

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022322.D
 Acq On : 19 May 2025 16:33
 Operator : SY/MD
 Sample : Q2071-07
 Misc : 4.20g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 L1-WC-8-VOC

Quant Time: May 20 01:16:11 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)

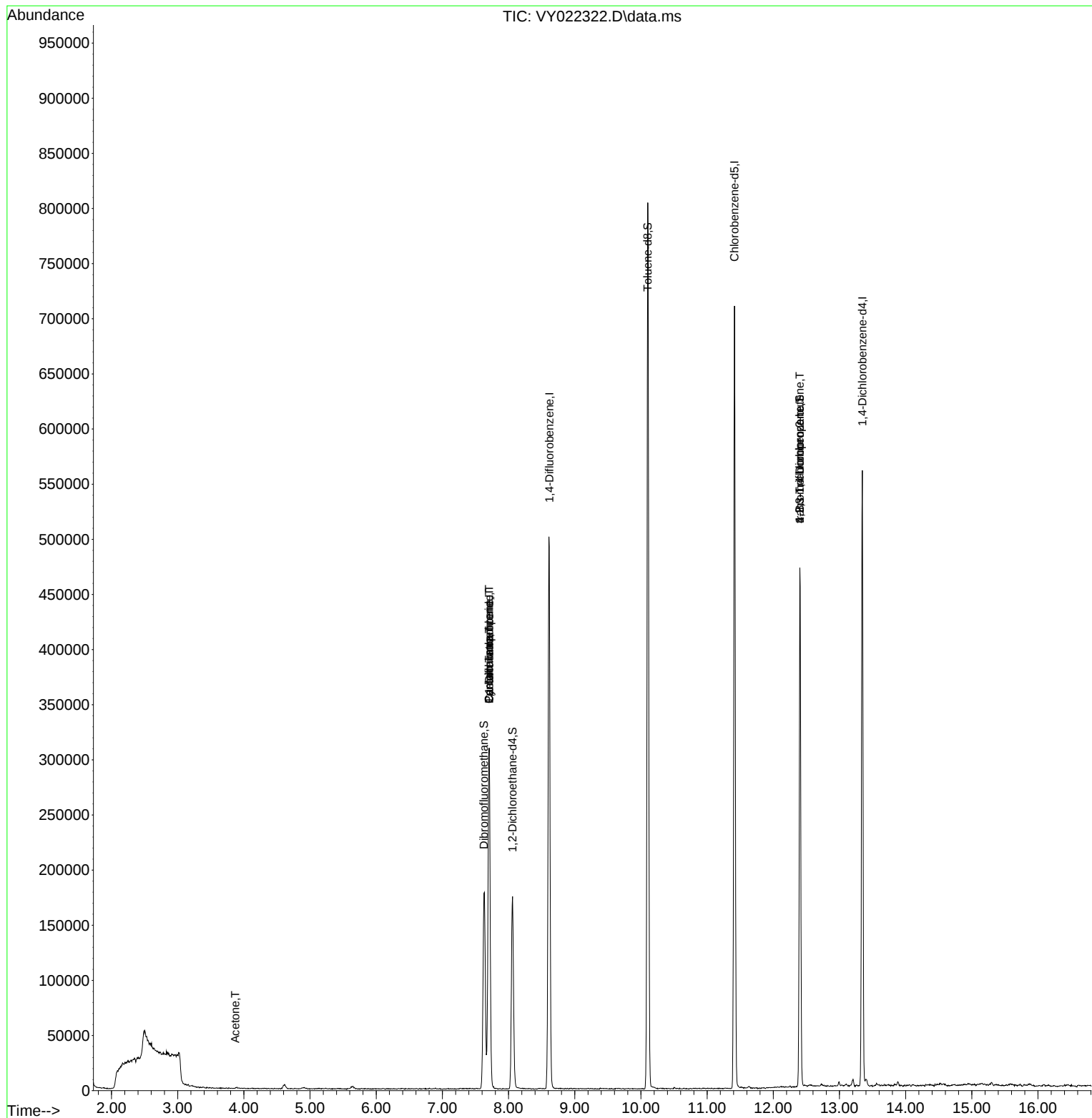
Internal Standards						
1) Pentafluorobenzene	7.707	168	237316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	421279	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	339696	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	128687	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	128518	49.551	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.100%
35) Dibromofluoromethane	7.628	113	126041	50.127	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.260%
50) Toluene-d8	10.103	98	504433	48.983	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.960%
62) 4-Bromofluorobenzene	12.401	95	130710	40.044	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.080%
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	1198	2.463	ug/l	94
31) Cyclohexane	7.707	56	6410	1.222	ug/l #	32
36) 1,1-Dichloropropene	7.707	75	20429	4.933	ug/l #	50
38) Carbon Tetrachloride	7.707	117	23857	5.565	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	76751	58.870	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	76751	119.256	ug/l #	12

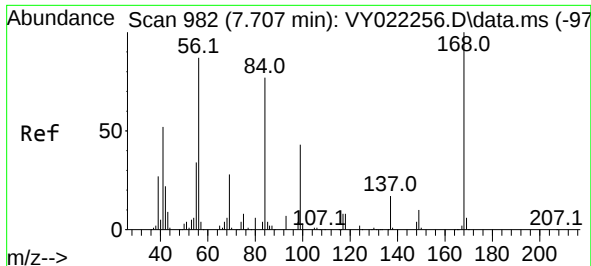
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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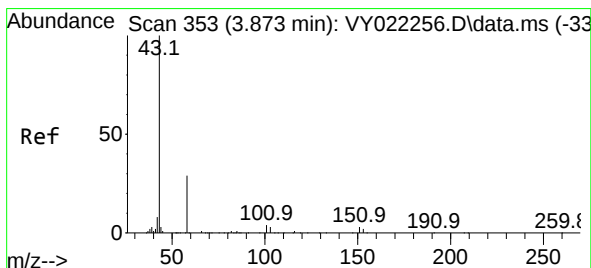
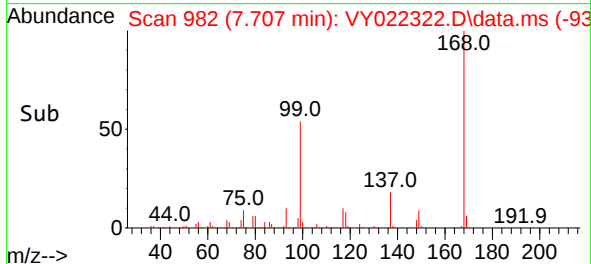
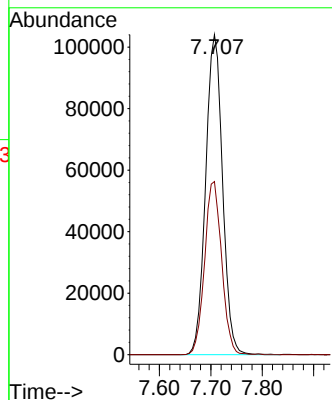
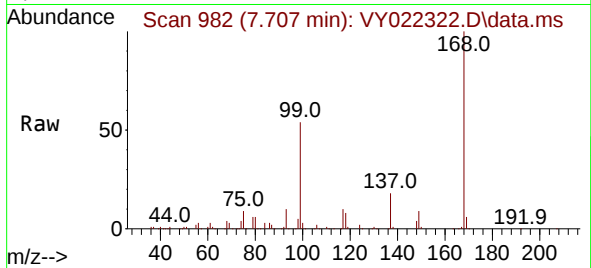




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022322.D
Acq: 19 May 2025 16:33

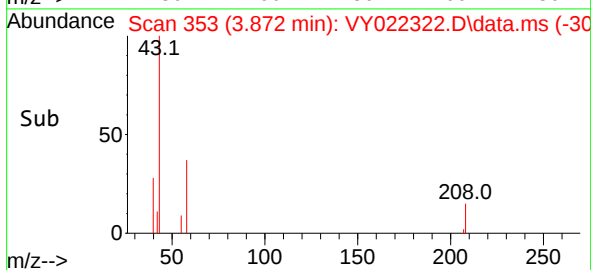
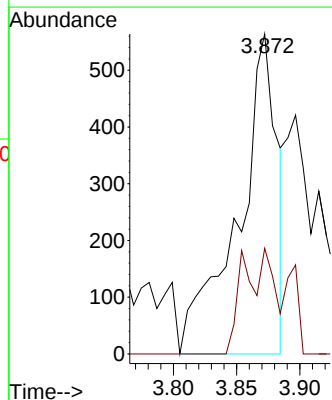
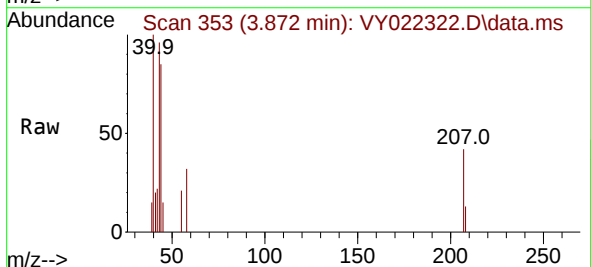
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-8-VOC

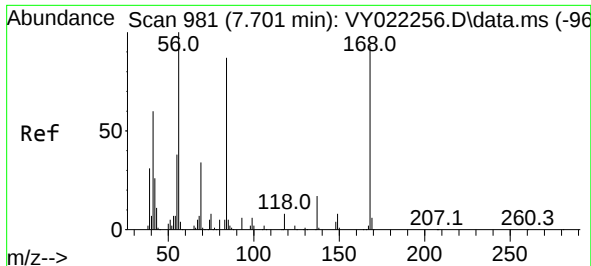
Tgt Ion:168 Resp: 237316
Ion Ratio Lower Upper
168 100
99 54.1 44.2 66.4



#16
Acetone
Concen: 2.463 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY022322.D
Acq: 19 May 2025 16:33

Tgt Ion: 43 Resp: 1198
Ion Ratio Lower Upper
43 100
58 33.0 23.6 35.4

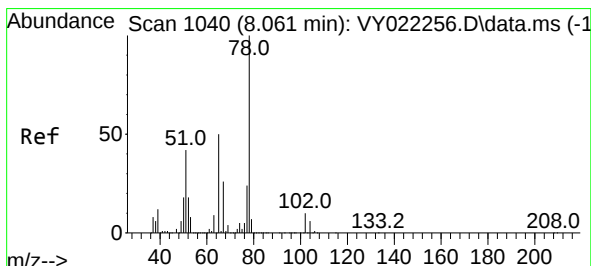
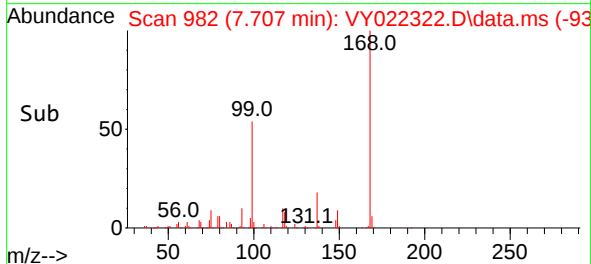
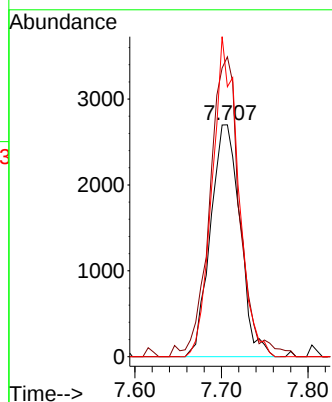
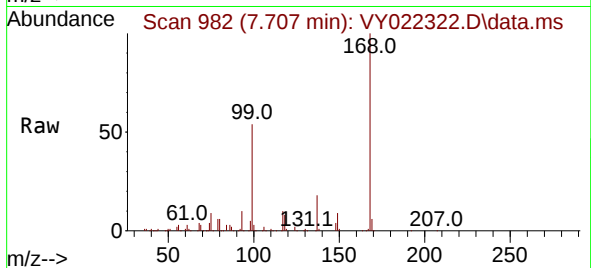




#31
Cyclohexane
Concen: 1.222 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022322.D
Acq: 19 May 2025 16:33

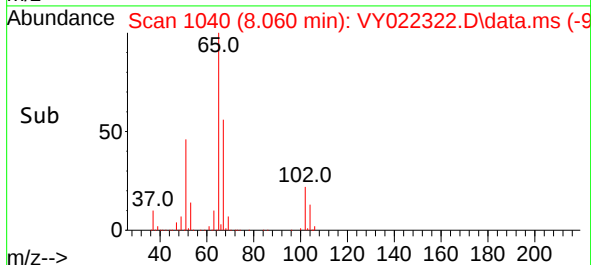
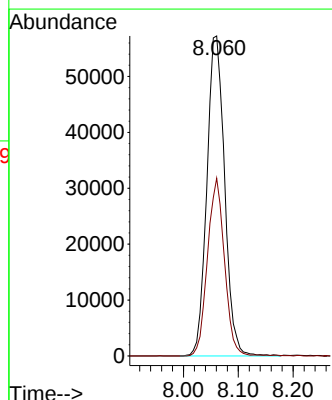
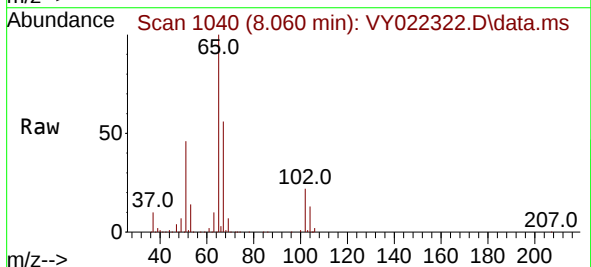
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-8-VOC

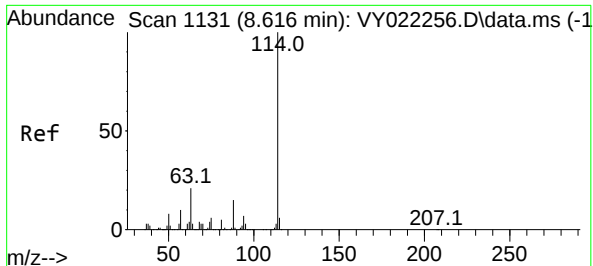
Tgt Ion: 56 Resp: 6410
Ion Ratio Lower Upper
56 100
69 126.8 27.4 41.2#
84 116.4 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 49.551 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022322.D
Acq: 19 May 2025 16:33

Tgt Ion: 65 Resp: 128518
Ion Ratio Lower Upper
65 100
67 53.0 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022322.D

Acq: 19 May 2025 16:33

Instrument :

MSVOA_Y

ClientSampleId :

L1-WC-8-VOC

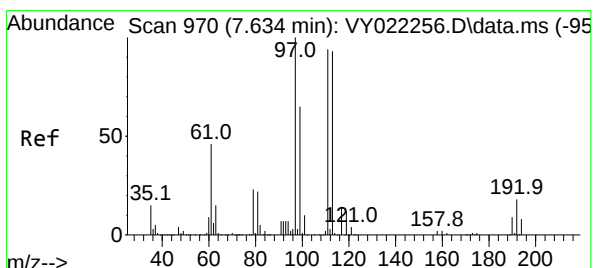
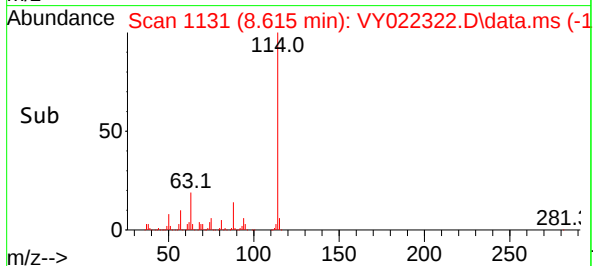
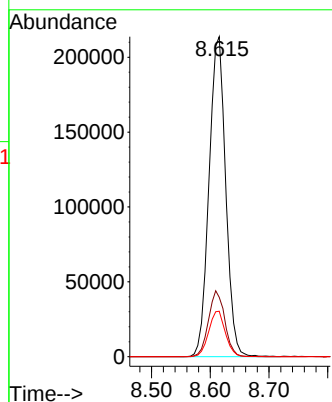
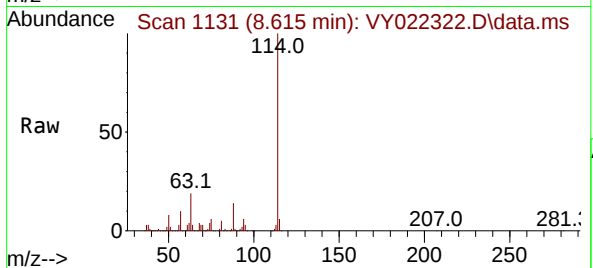
Tgt Ion:114 Resp: 421279

Ion Ratio Lower Upper

114 100

63 18.6 0.0 41.0

88 14.2 0.0 29.4



#35

Dibromofluoromethane

Concen: 50.127 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY022322.D

Acq: 19 May 2025 16:33

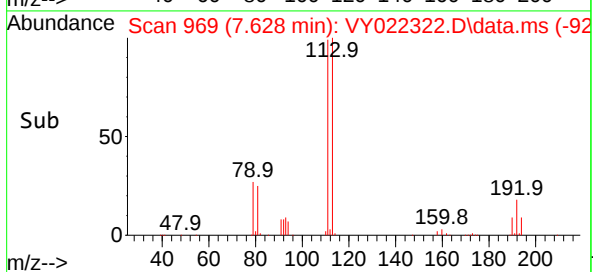
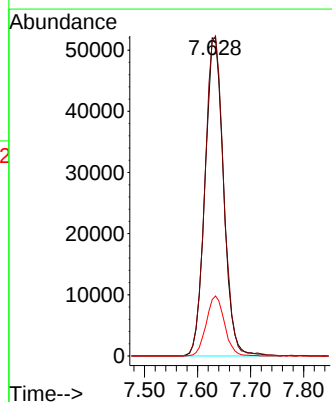
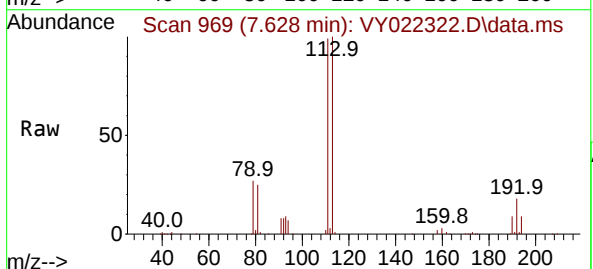
Tgt Ion:113 Resp: 126041

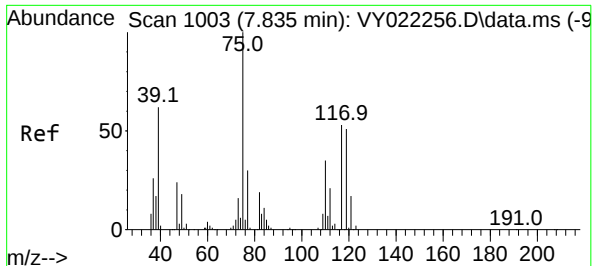
Ion Ratio Lower Upper

113 100

111 101.5 82.6 123.8

192 18.6 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.933 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.128 min

Lab File: VY022322.D

Acq: 19 May 2025 16:33

Instrument :

MSVOA_Y

ClientSampleId :

L1-WC-8-VOC

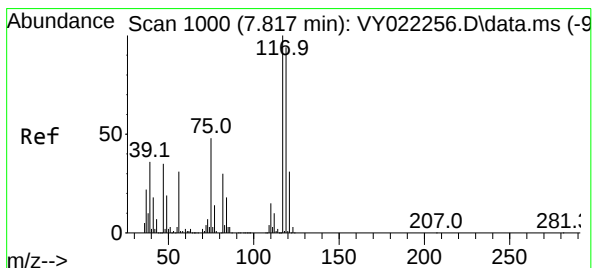
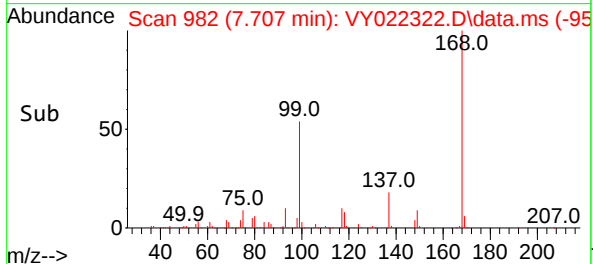
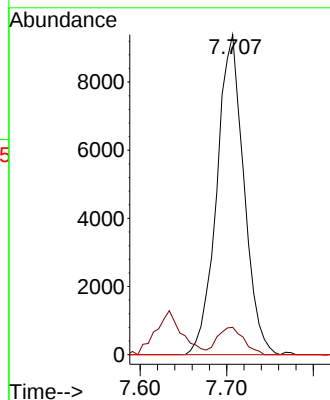
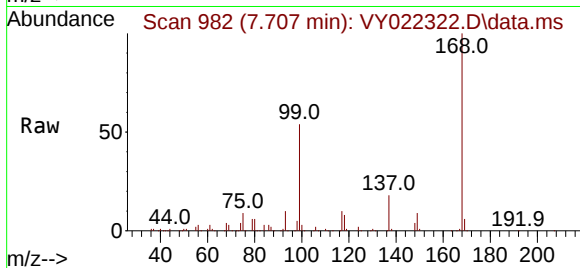
Tgt Ion: 75 Resp: 20429

Ion Ratio Lower Upper

75 100

110 8.3 16.6 49.8#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.565 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY022322.D

Acq: 19 May 2025 16:33

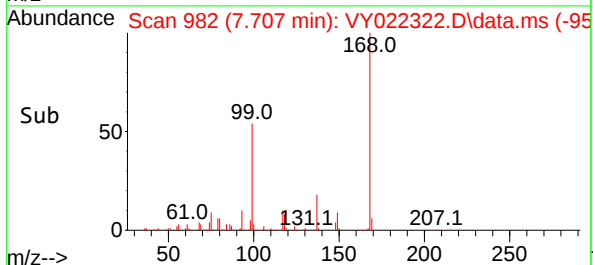
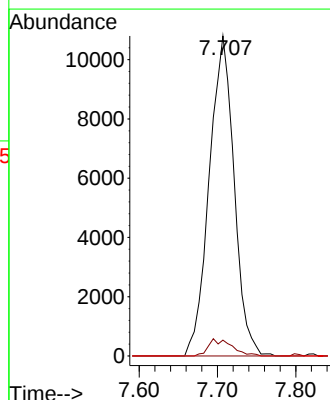
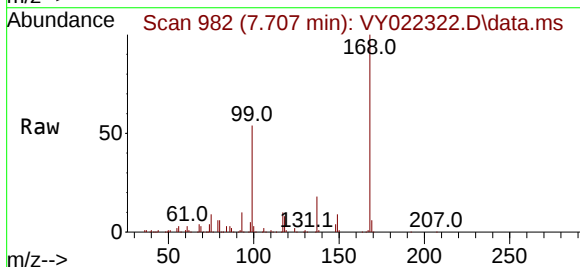
Tgt Ion: 117 Resp: 23857

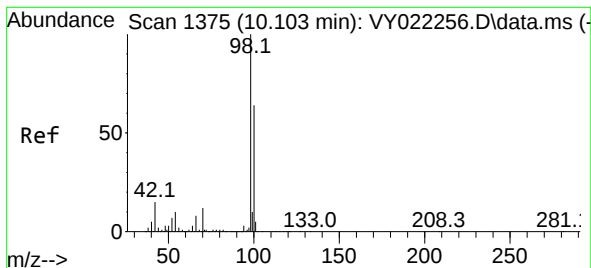
Ion Ratio Lower Upper

117 100

119 4.9 75.3 112.9#

121 0.0 24.7 37.1#

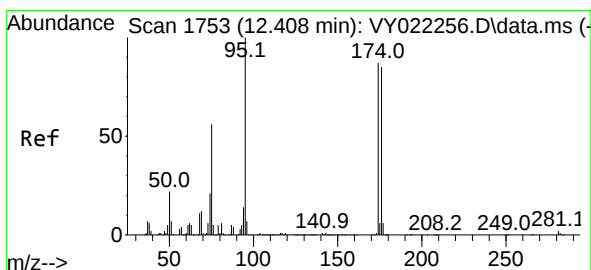
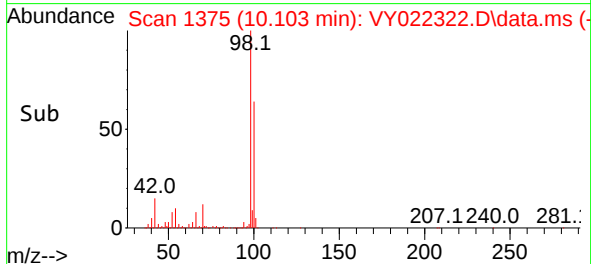
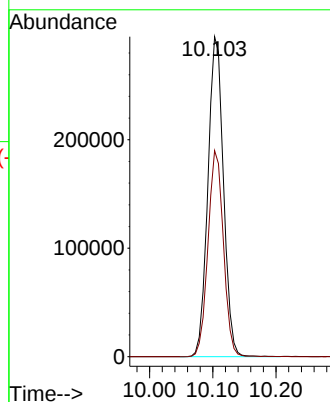
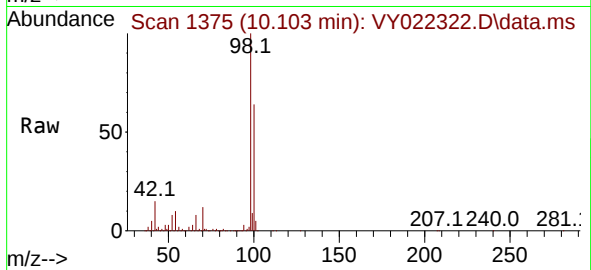




#50
Toluene-d8
Concen: 48.983 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022322.D
Acq: 19 May 2025 16:33

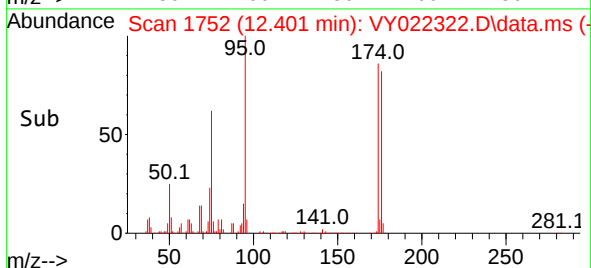
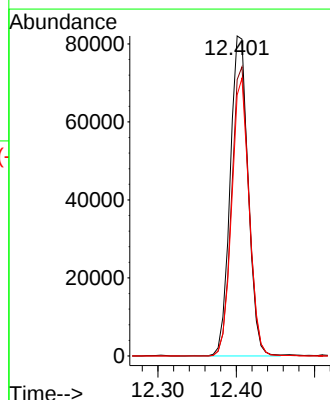
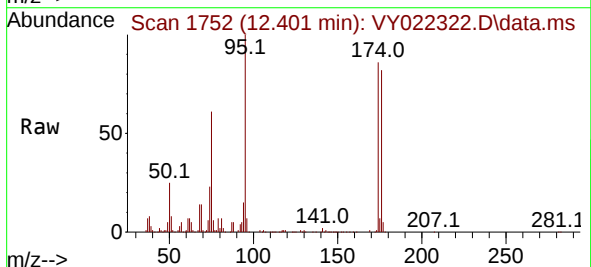
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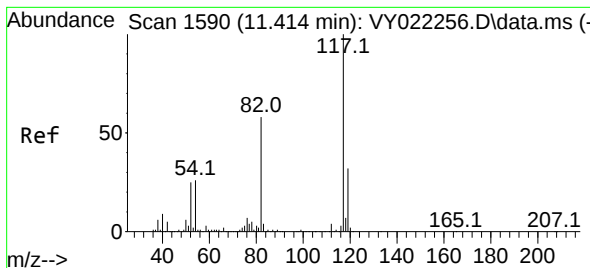
Tgt Ion: 98 Resp: 504433
Ion Ratio Lower Upper
98 100
100 63.9 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 40.044 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022322.D
Acq: 19 May 2025 16:33

Tgt Ion: 95 Resp: 130710
Ion Ratio Lower Upper
95 100
174 87.7 0.0 166.8
176 84.0 0.0 160.8

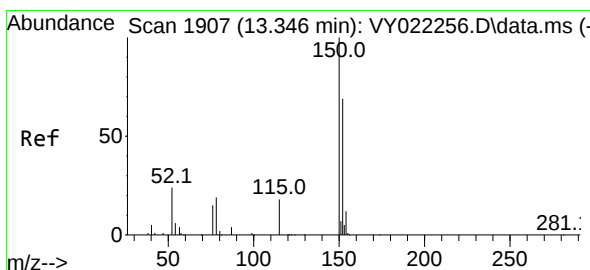
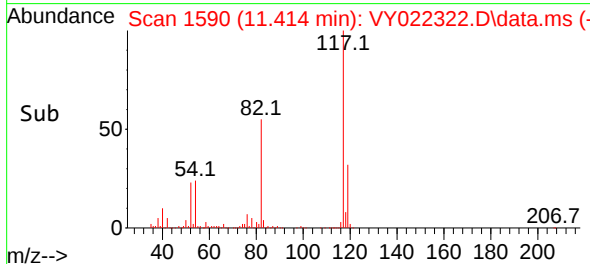
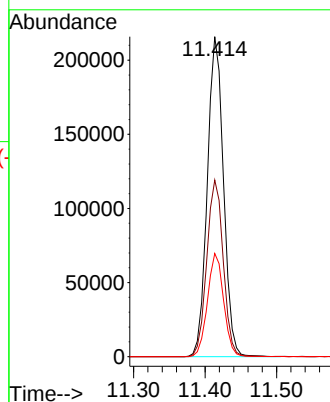
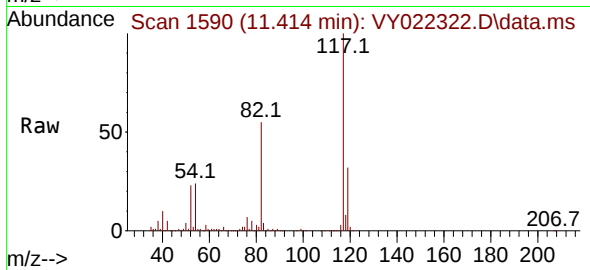




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022322.D
Acq: 19 May 2025 16:33

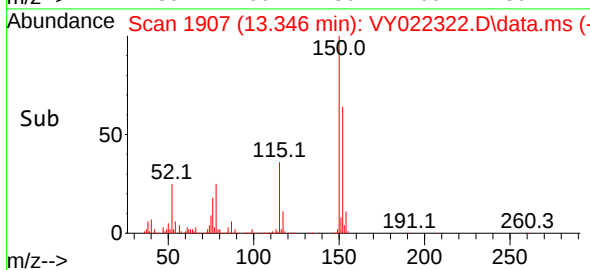
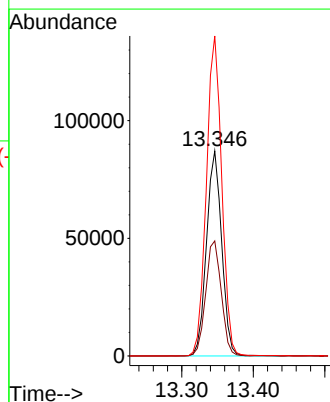
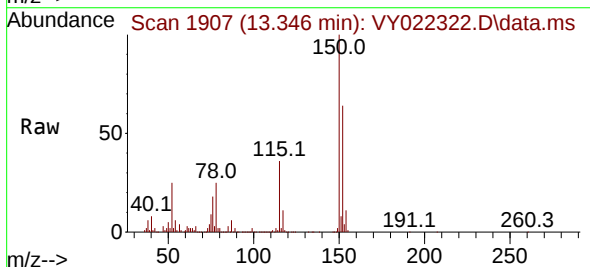
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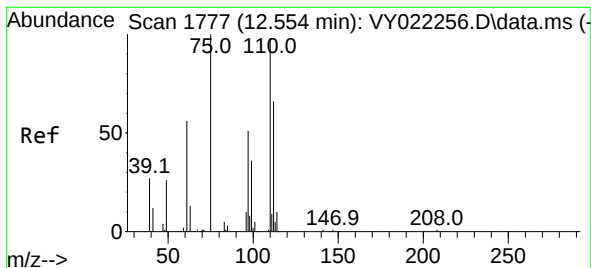
Tgt Ion:117 Resp: 339696
Ion Ratio Lower Upper
117 100
82 55.2 46.6 70.0
119 32.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022322.D
Acq: 19 May 2025 16:33

Tgt Ion:152 Resp: 128687
Ion Ratio Lower Upper
152 100
115 57.6 29.4 88.2
150 157.8 0.0 353.8





#76

1,2,3-Trichloropropane

Concen: 58.870 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.153 min

Lab File: VY022322.D

Acq: 19 May 2025 16:33

Instrument :

MSVOA_Y

ClientSampleId :

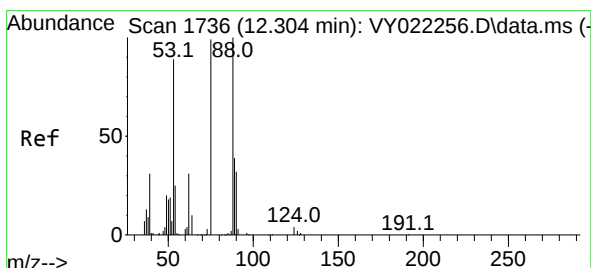
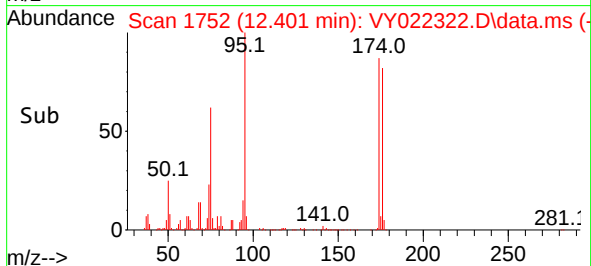
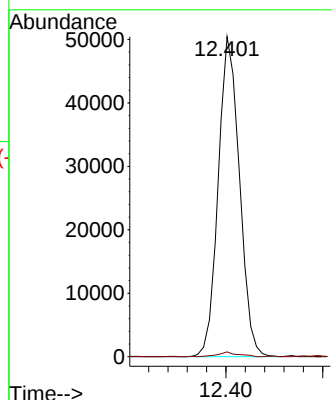
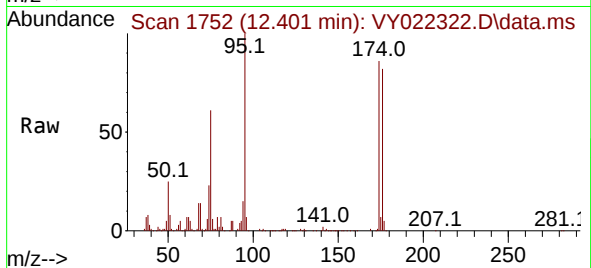
L1-WC-8-VOC

Tgt Ion: 75 Resp: 76751

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 119.256 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.097 min

Lab File: VY022322.D

Acq: 19 May 2025 16:33

Tgt Ion: 75 Resp: 76751

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.8#

89 0.1 36.2 54.2#

