

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110725\
 Data File : VY023708.D
 Acq On : 07 Nov 2025 15:06
 Operator : SY/MD
 Sample : Q3577-03
 Misc : 4.45g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1A-VOC

Quant Time: Nov 08 03:28:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

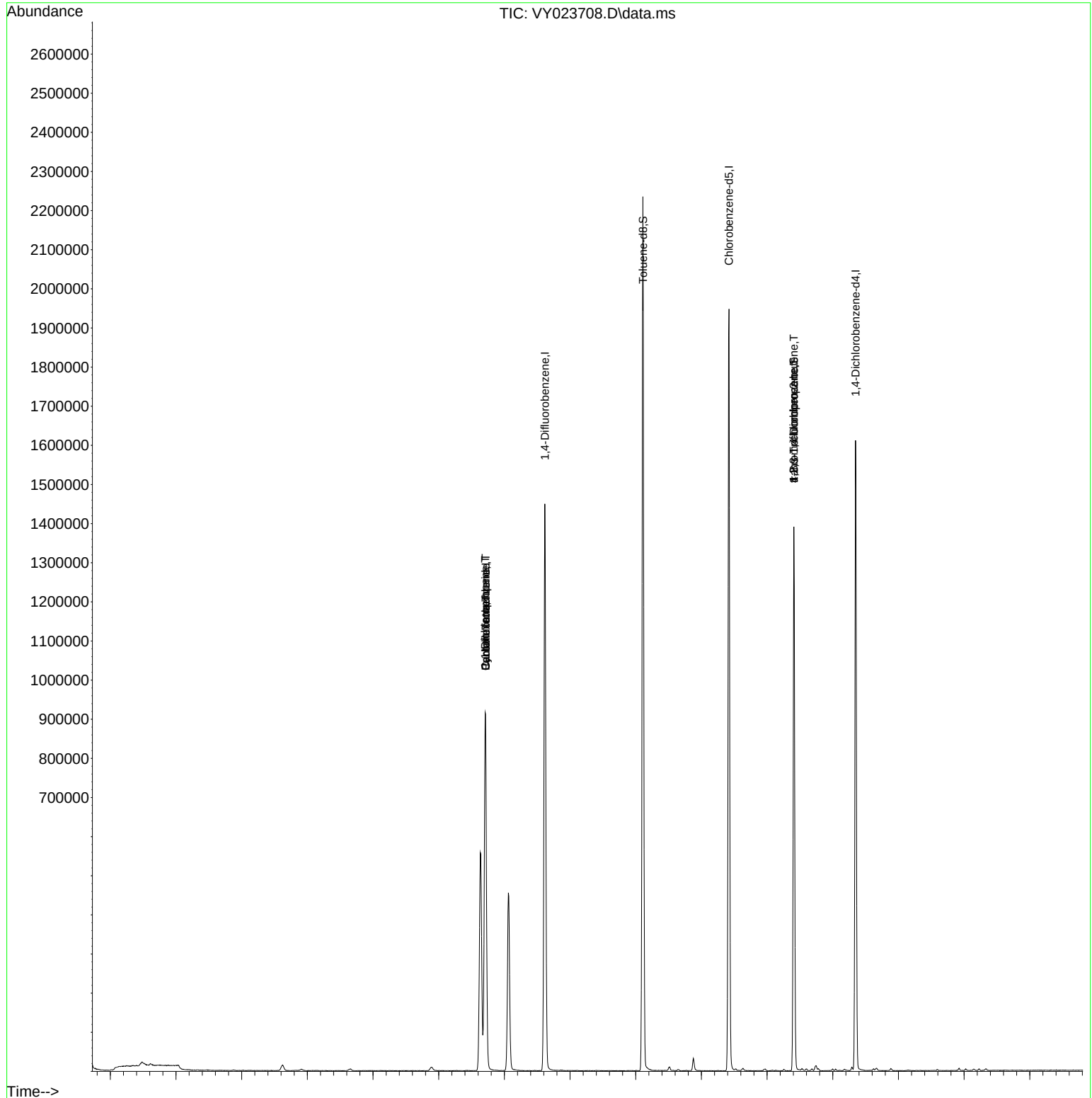
Internal Standards						
1) Pentafluorobenzene	7.713	168	748250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1278276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1087835	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	423734	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	361069	56.570	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.140%			
35) Dibromofluoromethane	7.634	113	409819	51.302	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.600%			
50) Toluene-d8	10.109	98	1470749	49.425	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.860%			
62) 4-Bromofluorobenzene	12.407	95	417204	43.354	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 86.700%			
Target Compounds						
16) Acetone	3.879	43	1725	1.087	ug/l	89
20) Methylene Chloride	4.622	84	11185	1.460	ug/l	98
31) Cyclohexane	7.713	56	13586	1.292	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	52030	4.874	ug/l #	47
38) Carbon Tetrachloride	7.713	117	70749	5.625	ug/l #	16
76) 1,2,3-Trichloropropane	12.407	75	204752	59.706	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	204752	134.932	ug/l #	14
95) Naphthalene	15.151	128	2974	5.475	ug/l	99

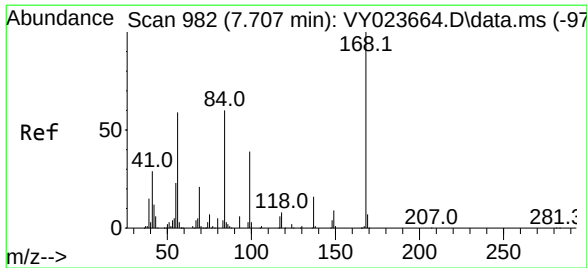
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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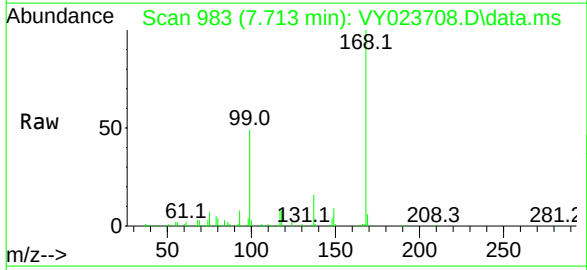
Quant Time: Nov 08 03:28:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
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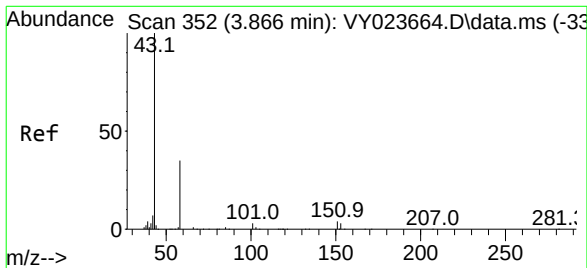
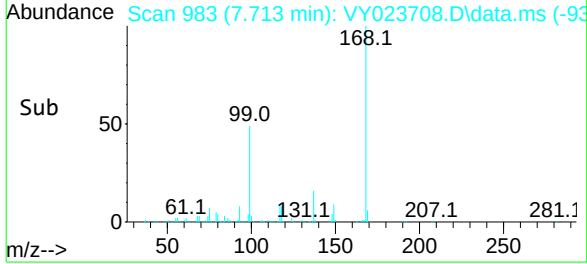
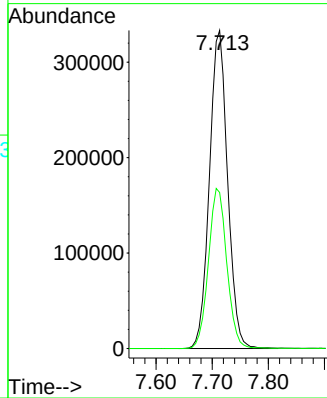


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY023708.D
Acq: 07 Nov 2025 15:06

Instrument :
MSVOA_Y
ClientSampleId :
WC-1A-VOC

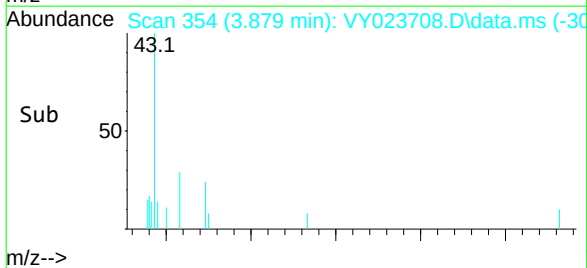
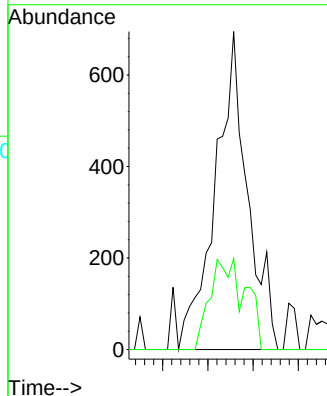
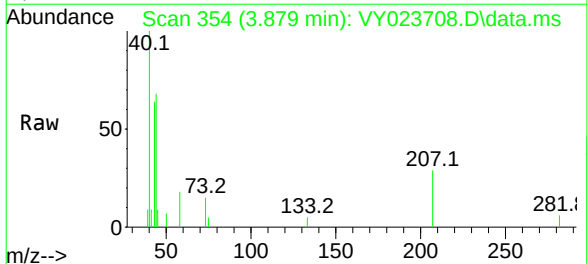


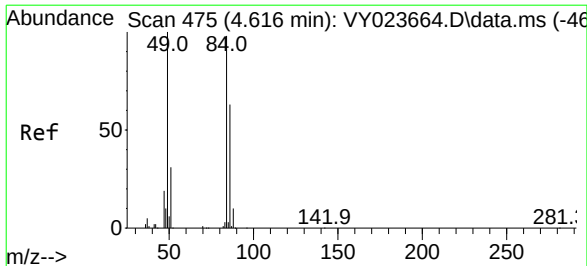
Tgt Ion:168 Resp: 748250
Ion Ratio Lower Upper
168 100
99 49.1 41.0 61.4



#16
Acetone
Concen: 1.087 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.012 min
Lab File: VY023708.D
Acq: 07 Nov 2025 15:06

Tgt Ion: 43 Resp: 1725
Ion Ratio Lower Upper
43 100
58 28.6 28.2 42.4





#20

Methylene Chloride

Concen: 1.460 ug/l

RT: 4.622 min Scan# 47

Delta R.T. 0.006 min

Lab File: VY023708.D

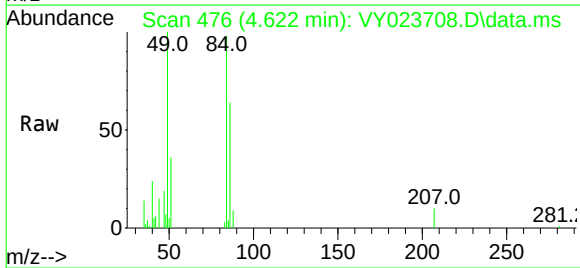
Acq: 07 Nov 2025 15:06

Instrument :

MSVOA_Y

ClientSampleId :

WC-1A-VOC



Tgt Ion: 84 Resp: 11185

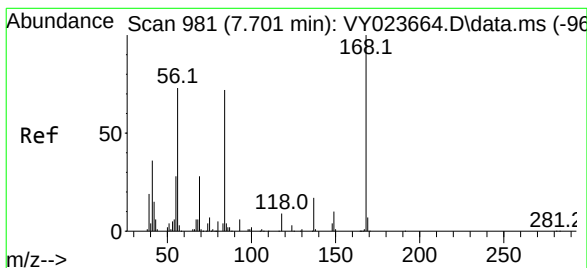
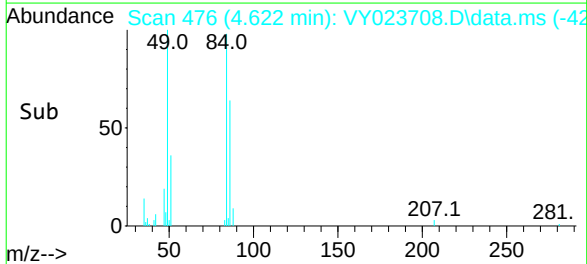
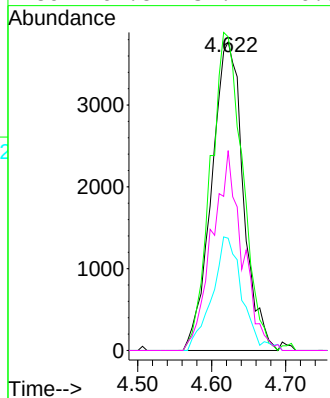
Ion Ratio Lower Upper

84 100

49 101.7 81.5 122.3

51 36.4 25.5 38.3

86 64.8 51.2 76.8



#31

Cyclohexane

Concen: 1.292 ug/l

RT: 7.713 min Scan# 983

Delta R.T. 0.012 min

Lab File: VY023708.D

Acq: 07 Nov 2025 15:06

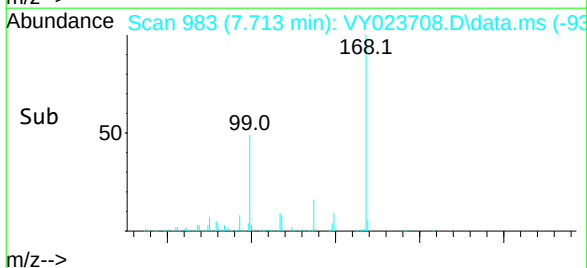
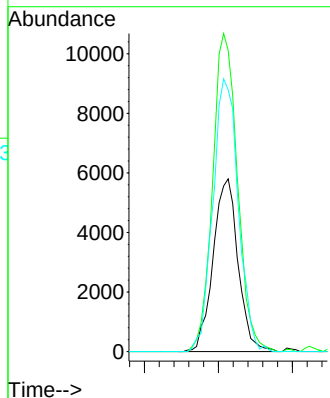
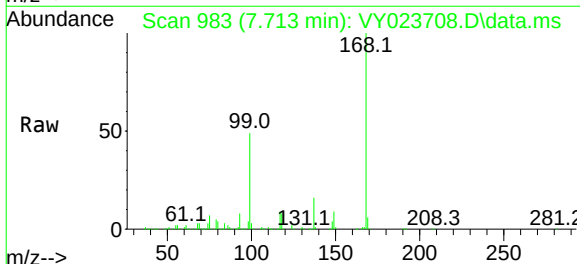
Tgt Ion: 56 Resp: 13586

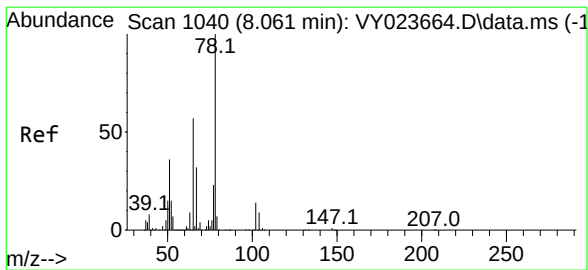
Ion Ratio Lower Upper

56 100

69 174.4 30.5 45.7#

84 151.6 79.0 118.4#

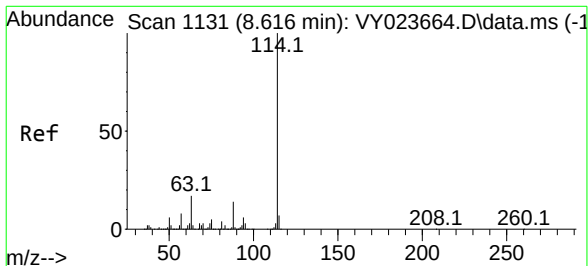
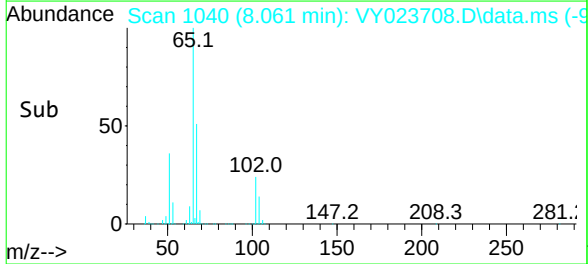
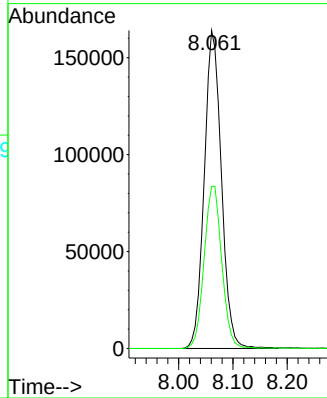
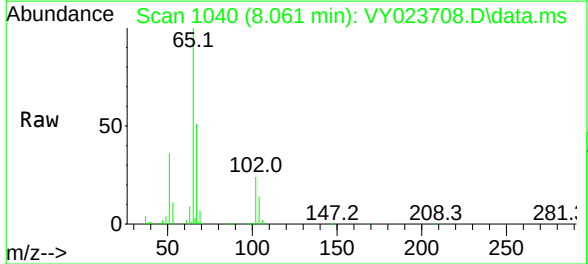




#33
1,2-Dichloroethane-d4
Concen: 56.570 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY023708.D
Acq: 07 Nov 2025 15:06

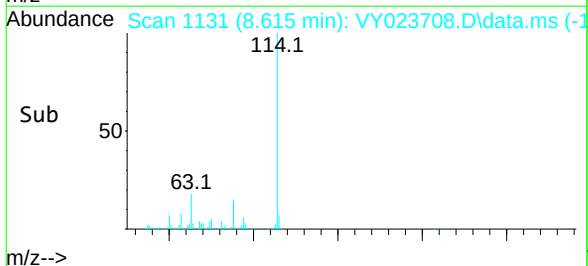
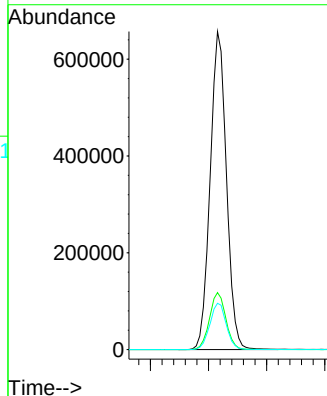
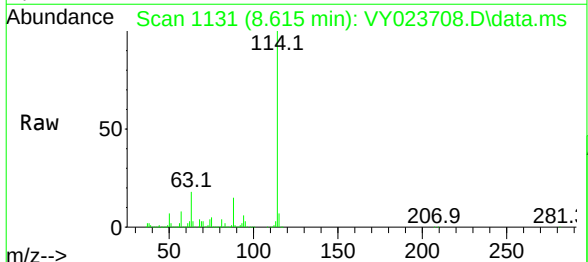
Instrument :
MSVOA_Y
ClientSampleId :
WC-1A-VOC

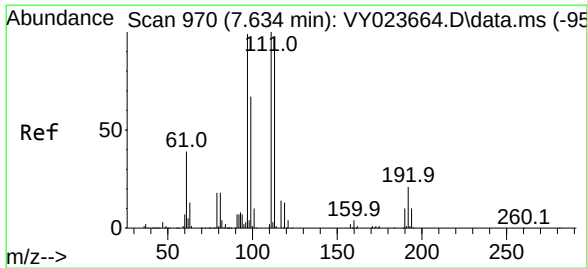
Tgt Ion: 65 Resp: 361069
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023708.D
Acq: 07 Nov 2025 15:06

Tgt Ion: 114 Resp: 1278276
Ion Ratio Lower Upper
114 100
63 17.9 0.0 33.8
88 14.6 0.0 29.0

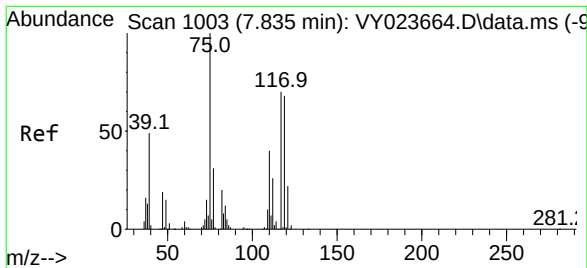
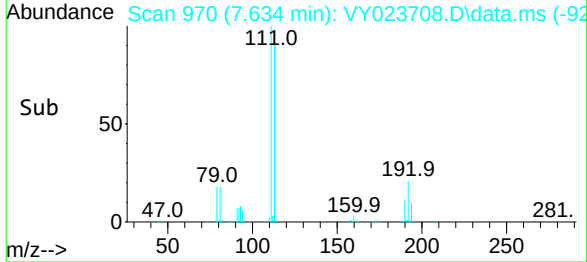
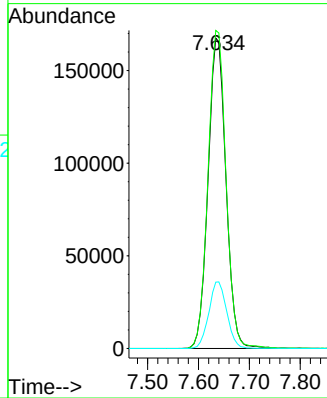
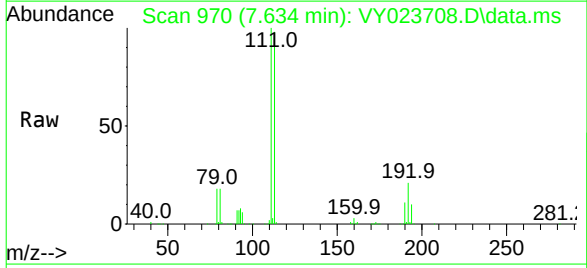




#35
Dibromofluoromethane
Concen: 51.302 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023708.D
Acq: 07 Nov 2025 15:06

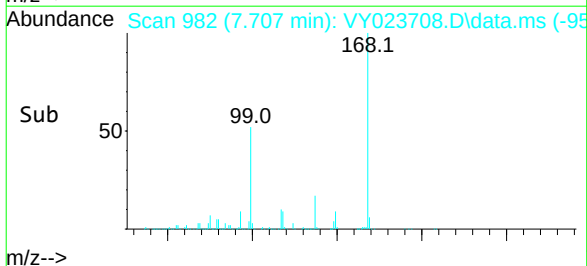
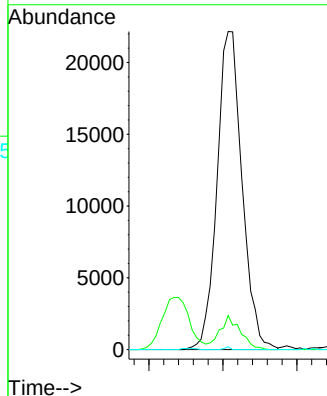
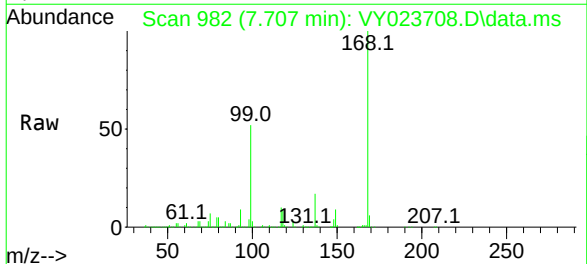
Instrument :
MSVOA_Y
ClientSampleId :
WC-1A-VOC

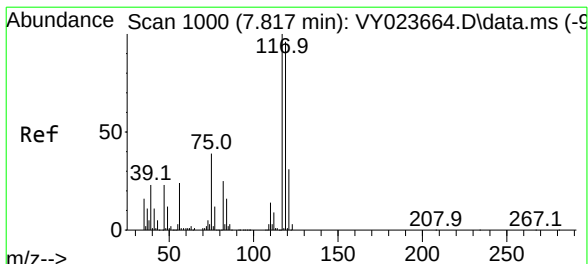
Tgt Ion:113 Resp: 409819
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.4
192 21.5 17.3 25.9



#36
1,1-Dichloropropene
Concen: 4.874 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023708.D
Acq: 07 Nov 2025 15:06

Tgt Ion: 75 Resp: 52030
Ion Ratio Lower Upper
75 100
110 8.8 19.7 59.0#
77 0.2 25.2 37.8#

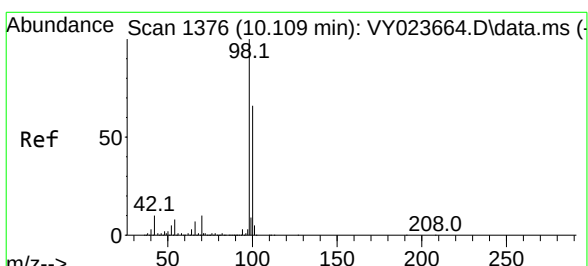
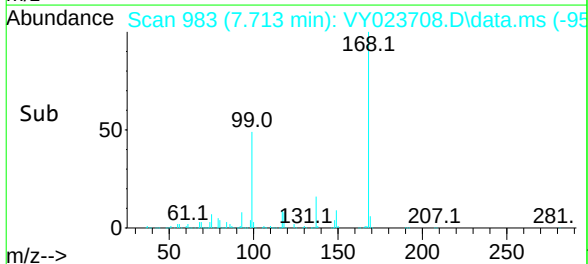
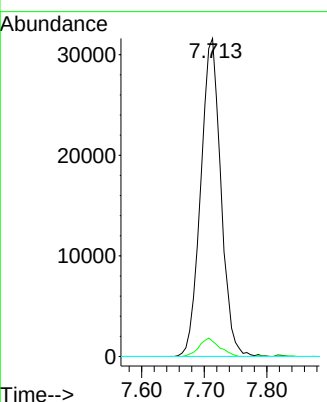
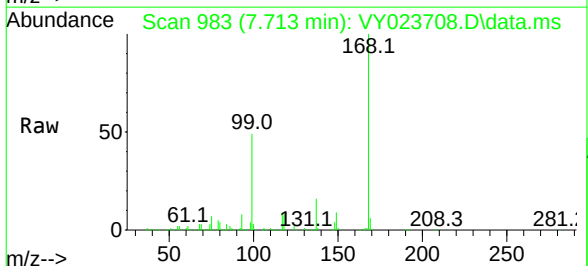




#38
Carbon Tetrachloride
Concen: 5.625 ug/l
RT: 7.713 min Scan# 98
Delta R.T. -0.104 min
Lab File: VY023708.D
Acq: 07 Nov 2025 15:06

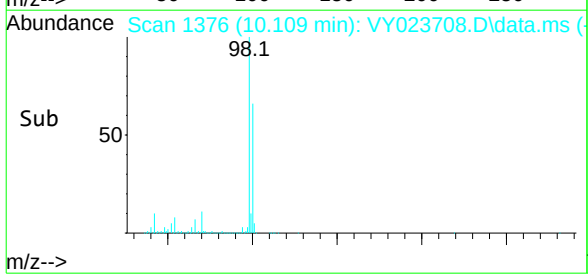
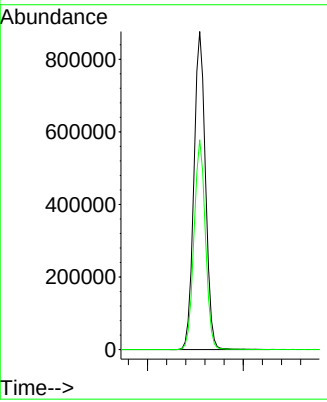
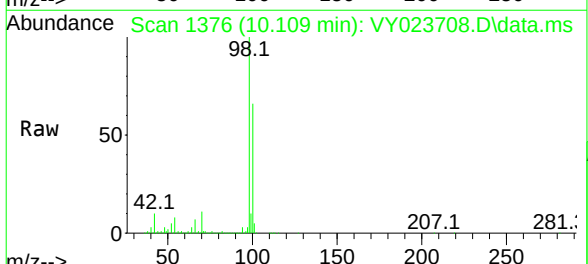
Instrument :
MSVOA_Y
ClientSampleId :
WC-1A-VOC

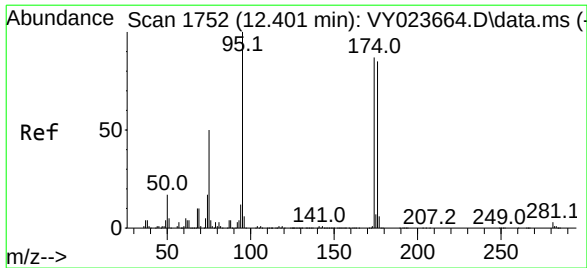
Tgt Ion:	117	Resp:	70749
Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.3	114.5#
121	0.0	24.8	37.2#



#50
Toluene-d8
Concen: 49.425 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023708.D
Acq: 07 Nov 2025 15:06

Tgt Ion:	98	Resp:	1470749
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.7	79.1





#62

4-Bromofluorobenzene

Concen: 43.354 ug/l

RT: 12.407 min Scan# 17

Delta R.T. 0.006 min

Lab File: VY023708.D

Acq: 07 Nov 2025 15:06

Instrument :

MSVOA_Y

ClientSampleId :

WC-1A-VOC

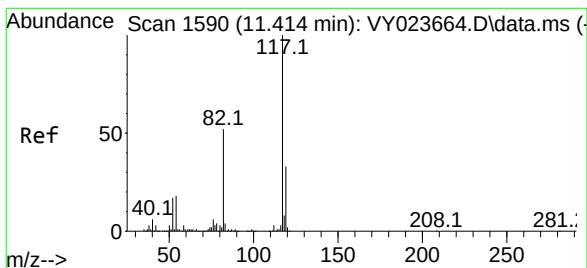
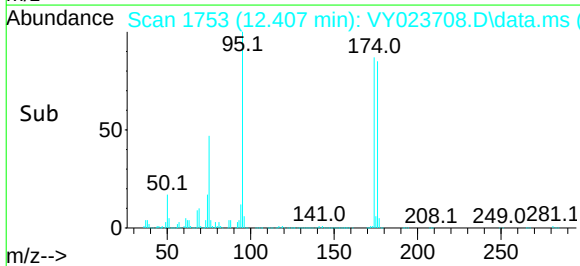
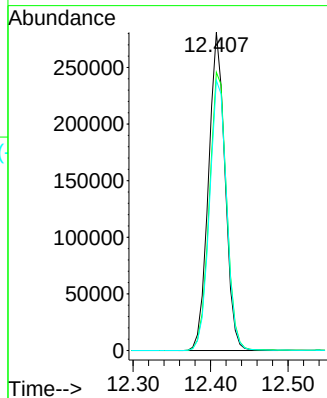
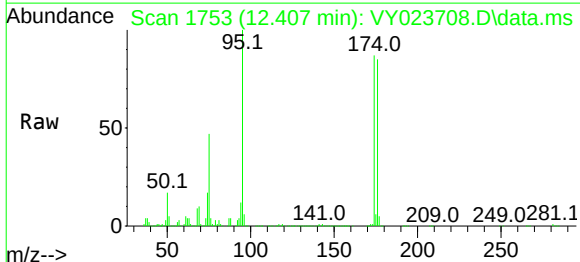
Tgt Ion: 95 Resp: 417204

Ion Ratio Lower Upper

95 100

174 91.4 0.0 184.8

176 87.9 0.0 181.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY023708.D

Acq: 07 Nov 2025 15:06

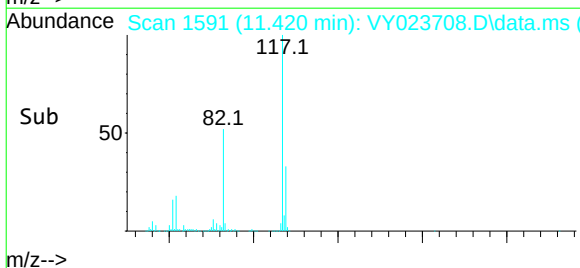
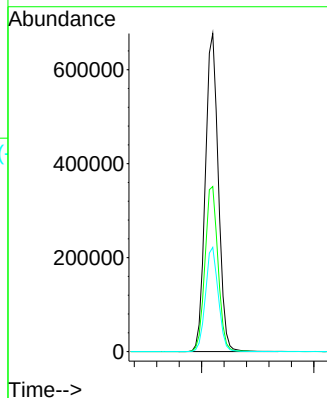
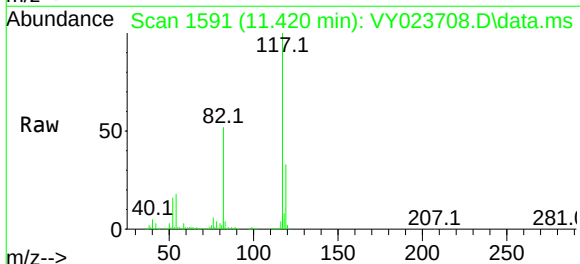
Tgt Ion: 117 Resp: 1087835

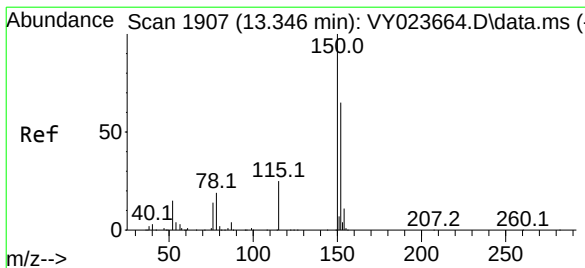
Ion Ratio Lower Upper

117 100

82 51.9 41.2 61.8

119 32.8 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 19

Delta R.T. -0.000 min

Lab File: VY023708.D

Acq: 07 Nov 2025 15:06

Instrument :

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WC-1A-VOC

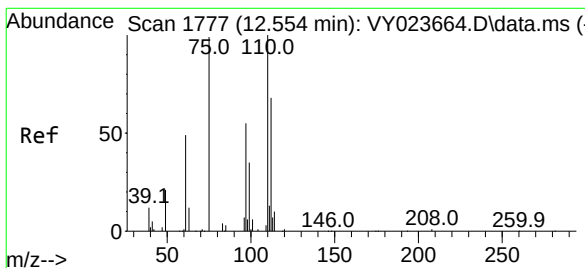
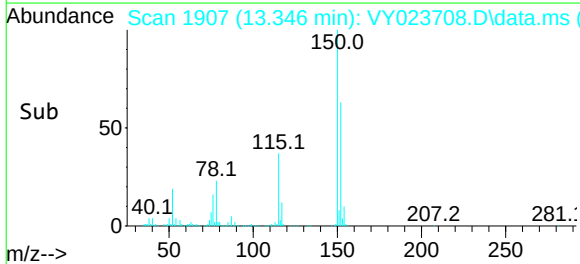
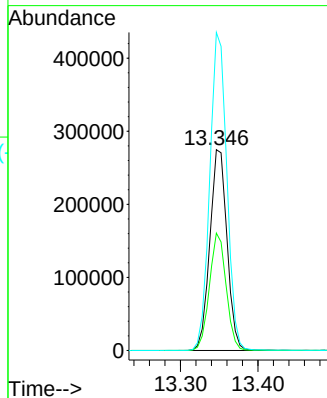
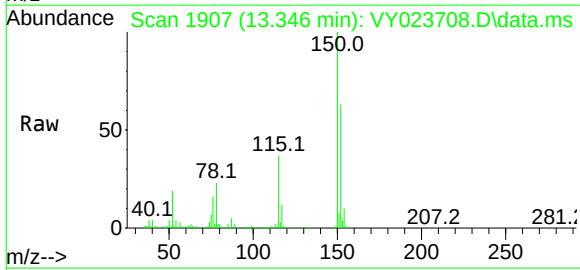
Tgt Ion:152 Resp: 423734

Ion Ratio Lower Upper

152 100

115 56.7 27.5 82.5

150 157.2 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 59.706 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023708.D

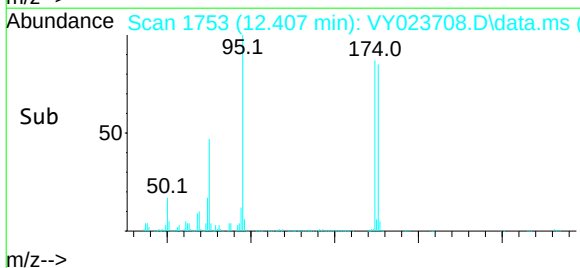
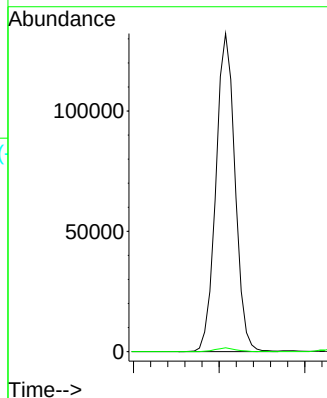
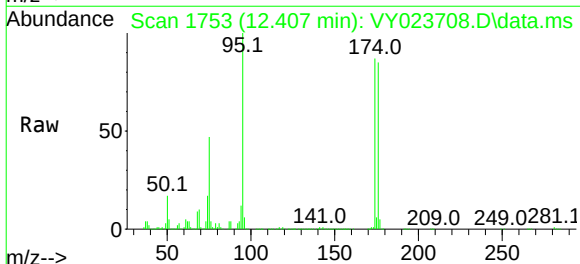
Acq: 07 Nov 2025 15:06

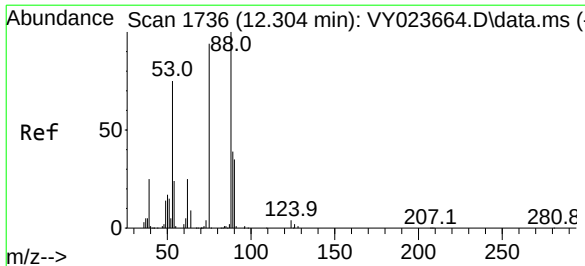
Tgt Ion: 75 Resp: 204752

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

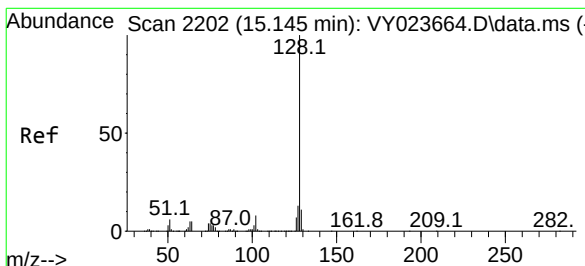
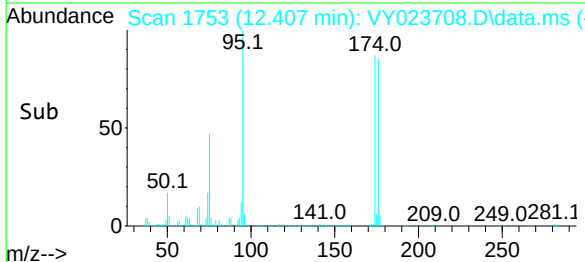
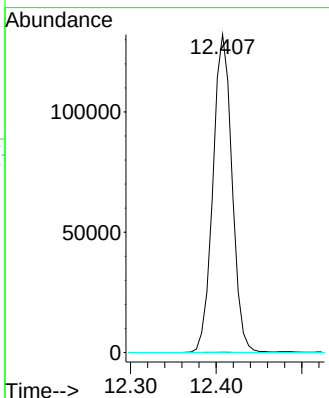
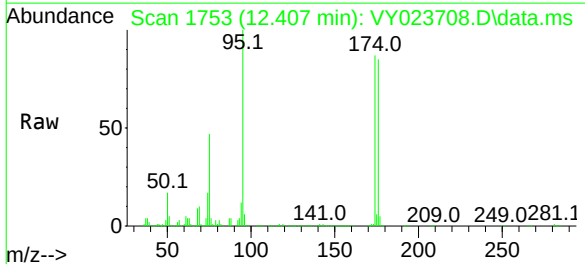




#81
trans-1,4-Dichloro-2-butene
Concen: 134.932 ug/l
RT: 12.407 min Scan# 1736
Delta R.T. 0.104 min
Lab File: VY023708.D
Acq: 07 Nov 2025 15:06

Instrument :
MSVOA_Y
ClientSampleId :
WC-1A-VOC

Tgt Ion: 75 Resp: 204752
Ion Ratio Lower Upper
75 100
53 0.2 69.6 104.4#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 5.475 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. 0.006 min
Lab File: VY023708.D
Acq: 07 Nov 2025 15:06

Tgt Ion: 128 Resp: 2974
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 11.3 8.8 13.2

