

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
 Data File : VY022359.D
 Acq On : 21 May 2025 12:00
 Operator : SY/MD
 Sample : Q2071-11
 Misc : 2.83g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 L1-WC-9-VOC

Quant Time: May 22 00:07:57 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)

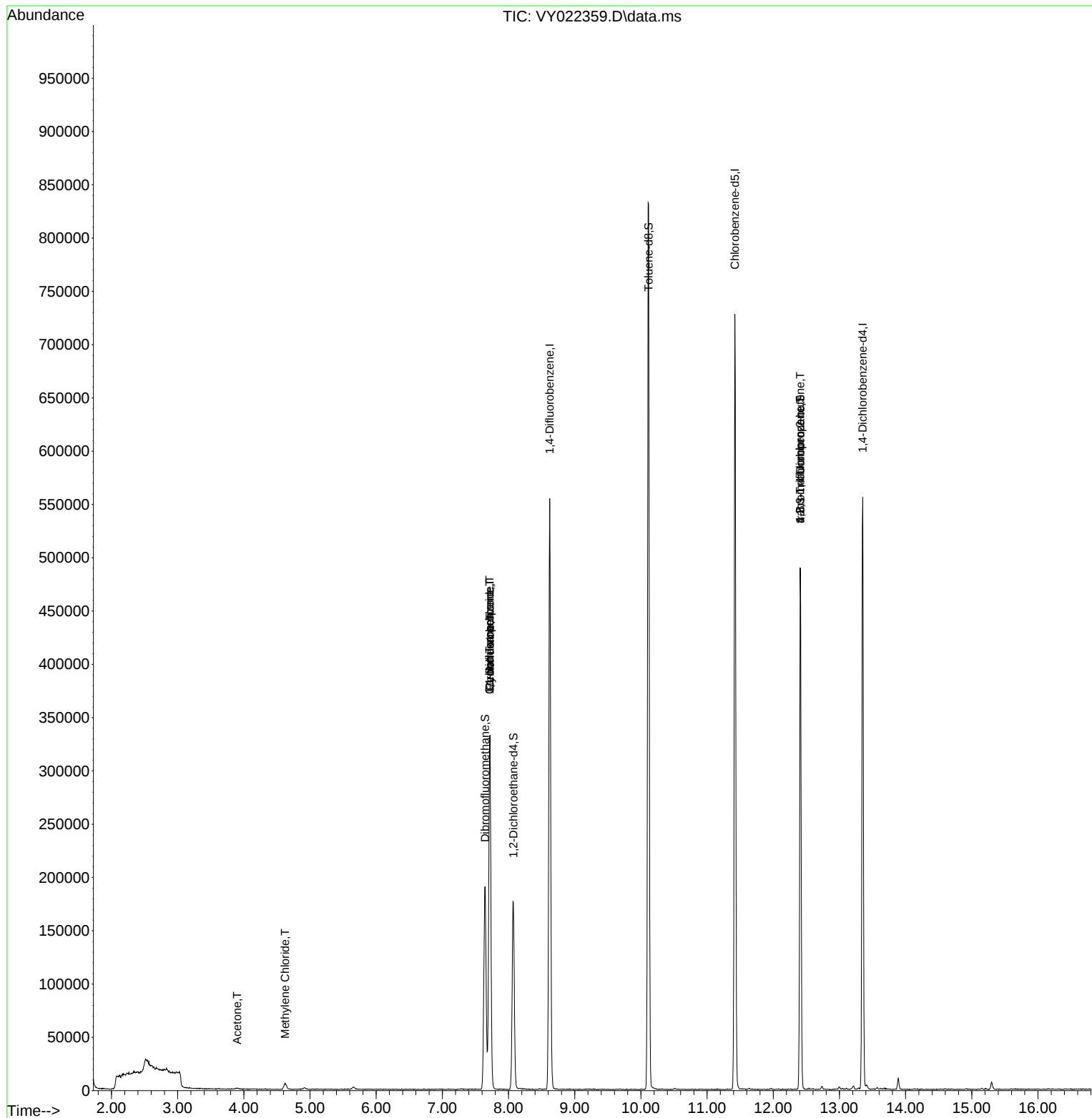
Internal Standards						
1) Pentafluorobenzene	7.719	168	252049	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	448816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	355456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	128660	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	133230	48.365	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.740%
35) Dibromofluoromethane	7.646	113	132680	49.530	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.060%
50) Toluene-d8	10.115	98	534912	48.756	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.520%
62) 4-Bromofluorobenzene	12.408	95	132745	38.173	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.340%
Target Compounds						
					Qvalue	
16) Acetone	3.897	43	1622	3.140	ug/l	90
20) Methylene Chloride	4.622	84	3532	1.058	ug/l	84
31) Cyclohexane	7.719	56	6743	1.210	ug/l #	26
36) 1,1-Dichloropropene	7.713	75	21864	4.955	ug/l #	51
38) Carbon Tetrachloride	7.713	117	25501	5.583	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	79050	60.646	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	79050	122.854	ug/l #	12

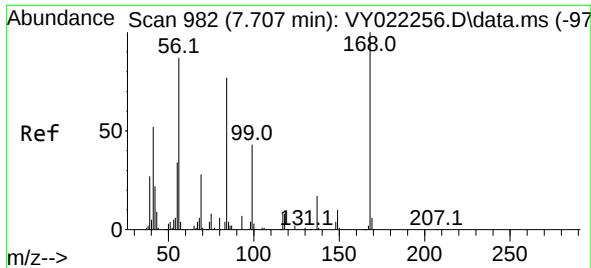
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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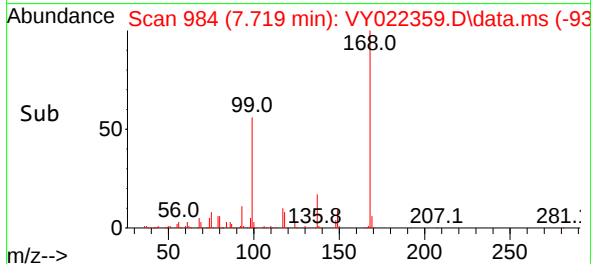
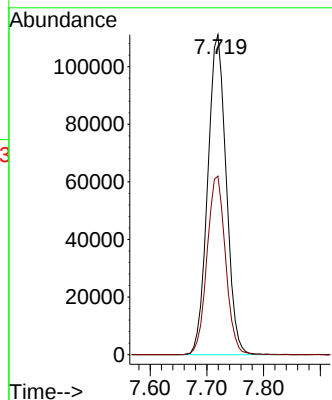
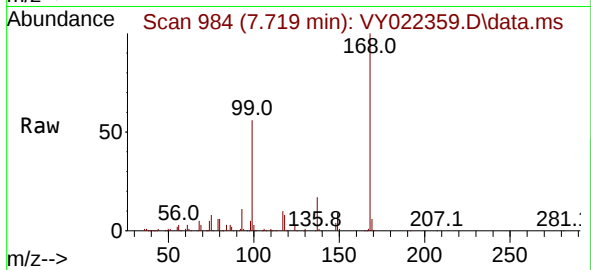




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022359.D
Acq: 21 May 2025 12:00

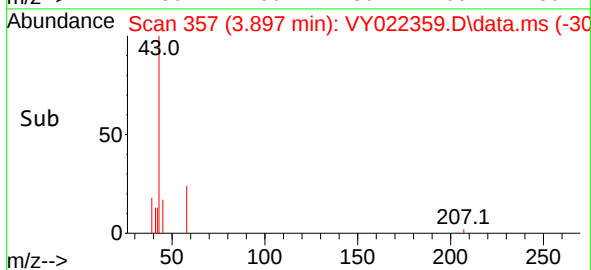
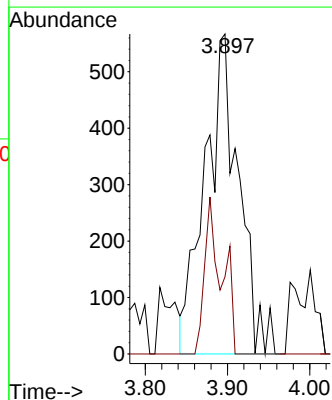
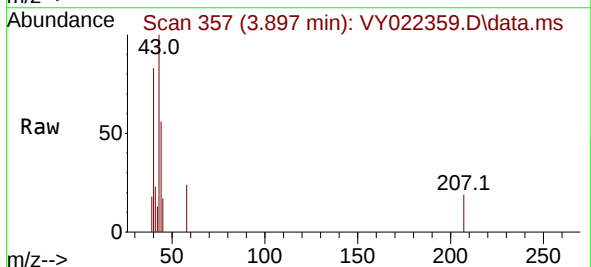
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-9-VOC

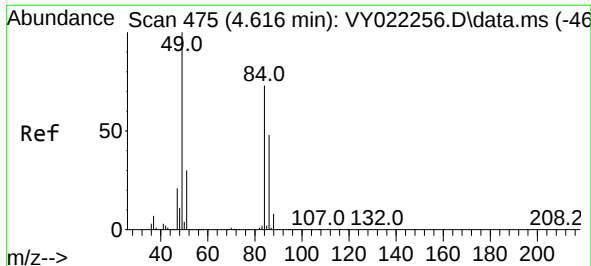
Tgt Ion:168 Resp: 252049
Ion Ratio Lower Upper
168 100
99 55.8 44.2 66.4



#16
Acetone
Concen: 3.140 ug/l
RT: 3.897 min Scan# 357
Delta R.T. 0.024 min
Lab File: VY022359.D
Acq: 21 May 2025 12:00

Tgt Ion: 43 Resp: 1622
Ion Ratio Lower Upper
43 100
58 24.2 23.6 35.4

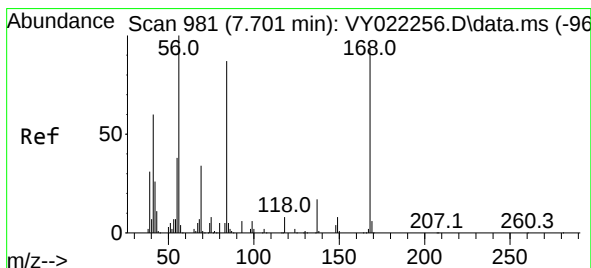
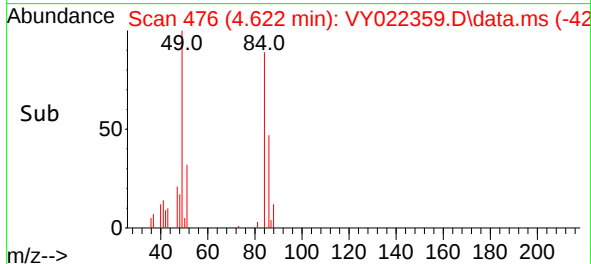
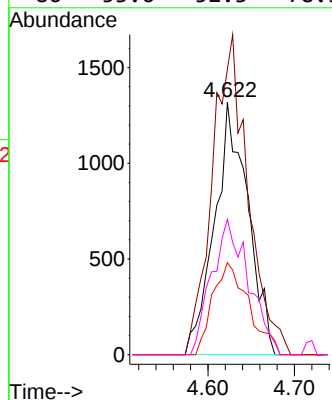
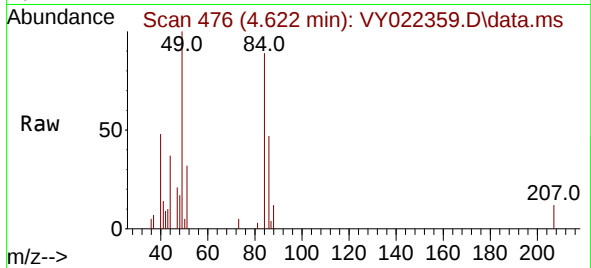




#20
Methylene Chloride
Concen: 1.058 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY022359.D
Acq: 21 May 2025 12:00

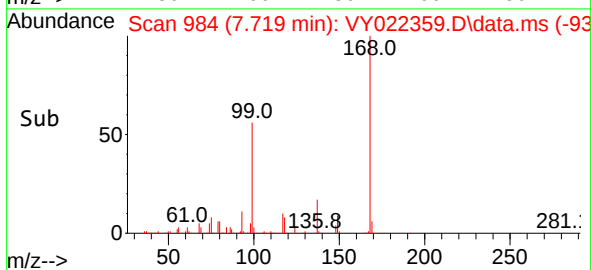
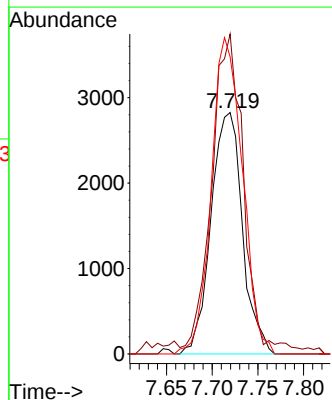
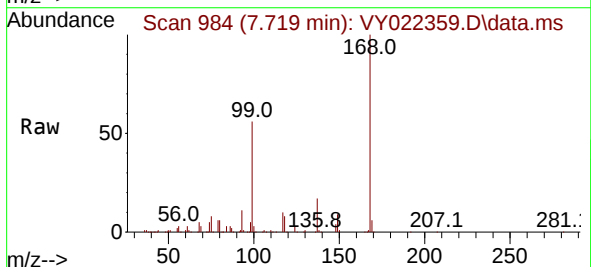
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-9-VOC

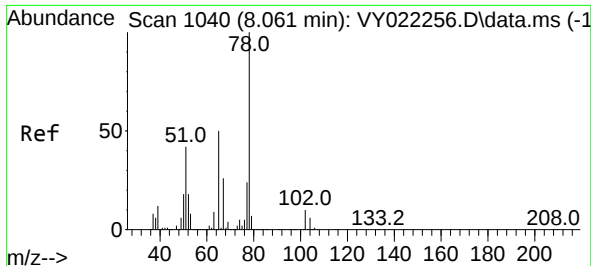
Tgt Ion:	84	Resp:	3532
Ion	Ratio	Lower	Upper
84	100		
49	113.0	109.6	164.4
51	36.4	32.4	48.6
86	53.6	52.3	78.5



#31
Cyclohexane
Concen: 1.210 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.018 min
Lab File: VY022359.D
Acq: 21 May 2025 12:00

Tgt Ion:	56	Resp:	6743
Ion	Ratio	Lower	Upper
56	100		
69	129.8	27.4	41.2#
84	123.0	70.0	105.0#





#33

1,2-Dichloroethane-d4

Concen: 48.365 ug/l

RT: 8.073 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY022359.D

Acq: 21 May 2025 12:00

Instrument :

MSVOA_Y

ClientSampleId :

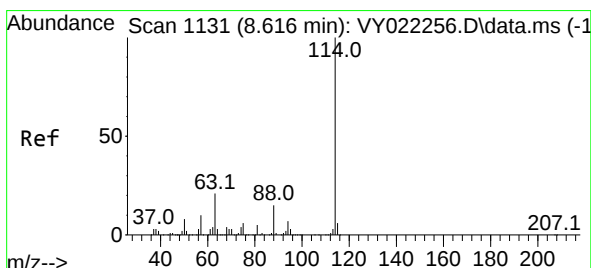
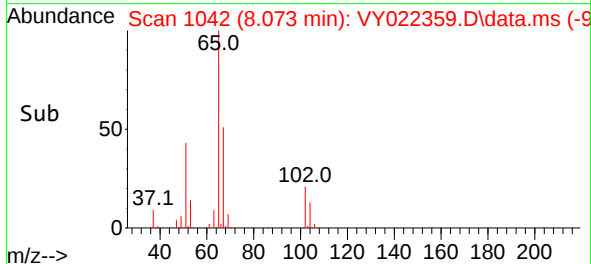
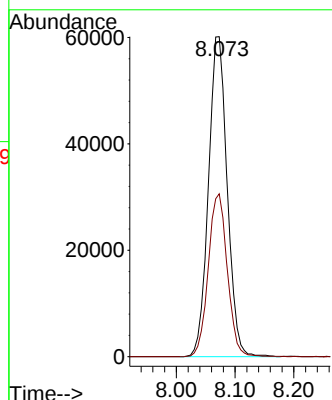
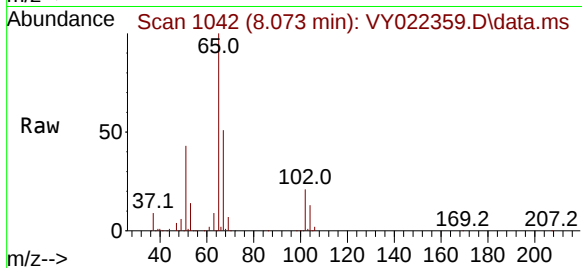
L1-WC-9-VOC

Tgt Ion: 65 Resp: 133230

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022359.D

Acq: 21 May 2025 12:00

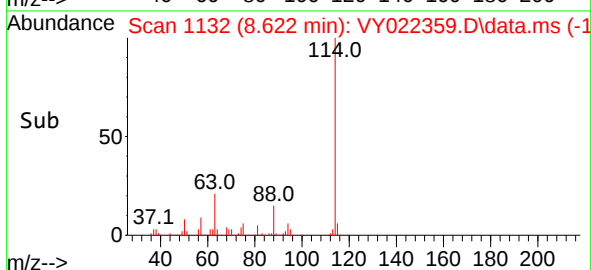
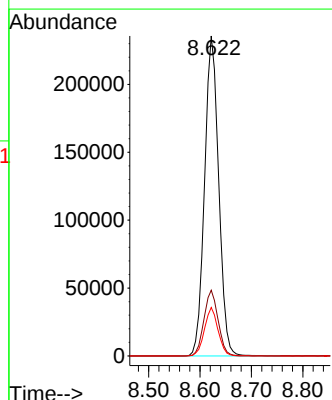
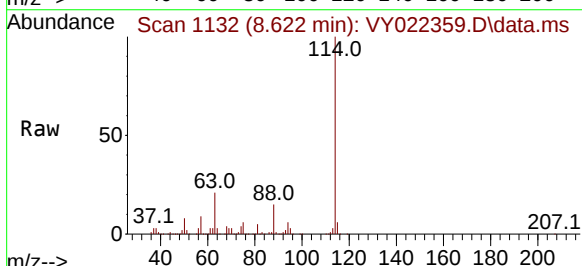
Tgt Ion: 114 Resp: 448816

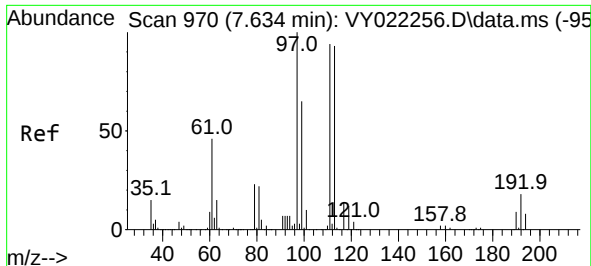
Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.0

88 15.2 0.0 29.4

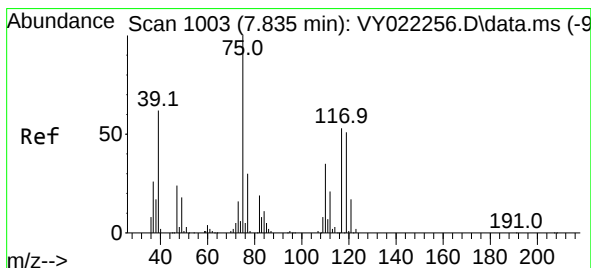
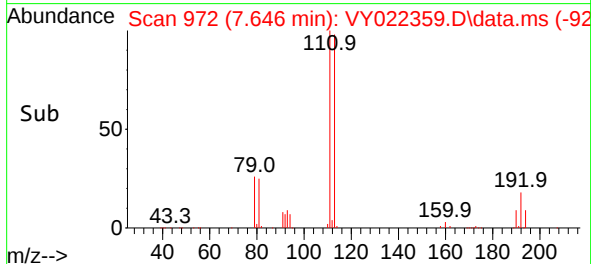
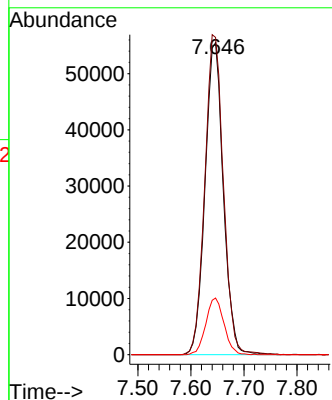
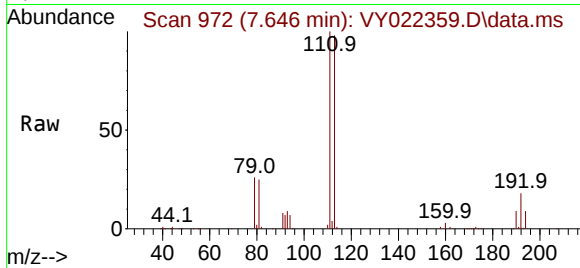




#35
Dibromofluoromethane
Concen: 49.530 ug/l
RT: 7.646 min Scan# 911
Delta R.T. 0.012 min
Lab File: VY022359.D
Acq: 21 May 2025 12:00

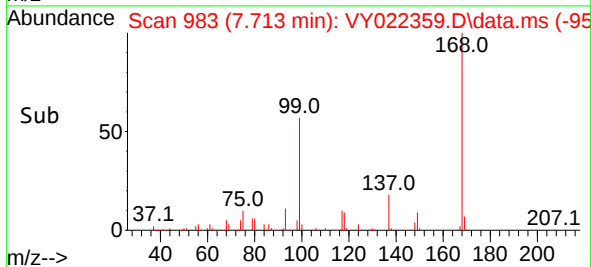
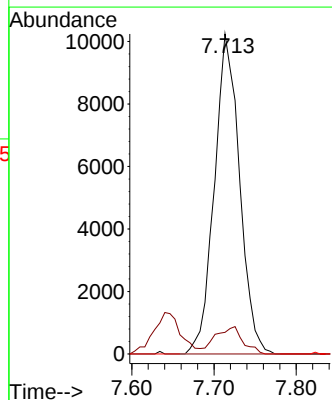
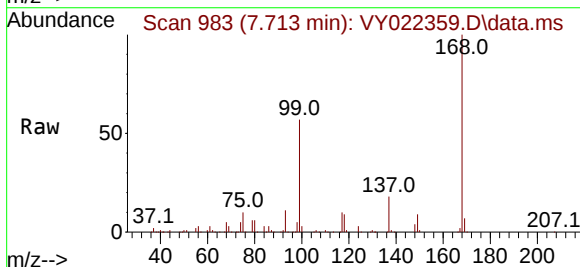
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ClientSampleId :
L1-WC-9-VOC

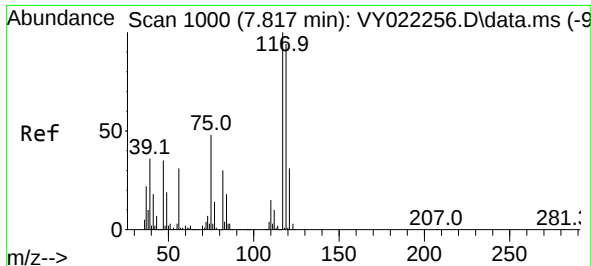
Tgt Ion:113 Resp: 132680
Ion Ratio Lower Upper
113 100
111 104.4 82.6 123.8
192 18.0 15.2 22.8



#36
1,1-Dichloropropene
Concen: 4.955 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY022359.D
Acq: 21 May 2025 12:00

Tgt Ion: 75 Resp: 21864
Ion Ratio Lower Upper
75 100
110 9.3 16.6 49.8#
77 0.0 24.6 37.0#

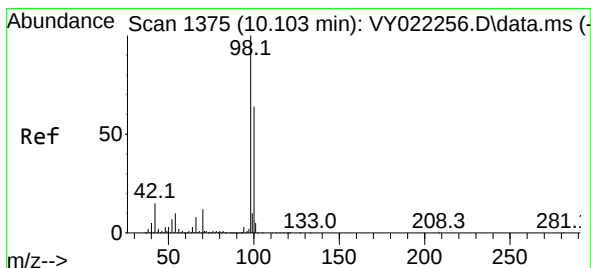
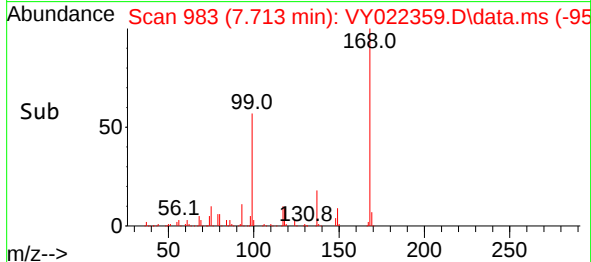
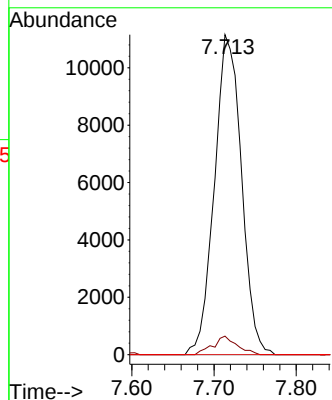
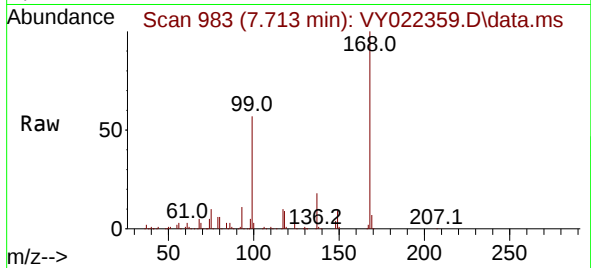




#38
Carbon Tetrachloride
Concen: 5.583 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY022359.D
Acq: 21 May 2025 12:00

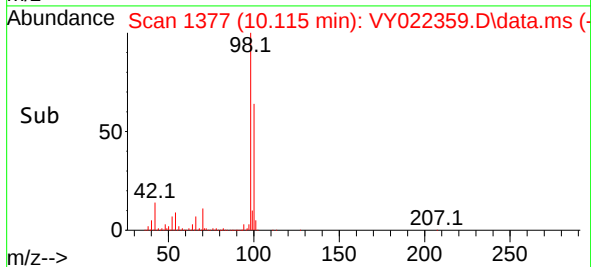
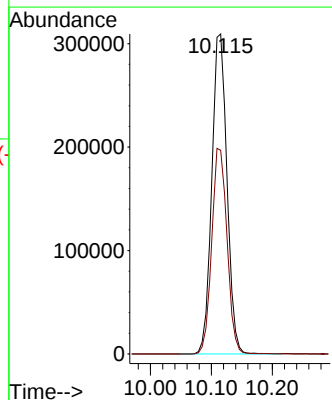
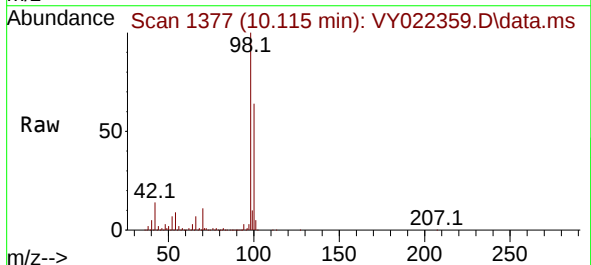
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ClientSampleId :
L1-WC-9-VOC

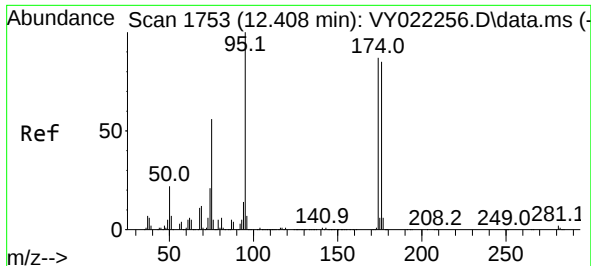
Tgt Ion:117 Resp: 25501
Ion Ratio Lower Upper
117 100
119 5.8 75.3 112.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.756 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.012 min
Lab File: VY022359.D
Acq: 21 May 2025 12:00

Tgt Ion: 98 Resp: 534912
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.8

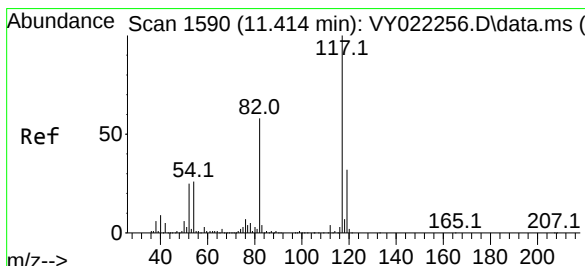
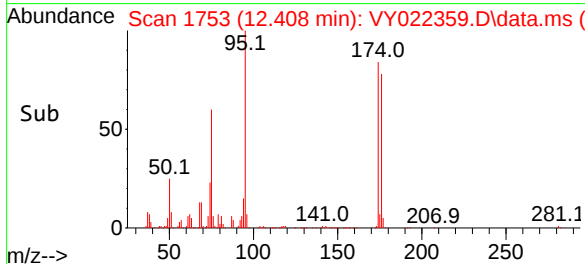
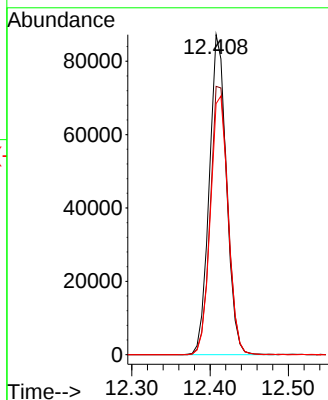
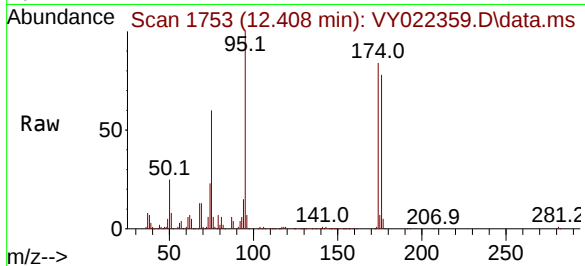




#62
4-Bromofluorobenzene
Concen: 38.173 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022359.D
Acq: 21 May 2025 12:00

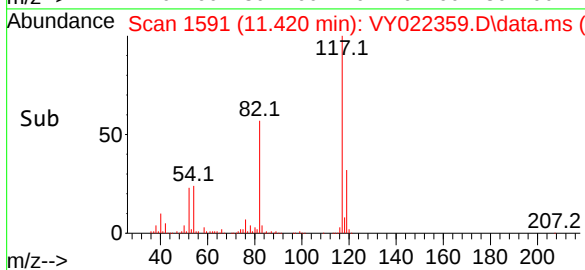
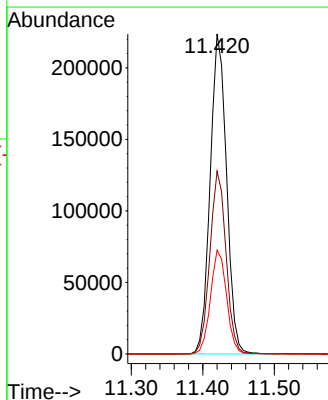
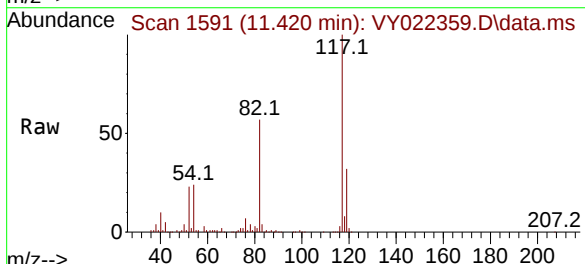
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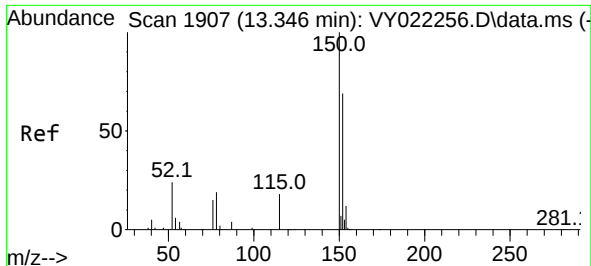
Tgt Ion: 95 Resp: 132745
Ion Ratio Lower Upper
95 100
174 87.1 0.0 166.8
176 83.6 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022359.D
Acq: 21 May 2025 12:00

Tgt Ion: 117 Resp: 355456
Ion Ratio Lower Upper
117 100
82 57.1 46.6 70.0
119 32.4 25.8 38.6

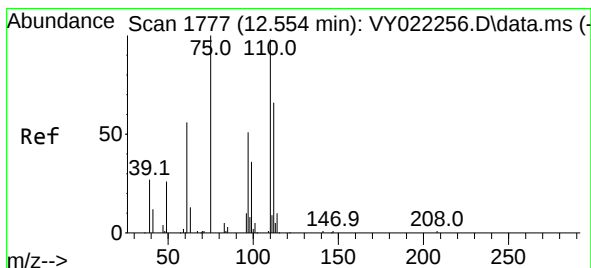
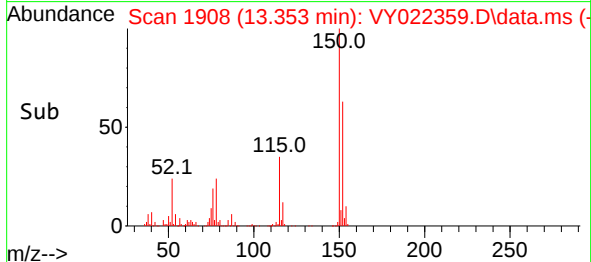
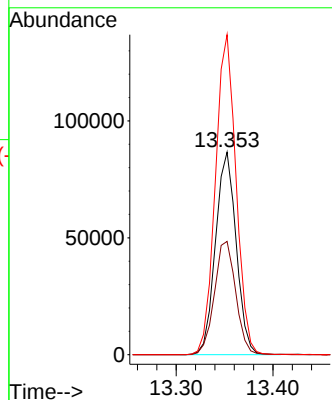
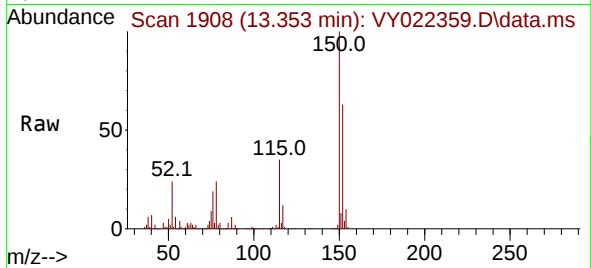




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.353 min Scan# 1907
 Delta R.T. 0.006 min
 Lab File: VY022359.D
 Acq: 21 May 2025 12:00

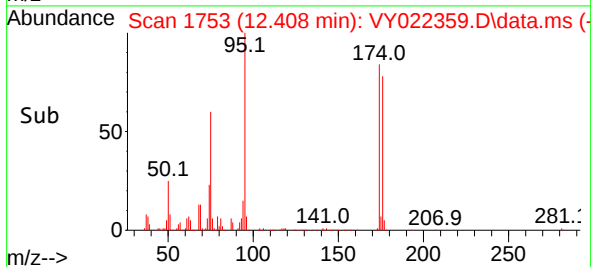
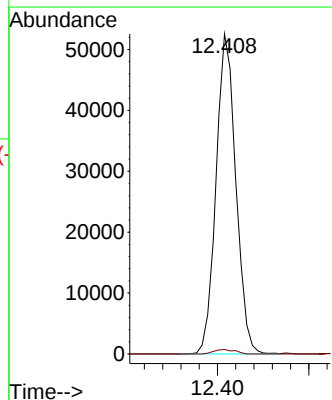
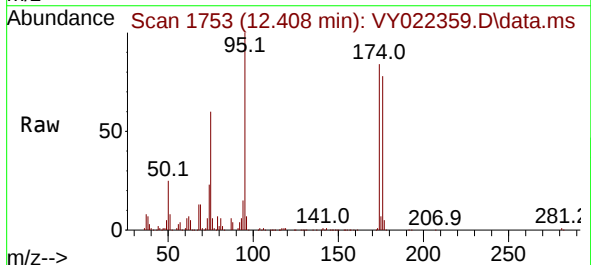
Instrument :
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 L1-WC-9-VOC

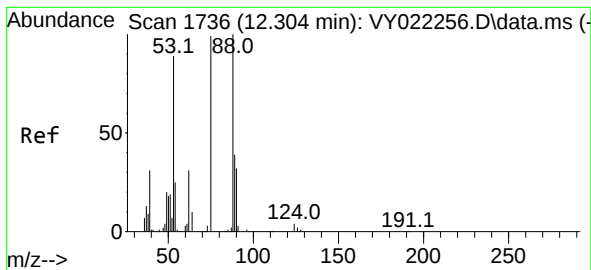
Tgt Ion:152 Resp: 128660
 Ion Ratio Lower Upper
 152 100
 115 57.8 29.4 88.2
 150 157.6 0.0 353.8



#76
 1,2,3-Trichloropropane
 Concen: 60.646 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY022359.D
 Acq: 21 May 2025 12:00

Tgt Ion: 75 Resp: 79050
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.854 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY022359.D
 Acq: 21 May 2025 12:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 L1-WC-9-VOC

Tgt Ion: 75 Resp: 79050
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.8 113.8#
 89 0.0 36.2 54.2#

