

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
 Data File : VY022056.D
 Acq On : 29 Apr 2025 15:06
 Operator : SY/MD
 Sample : Q1906-03
 Misc : 5.74g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-4-VOC

Quant Time: Apr 30 01:34:20 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)

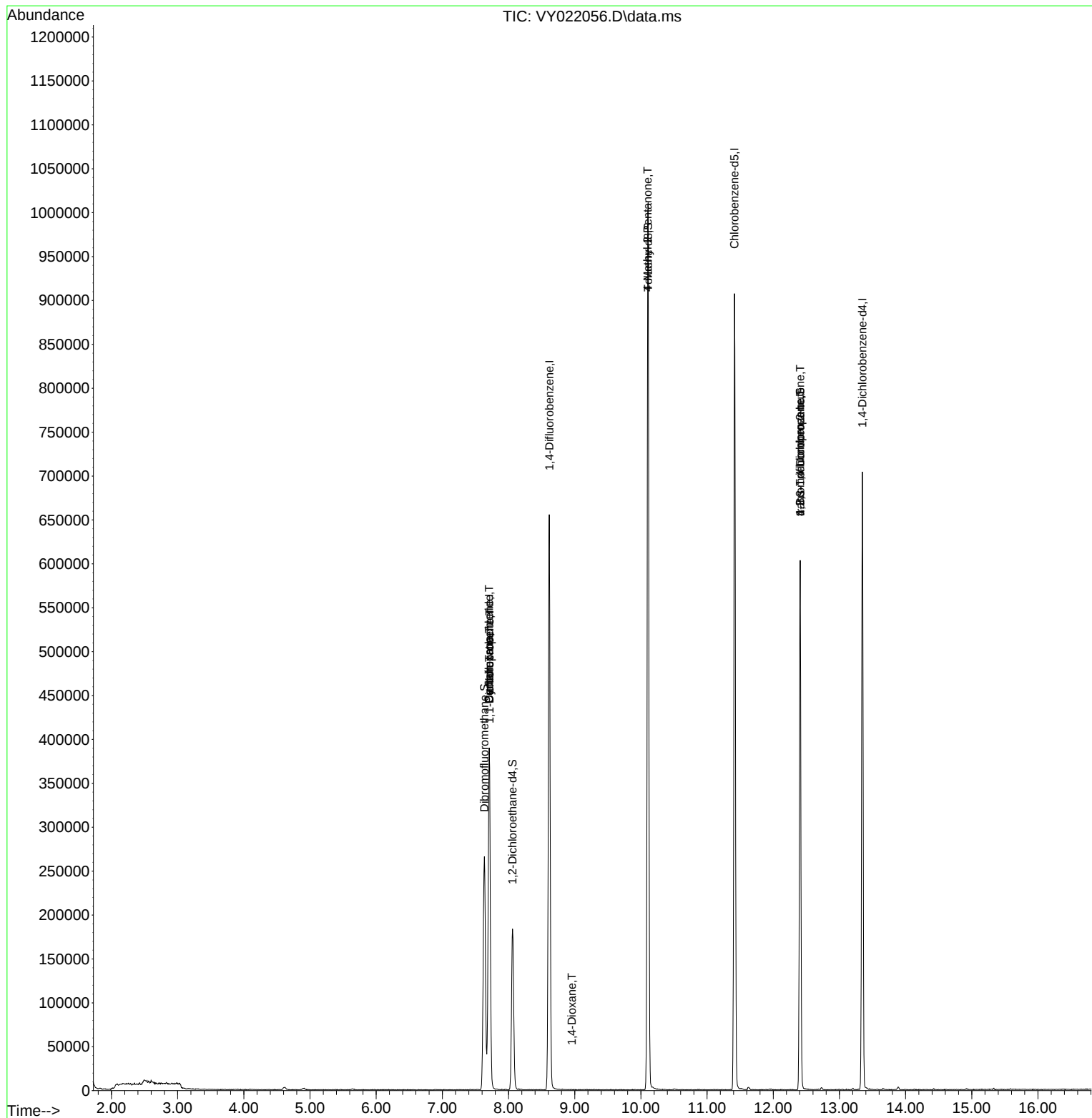
Internal Standards						
1) Pentafluorobenzene	7.707	168	302789	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	572110	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	508939	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	187668	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	146272	52.300	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.600%	
35) Dibromofluoromethane	7.634	113	191351	50.626	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.260%	
50) Toluene-d8	10.109	98	689571	48.393	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.780%	
62) 4-Bromofluorobenzene	12.408	95	187442	39.076	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 78.160%	
Target Compounds						Qvalue
16) Acetone	3.885	43	768	Below Cal	#	88
31) Cyclohexane	7.707	56	5811	1.257	ug/l #	13
36) 1,1-Dichloropropene	7.713	75	21941	4.322	ug/l #	48
38) Carbon Tetrachloride	7.707	117	29767	4.907	ug/l #	18
49) 1,4-Dioxane	8.957	88	24	1.025	ug/l #	59
51) 4-Methyl-2-Pentanone	10.103	43	2330	1.269	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	88934	55.325	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	88934	133.232	ug/l #	16

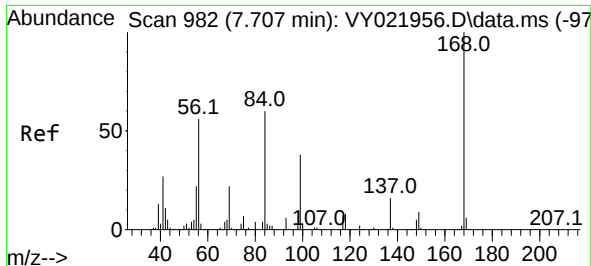
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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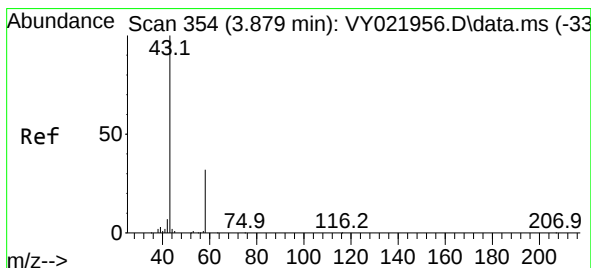
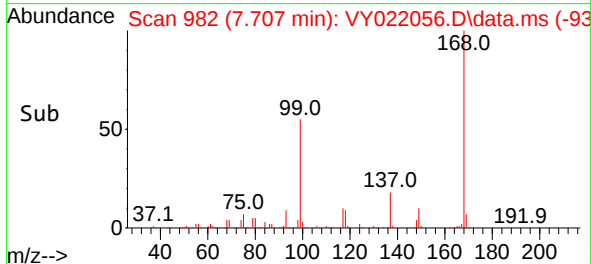
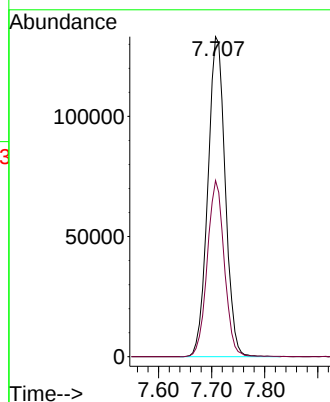
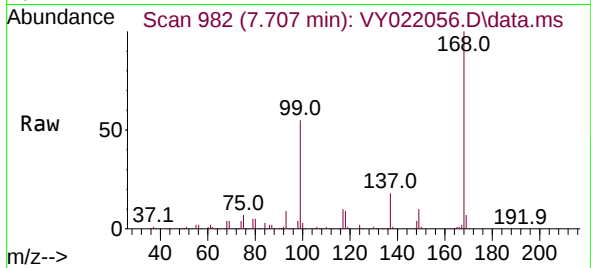




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022056.D
Acq: 29 Apr 2025 15:06

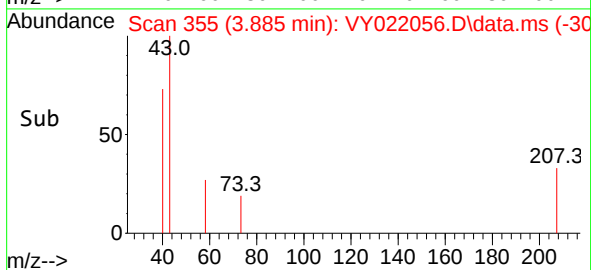
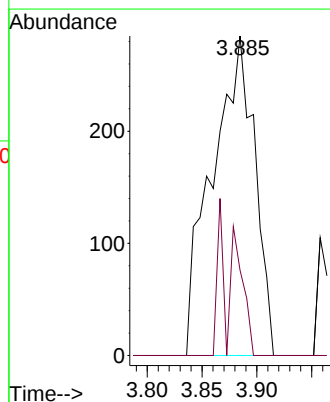
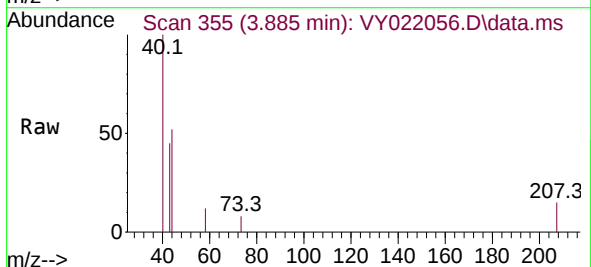
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

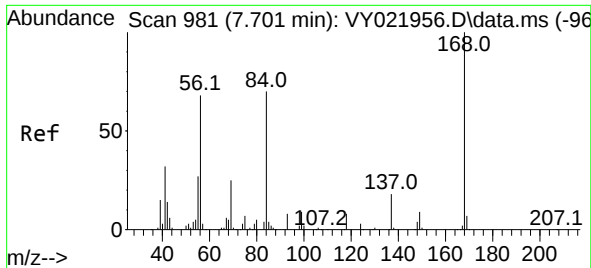
Tgt Ion:168 Resp: 302789
Ion Ratio Lower Upper
168 100
99 55.1 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.885 min Scan# 355
Delta R.T. 0.006 min
Lab File: VY022056.D
Acq: 29 Apr 2025 15:06

Tgt Ion: 43 Resp: 768
Ion Ratio Lower Upper
43 100
58 26.7 27.0 40.4#

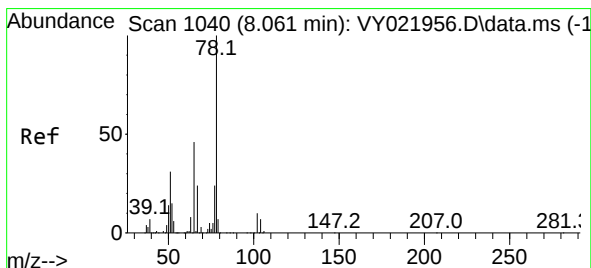
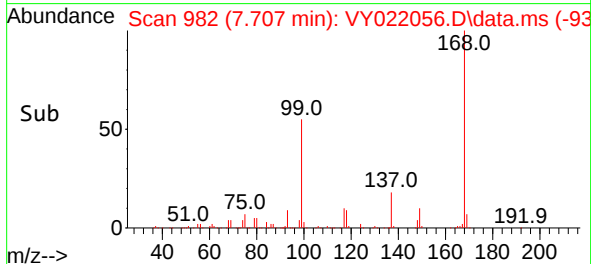
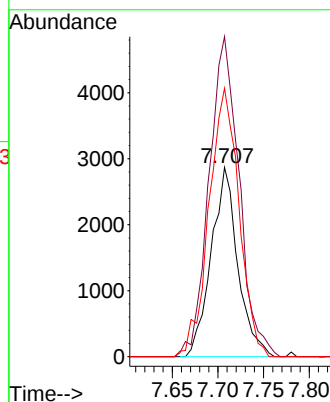
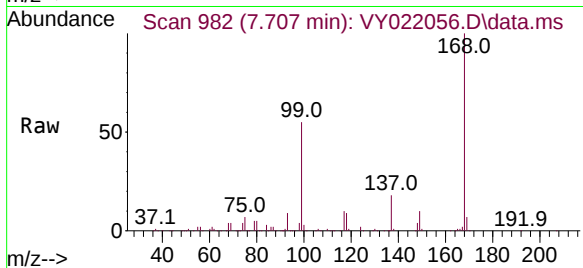




#31
Cyclohexane
Concen: 1.257 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022056.D
Acq: 29 Apr 2025 15:06

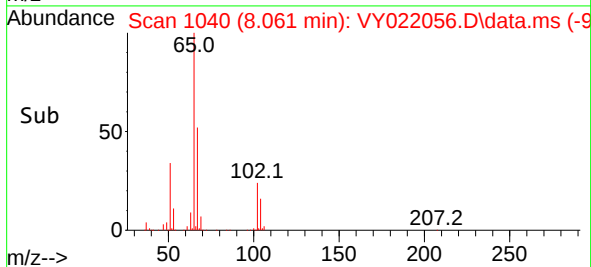
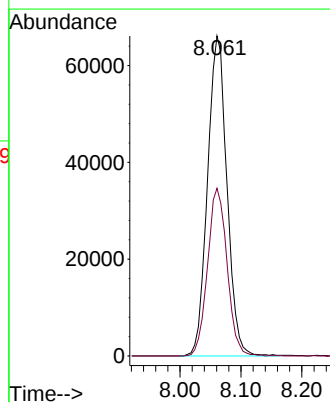
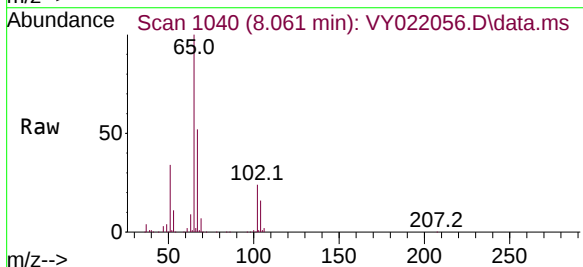
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

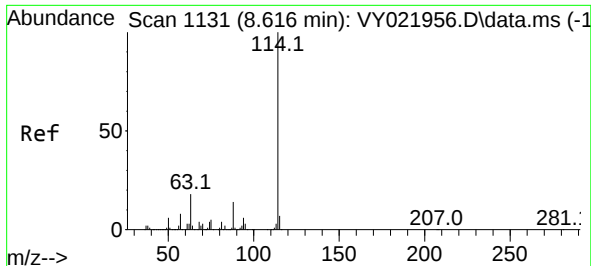
Tgt Ion: 56 Resp: 5811
Ion Ratio Lower Upper
56 100
69 169.1 29.4 44.2#
84 141.8 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 52.300 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022056.D
Acq: 29 Apr 2025 15:06

Tgt Ion: 65 Resp: 146272
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.8

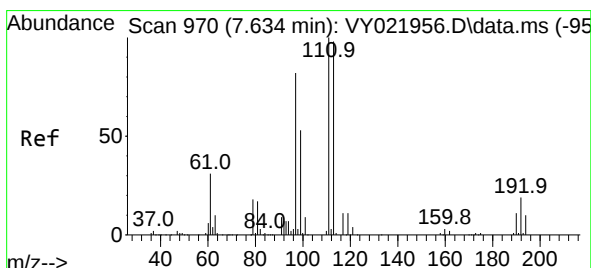
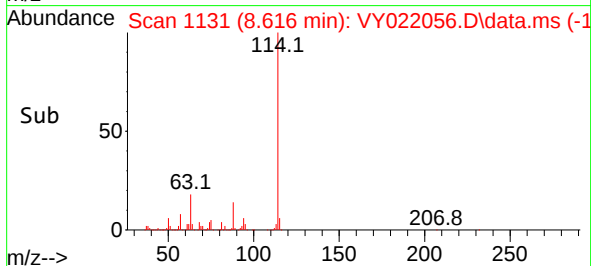
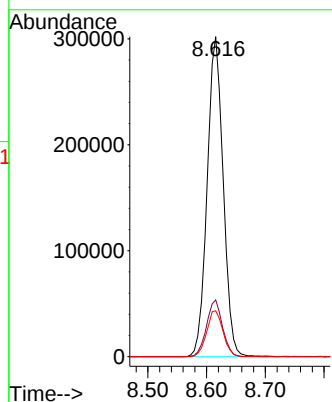
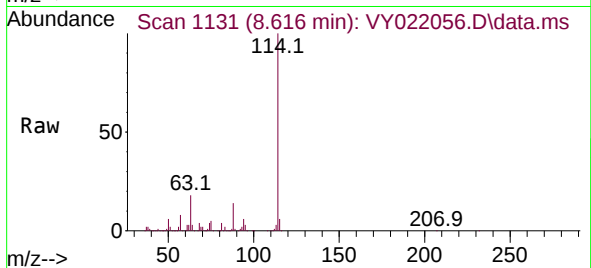




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022056.D
Acq: 29 Apr 2025 15:06

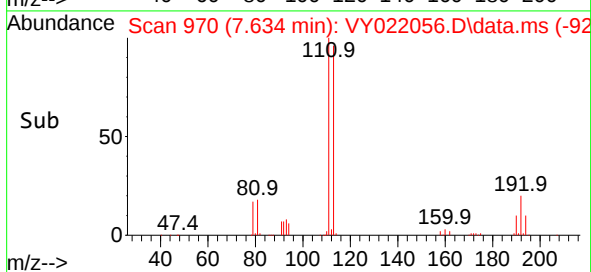
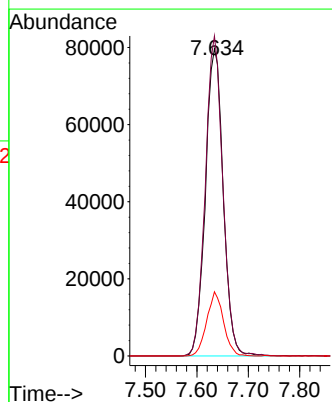
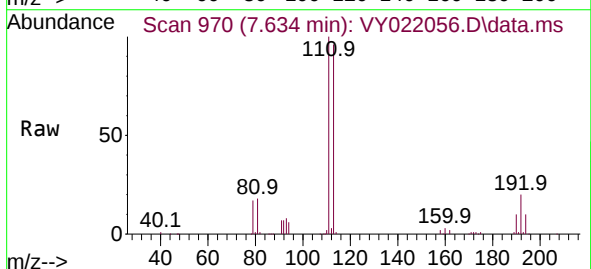
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

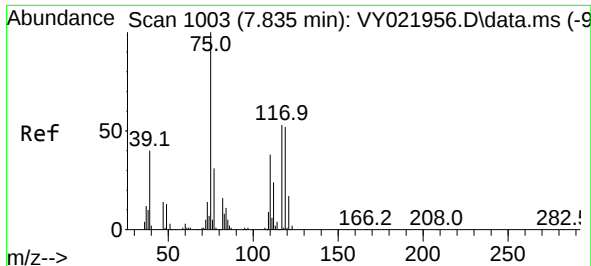
Tgt Ion:114 Resp: 572110
Ion Ratio Lower Upper
114 100
63 17.7 0.0 35.4
88 14.3 0.0 28.2



#35
Dibromofluoromethane
Concen: 50.626 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022056.D
Acq: 29 Apr 2025 15:06

Tgt Ion:113 Resp: 191351
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.8
192 19.7 15.6 23.4

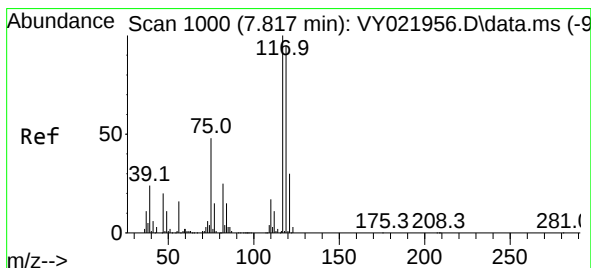
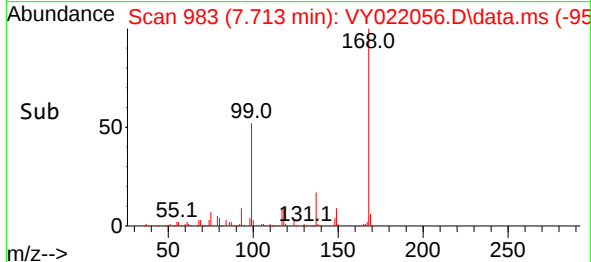
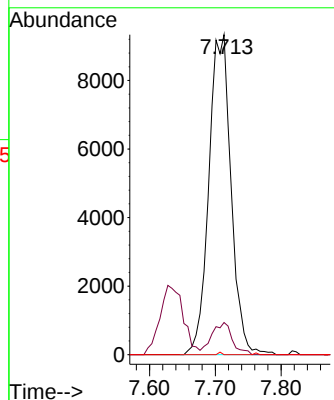
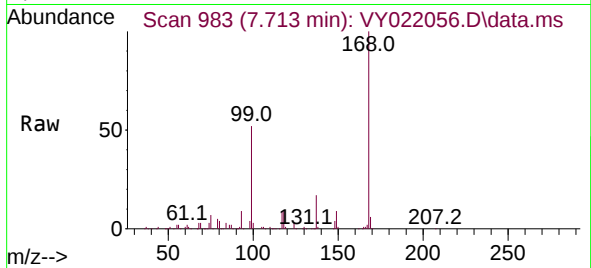




#36
 1,1-Dichloropropene
 Concen: 4.322 ug/l
 RT: 7.713 min Scan# 911
 Delta R.T. -0.122 min
 Lab File: VY022056.D
 Acq: 29 Apr 2025 15:06

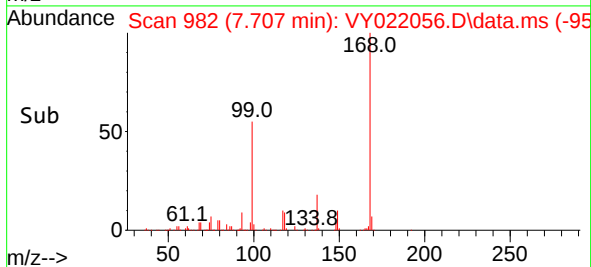
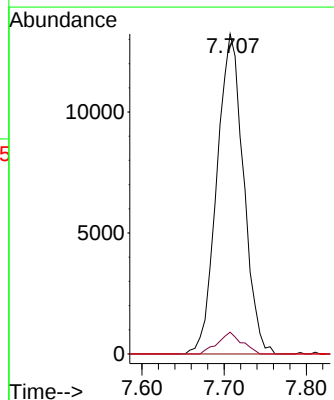
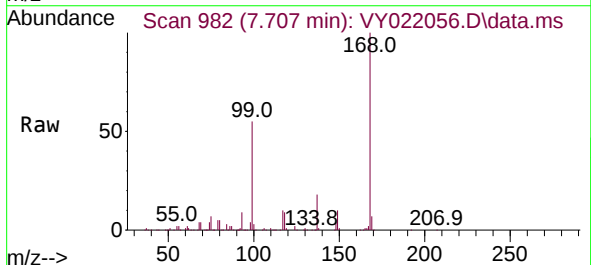
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-4-VOC

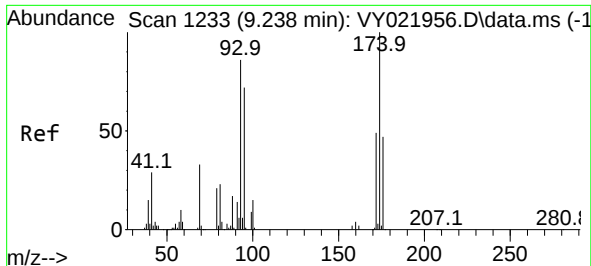
Tgt Ion: 75 Resp: 21941
 Ion Ratio Lower Upper
 75 100
 110 9.3 19.1 57.3#
 77 0.1 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 4.907 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.110 min
 Lab File: VY022056.D
 Acq: 29 Apr 2025 15:06

Tgt Ion: 117 Resp: 29767
 Ion Ratio Lower Upper
 117 100
 119 6.8 76.2 114.4#
 121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 1.025 ug/l

RT: 8.957 min Scan# 1187

Delta R.T. -0.281 min

Lab File: VY022056.D

Acq: 29 Apr 2025 15:06

Instrument :

MSVOA_Y

ClientSampleId :

WC-4-VOC

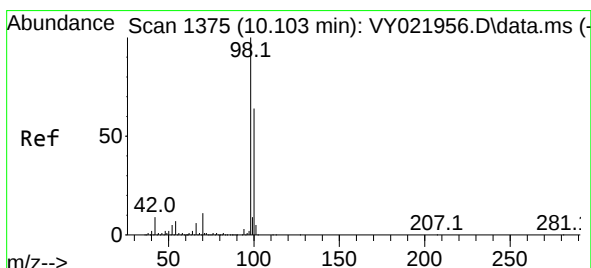
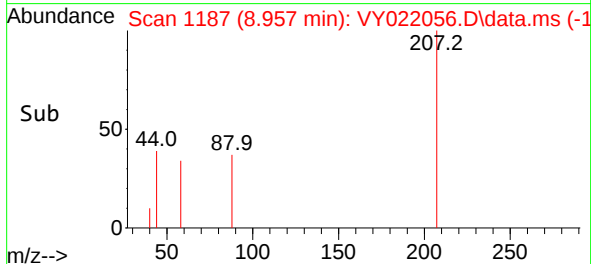
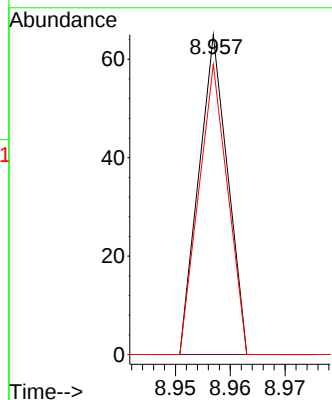
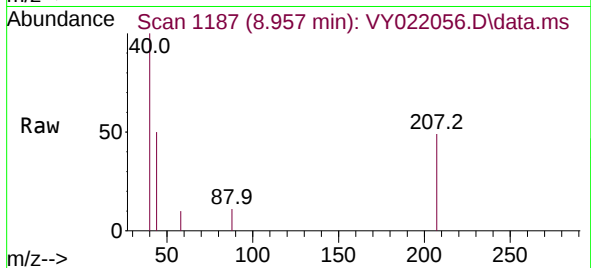
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 0.0 21.3 31.9#

58 91.7 50.5 75.7#



#50

Toluene-d8

Concen: 48.393 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY022056.D

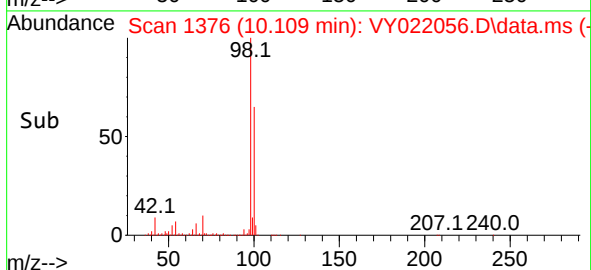
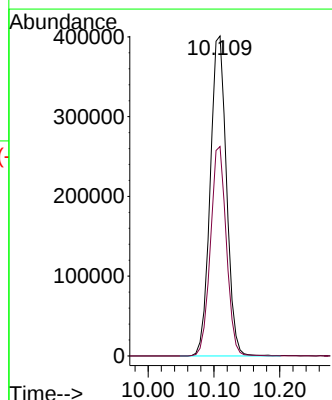
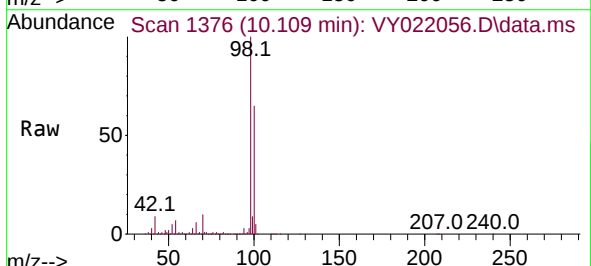
Acq: 29 Apr 2025 15:06

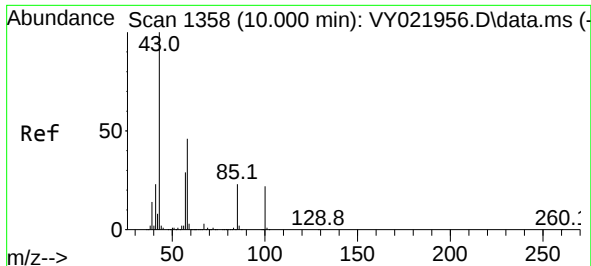
Tgt Ion: 98 Resp: 689571

Ion Ratio Lower Upper

98 100

100 64.0 51.6 77.4

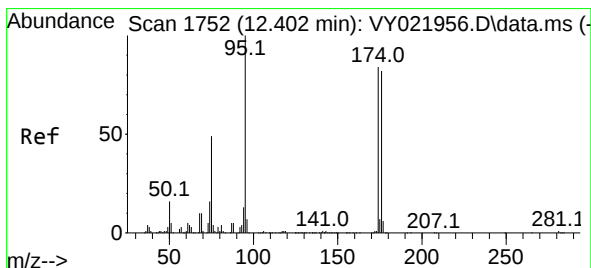
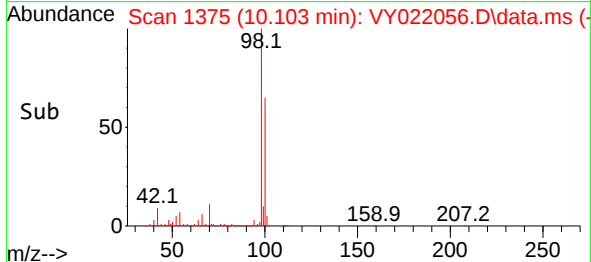
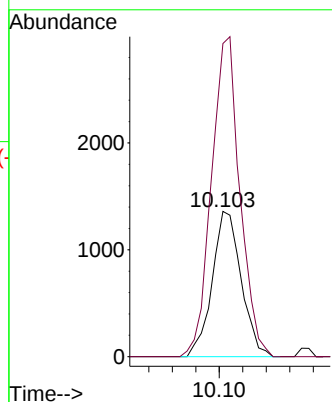
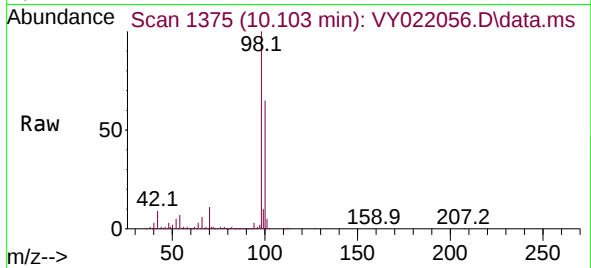




#51
4-Methyl-2-Pentanone
Concen: 1.269 ug/l
RT: 10.103 min Scan# 1358
Delta R.T. 0.103 min
Lab File: VY022056.D
Acq: 29 Apr 2025 15:06

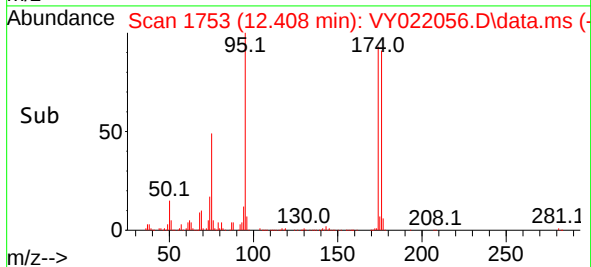
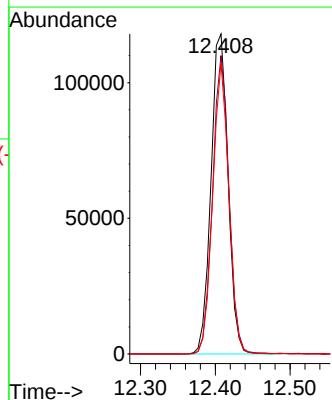
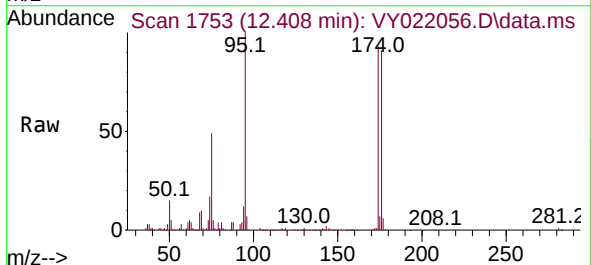
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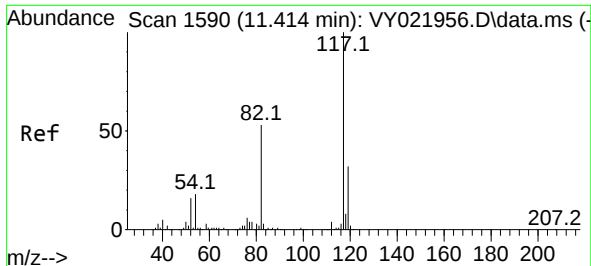
Tgt Ion: 43 Resp: 2330
Ion Ratio Lower Upper
43 100
58 216.1 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 39.076 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022056.D
Acq: 29 Apr 2025 15:06

Tgt Ion: 95 Resp: 187442
Ion Ratio Lower Upper
95 100
174 89.5 0.0 179.0
176 85.6 0.0 171.8

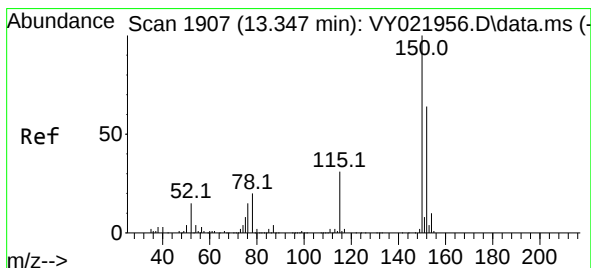
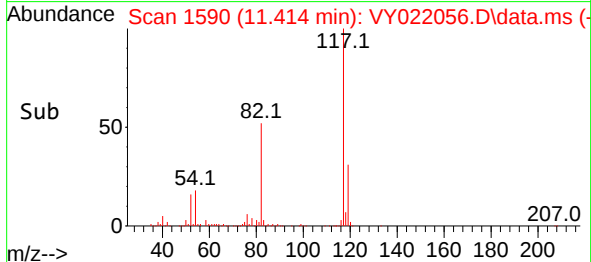
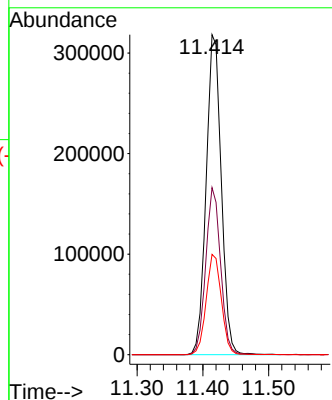
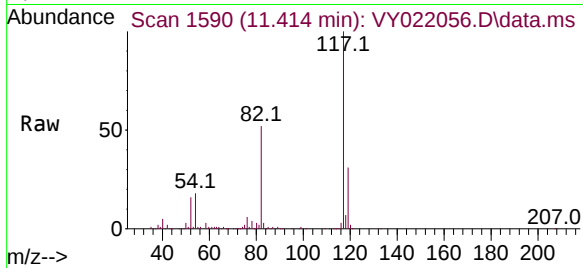




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022056.D
Acq: 29 Apr 2025 15:06

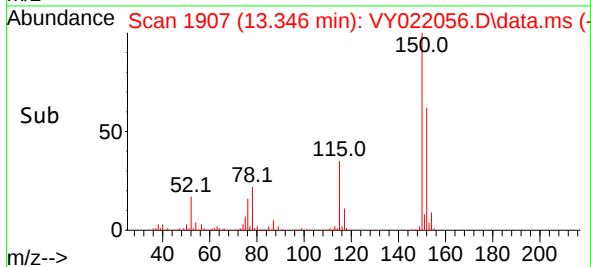
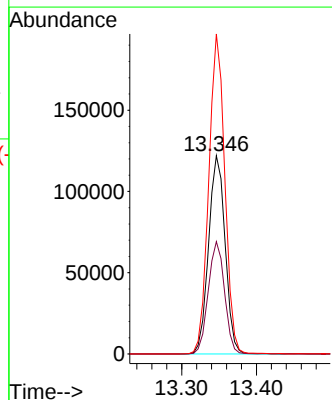
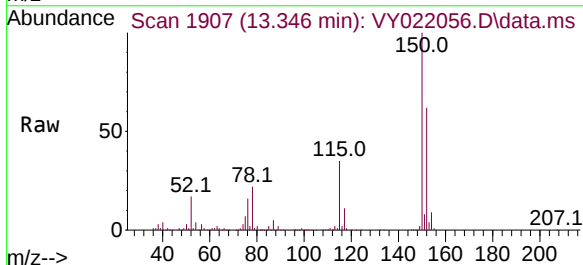
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

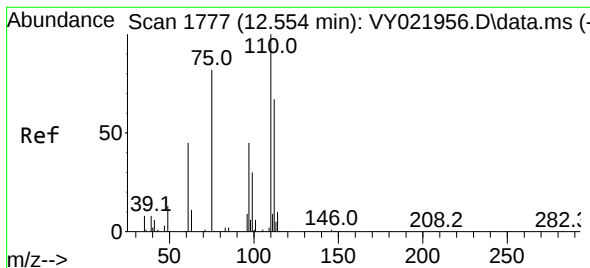
Tgt Ion:117 Resp: 508939
Ion Ratio Lower Upper
117 100
82 52.2 42.1 63.1
119 31.4 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022056.D
Acq: 29 Apr 2025 15:06

Tgt Ion:152 Resp: 187668
Ion Ratio Lower Upper
152 100
115 55.7 28.0 84.0
150 156.2 0.0 345.6

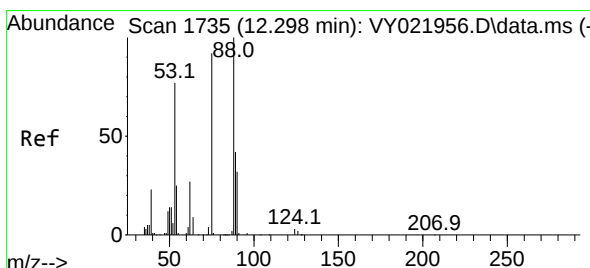
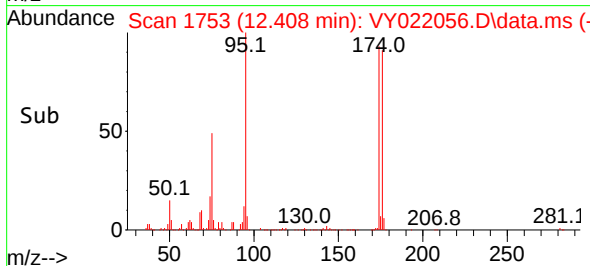
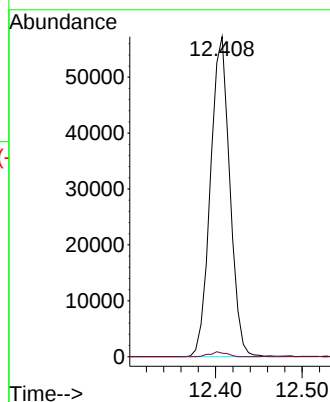
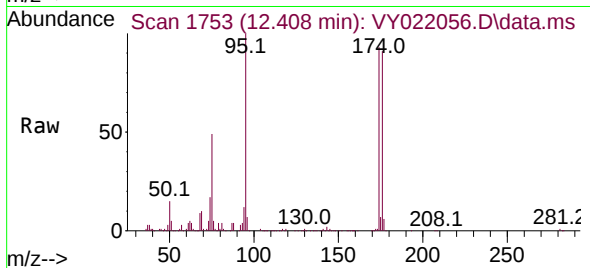




#76
1,2,3-Trichloropropane
Concen: 55.325 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY022056.D
Acq: 29 Apr 2025 15:06

Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

Tgt Ion: 75 Resp: 88934
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.232 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY022056.D
Acq: 29 Apr 2025 15:06

Tgt Ion: 75 Resp: 88934
Ion Ratio Lower Upper
75 100
53 0.2 66.0 99.0#
89 0.0 37.2 55.8#

