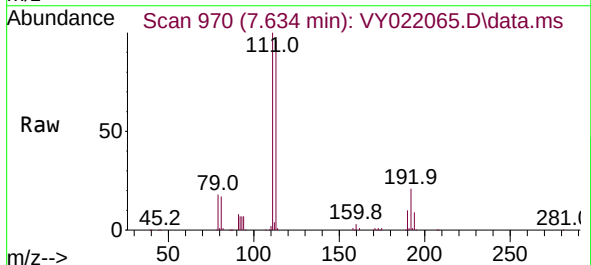
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-28-042325

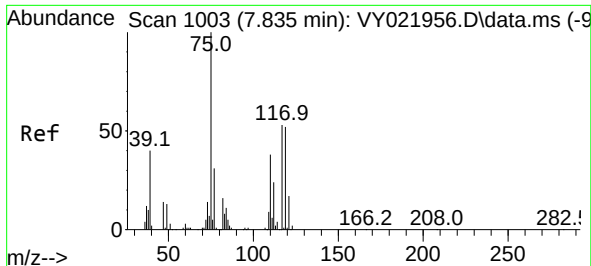
Tgt Ion:114 Resp: 553971
Ion Ratio Lower Upper
114 100
63 17.5 0.0 35.4
88 14.6 0.0 28.2



#35
Dibromofluoromethane
Concen: 53.278 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022065.D
Acq: 29 Apr 2025 18:37

Tgt Ion:113 Resp: 194988
Ion Ratio Lower Upper
113 100
111 103.3 81.8 122.8
192 20.0 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.378 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY022065.D

Acq: 29 Apr 2025 18:37

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-28-042325

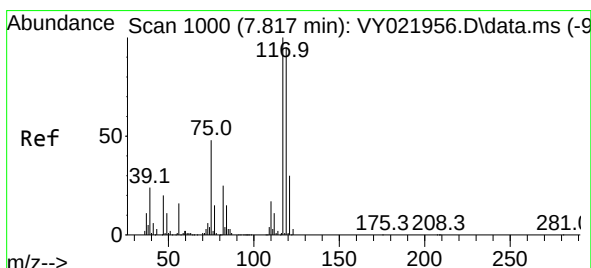
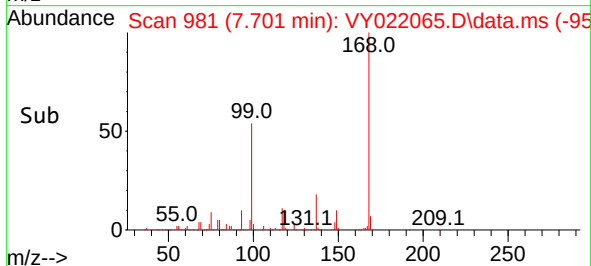
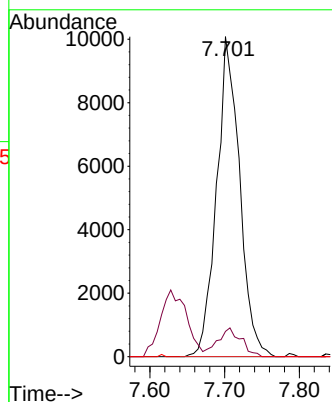
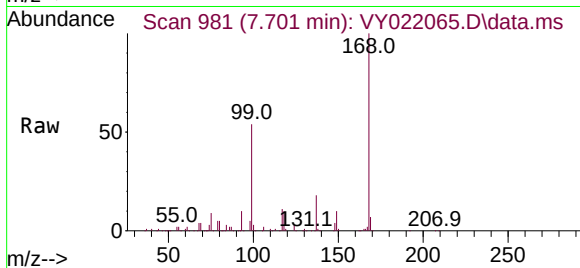
Tgt Ion: 75 Resp: 21524

Ion Ratio Lower Upper

75 100

110 9.3 19.1 57.3#

77 0.0 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 4.774 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022065.D

Acq: 29 Apr 2025 18:37

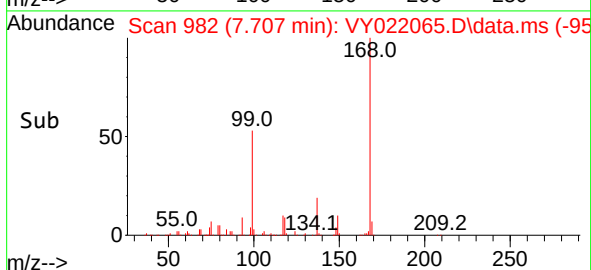
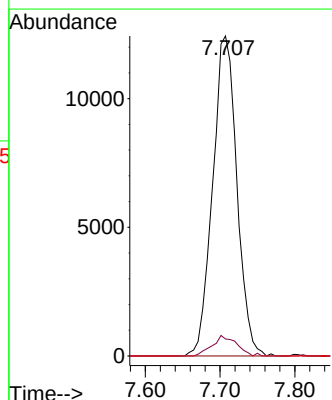
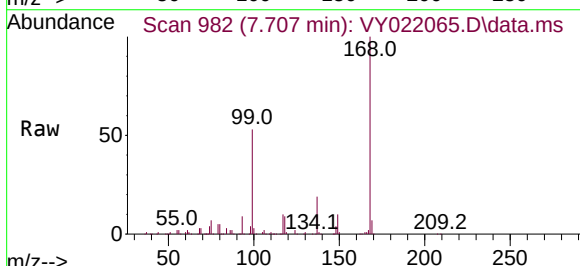
Tgt Ion: 117 Resp: 28045

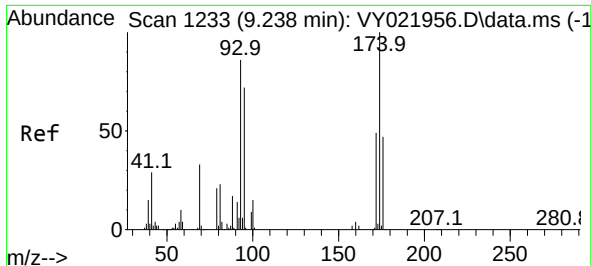
Ion Ratio Lower Upper

117 100

119 5.3 76.2 114.4#

121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 1.103 ug/l

RT: 9.353 min Scan# 11

Delta R.T. 0.116 min

Lab File: VY022065.D

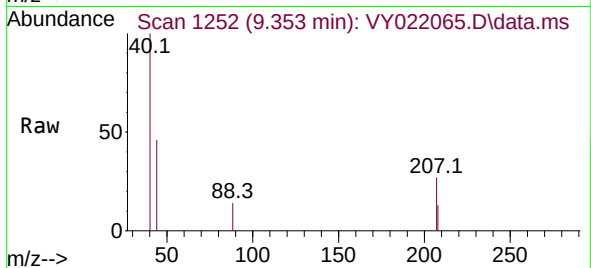
Acq: 29 Apr 2025 18:37

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-28-042325



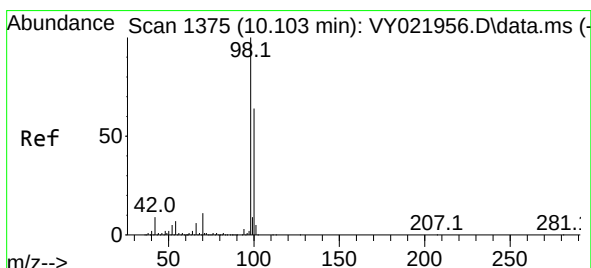
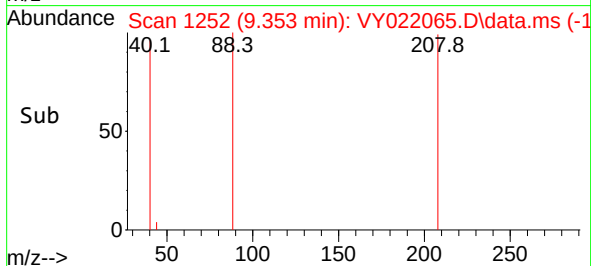
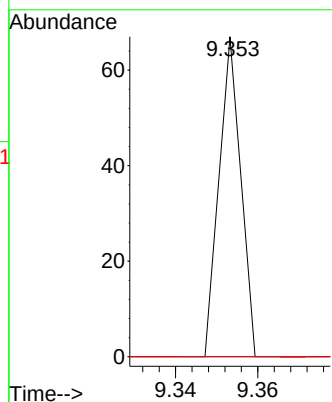
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 0.0 21.3 31.9#

58 0.0 50.5 75.7#



#50

Toluene-d8

Concen: 48.241 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY022065.D

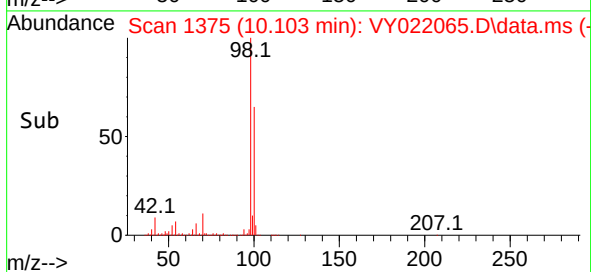
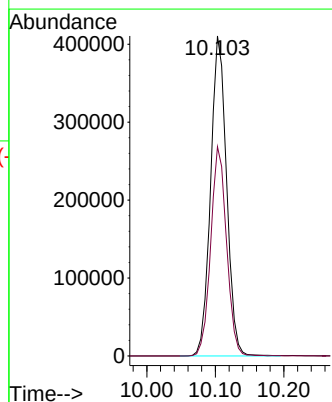
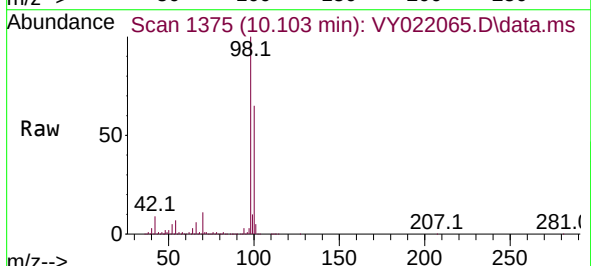
Acq: 29 Apr 2025 18:37

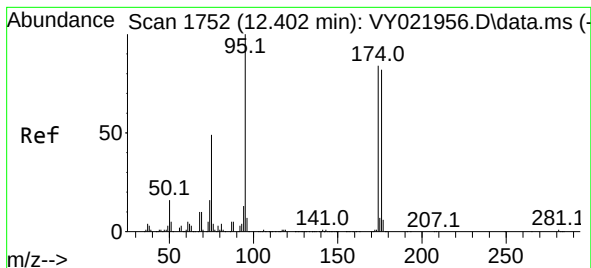
Tgt Ion: 98 Resp: 665607

Ion Ratio Lower Upper

98 100

100 64.9 51.6 77.4

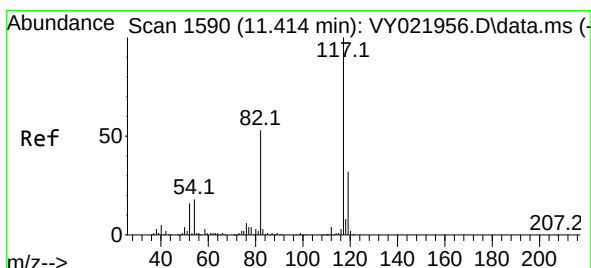
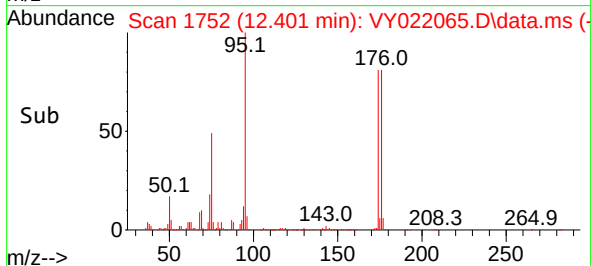
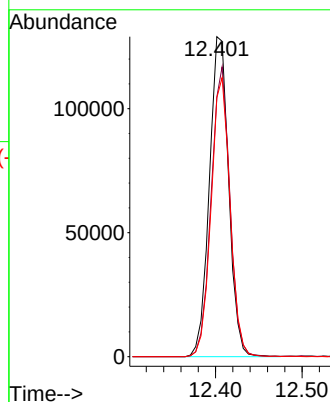
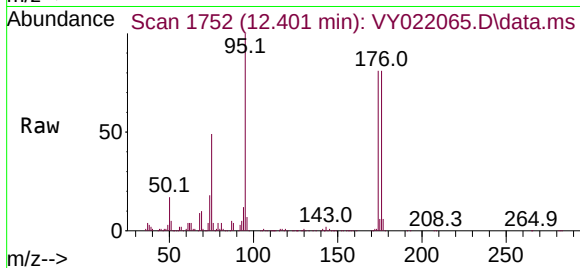




#62
4-Bromofluorobenzene
Concen: 43.055 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022065.D
Acq: 29 Apr 2025 18:37

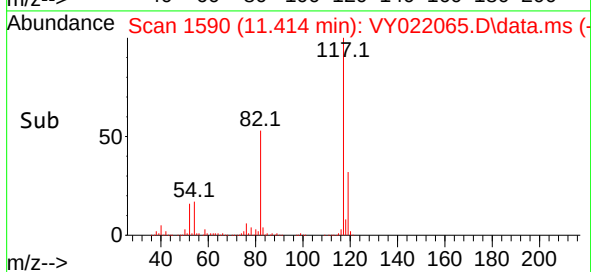
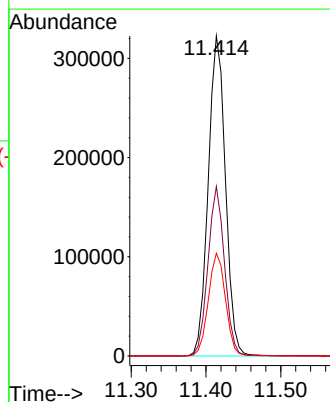
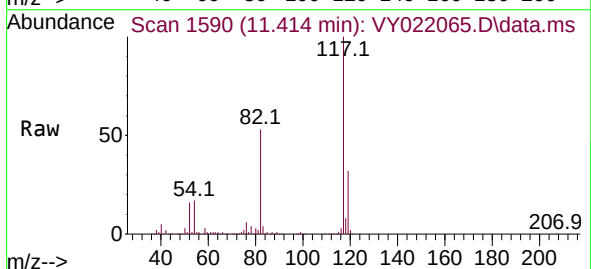
Instrument :
MSVOA_Y
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OU4-PCS-TC-28-042325

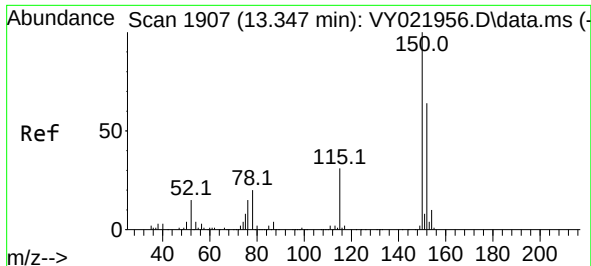
Tgt Ion: 95 Resp: 199983
Ion Ratio Lower Upper
95 100
174 88.0 0.0 179.0
176 85.5 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022065.D
Acq: 29 Apr 2025 18:37

Tgt Ion: 117 Resp: 516028
Ion Ratio Lower Upper
117 100
82 52.9 42.1 63.1
119 32.1 25.7 38.5

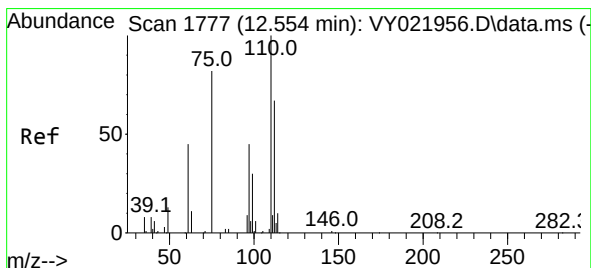
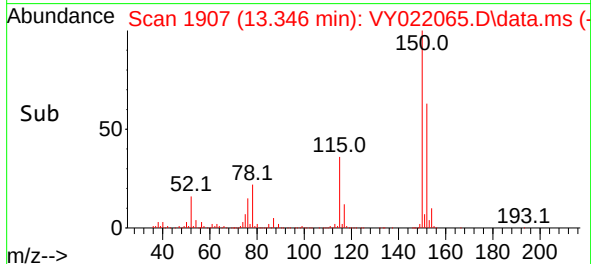
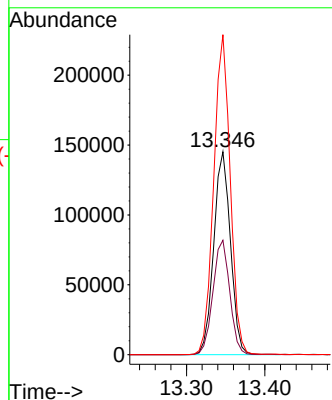
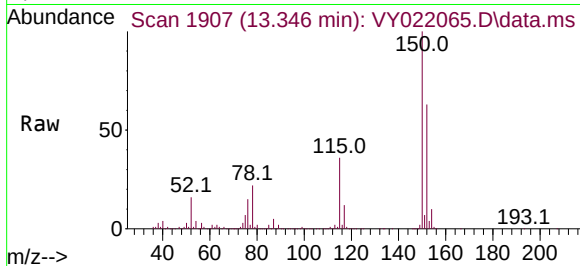




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022065.D
 Acq: 29 Apr 2025 18:37

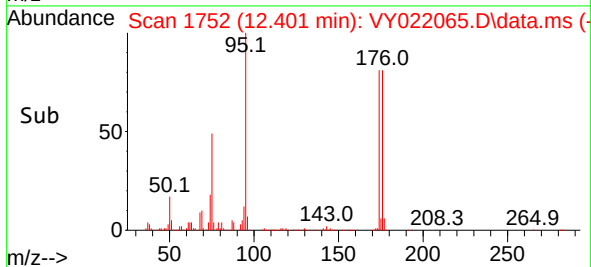
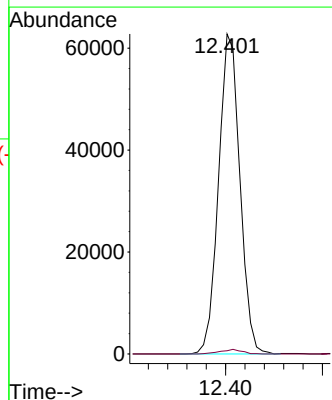
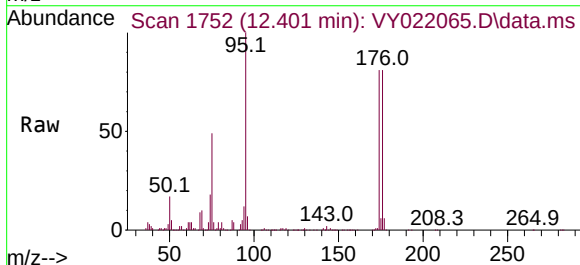
Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-28-042325

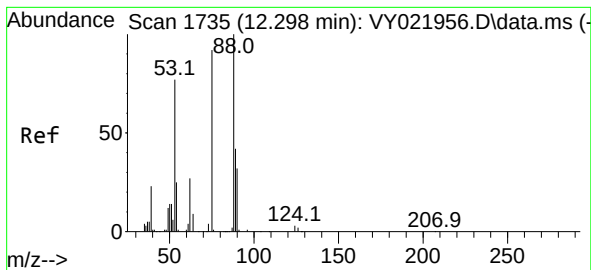
Tgt Ion:152 Resp: 215483
 Ion Ratio Lower Upper
 152 100
 115 56.6 28.0 84.0
 150 155.8 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 52.008 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY022065.D
 Acq: 29 Apr 2025 18:37

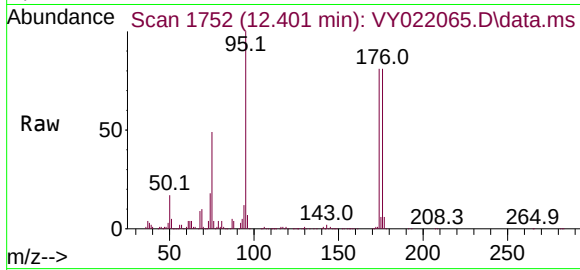
Tgt Ion: 75 Resp: 95993
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.244 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY022065.D
 Acq: 29 Apr 2025 18:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-28-042325



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	66.0	99.0#
89	0.1	37.2	55.8#

