

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022313.D
 Acq On : 19 May 2025 13:02
 Operator : SY/MD
 Sample : Q2048-15
 Misc : 5.96g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 L2-WC-4-VOC

Quant Time: May 20 01:12:54 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)

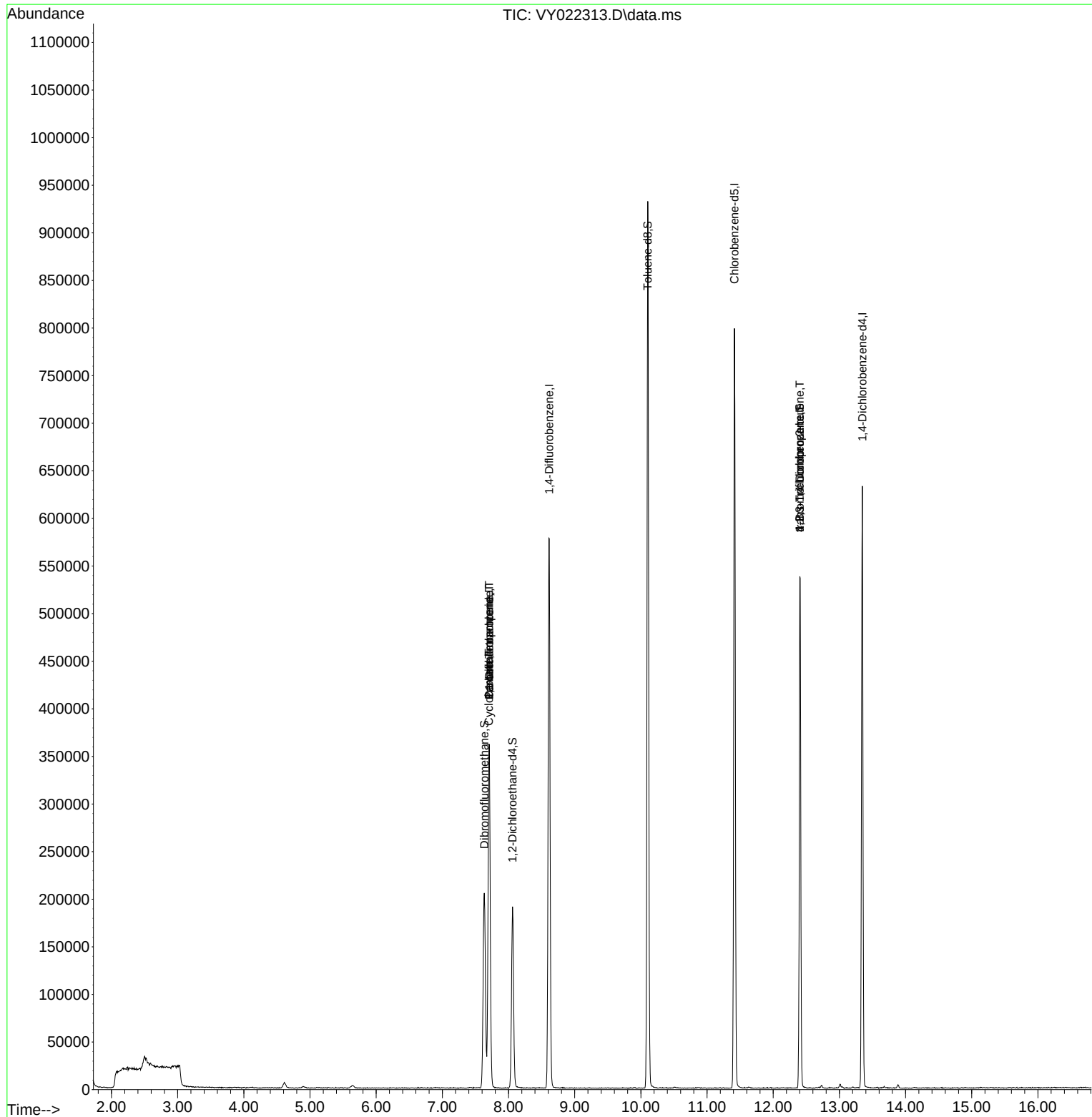
Internal Standards						
1) Pentafluorobenzene	7.707	168	274488	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	490360	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	388924	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	143384	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137635	45.880	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.760%
35) Dibromofluoromethane	7.634	113	144821	49.482	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.960%
50) Toluene-d8	10.103	98	584563	48.768	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.540%
62) 4-Bromofluorobenzene	12.401	95	150167	39.524	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.040%
Target Compounds						
					Qvalue	
31) Cyclohexane	7.701	56	7593	1.251	ug/l #	29
36) 1,1-Dichloropropene	7.707	75	23044	4.780	ug/l #	51
38) Carbon Tetrachloride	7.707	117	26959	5.403	ug/l #	16
76) 1,2,3-Trichloropropane	12.401	75	87885	60.501	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	87885	122.559	ug/l #	12

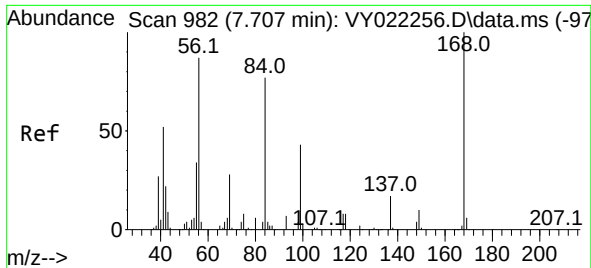
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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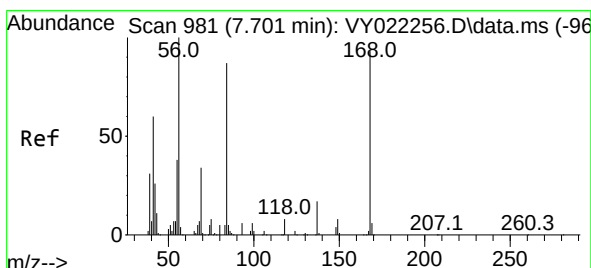
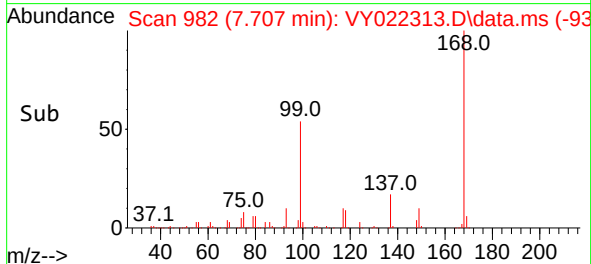
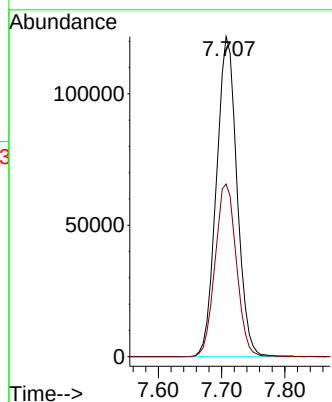
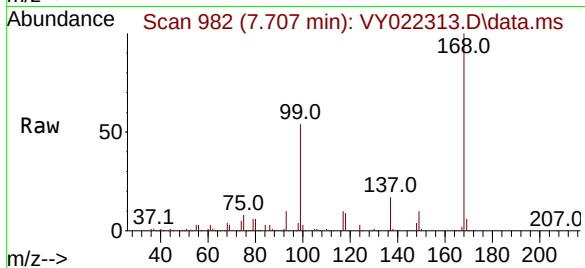




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022313.D
Acq: 19 May 2025 13:02

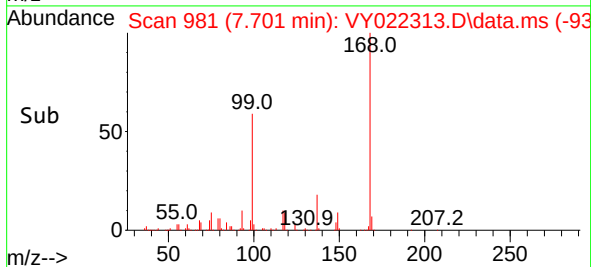
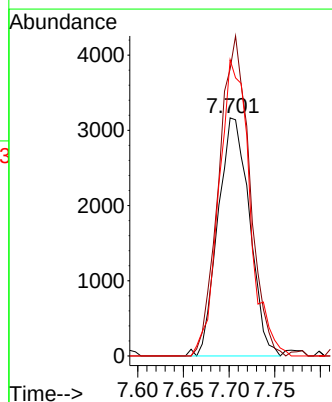
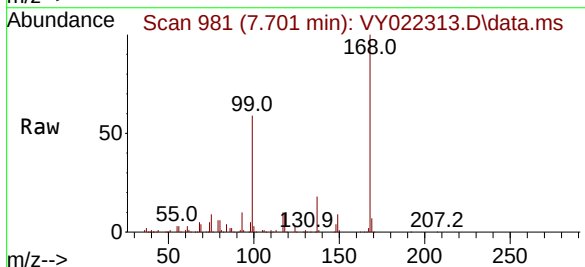
Instrument :
MSVOA_Y
ClientSampleId :
L2-WC-4-VOC

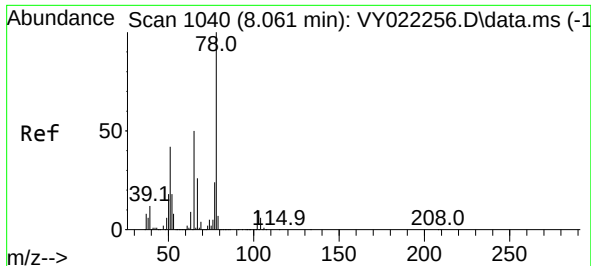
Tgt Ion:168 Resp: 274488
Ion Ratio Lower Upper
168 100
99 53.9 44.2 66.4



#31
Cyclohexane
Concen: 1.251 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY022313.D
Acq: 19 May 2025 13:02

Tgt Ion: 56 Resp: 7593
Ion Ratio Lower Upper
56 100
69 120.5 27.4 41.2#
84 124.4 70.0 105.0#





#33

1,2-Dichloroethane-d4

Concen: 45.880 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY022313.D

Acq: 19 May 2025 13:02

Instrument :

MSVOA_Y

ClientSampleId :

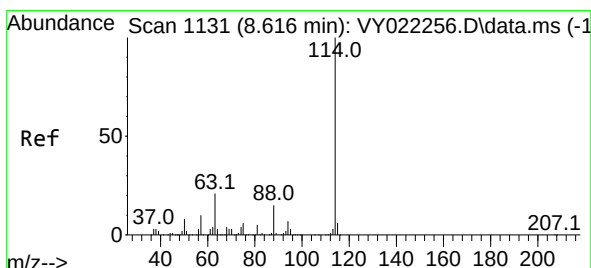
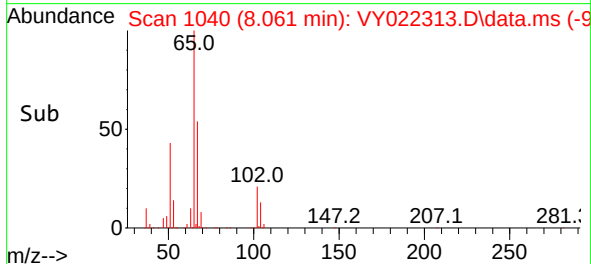
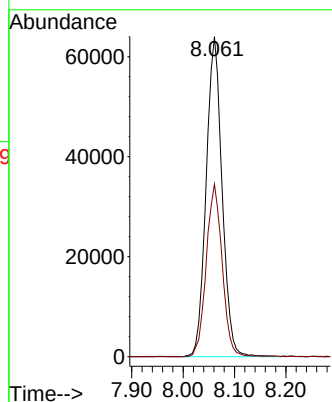
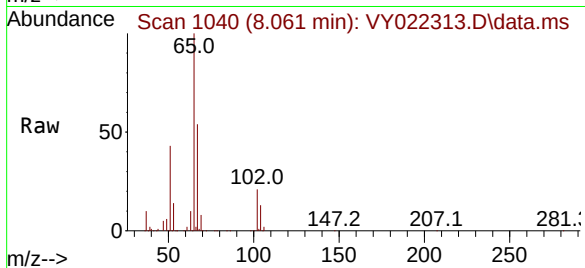
L2-WC-4-VOC

Tgt Ion: 65 Resp: 137635

Ion Ratio Lower Upper

65 100

67 53.9 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: VY022313.D

Acq: 19 May 2025 13:02

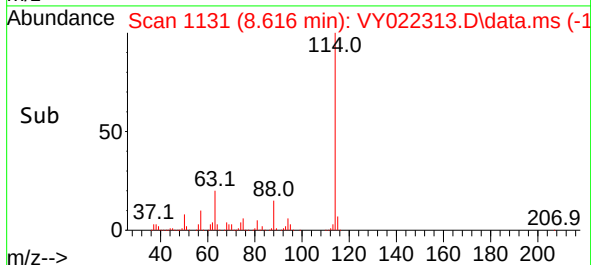
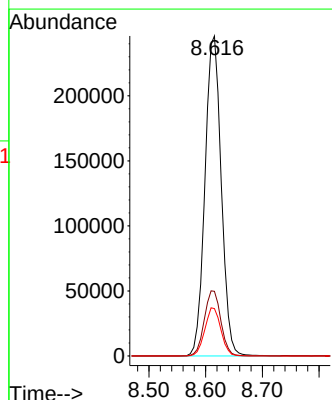
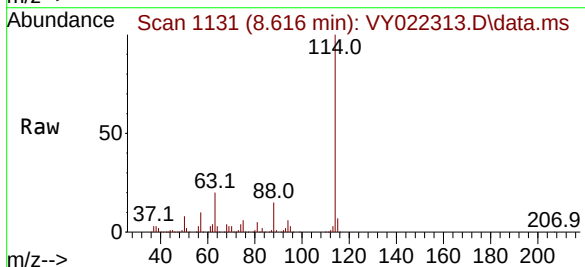
Tgt Ion: 114 Resp: 490360

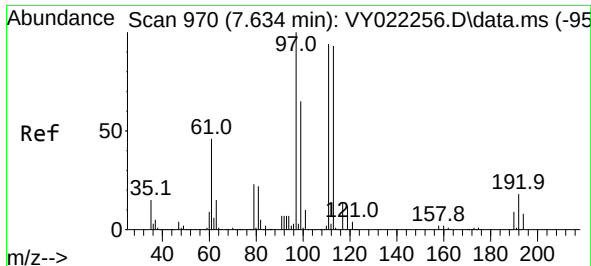
Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.0

88 14.8 0.0 29.4

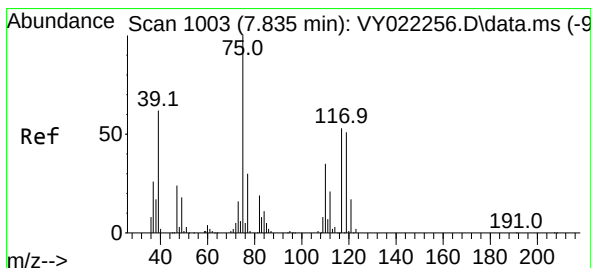
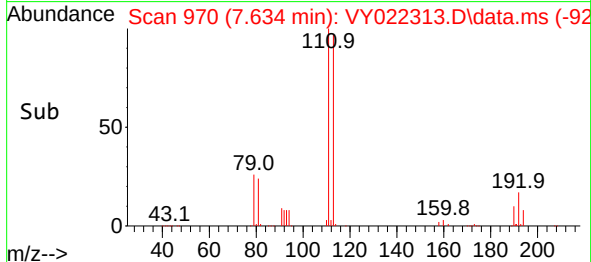
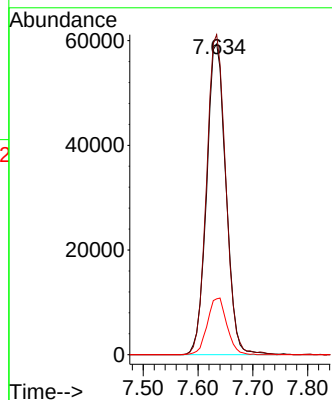
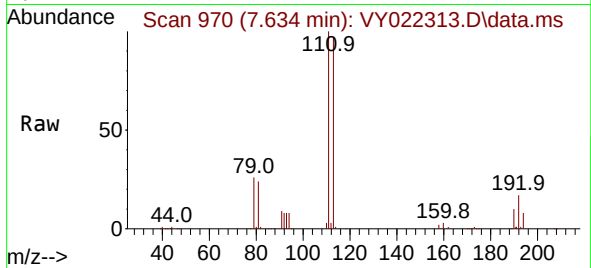




#35
Dibromofluoromethane
Concen: 49.482 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022313.D
Acq: 19 May 2025 13:02

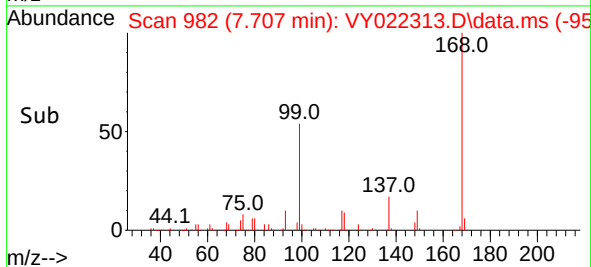
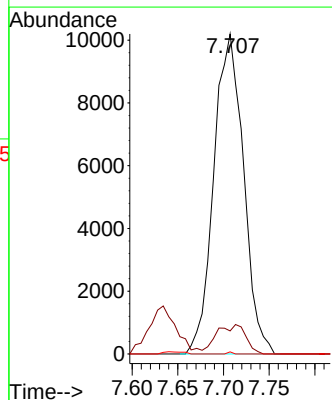
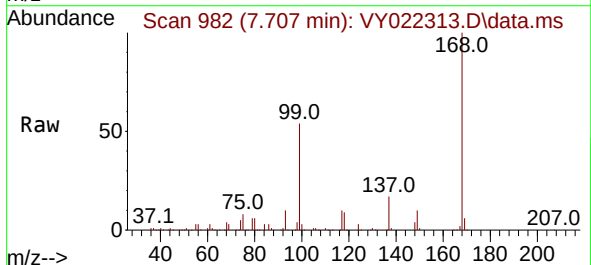
Instrument :
MSVOA_Y
ClientSampleId :
L2-WC-4-VOC

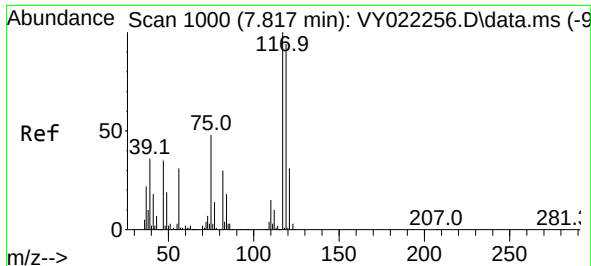
Tgt Ion:113 Resp: 144821
Ion Ratio Lower Upper
113 100
111 102.4 82.6 123.8
192 18.4 15.2 22.8



#36
1,1-Dichloropropene
Concen: 4.780 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022313.D
Acq: 19 May 2025 13:02

Tgt Ion: 75 Resp: 23044
Ion Ratio Lower Upper
75 100
110 9.0 16.6 49.8#
77 0.1 24.6 37.0#

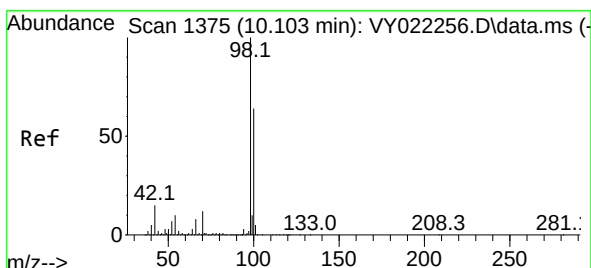
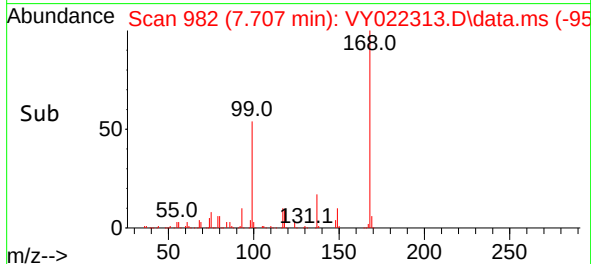
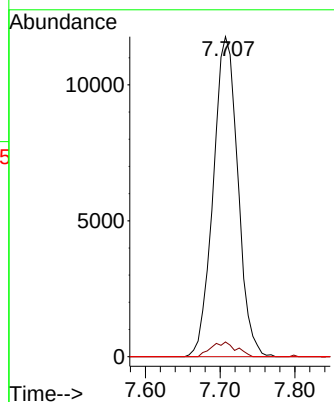
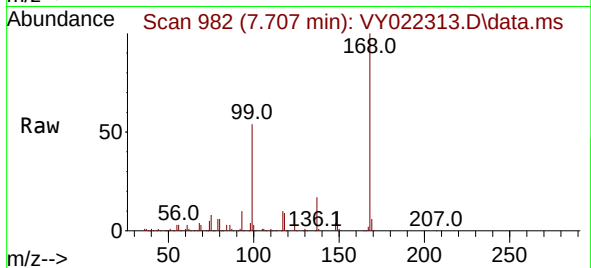




#38
Carbon Tetrachloride
Concen: 5.403 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022313.D
Acq: 19 May 2025 13:02

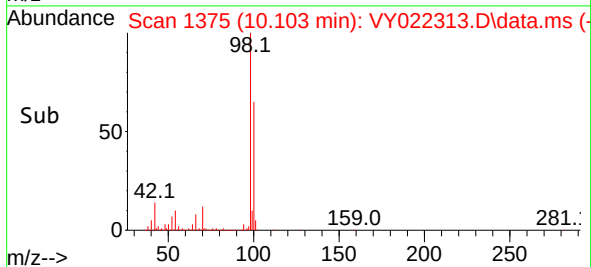
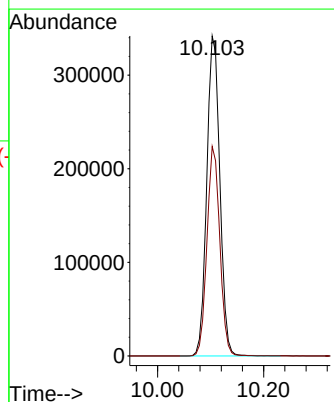
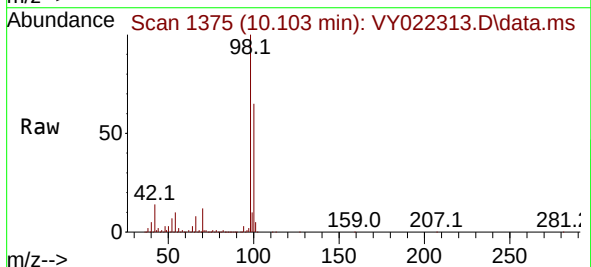
Instrument :
MSVOA_Y
ClientSampleId :
L2-WC-4-VOC

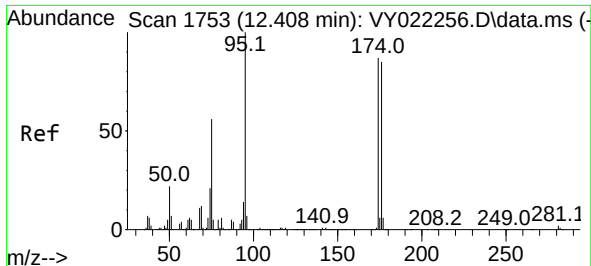
Tgt Ion:117 Resp: 26959
Ion Ratio Lower Upper
117 100
119 4.6 75.3 112.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.768 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022313.D
Acq: 19 May 2025 13:02

Tgt Ion: 98 Resp: 584563
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.8

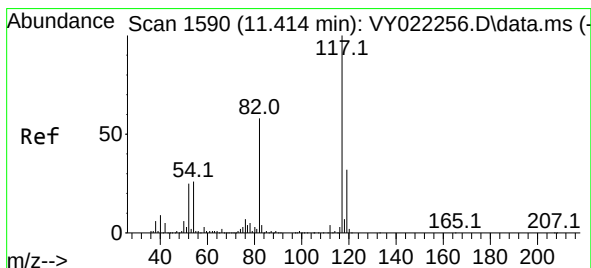
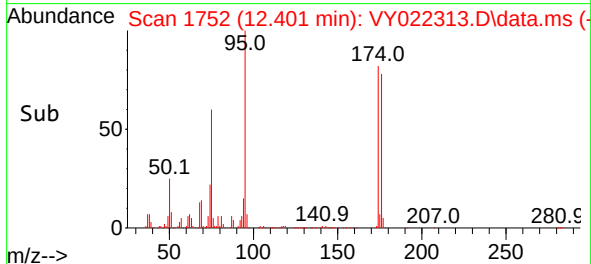
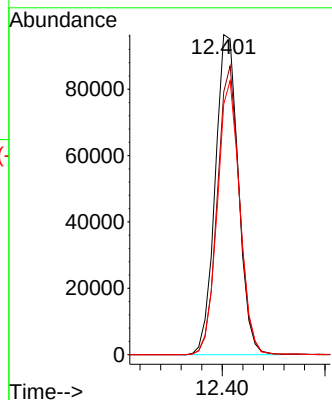
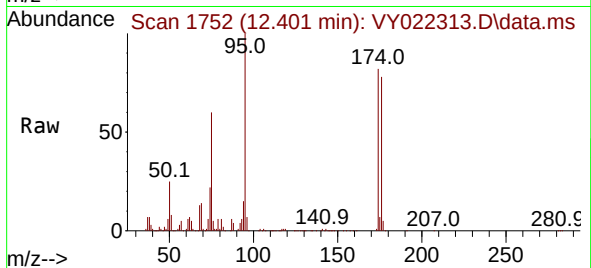




#62
4-Bromofluorobenzene
Concen: 39.524 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022313.D
Acq: 19 May 2025 13:02

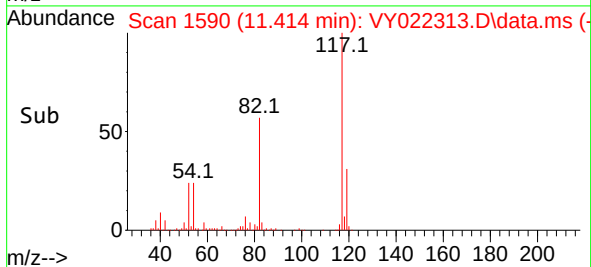
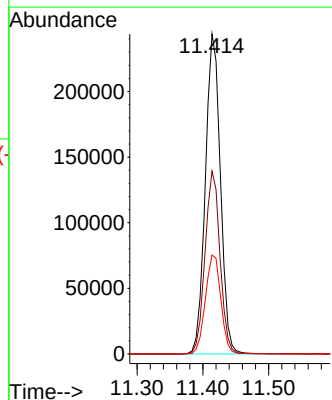
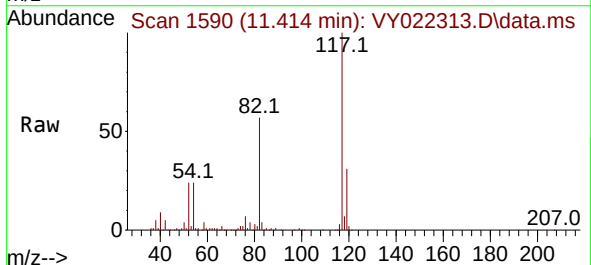
Instrument :
MSVOA_Y
ClientSampleId :
L2-WC-4-VOC

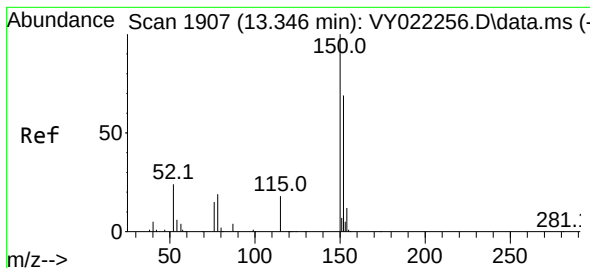
Tgt Ion: 95 Resp: 150167
Ion Ratio Lower Upper
95 100
174 86.4 0.0 166.8
176 83.2 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022313.D
Acq: 19 May 2025 13:02

Tgt Ion: 117 Resp: 388924
Ion Ratio Lower Upper
117 100
82 57.1 46.6 70.0
119 31.0 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: VY022313.D

Acq: 19 May 2025 13:02

Instrument :

MSVOA_Y

ClientSampleId :

L2-WC-4-VOC

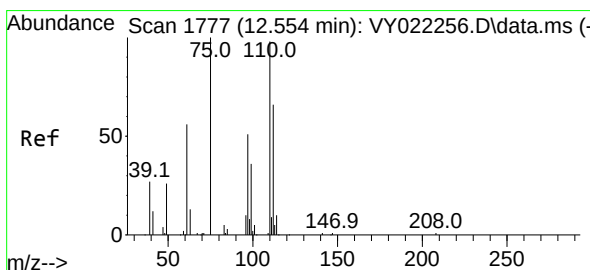
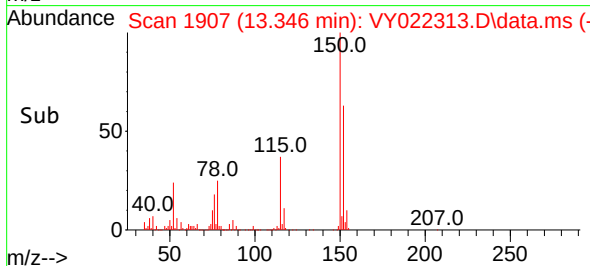
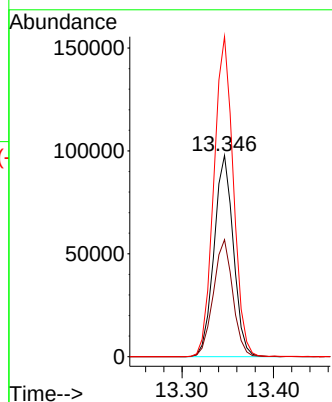
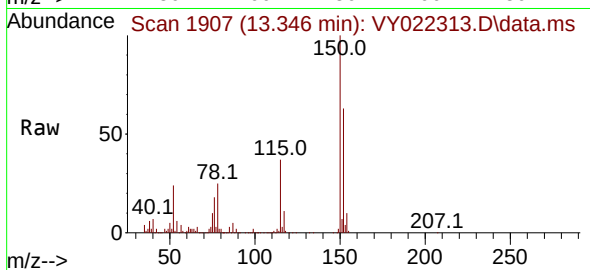
Tgt Ion:152 Resp: 143384

Ion Ratio Lower Upper

152 100

115 58.5 29.4 88.2

150 160.7 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 60.501 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY022313.D

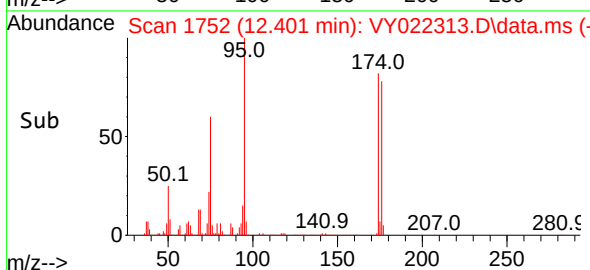
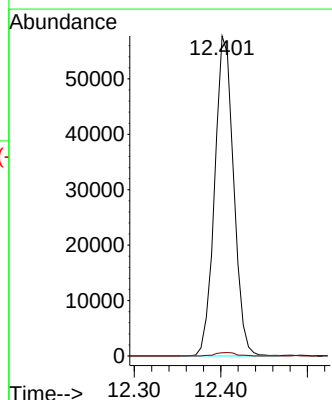
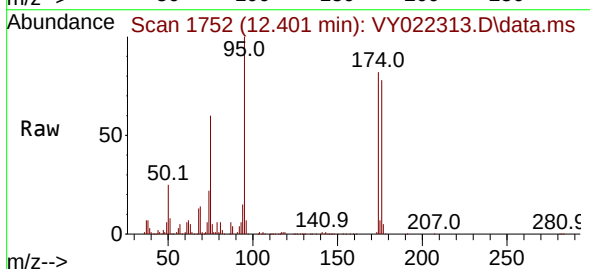
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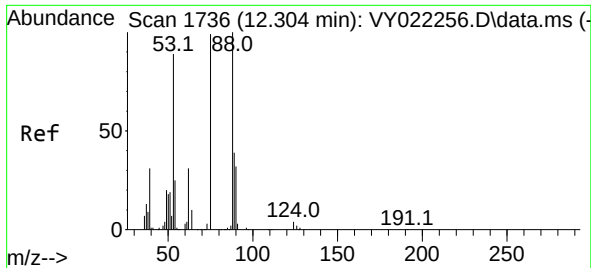
Tgt Ion: 75 Resp: 87885

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.559 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY022313.D
 Acq: 19 May 2025 13:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 L2-WC-4-VOC

Tgt Ion: 75 Resp: 87885
 Ion Ratio Lower Upper
 75 100
 53 0.1 75.8 113.8#
 89 0.0 36.2 54.2#

