

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022317.D
 Acq On : 19 May 2025 14:35
 Operator : SY/MD
 Sample : Q2062-11
 Misc : 5.79g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 L1-WC-3-VOC

Quant Time: May 20 01:14:24 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)

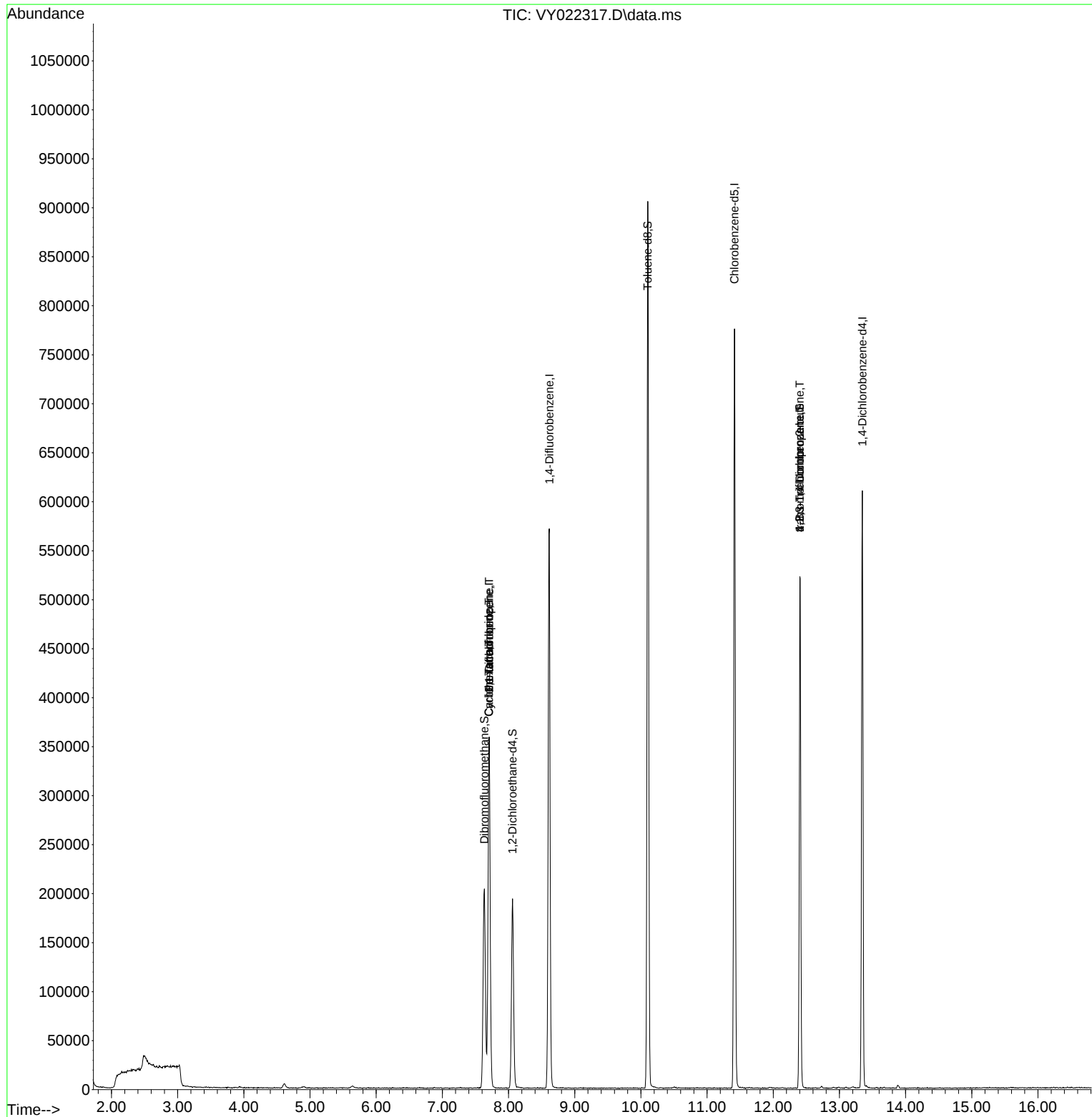
Internal Standards						
1) Pentafluorobenzene	7.707	168	263682	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	474007	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	380743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	142383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	143713	49.869	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.740%
35) Dibromofluoromethane	7.634	113	142066	50.215	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.440%
50) Toluene-d8	10.103	98	566461	48.888	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.780%
62) 4-Bromofluorobenzene	12.401	95	147541	40.173	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.340%
Target Compounds						
					Qvalue	
31) Cyclohexane	7.701	56	6881	1.180	ug/l #	16
36) 1,1-Dichloropropene	7.707	75	23184	4.975	ug/l #	51
38) Carbon Tetrachloride	7.701	117	26407	5.475	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	85722	59.426	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	85722	120.383	ug/l #	12

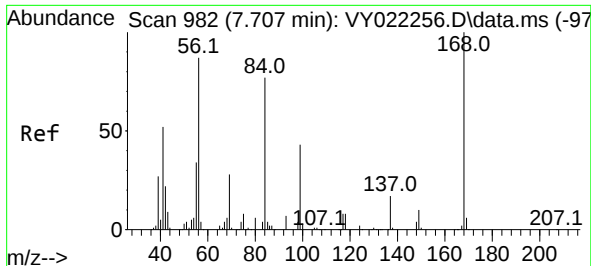
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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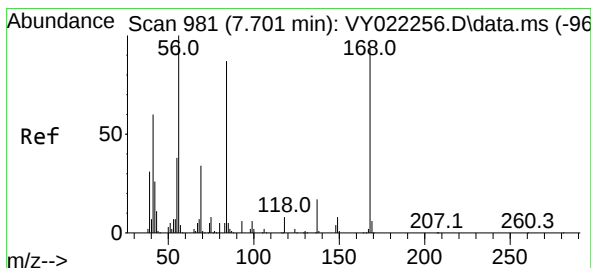
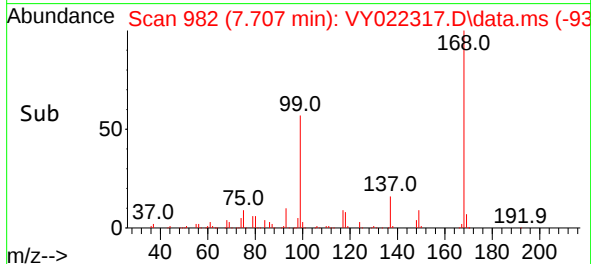
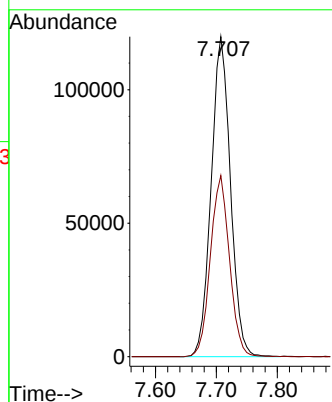
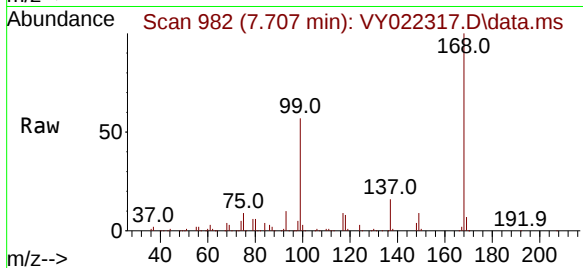




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022317.D
Acq: 19 May 2025 14:35

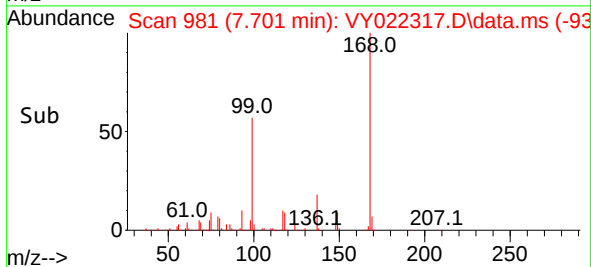
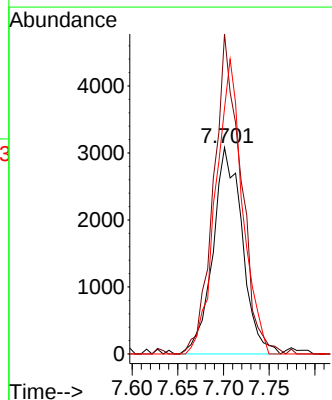
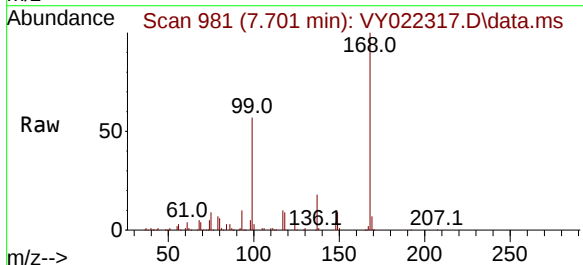
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-3-VOC

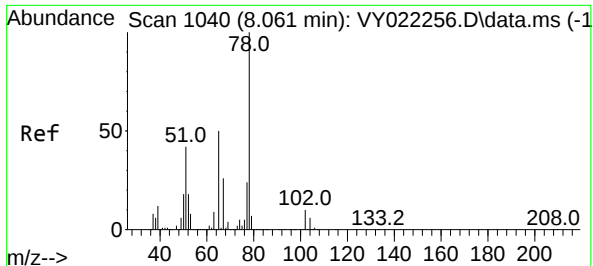
Tgt Ion:168 Resp: 263682
Ion Ratio Lower Upper
168 100
99 56.6 44.2 66.4



#31
Cyclohexane
Concen: 1.180 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY022317.D
Acq: 19 May 2025 14:35

Tgt Ion: 56 Resp: 6881
Ion Ratio Lower Upper
56 100
69 155.1 27.4 41.2#
84 119.0 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 49.869 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022317.D

Acq: 19 May 2025 14:35

Instrument :

MSVOA_Y

ClientSampleId :

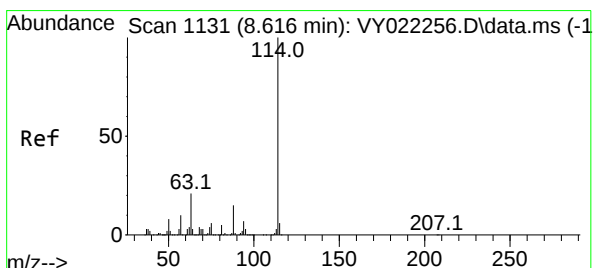
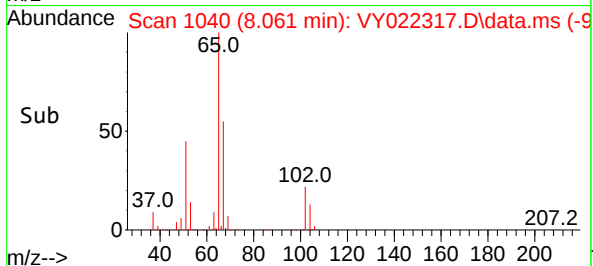
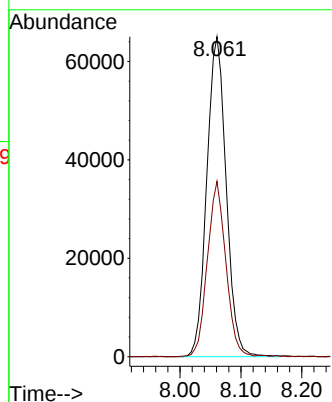
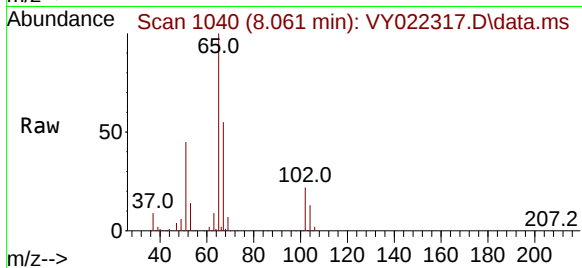
L1-WC-3-VOC

Tgt Ion: 65 Resp: 143713

Ion Ratio Lower Upper

65 100

67 52.2 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: VY022317.D

Acq: 19 May 2025 14:35

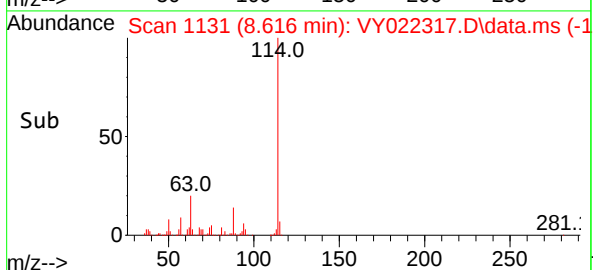
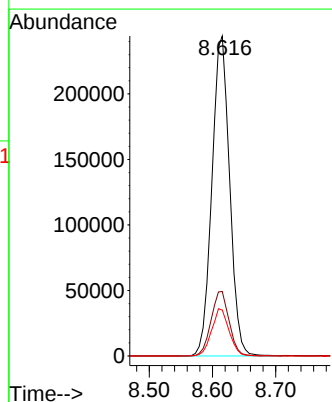
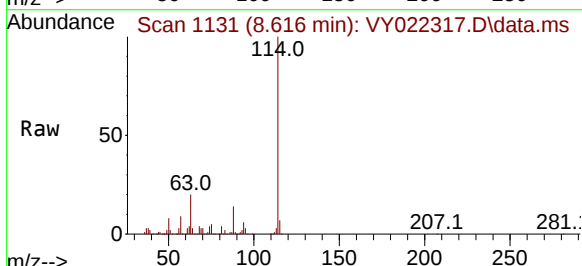
Tgt Ion: 114 Resp: 474007

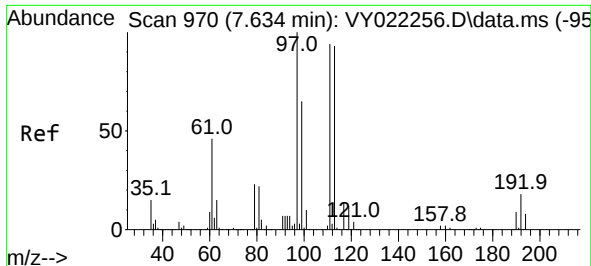
Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.0

88 14.4 0.0 29.4





#35

Dibromofluoromethane

Concen: 50.215 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022317.D

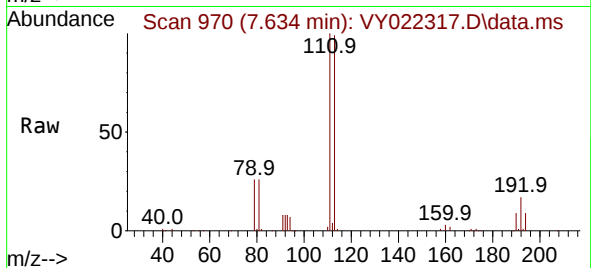
Acq: 19 May 2025 14:35

Instrument :

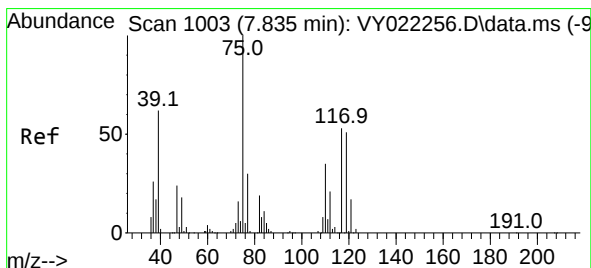
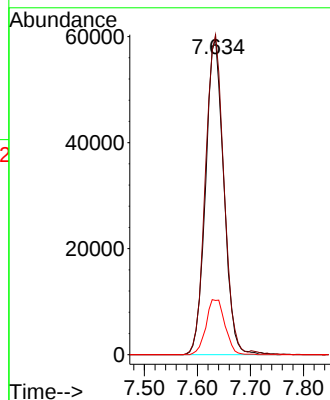
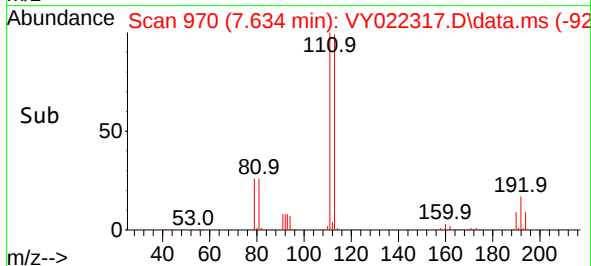
MSVOA_Y

ClientSampleId :

L1-WC-3-VOC



Tgt Ion:	113	Resp:	142066
Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.6	123.8
192	18.2	15.2	22.8



#36

1,1-Dichloropropene

Concen: 4.975 ug/l

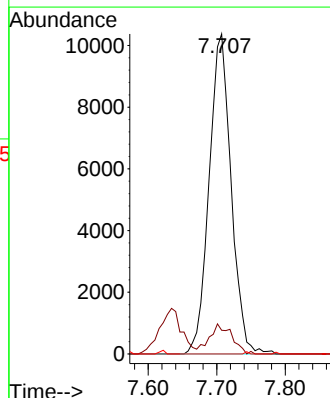
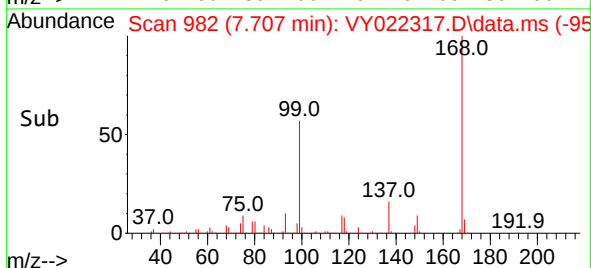
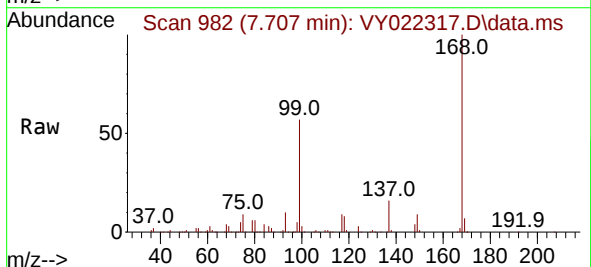
RT: 7.707 min Scan# 982

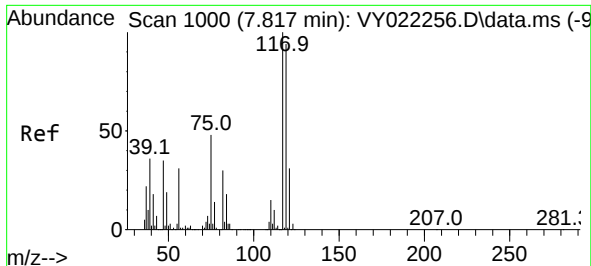
Delta R.T. -0.128 min

Lab File: VY022317.D

Acq: 19 May 2025 14:35

Tgt Ion:	75	Resp:	23184
Ion	Ratio	Lower	Upper
75	100		
110	9.5	16.6	49.8#
77	0.0	24.6	37.0#

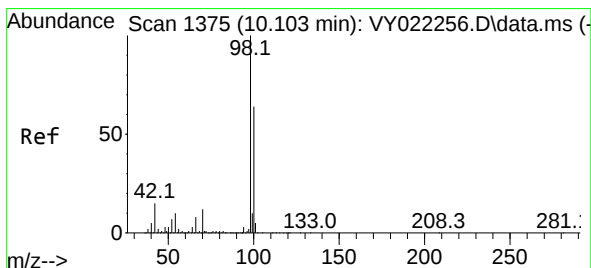
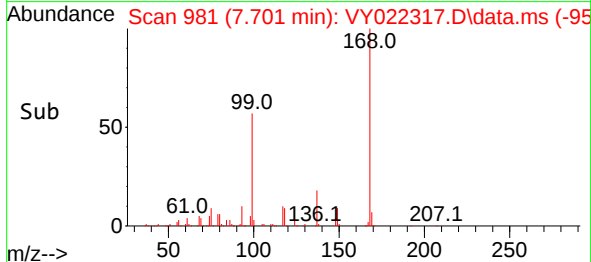
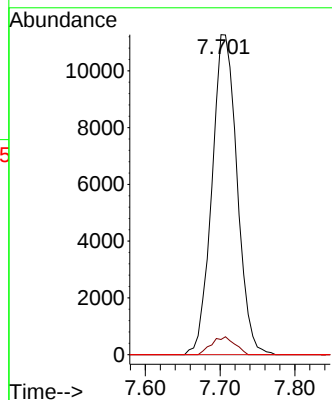
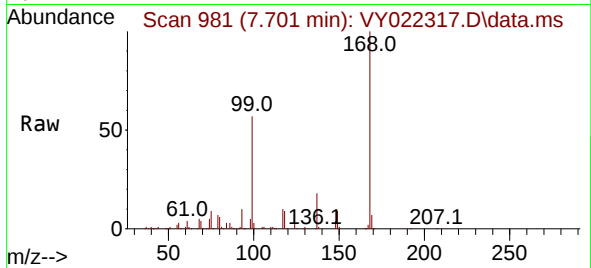




#38
Carbon Tetrachloride
Concen: 5.475 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022317.D
Acq: 19 May 2025 14:35

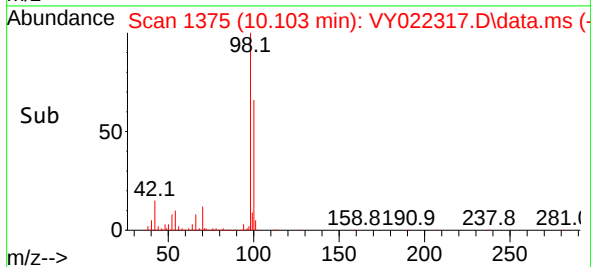
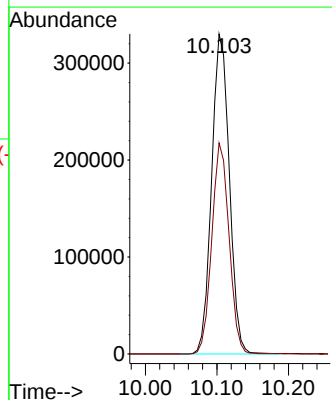
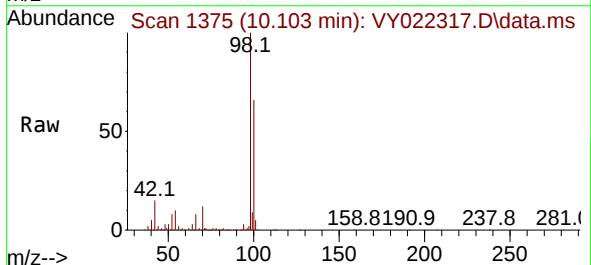
Instrument :
MSVOA_Y
ClientSampleId :
L1-WC-3-VOC

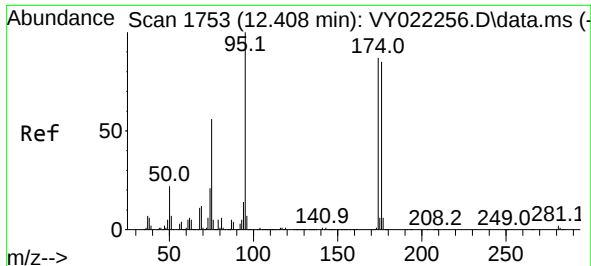
Tgt Ion:117 Resp: 26407
Ion Ratio Lower Upper
117 100
119 4.8 75.3 112.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.888 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022317.D
Acq: 19 May 2025 14:35

Tgt Ion: 98 Resp: 566461
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8

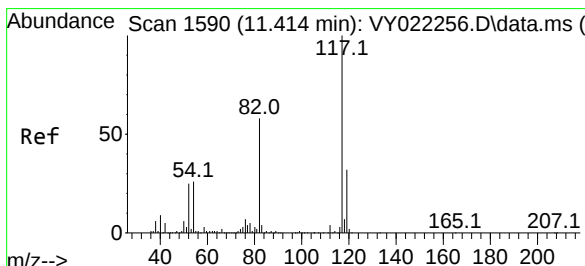
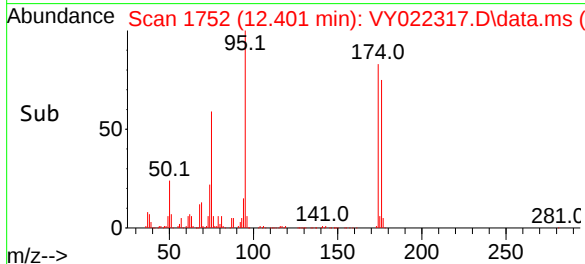
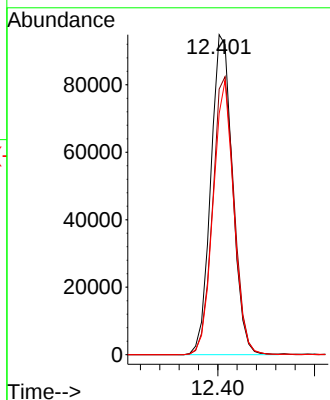
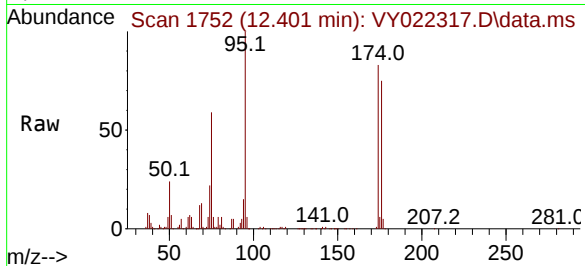




#62
4-Bromofluorobenzene
Concen: 40.173 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022317.D
Acq: 19 May 2025 14:35

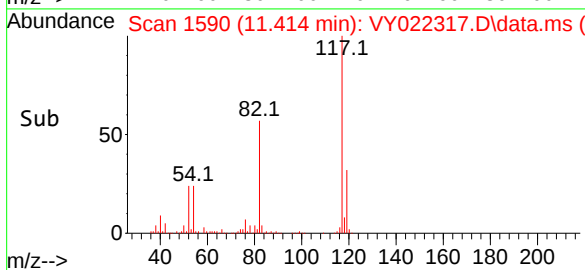
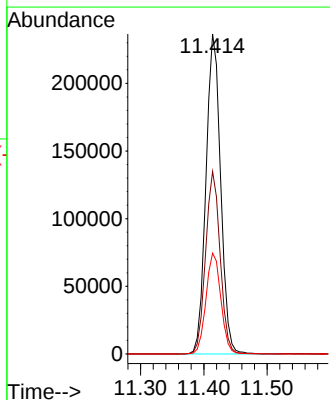
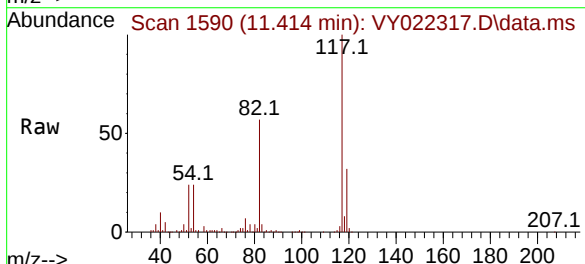
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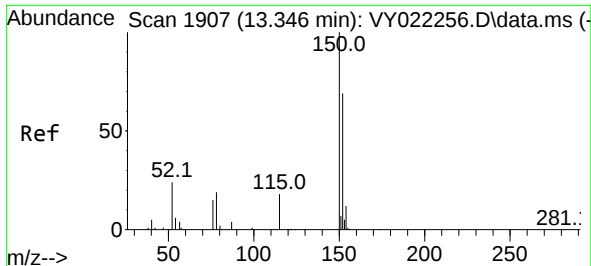
Tgt Ion: 95 Resp: 147541
Ion Ratio Lower Upper
95 100
174 86.5 0.0 166.8
176 81.9 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022317.D
Acq: 19 May 2025 14:35

Tgt Ion: 117 Resp: 380743
Ion Ratio Lower Upper
117 100
82 57.1 46.6 70.0
119 31.5 25.8 38.6

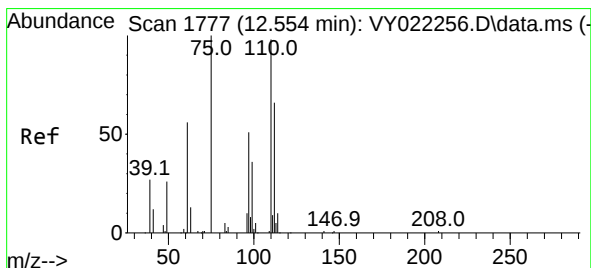
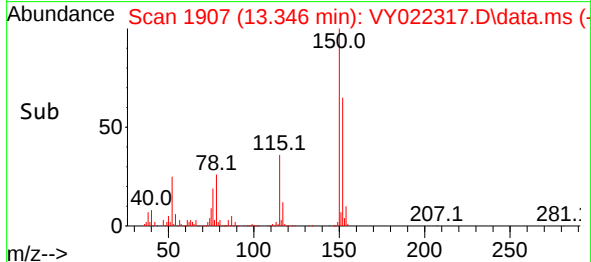
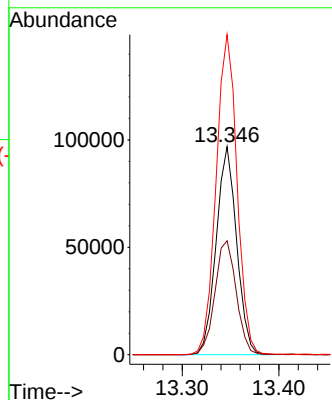
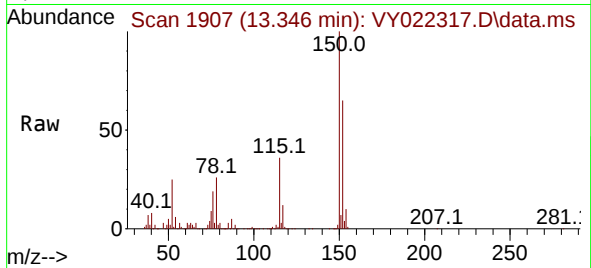




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022317.D
 Acq: 19 May 2025 14:35

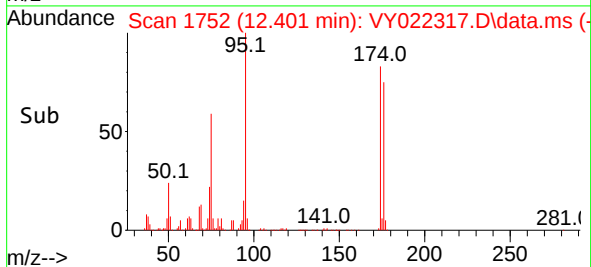
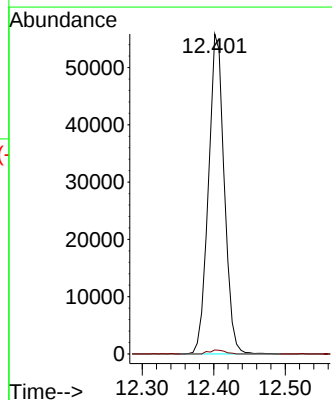
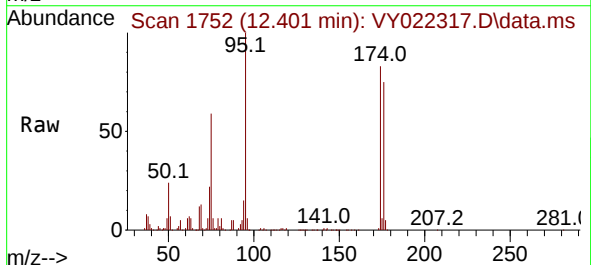
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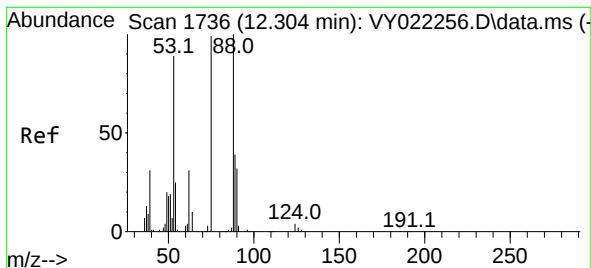
Tgt Ion:152 Resp: 142383
 Ion Ratio Lower Upper
 152 100
 115 57.2 29.4 88.2
 150 157.2 0.0 353.8



#76
 1,2,3-Trichloropropane
 Concen: 59.426 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.152 min
 Lab File: VY022317.D
 Acq: 19 May 2025 14:35

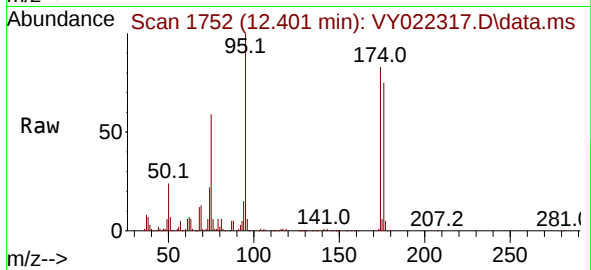
Tgt Ion: 75 Resp: 85722
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.383 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022317.D
 Acq: 19 May 2025 14:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 L1-WC-3-VOC



Tgt Ion: 75 Resp: 85722
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.8 113.8#
 89 0.1 36.2 54.2#

