

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052025\
 Data File : VY022333.D
 Acq On : 20 May 2025 11:28
 Operator : SY/MD
 Sample : Q2062-19
 Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 L1-WC-5-VOC

Quant Time: May 21 01:45:56 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)

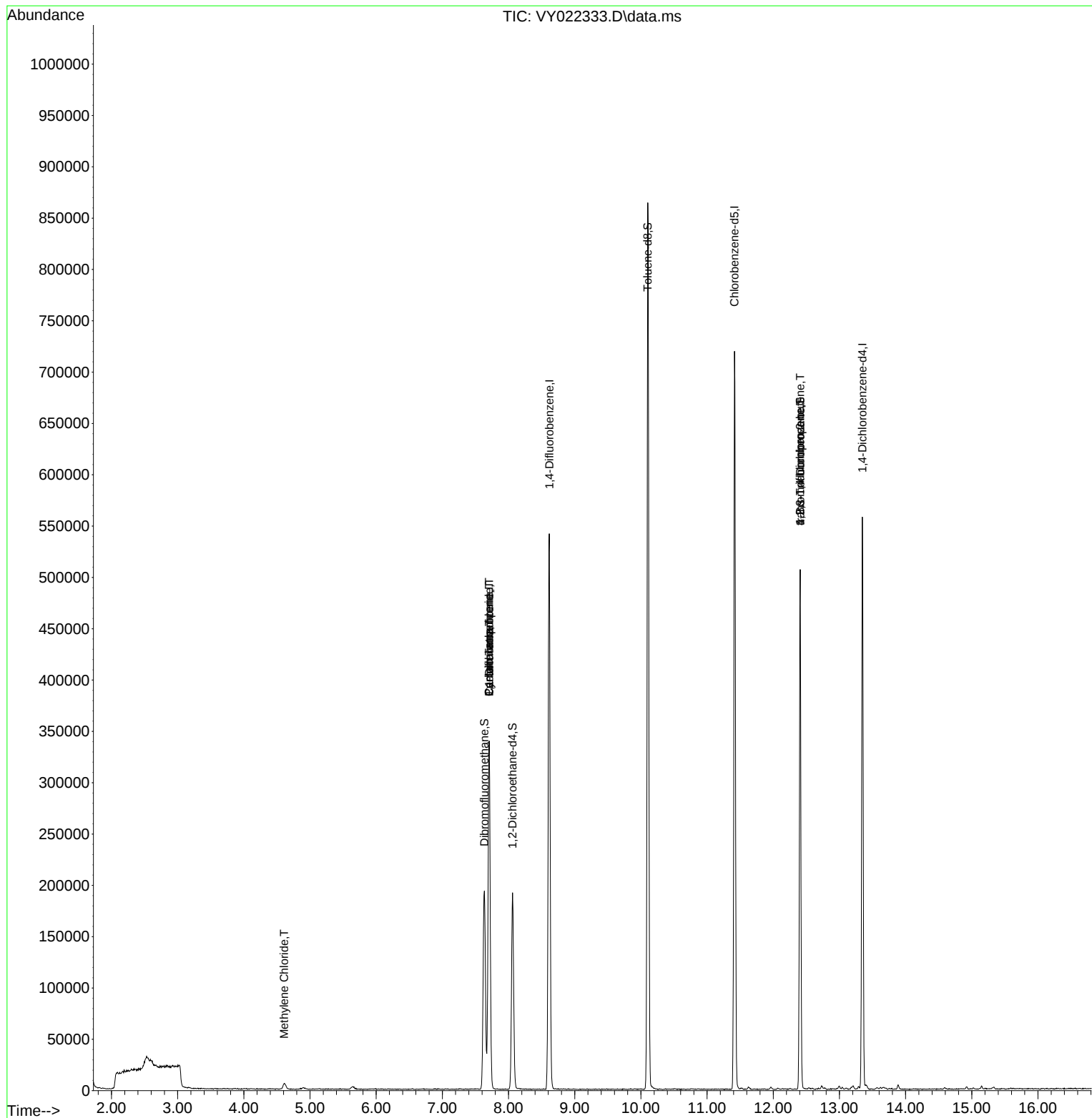
Internal Standards						
1) Pentafluorobenzene	7.707	168	257147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	453971	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	362142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	125937	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	145390	51.733	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.460%	
35) Dibromofluoromethane	7.634	113	136604	50.415	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.840%	
50) Toluene-d8	10.103	98	547392	49.327	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.660%	
62) 4-Bromofluorobenzene	12.408	95	136893	38.918	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 77.840%	
Target Compounds						Qvalue
20) Methylene Chloride	4.610	84	3572	1.049	ug/l	82
31) Cyclohexane	7.707	56	6835	1.202	ug/l #	32
36) 1,1-Dichloropropene	7.707	75	21776	4.879	ug/l #	51
38) Carbon Tetrachloride	7.707	117	26134	5.657	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	80925	63.427	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	80925	128.487	ug/l #	12

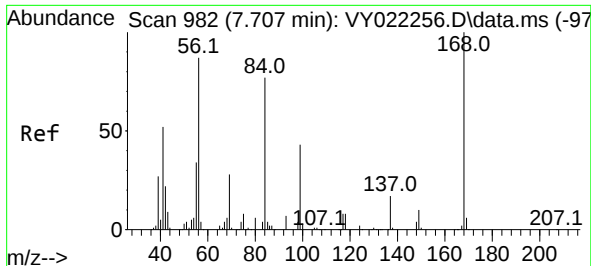
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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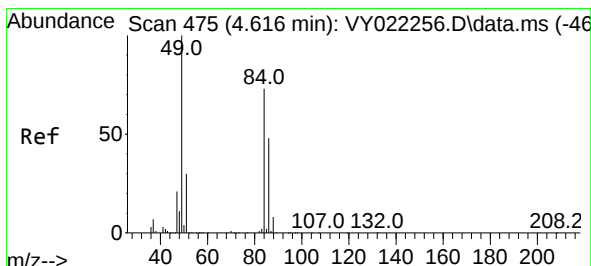
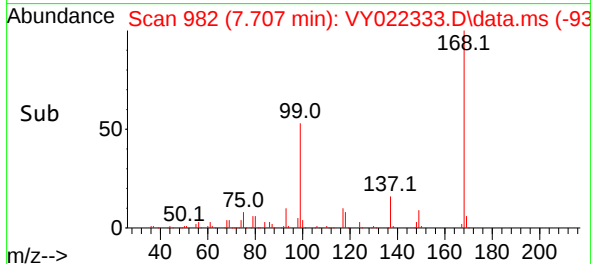
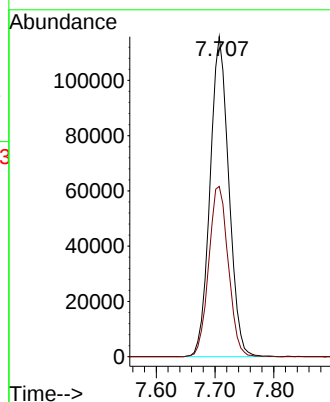
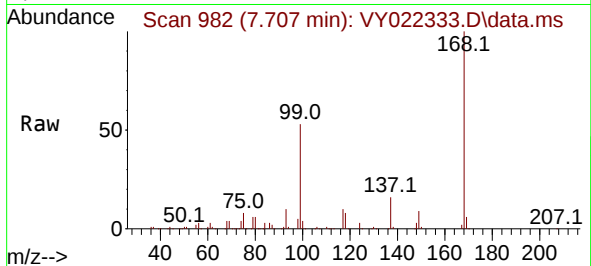




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022333.D
Acq: 20 May 2025 11:28

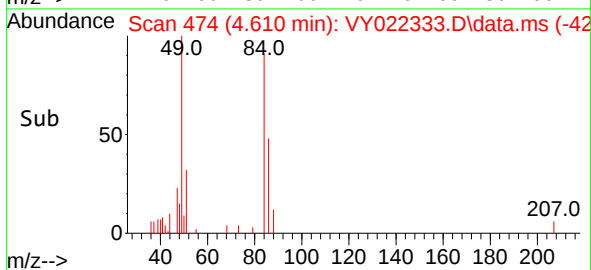
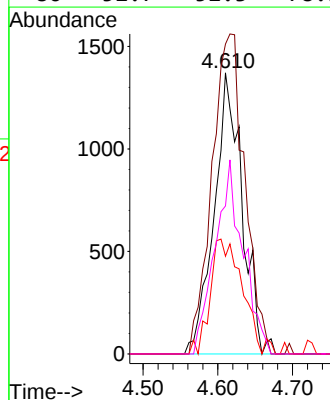
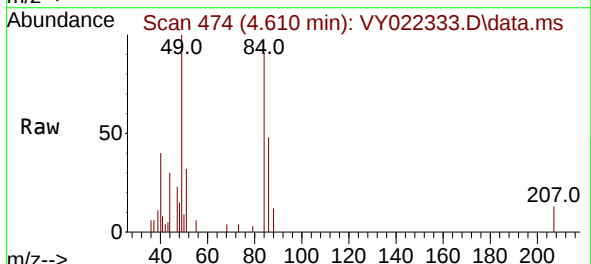
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-5-VOC

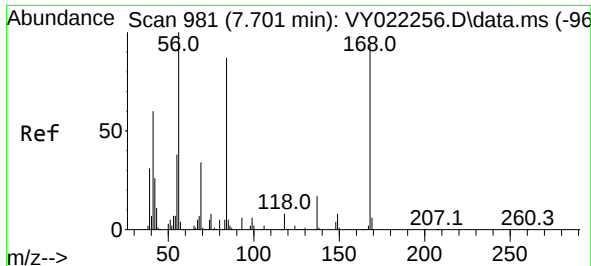
Tgt Ion:168 Resp: 257147
Ion Ratio Lower Upper
168 100
99 53.2 44.2 66.4



#20
Methylene Chloride
Concen: 1.049 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY022333.D
Acq: 20 May 2025 11:28

Tgt Ion: 84 Resp: 3572
Ion Ratio Lower Upper
84 100
49 110.3 109.6 164.4
51 34.8 32.4 48.6
86 52.7 52.3 78.5

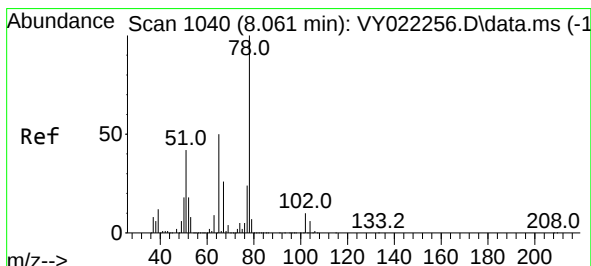
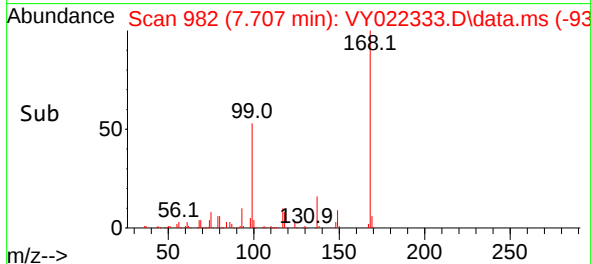
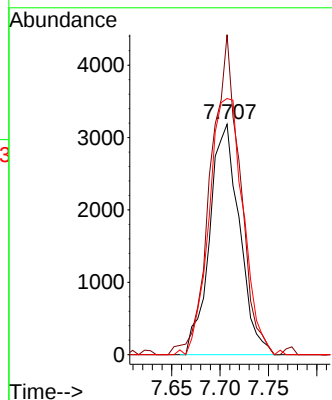
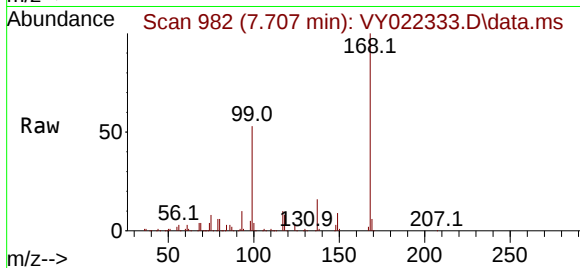




#31
Cyclohexane
Concen: 1.202 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022333.D
Acq: 20 May 2025 11:28

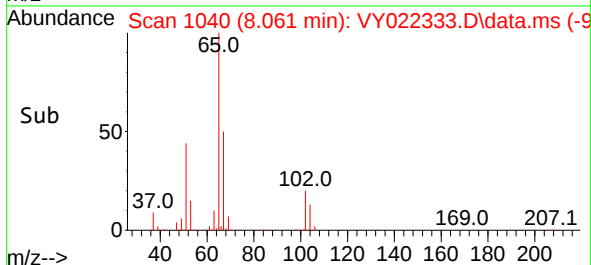
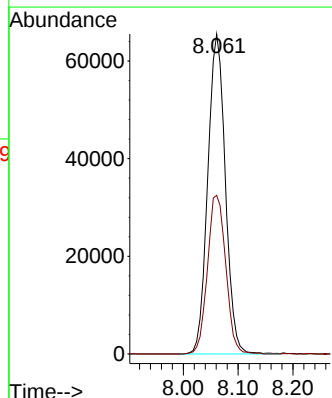
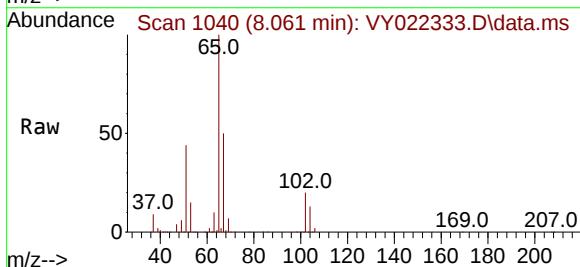
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-5-VOC

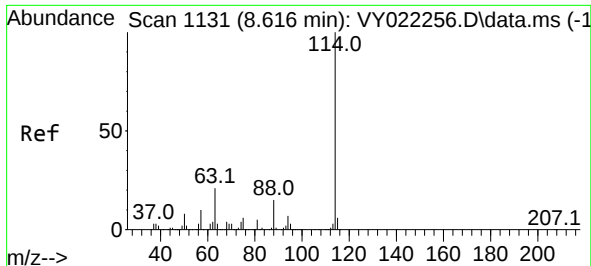
Tgt Ion: 56 Resp: 6835
Ion Ratio Lower Upper
56 100
69 138.9 27.4 41.2#
84 109.2 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 51.733 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022333.D
Acq: 20 May 2025 11:28

Tgt Ion: 65 Resp: 145390
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: VY022333.D

Acq: 20 May 2025 11:28

Instrument :

MSVOA_Y

ClientSampleId :

L1-WC-5-VOC

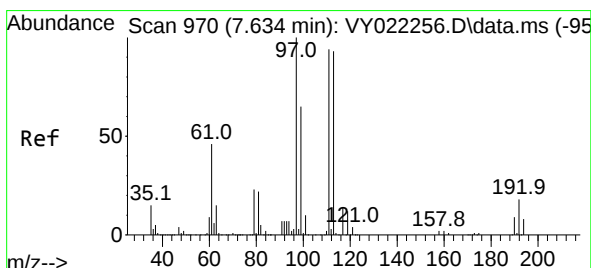
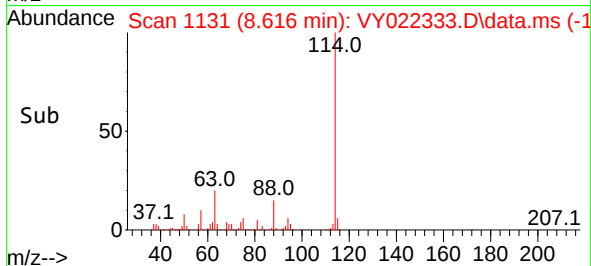
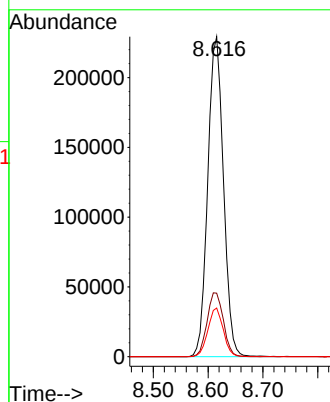
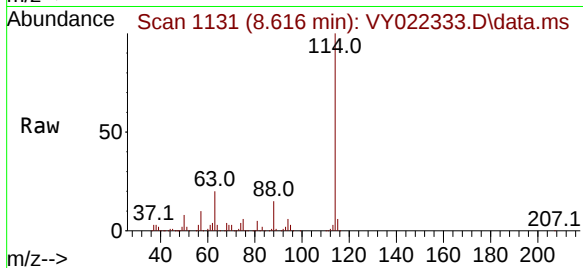
Tgt Ion:114 Resp: 453971

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.0

88 15.2 0.0 29.4



#35

Dibromofluoromethane

Concen: 50.415 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY022333.D

Acq: 20 May 2025 11:28

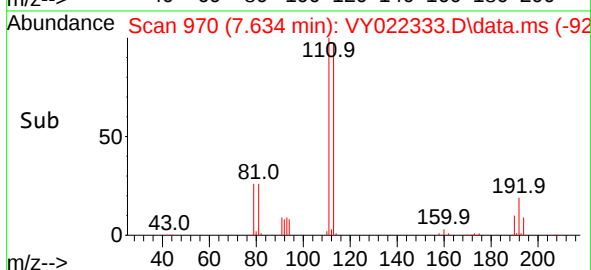
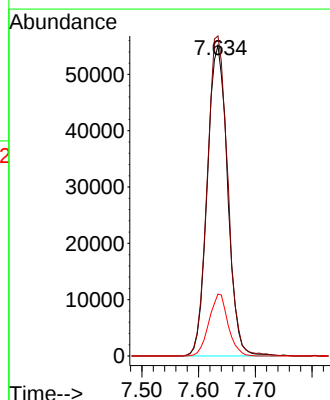
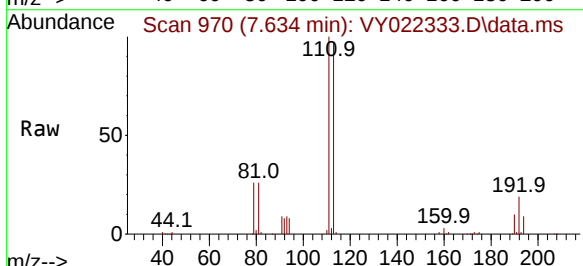
Tgt Ion:113 Resp: 136604

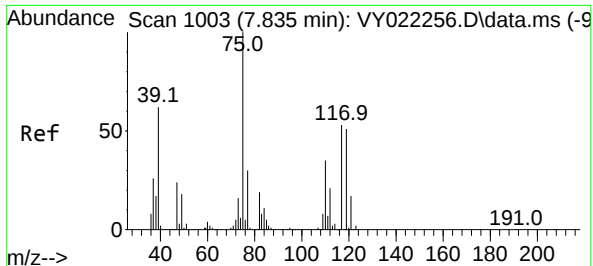
Ion Ratio Lower Upper

113 100

111 103.6 82.6 123.8

192 18.8 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.879 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY022333.D

Acq: 20 May 2025 11:28

Instrument :

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ClientSampleId :

L1-WC-5-VOC

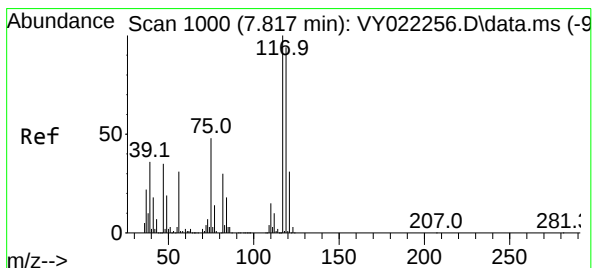
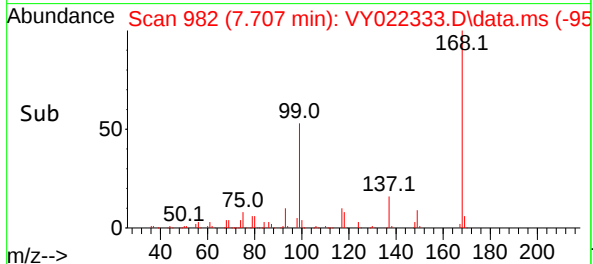
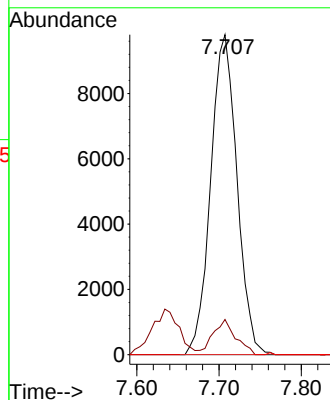
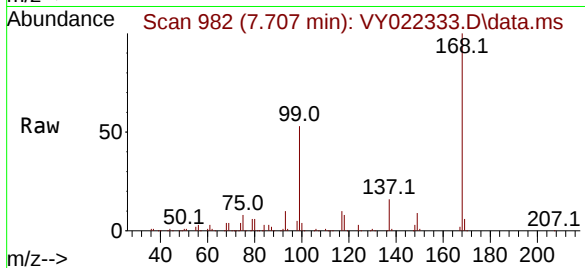
Tgt Ion: 75 Resp: 21776

Ion Ratio Lower Upper

75 100

110 9.6 16.6 49.8#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.657 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022333.D

Acq: 20 May 2025 11:28

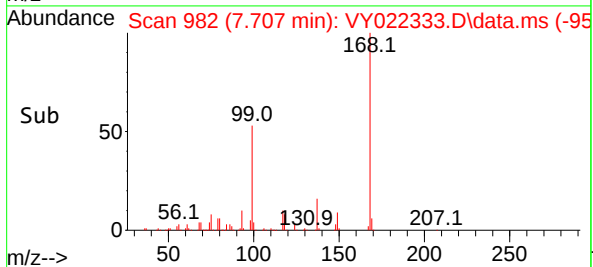
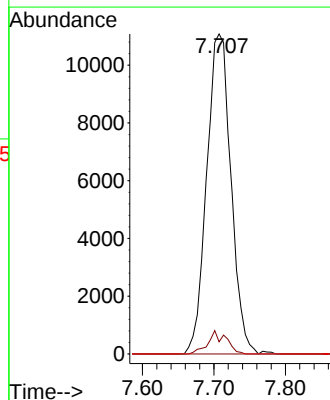
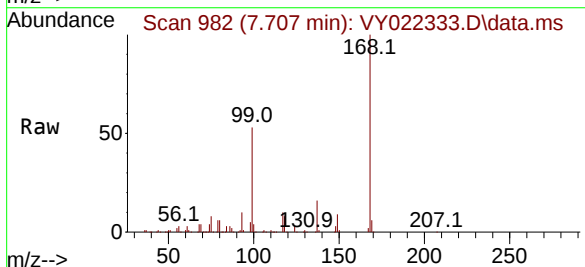
Tgt Ion: 117 Resp: 26134

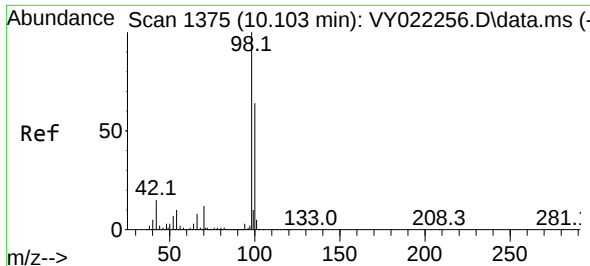
Ion Ratio Lower Upper

117 100

119 3.8 75.3 112.9#

121 0.0 24.7 37.1#

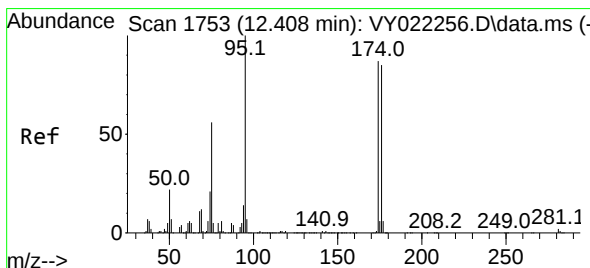
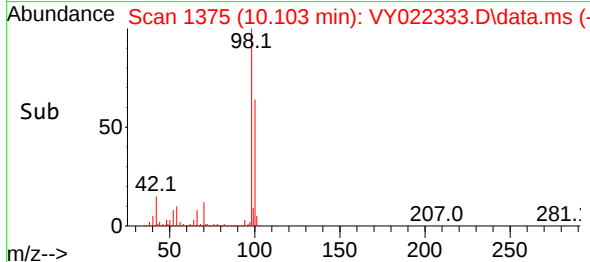
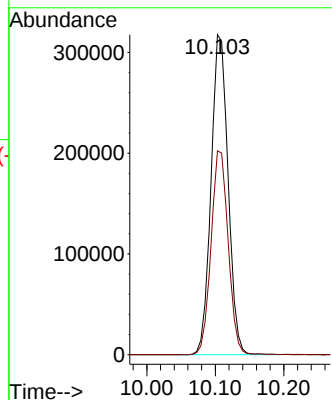
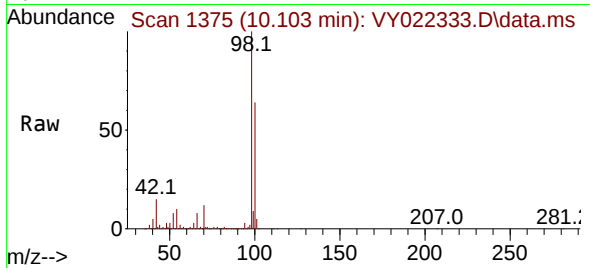




#50
Toluene-d8
Concen: 49.327 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022333.D
Acq: 20 May 2025 11:28

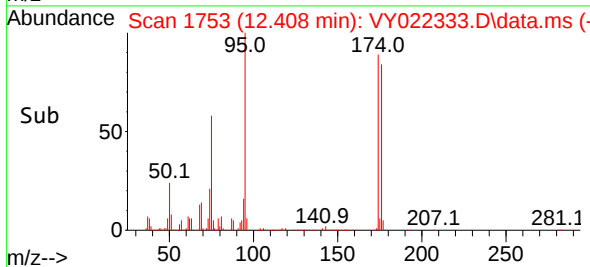
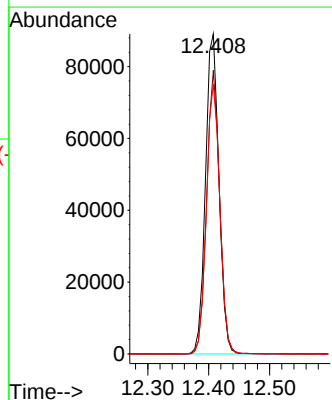
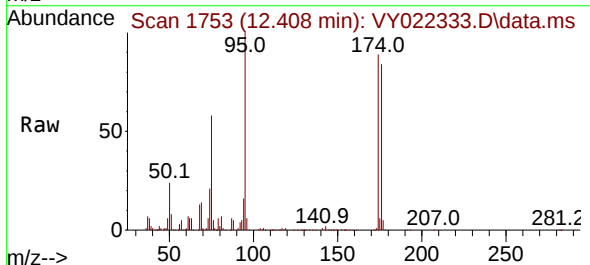
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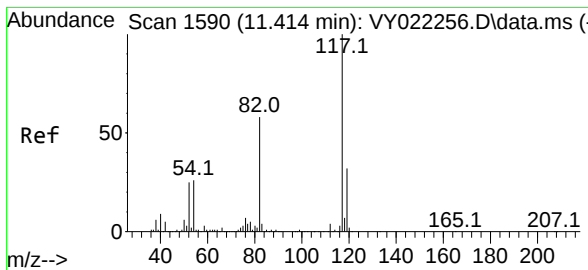
Tgt Ion: 98 Resp: 547392
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 38.918 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022333.D
Acq: 20 May 2025 11:28

Tgt Ion: 95 Resp: 136893
Ion Ratio Lower Upper
95 100
174 85.7 0.0 166.8
176 84.0 0.0 160.8

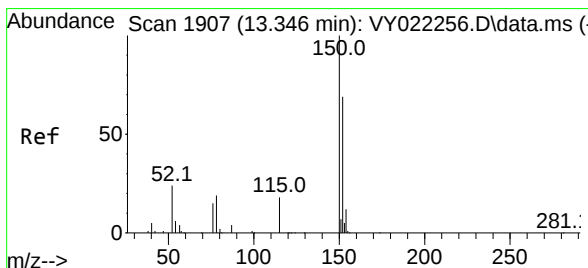
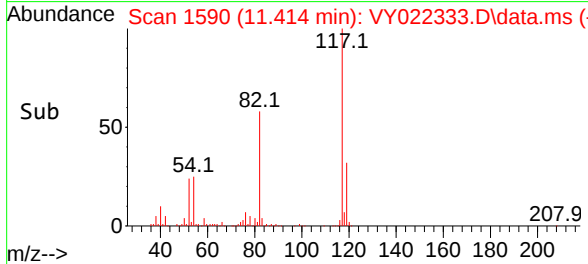
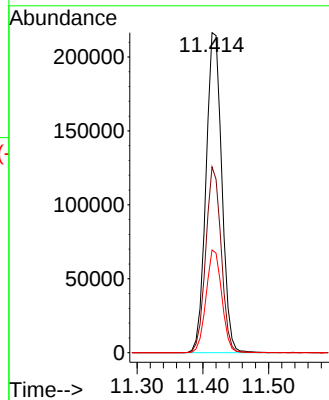
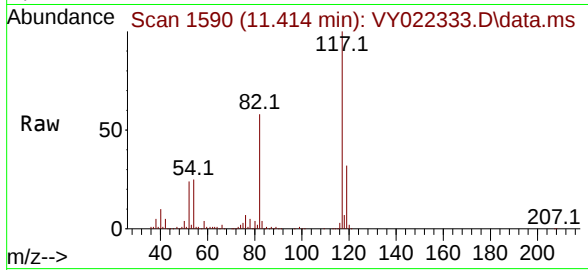




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY022333.D
Acq: 20 May 2025 11:28

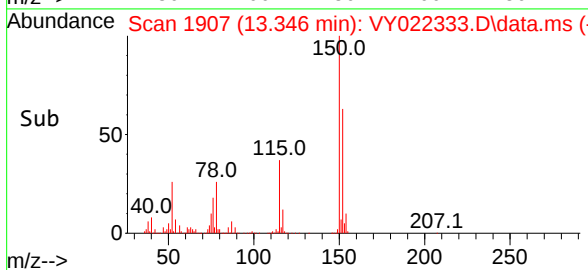
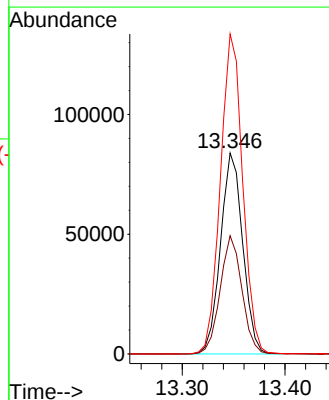
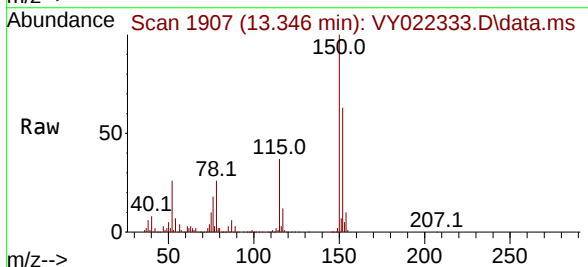
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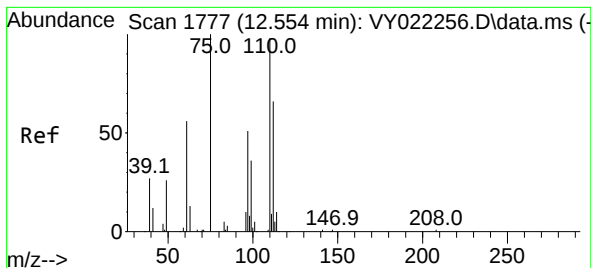
Tgt Ion:117 Resp: 362142
Ion Ratio Lower Upper
117 100
82 58.0 46.6 70.0
119 32.1 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022333.D
Acq: 20 May 2025 11:28

Tgt Ion:152 Resp: 125937
Ion Ratio Lower Upper
152 100
115 57.6 29.4 88.2
150 159.6 0.0 353.8

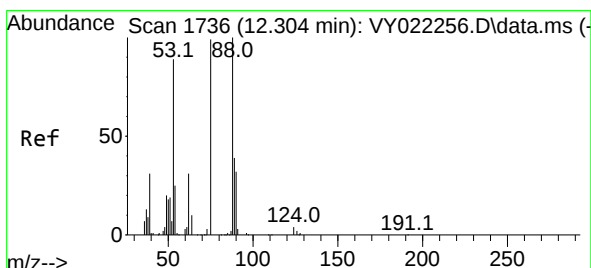
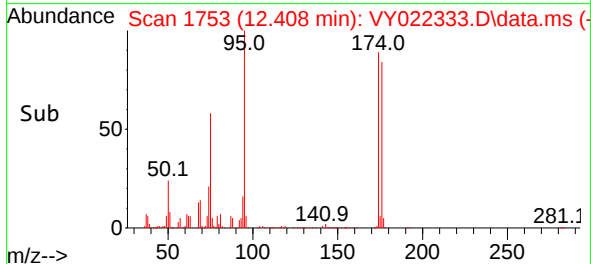
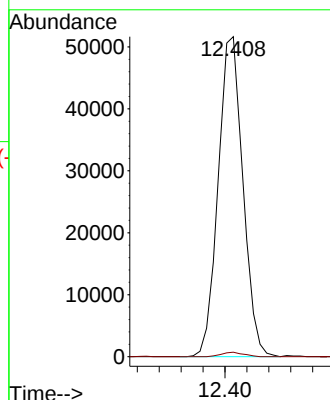
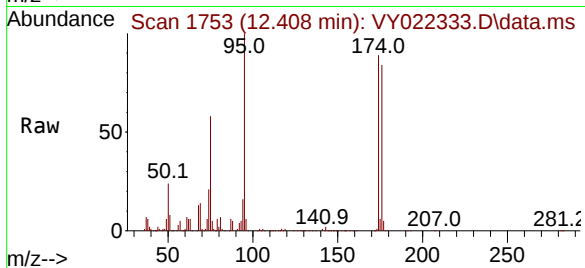




#76
1,2,3-Trichloropropane
Concen: 63.427 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY022333.D
Acq: 20 May 2025 11:28

Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-5-VOC

Tgt Ion: 75 Resp: 80925
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.487 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY022333.D
Acq: 20 May 2025 11:28

Tgt Ion: 75 Resp: 80925
Ion Ratio Lower Upper
75 100
53 0.1 75.8 113.8#
89 0.0 36.2 54.2#

