

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022265.D
 Acq On : 15 May 2025 15:35
 Operator : SY/MD
 Sample : Q1984-03
 Misc : 5.65g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-34-050725

Quant Time: May 16 01:56:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

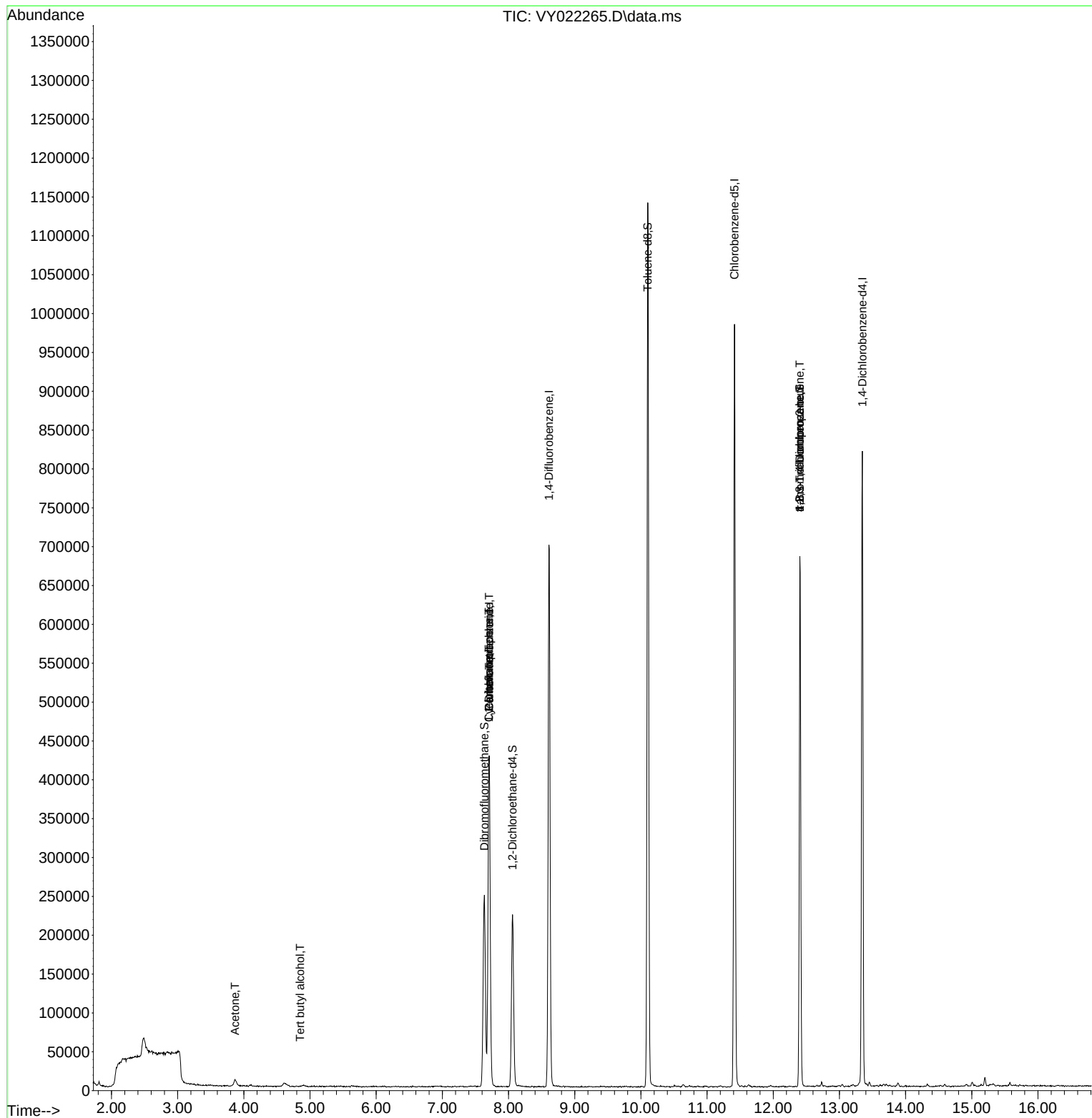
Internal Standards						
1) Pentafluorobenzene	7.707	168	328781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	578595	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	473987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	189383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	170135	47.348	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.700%
35) Dibromofluoromethane	7.634	113	170320	49.320	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.640%
50) Toluene-d8	10.103	98	702946	49.701	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.400%
62) 4-Bromofluorobenzene	12.401	95	194312	43.344	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.680%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.848	59	345	1.257	ug/l #	100
16) Acetone	3.866	43	15631	23.200	ug/l	97
31) Cyclohexane	7.701	56	8868	1.220	ug/l #	25
36) 1,1-Dichloropropene	7.701	75	28139	4.947	ug/l #	52
38) Carbon Tetrachloride	7.707	117	33225	5.643	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	112390	58.578	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	112390	118.664	ug/l #	12

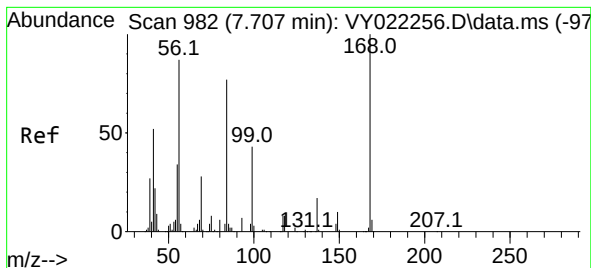
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY022265.D

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Instrument :

MSVOA_Y

ClientSampleId :

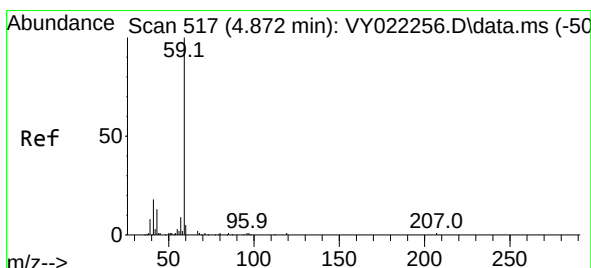
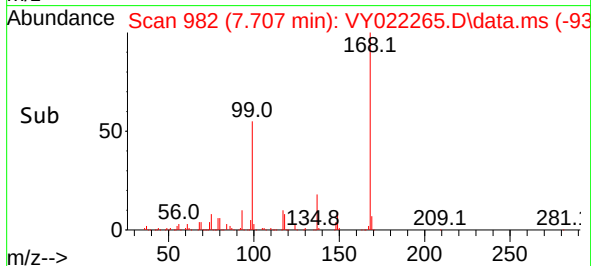
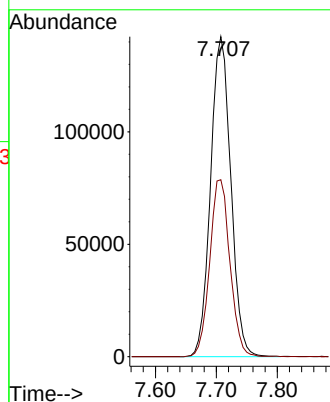
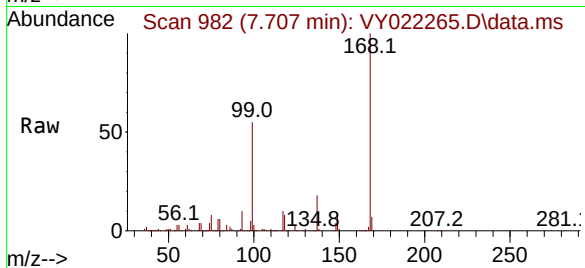
OU4-PCS-TC-34-050725

Tgt Ion:168 Resp: 328781

Ion Ratio Lower Upper

168 100

99 55.3 44.2 66.4



#11

Tert butyl alcohol

Concen: 1.257 ug/l

RT: 4.848 min Scan# 513

Delta R.T. -0.024 min

Lab File: VY022265.D

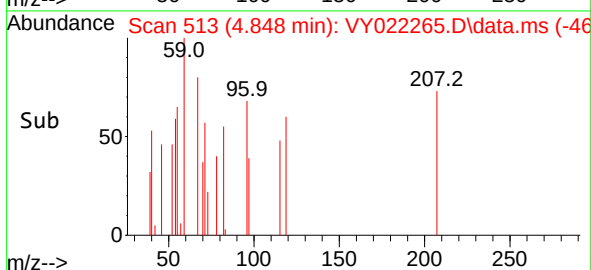
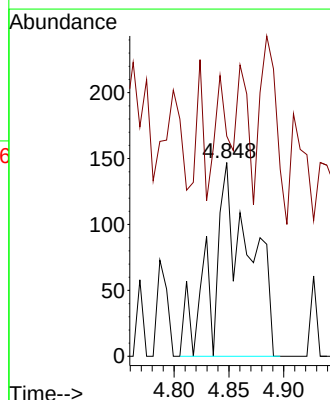
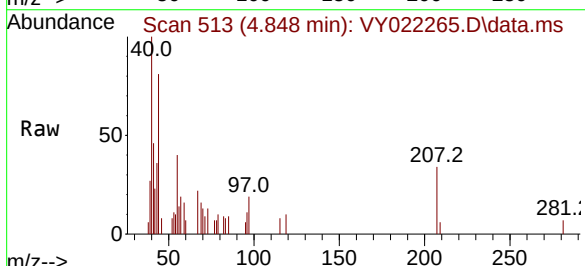
Acq: 15 May 2025 15:35

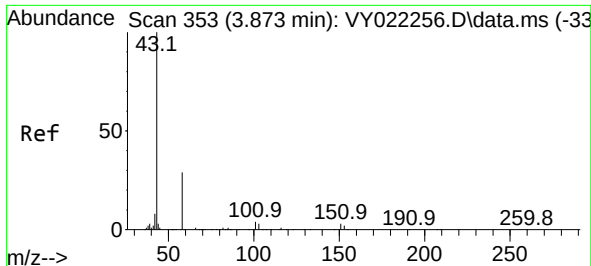
Tgt Ion: 59 Resp: 345

Ion Ratio Lower Upper

59 100

57 26.4 0.0 0.0#





#16

Acetone

Concen: 23.200 ug/l

RT: 3.866 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY022265.D

Acq: 15 May 2025 15:35

Instrument :

MSVOA_Y

ClientSampleId :

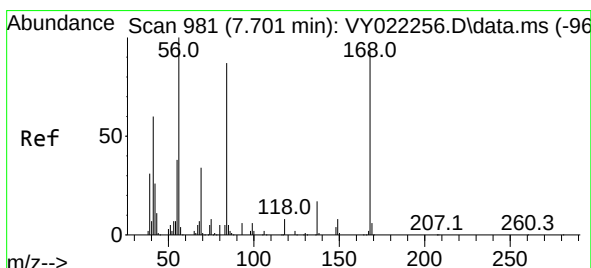
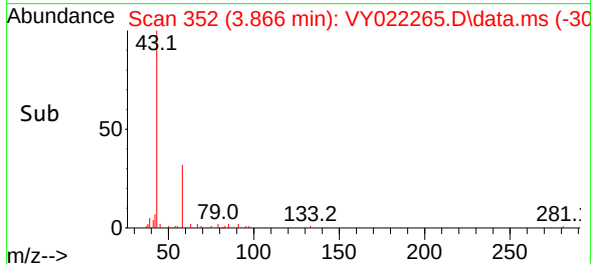
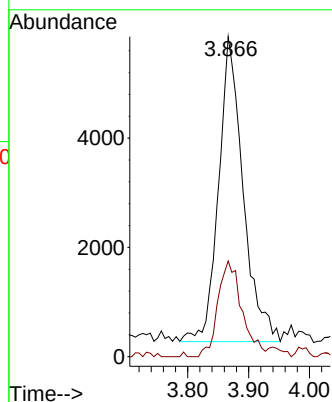
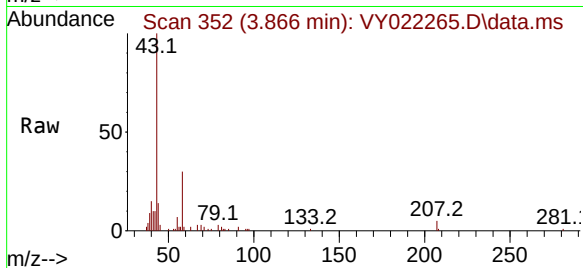
OU4-PCS-TC-34-050725

Tgt Ion: 43 Resp: 15631

Ion Ratio Lower Upper

43 100

58 31.4 23.6 35.4



#31

Cyclohexane

Concen: 1.220 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY022265.D

Acq: 15 May 2025 15:35

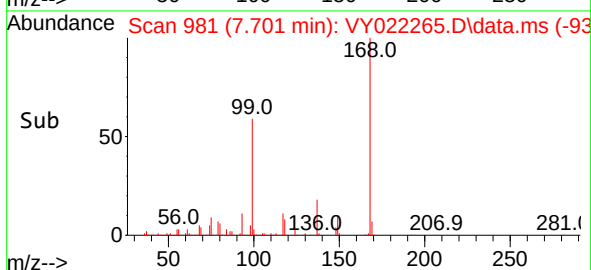
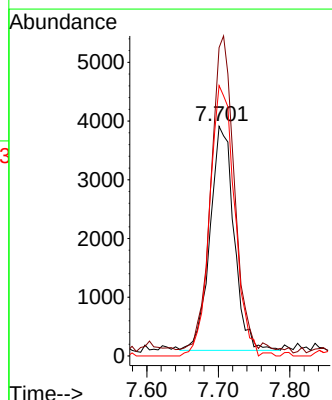
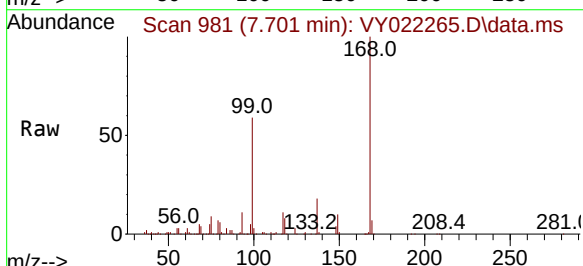
Tgt Ion: 56 Resp: 8868

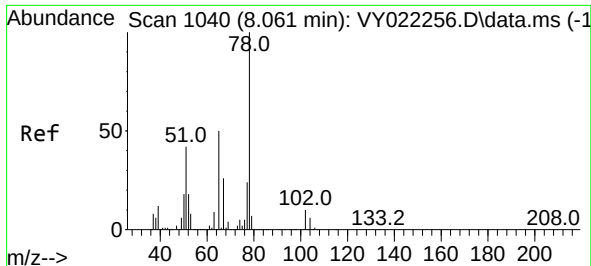
Ion Ratio Lower Upper

56 100

69 134.7 27.4 41.2#

84 120.7 70.0 105.0#

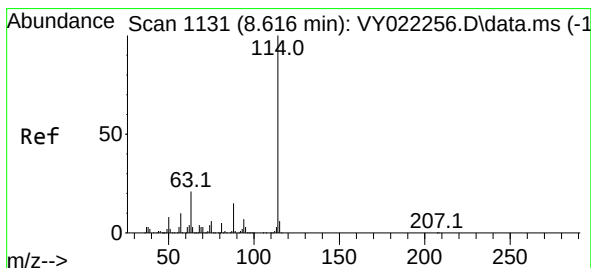
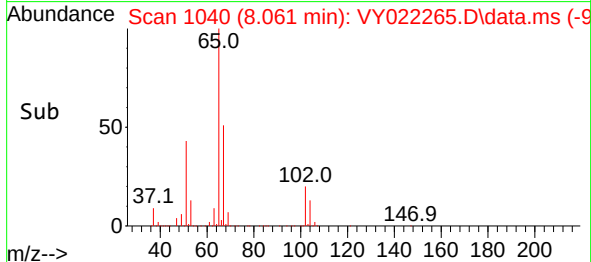
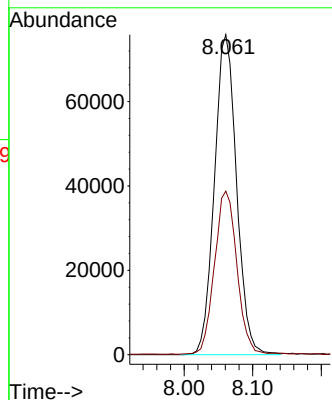
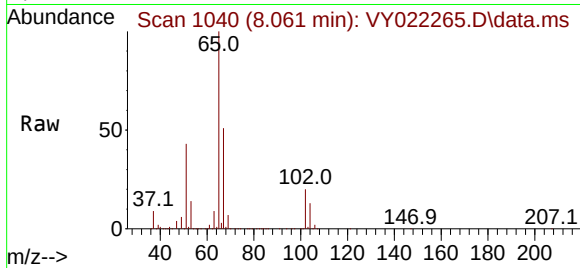




#33
 1,2-Dichloroethane-d4
 Concen: 47.348 ug/l
 RT: 8.061 min Scan# 110
 Delta R.T. -0.000 min
 Lab File: VY022265.D
 Acq: 15 May 2025 15:35

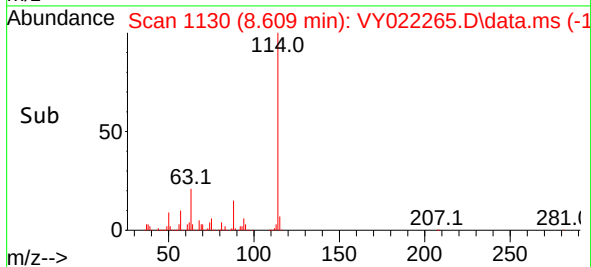
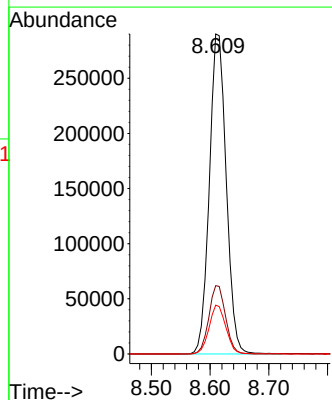
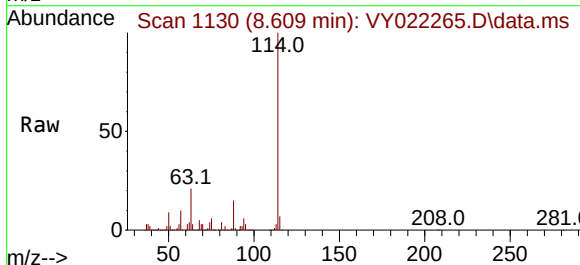
Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-34-050725

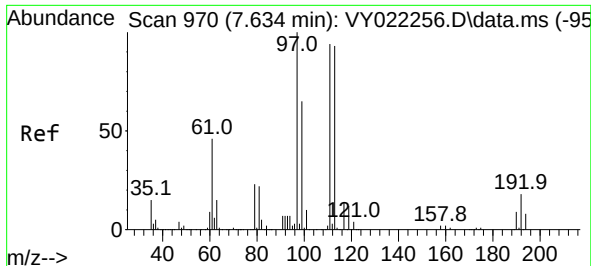
Tgt Ion: 65 Resp: 170135
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.609 min Scan# 1130
 Delta R.T. -0.006 min
 Lab File: VY022265.D
 Acq: 15 May 2025 15:35

Tgt Ion:114 Resp: 578595
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 41.0
 88 15.3 0.0 29.4

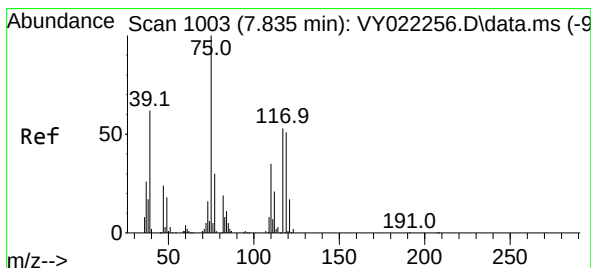
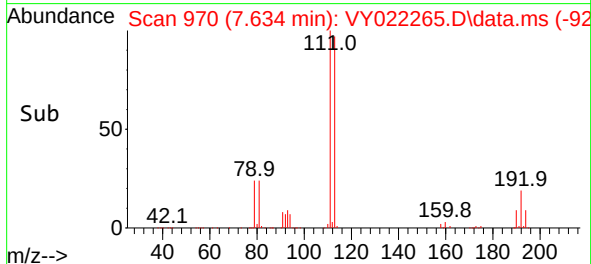
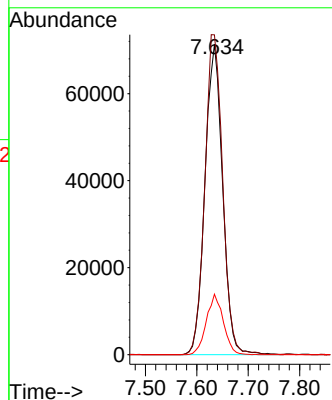
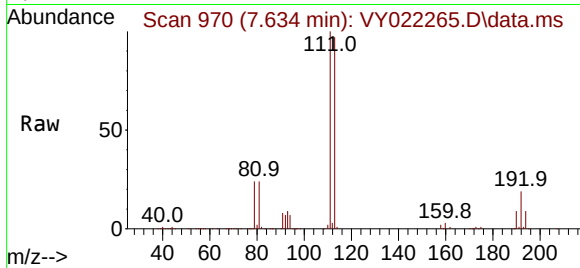




#35
Dibromofluoromethane
Concen: 49.320 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022265.D
Acq: 15 May 2025 15:35

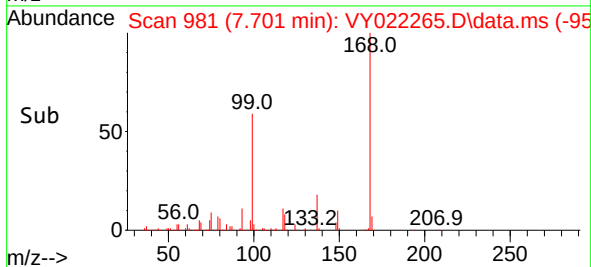
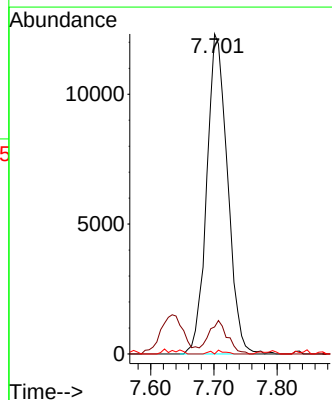
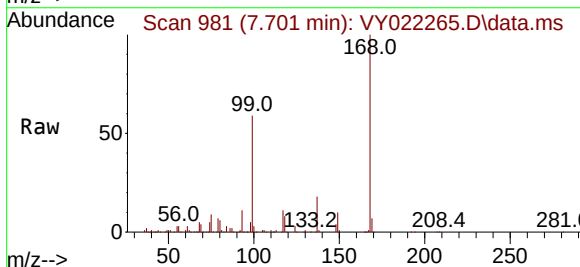
Instrument :
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ClientSampleId :
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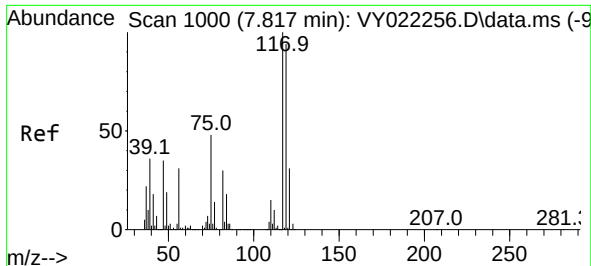
Tgt Ion:113 Resp: 170320
Ion Ratio Lower Upper
113 100
111 104.3 82.6 123.8
192 18.8 15.2 22.8



#36
1,1-Dichloropropene
Concen: 4.947 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY022265.D
Acq: 15 May 2025 15:35

Tgt Ion: 75 Resp: 28139
Ion Ratio Lower Upper
75 100
110 9.4 16.6 49.8#
77 0.4 24.6 37.0#

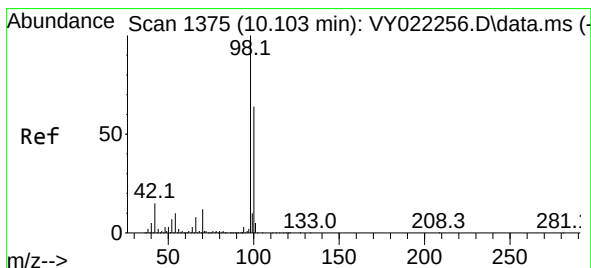
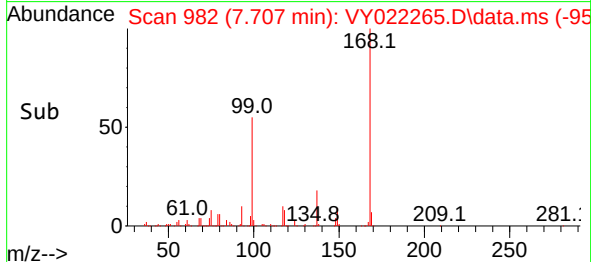
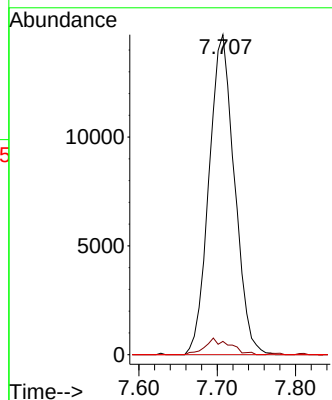
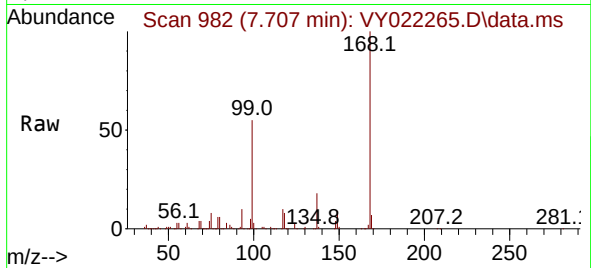




#38
Carbon Tetrachloride
Concen: 5.643 ug/l
RT: 7.707 min Scan# 911
Delta R.T. -0.110 min
Lab File: VY022265.D
Acq: 15 May 2025 15:35

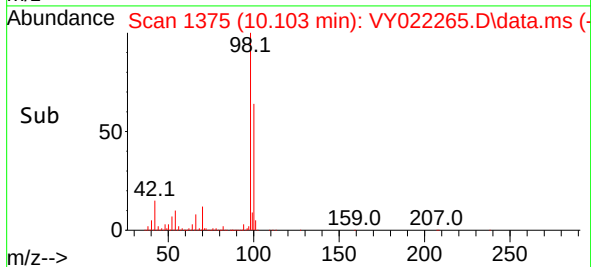
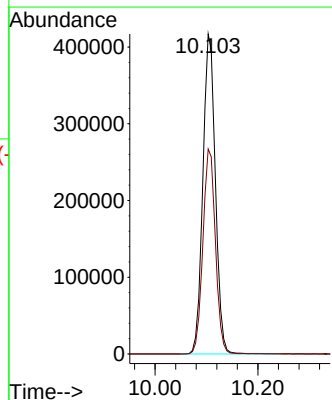
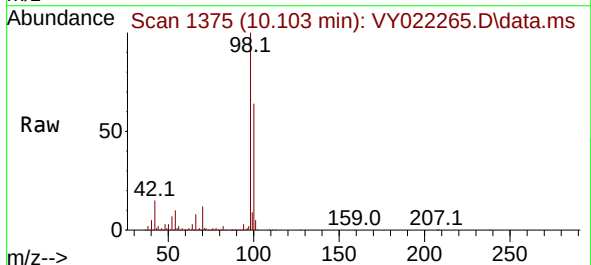
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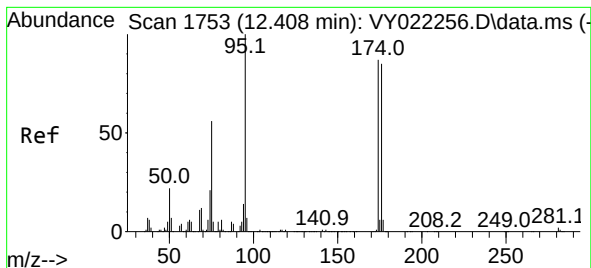
Tgt Ion:117 Resp: 33225
Ion Ratio Lower Upper
117 100
119 4.1 75.3 112.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 49.701 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022265.D
Acq: 15 May 2025 15:35

Tgt Ion: 98 Resp: 702946
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.8

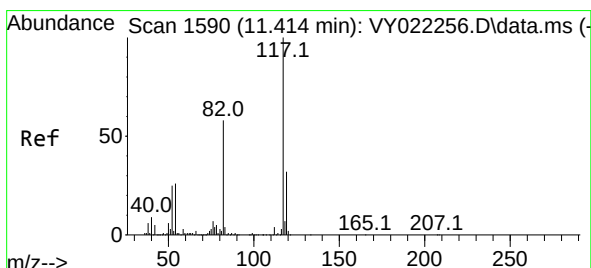
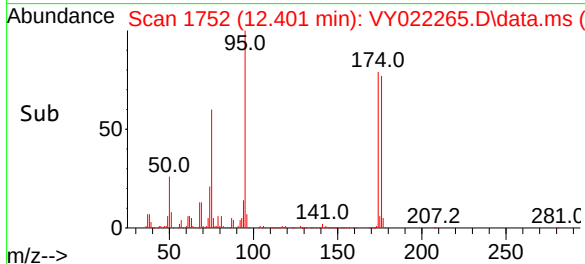
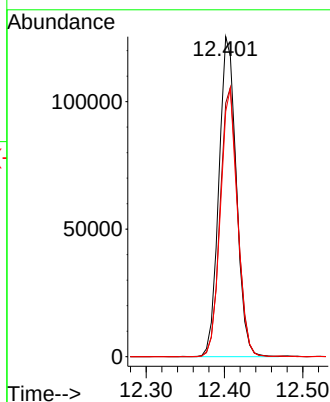
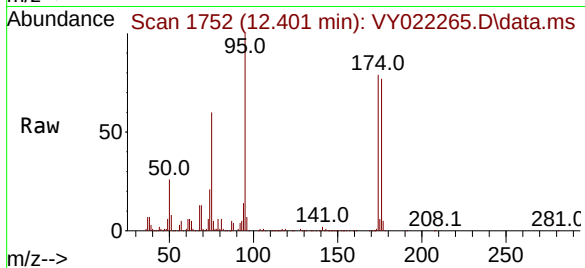




#62
4-Bromofluorobenzene
Concen: 43.344 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022265.D
Acq: 15 May 2025 15:35

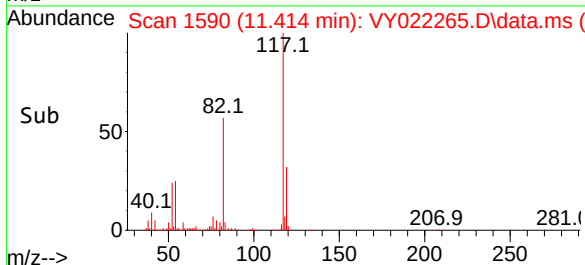
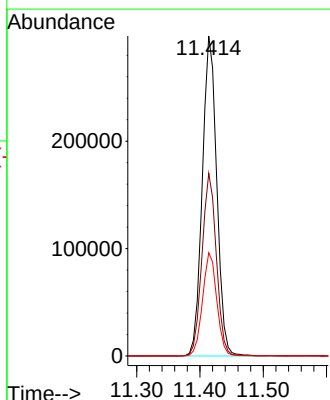
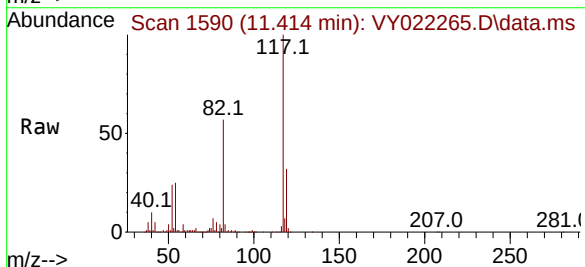
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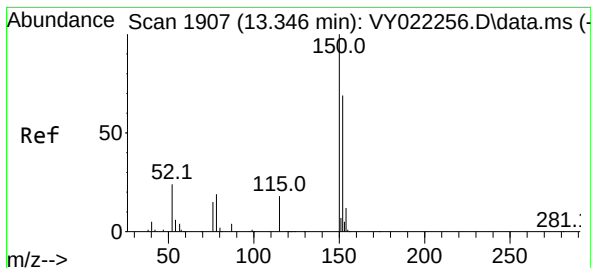
Tgt Ion: 95 Resp: 194312
Ion Ratio Lower Upper
95 100
174 84.5 0.0 166.8
176 81.9 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022265.D
Acq: 15 May 2025 15:35

Tgt Ion: 117 Resp: 473987
Ion Ratio Lower Upper
117 100
82 57.1 46.6 70.0
119 32.2 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022265.D

Acq: 15 May 2025 15:35

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-34-050725

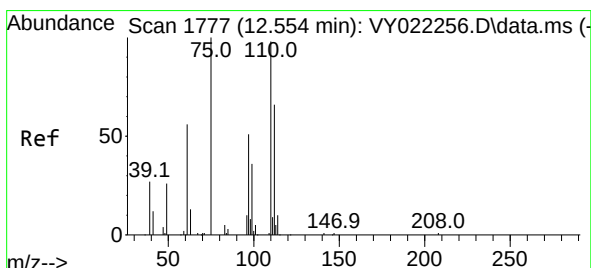
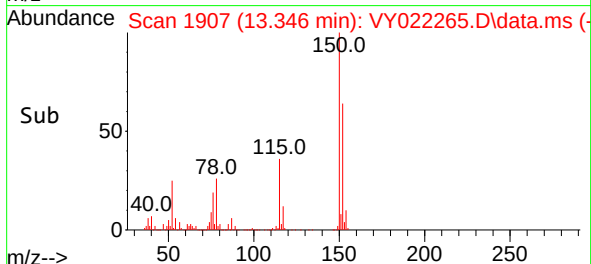
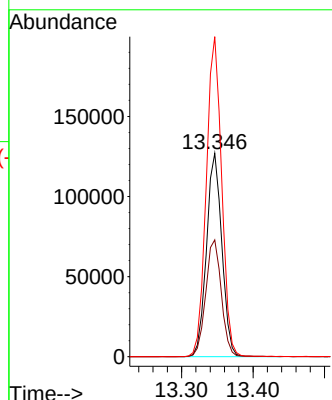
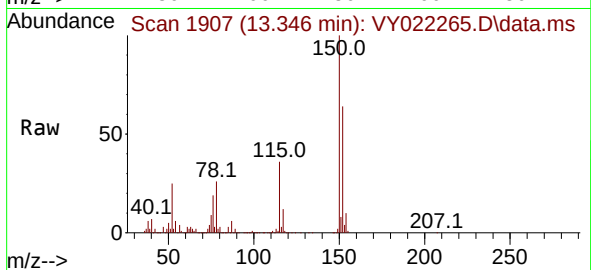
Tgt Ion:152 Resp: 189383

Ion Ratio Lower Upper

152 100

115 58.4 29.4 88.2

150 157.8 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 58.578 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022265.D

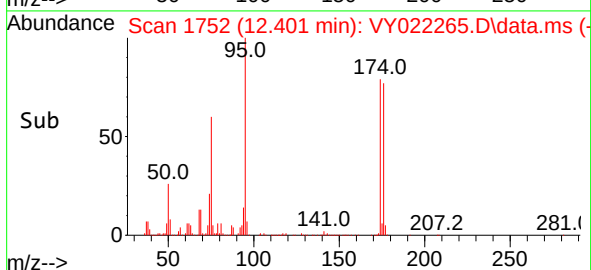
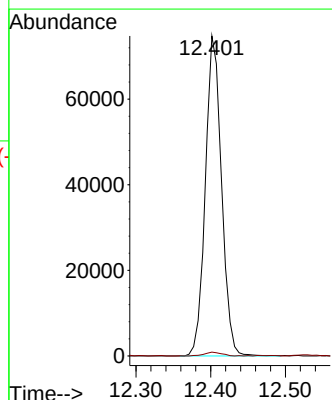
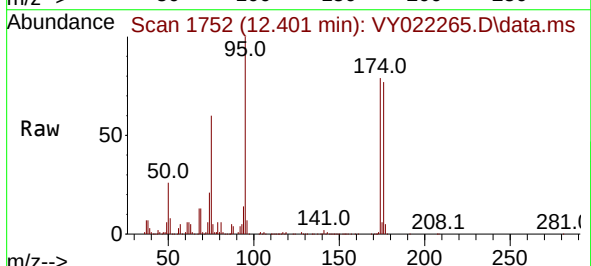
Acq: 15 May 2025 15:35

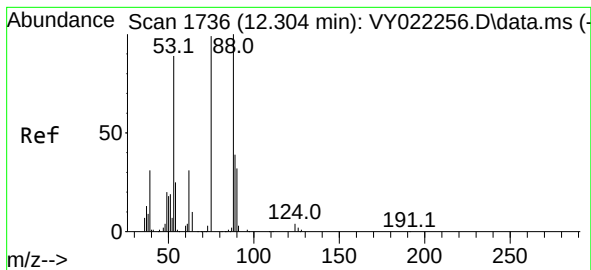
Tgt Ion: 75 Resp: 112390

Ion Ratio Lower Upper

75 100

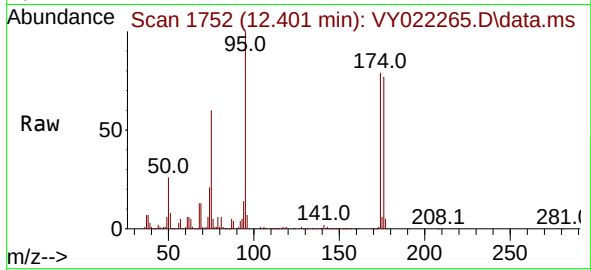
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.664 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY022265.D
 Acq: 15 May 2025 15:35

Instrument :
 MSVOA_Y
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 OU4-PCS-TC-34-050725



Tgt Ion: 75 Resp: 112390
 Ion Ratio Lower Upper
 75 100
 53 0.1 75.8 113.8#
 89 0.1 36.2 54.2#

