

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022308.D
 Acq On : 19 May 2025 11:04
 Operator : SY/MD
 Sample : Q2052-03
 Misc : 6.38g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-B-VOC

Quant Time: May 20 01:11:04 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

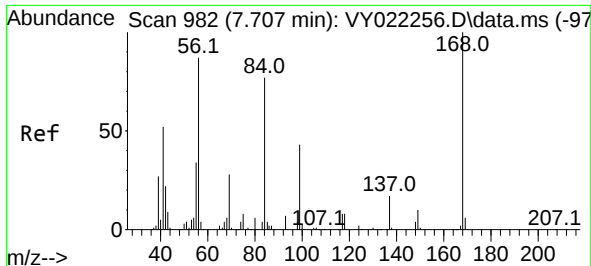
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	301749	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	529204	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	415581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	149542	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151331	45.888	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.780%
35) Dibromofluoromethane	7.634	113	155126	49.112	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.220%
50) Toluene-d8	10.103	98	630070	48.706	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.420%
62) 4-Bromofluorobenzene	12.408	95	159331	38.858	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.720%
Target Compounds						
					Qvalue	
31) Cyclohexane	7.707	56	8425	1.263	ug/l #	16
36) 1,1-Dichloropropene	7.707	75	26089	5.015	ug/l #	51
38) Carbon Tetrachloride	7.707	117	31567	5.862	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	93149	61.484	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	93149	124.551	ug/l #	12

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

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Response via : Initial Calibration

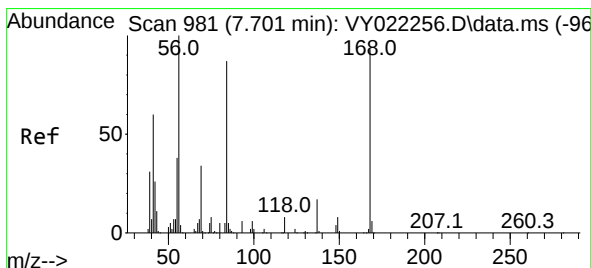
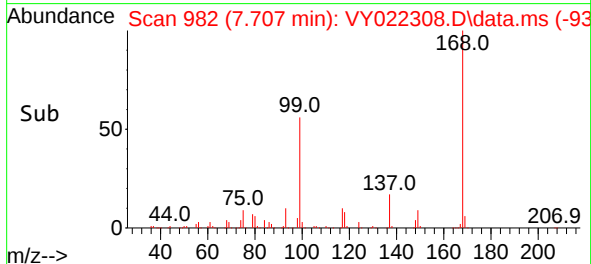
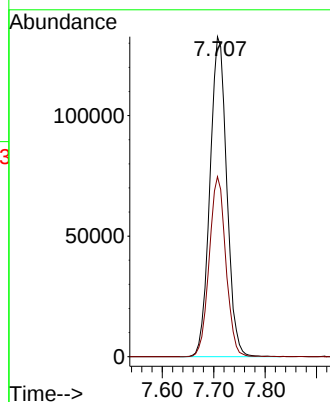
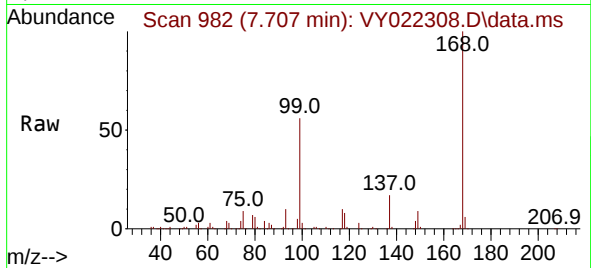




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022308.D
Acq: 19 May 2025 11:04

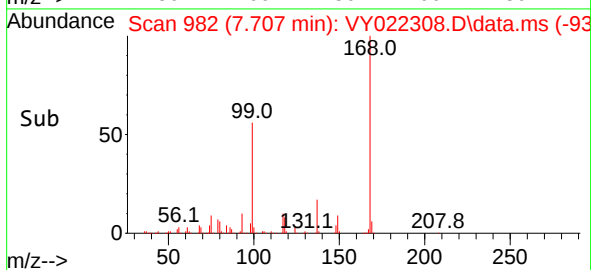
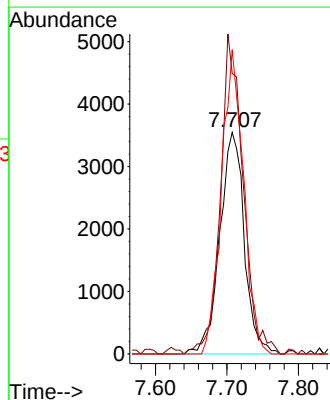
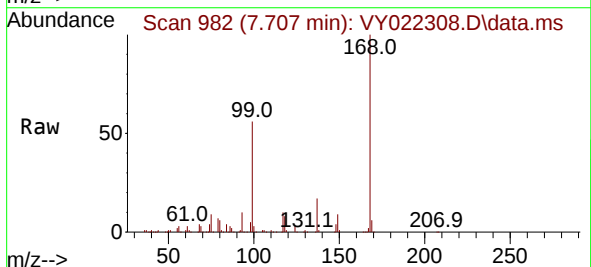
Instrument :
MSVOA_Y
ClientSampleId :
TP-B-VOC

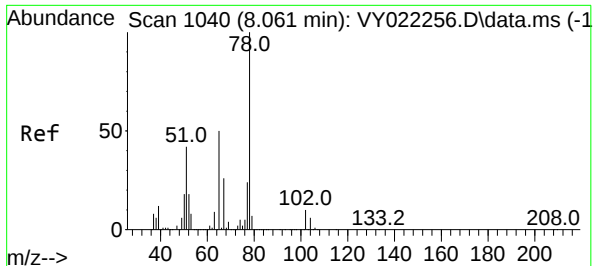
Tgt Ion:168 Resp: 301749
Ion Ratio Lower Upper
168 100
99 56.3 44.2 66.4



#31
Cyclohexane
Concen: 1.263 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022308.D
Acq: 19 May 2025 11:04

Tgt Ion: 56 Resp: 8425
Ion Ratio Lower Upper
56 100
69 126.6 27.4 41.2#
84 137.3 70.0 105.0#

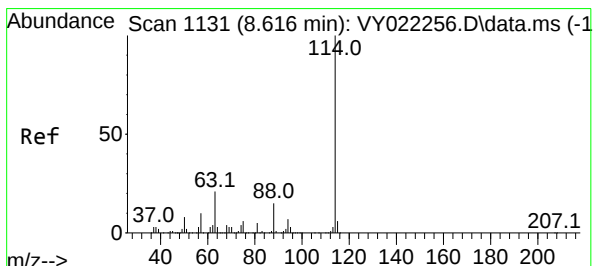
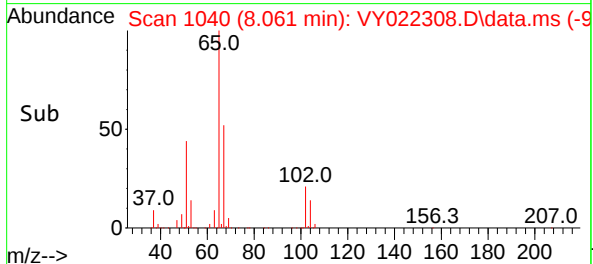
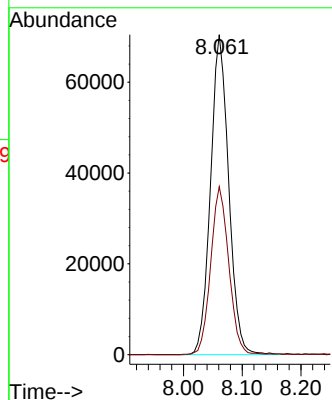
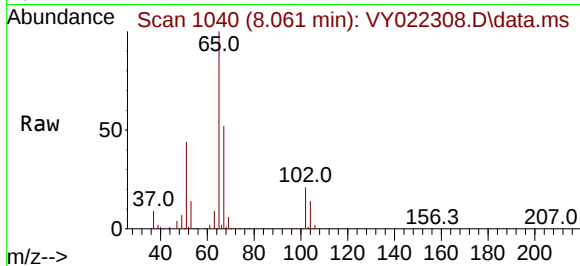




#33
 1,2-Dichloroethane-d4
 Concen: 45.888 ug/l
 RT: 8.061 min Scan# 1040
 Delta R.T. 0.000 min
 Lab File: VY022308.D
 Acq: 19 May 2025 11:04

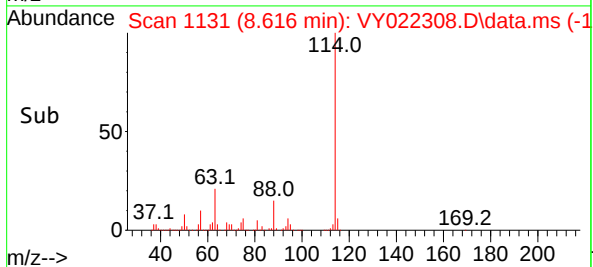
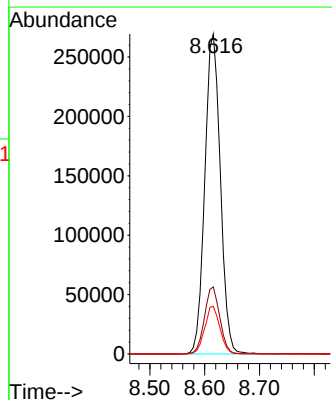
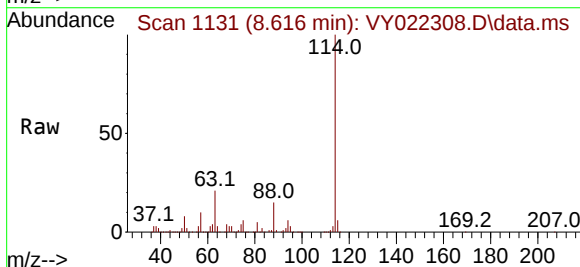
Instrument :
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 ClientSampleId :
 TP-B-VOC

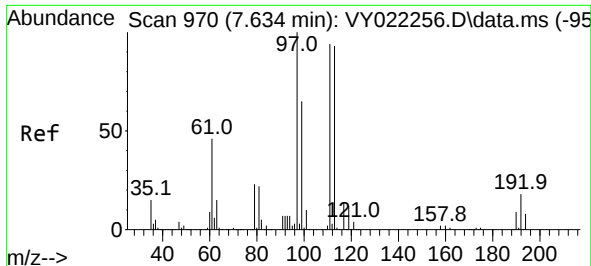
Tgt Ion: 65 Resp: 151331
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY022308.D
 Acq: 19 May 2025 11:04

Tgt Ion: 114 Resp: 529204
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.0
 88 14.9 0.0 29.4

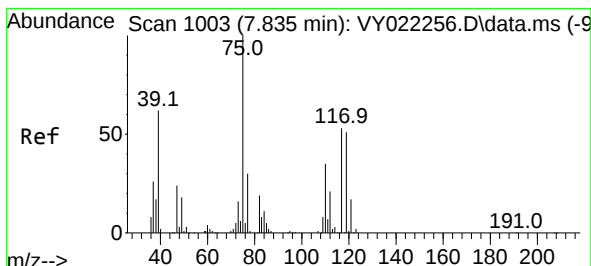
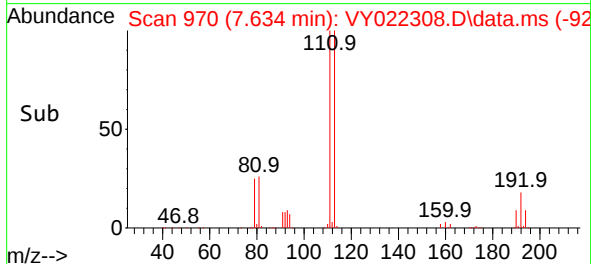
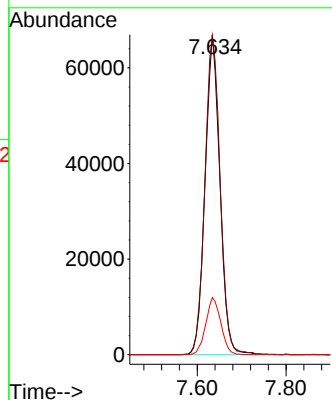
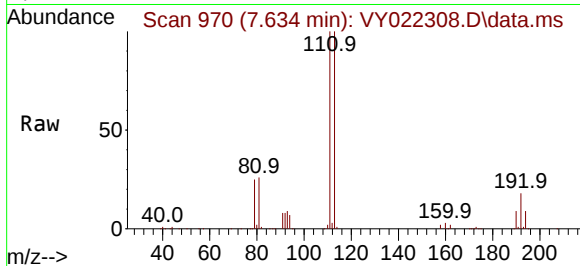




#35
Dibromofluoromethane
Concen: 49.112 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022308.D
Acq: 19 May 2025 11:04

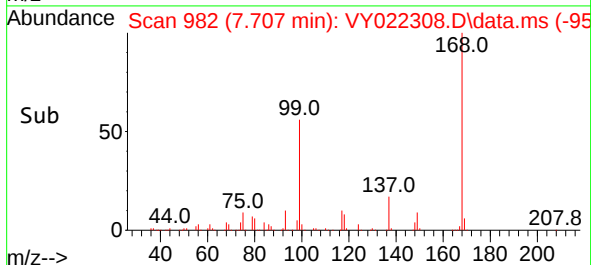
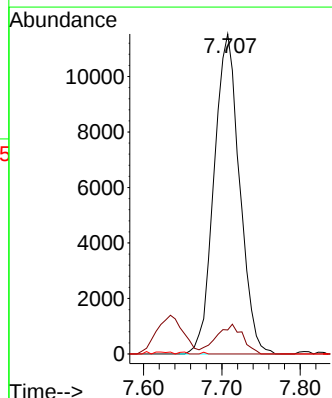
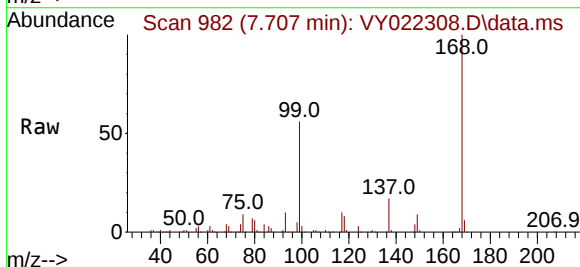
Instrument :
MSVOA_Y
ClientSampleId :
TP-B-VOC

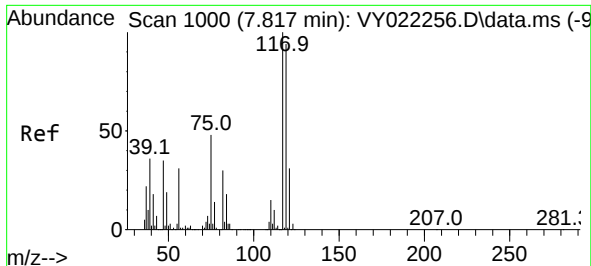
Tgt Ion:113 Resp: 155126
Ion Ratio Lower Upper
113 100
111 103.4 82.6 123.8
192 18.2 15.2 22.8



#36
1,1-Dichloropropene
Concen: 5.015 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022308.D
Acq: 19 May 2025 11:04

Tgt Ion: 75 Resp: 26089
Ion Ratio Lower Upper
75 100
110 9.6 16.6 49.8#
77 0.0 24.6 37.0#

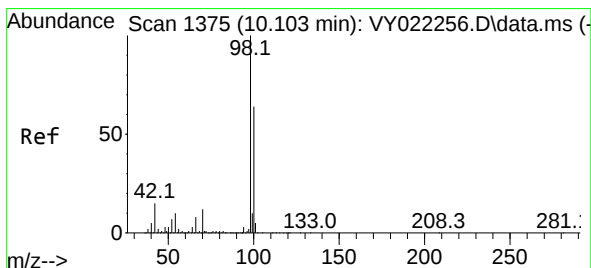
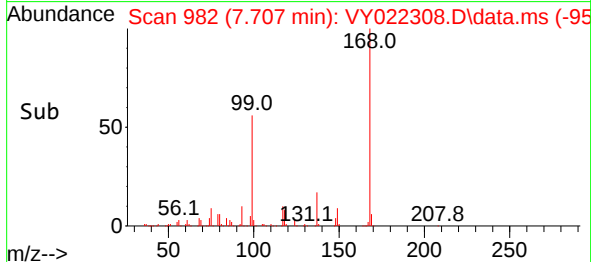
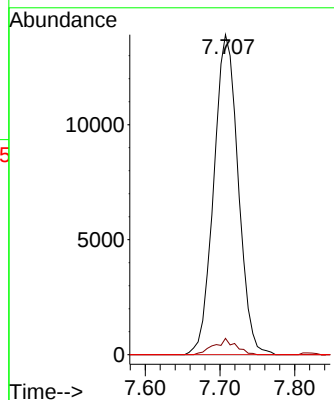
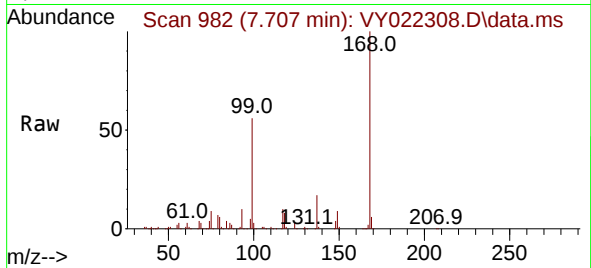




#38
Carbon Tetrachloride
Concen: 5.862 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022308.D
Acq: 19 May 2025 11:04

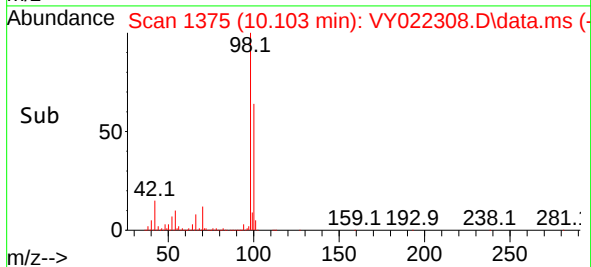
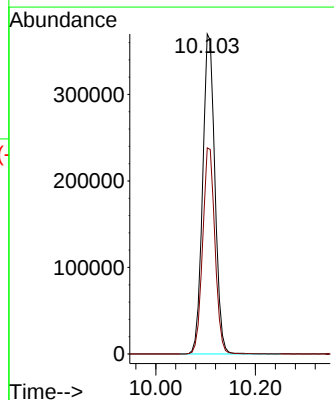
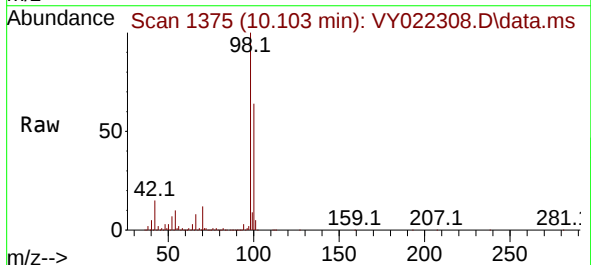
Instrument :
MSVOA_Y
ClientSampleId :
TP-B-VOC

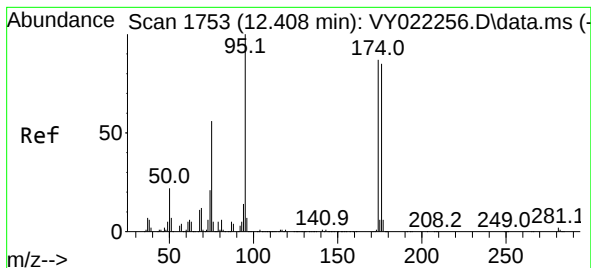
Tgt Ion:117 Resp: 31567
Ion Ratio Lower Upper
117 100
119 5.1 75.3 112.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.706 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022308.D
Acq: 19 May 2025 11:04

Tgt Ion: 98 Resp: 630070
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.8





#62

4-Bromofluorobenzene

Concen: 38.858 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022308.D

Acq: 19 May 2025 11:04

Instrument :

MSVOA_Y

ClientSampleId :

TP-B-VOC

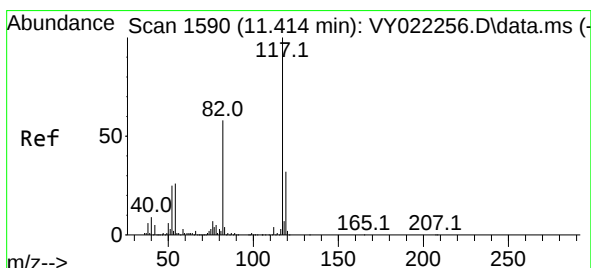
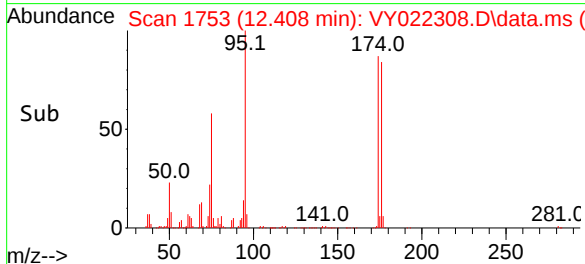
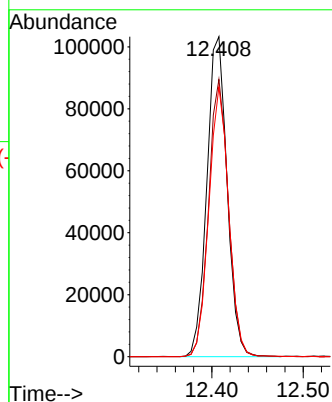
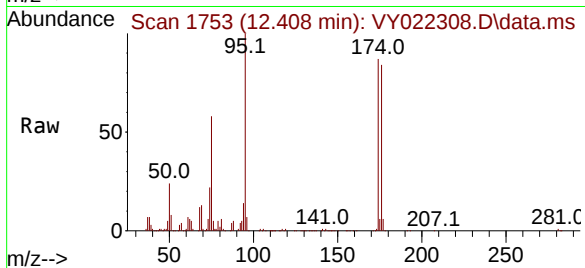
Tgt Ion: 95 Resp: 159331

Ion Ratio Lower Upper

95 100

174 85.3 0.0 166.8

176 82.8 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: VY022308.D

Acq: 19 May 2025 11:04

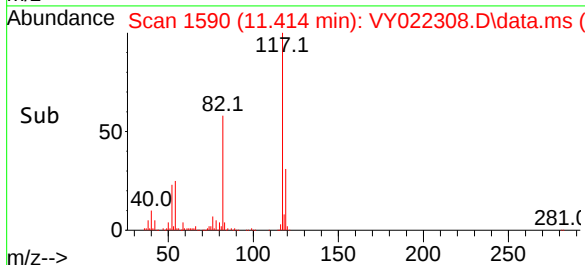
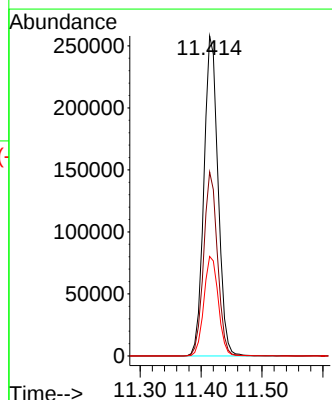
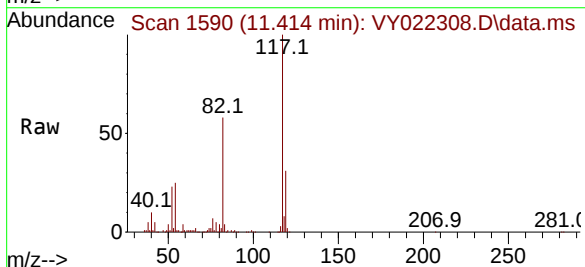
Tgt Ion: 117 Resp: 415581

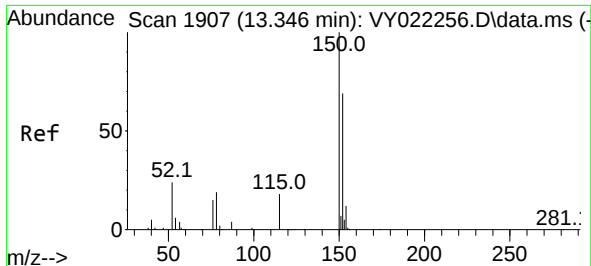
Ion Ratio Lower Upper

117 100

82 57.5 46.6 70.0

119 31.1 25.8 38.6

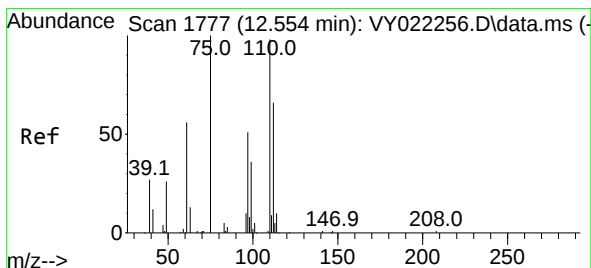
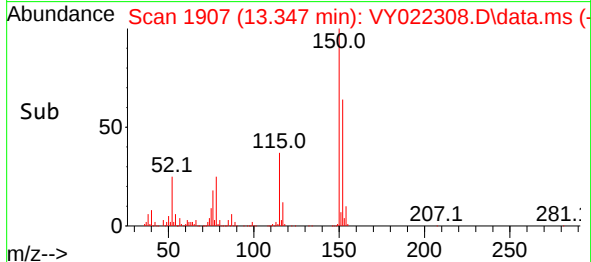
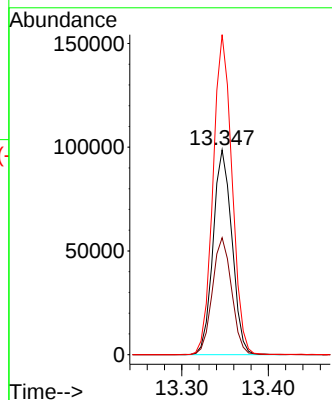
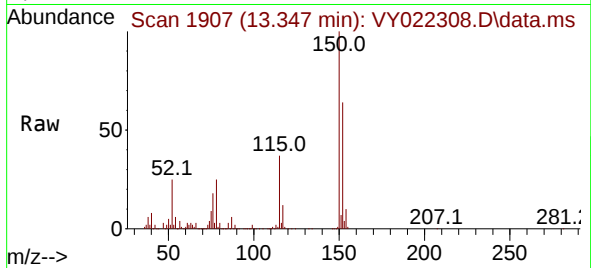




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY022308.D
 Acq: 19 May 2025 11:04

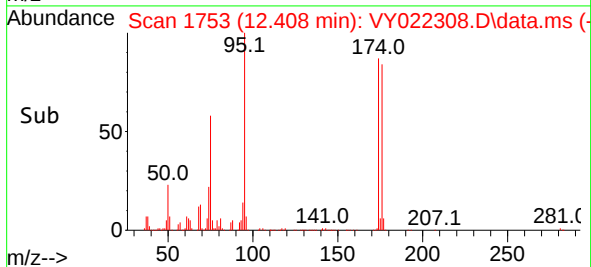
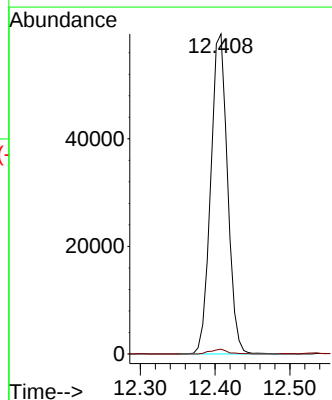
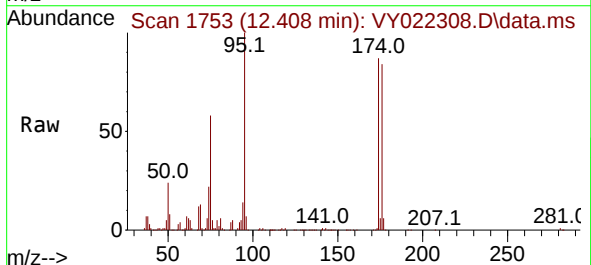
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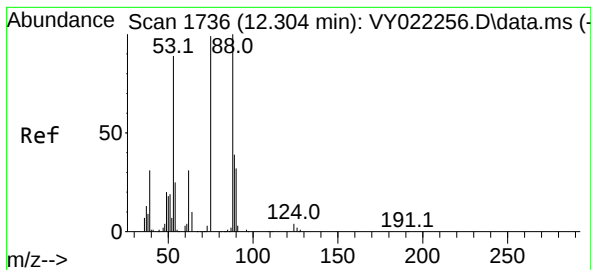
Tgt Ion:152 Resp: 149542
 Ion Ratio Lower Upper
 152 100
 115 58.2 29.4 88.2
 150 157.1 0.0 353.8



#76
 1,2,3-Trichloropropane
 Concen: 61.484 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY022308.D
 Acq: 19 May 2025 11:04

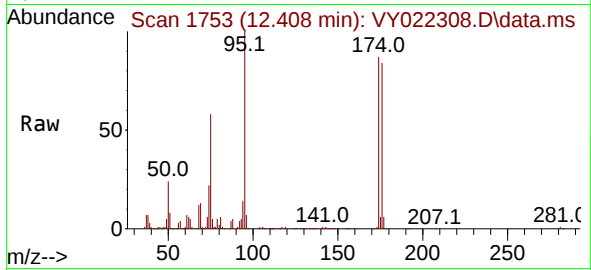
Tgt Ion: 75 Resp: 93149
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.551 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY022308.D
 Acq: 19 May 2025 11:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-B-VOC



Tgt Ion: 75 Resp: 93149
 Ion Ratio Lower Upper
 75 100
 53 0.1 75.8 113.8#
 89 0.0 36.2 54.2#

