

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050725\
 Data File : VY022194.D
 Acq On : 07 May 2025 15:43
 Operator : SY/MD
 Sample : Q1972-15
 Misc : 4.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-B-7-VOC

Quant Time: May 08 01:43:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

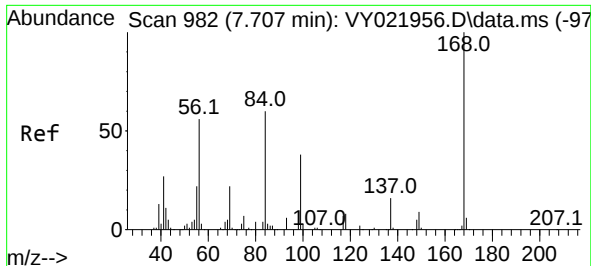
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	198165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	398163	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	363114	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	131004	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	111311	60.812	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.620%	
35) Dibromofluoromethane	7.634	113	136591	51.926	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.860%	
50) Toluene-d8	10.103	98	496240	50.040	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.080%	
62) 4-Bromofluorobenzene	12.401	95	132953	39.825	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 79.660%	
Target Compounds						
16) Acetone	3.872	43	581	Below Cal	Qvalue 89	
20) Methylene Chloride	4.604	84	4495	1.942	ug/l #	85
31) Cyclohexane	7.707	56	4065	1.343	ug/l #	24
36) 1,1-Dichloropropene	7.713	75	15464	4.376	ug/l #	45
38) Carbon Tetrachloride	7.707	117	20329	4.815	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	2082	1.630	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	66987	59.697	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	66987	143.760	ug/l #	16

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

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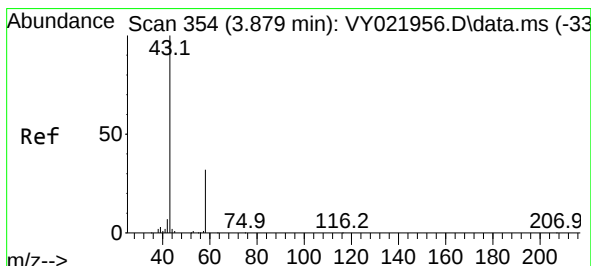
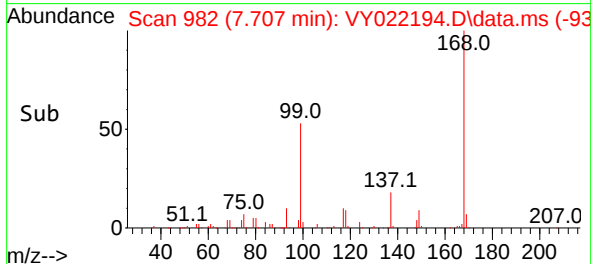
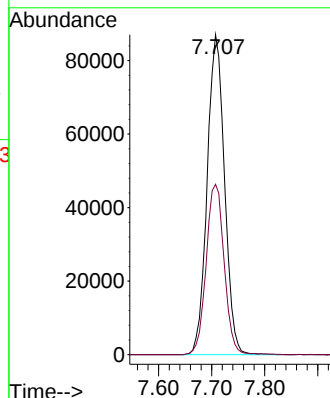
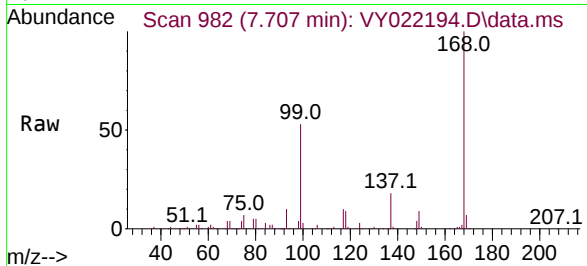




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022194.D
Acq: 07 May 2025 15:43

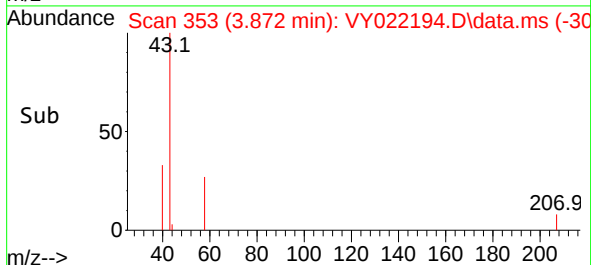
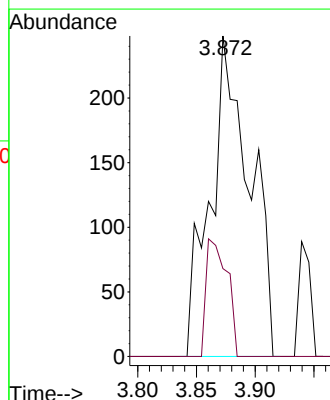
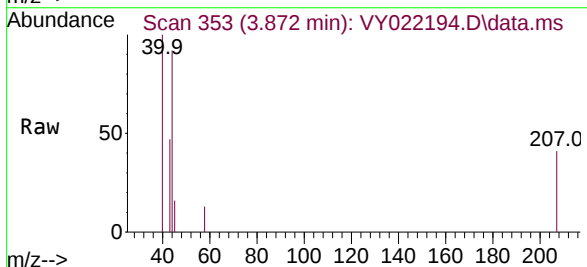
Instrument :
MSVOA_Y
ClientSampleId :
WC-B-7-VOC

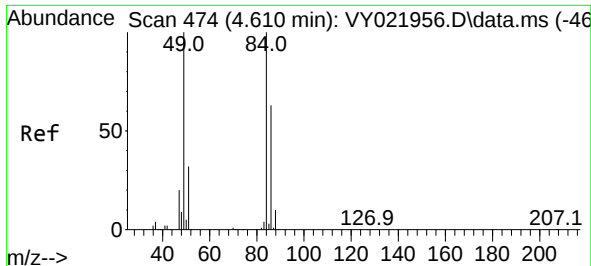
Tgt Ion:168 Resp: 198165
Ion Ratio Lower Upper
168 100
99 53.2 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.872 min Scan# 353
Delta R.T. -0.007 min
Lab File: VY022194.D
Acq: 07 May 2025 15:43

Tgt Ion: 43 Resp: 581
Ion Ratio Lower Upper
43 100
58 27.4 27.0 40.4

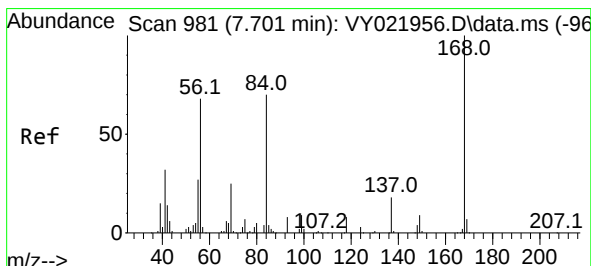
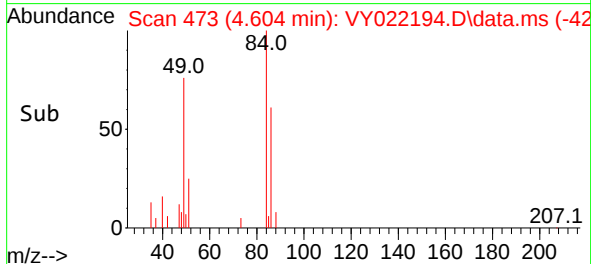
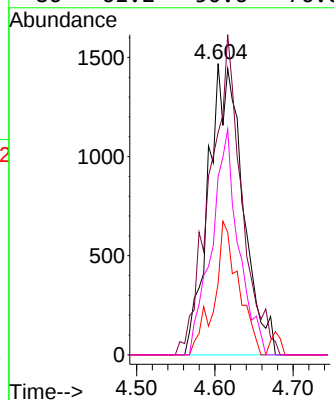
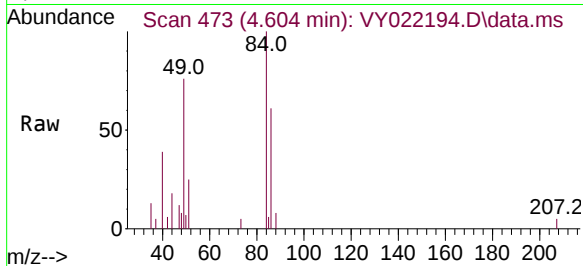




#20
Methylene Chloride
Concen: 1.942 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022194.D
Acq: 07 May 2025 15:43

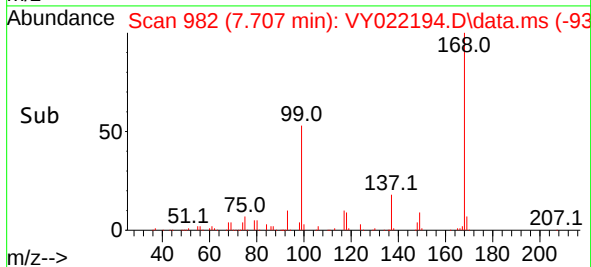
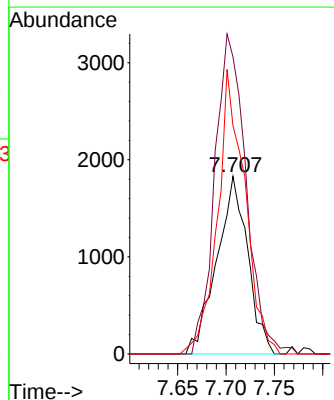
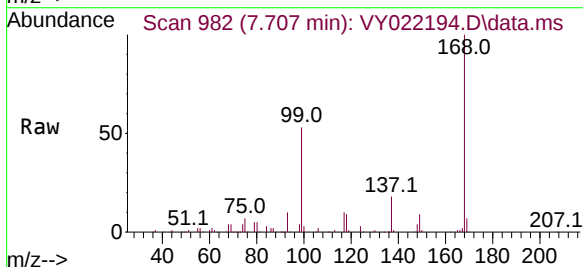
Instrument :
MSVOA_Y
ClientSampleId :
WC-B-7-VOC

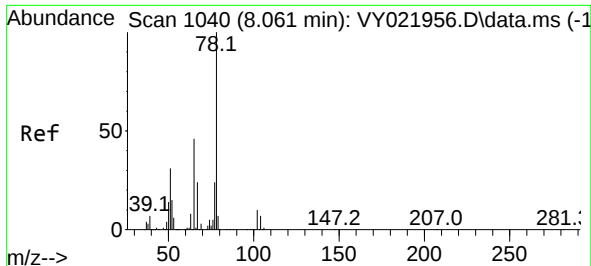
Tgt Ion:	84	Resp:	4495
Ion	Ratio	Lower	Upper
84	100		
49	76.4	79.9	119.9#
51	24.5	25.4	38.0#
86	61.2	50.6	76.0



#31
Cyclohexane
Concen: 1.343 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY022194.D
Acq: 07 May 2025 15:43

Tgt Ion:	56	Resp:	4065
Ion	Ratio	Lower	Upper
56	100		
69	167.2	29.4	44.2#
84	128.4	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 60.812 ug/l

RT: 8.055 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VY022194.D

Acq: 07 May 2025 15:43

Instrument :

MSVOA_Y

ClientSampleId :

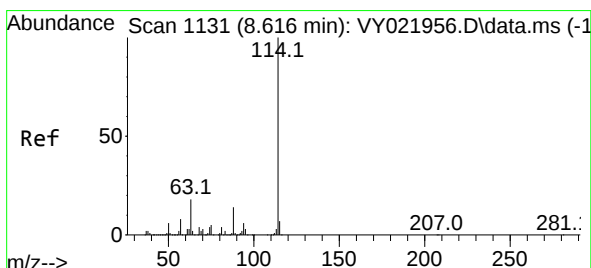
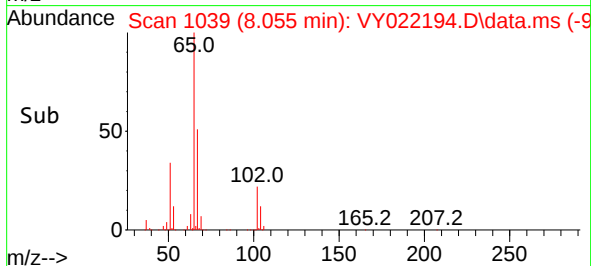
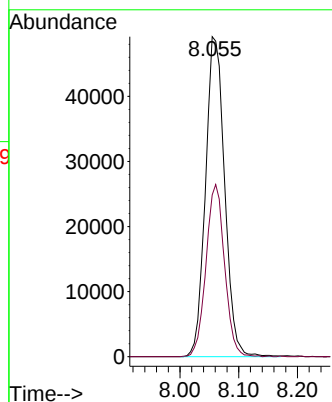
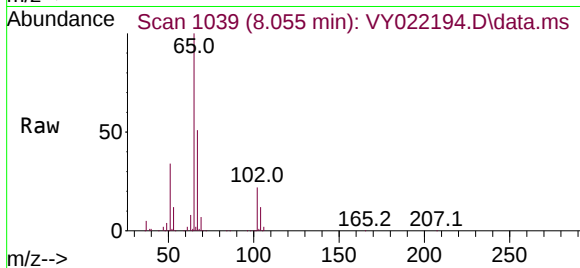
WC-B-7-VOC

Tgt Ion: 65 Resp: 111311

Ion Ratio Lower Upper

65 100

67 52.1 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022194.D

Acq: 07 May 2025 15:43

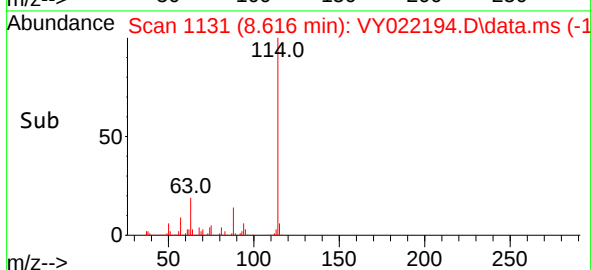
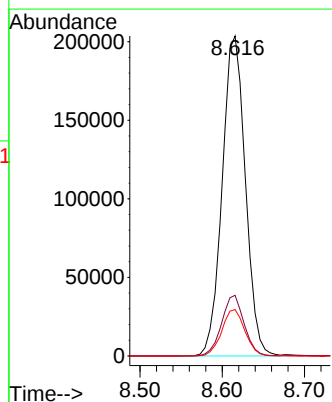
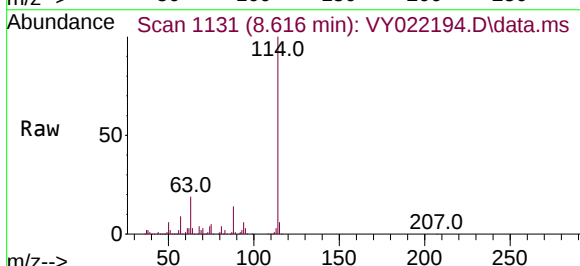
Tgt Ion:114 Resp: 398163

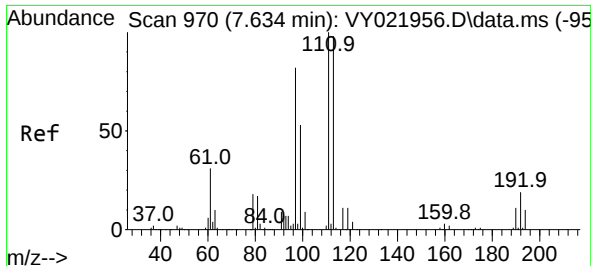
Ion Ratio Lower Upper

114 100

63 18.9 0.0 35.4

88 14.5 0.0 28.2

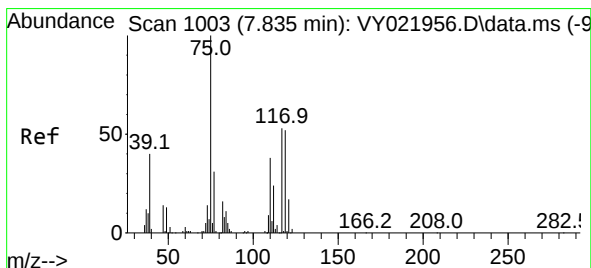
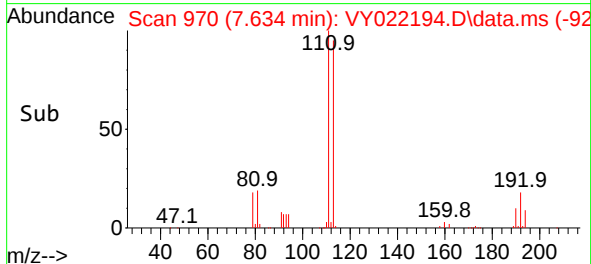
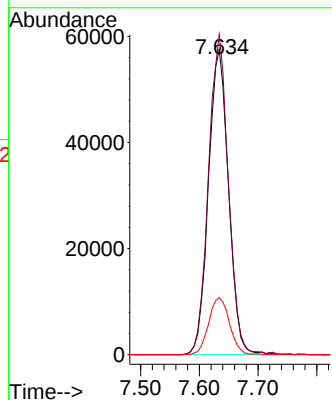
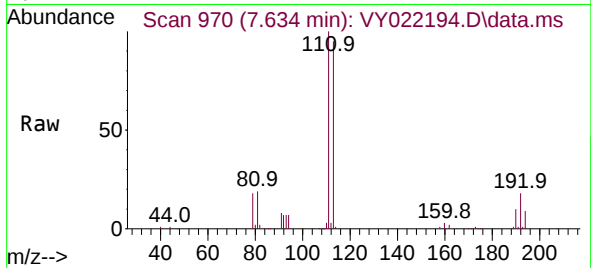




#35
Dibromofluoromethane
Concen: 51.926 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022194.D
Acq: 07 May 2025 15:43

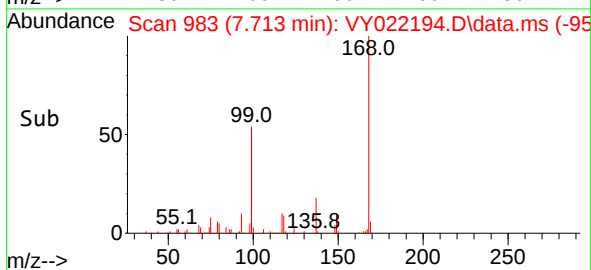
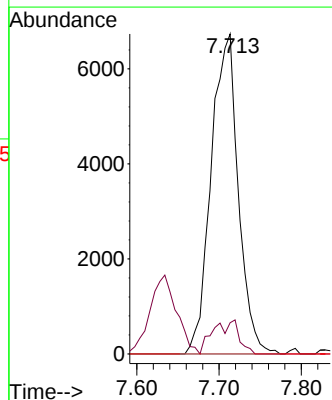
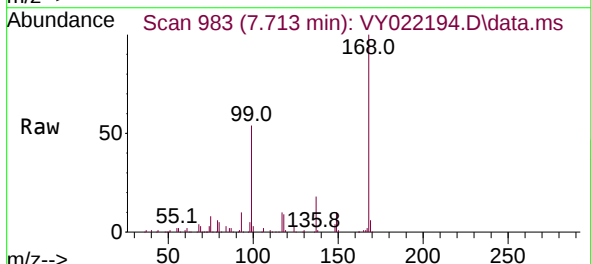
Instrument :
MSVOA_Y
ClientSampleId :
WC-B-7-VOC

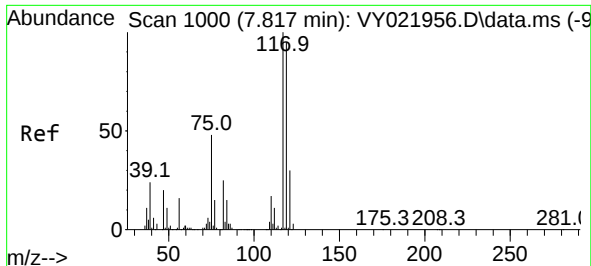
Tgt Ion:113 Resp: 136591
Ion Ratio Lower Upper
113 100
111 103.8 81.8 122.8
192 19.4 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.376 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY022194.D
Acq: 07 May 2025 15:43

Tgt Ion: 75 Resp: 15464
Ion Ratio Lower Upper
75 100
110 5.7 19.1 57.3#
77 0.0 25.5 38.3#

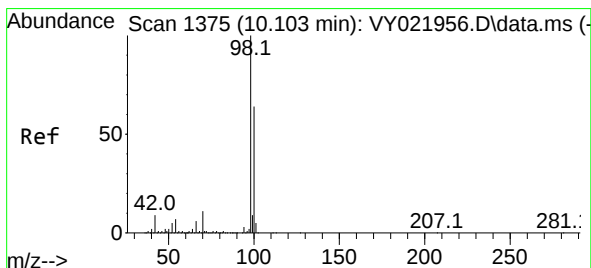
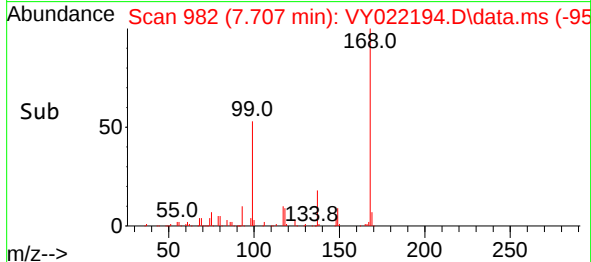
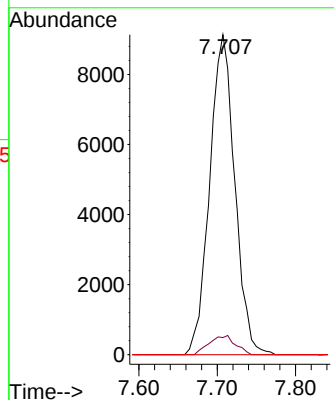
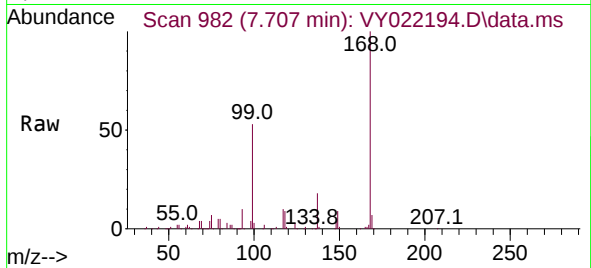




#38
Carbon Tetrachloride
Concen: 4.815 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022194.D
Acq: 07 May 2025 15:43

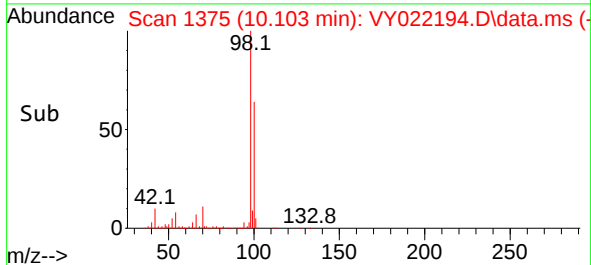
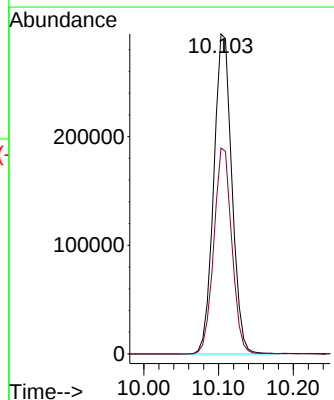
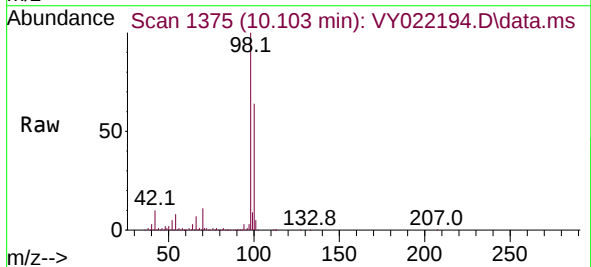
Instrument :
MSVOA_Y
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WC-B-7-VOC

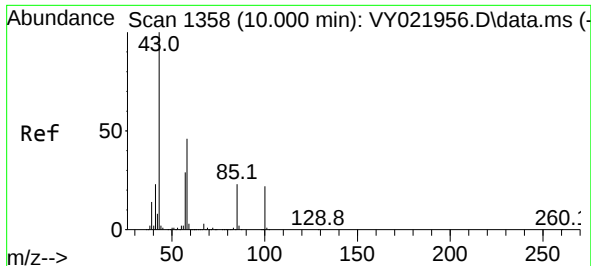
Tgt Ion:117 Resp: 20329
Ion Ratio Lower Upper
117 100
119 5.4 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 50.040 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022194.D
Acq: 07 May 2025 15:43

Tgt Ion: 98 Resp: 496240
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4

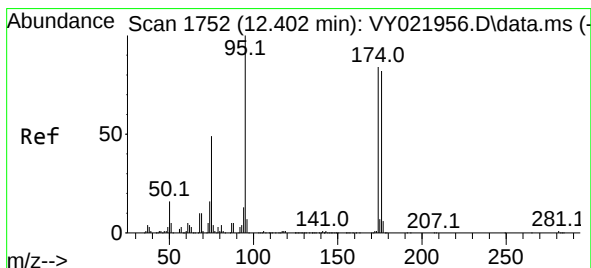
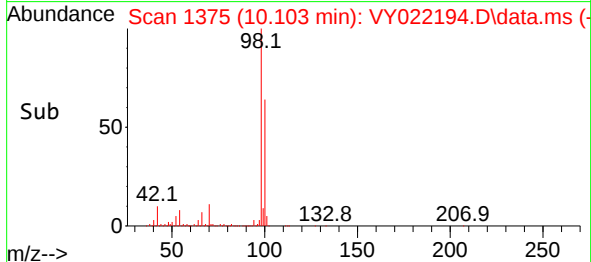
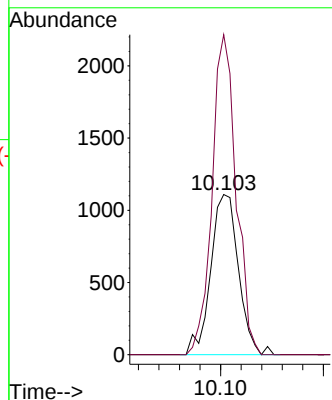
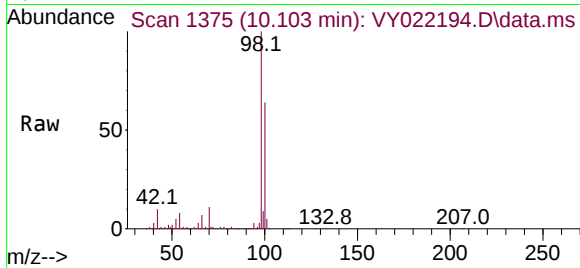




#51
4-Methyl-2-Pentanone
Concen: 1.630 ug/l
RT: 10.103 min Scan# 1358
Delta R.T. 0.104 min
Lab File: VY022194.D
Acq: 07 May 2025 15:43

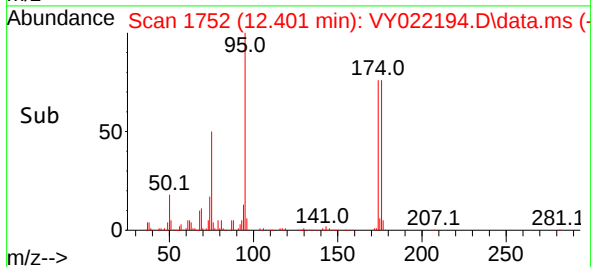
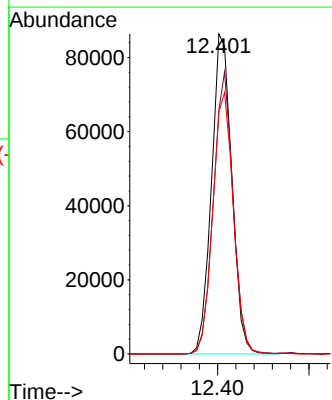
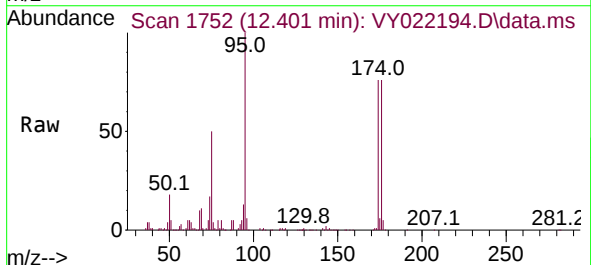
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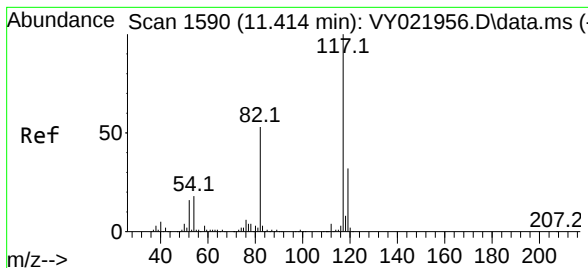
Tgt Ion: 43 Resp: 2082
Ion Ratio Lower Upper
43 100
58 173.3 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 39.825 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022194.D
Acq: 07 May 2025 15:43

Tgt Ion: 95 Resp: 132953
Ion Ratio Lower Upper
95 100
174 85.8 0.0 179.0
176 83.0 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022194.D

Acq: 07 May 2025 15:43

Instrument :

MSVOA_Y

ClientSampleId :

WC-B-7-VOC

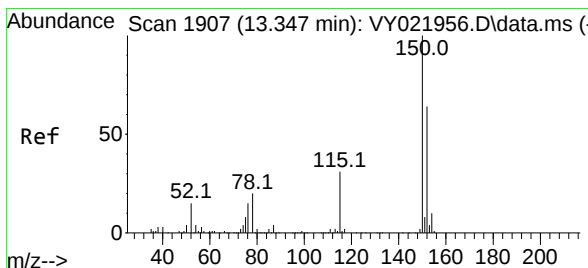
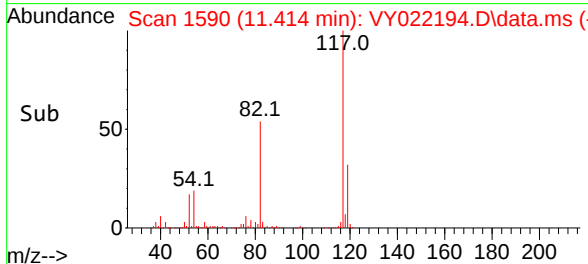
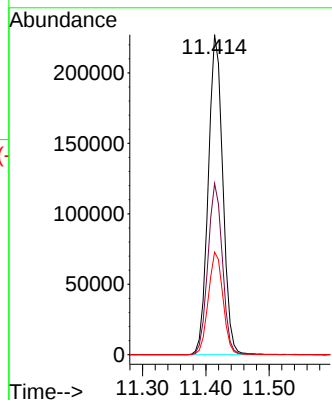
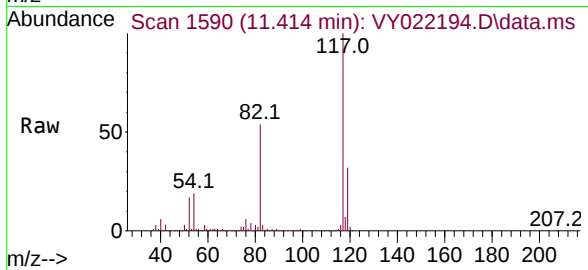
Tgt Ion:117 Resp: 363114

Ion Ratio Lower Upper

117 100

82 53.5 42.1 63.1

119 32.1 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022194.D

Acq: 07 May 2025 15:43

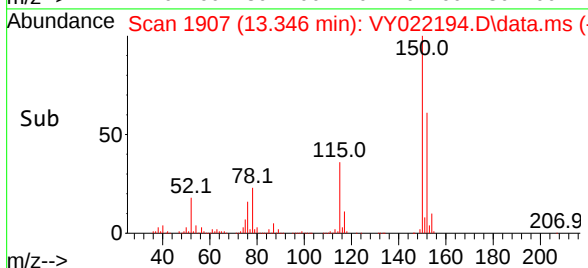
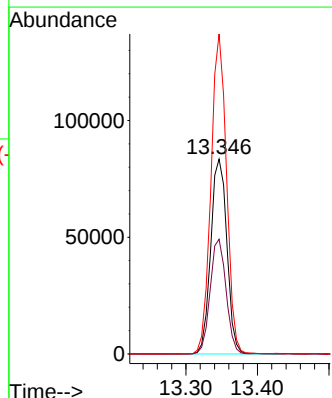
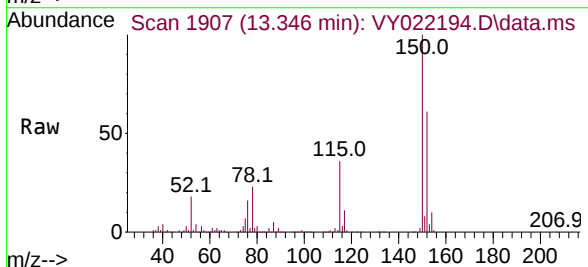
Tgt Ion:152 Resp: 131004

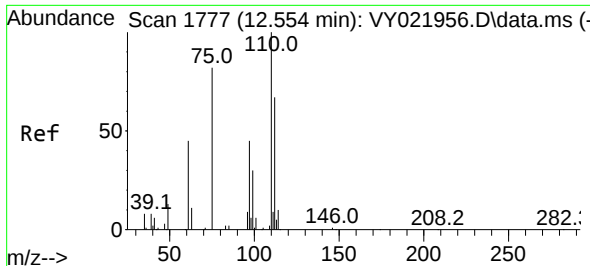
Ion Ratio Lower Upper

152 100

115 58.1 28.0 84.0

150 158.0 0.0 345.6

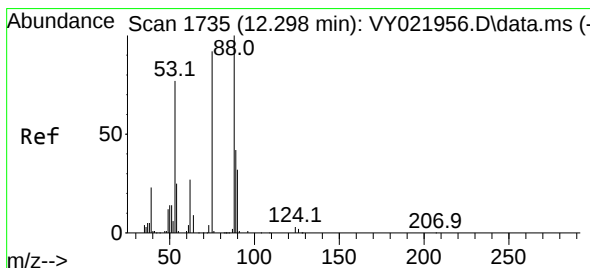
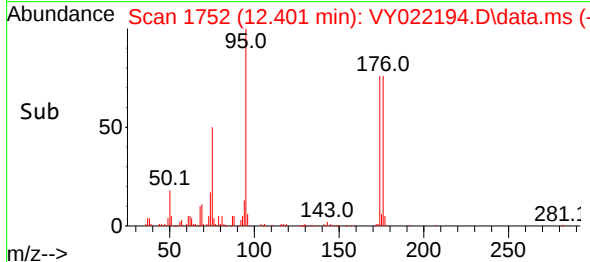
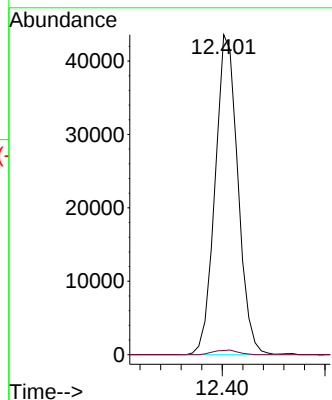
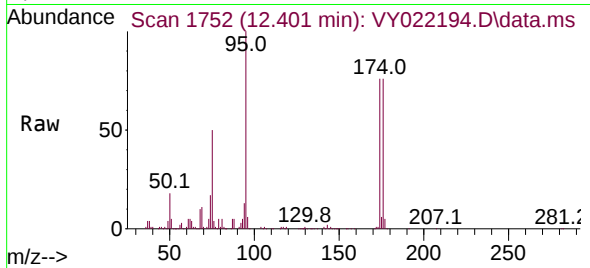




#76
1,2,3-Trichloropropane
Concen: 59.697 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022194.D
Acq: 07 May 2025 15:43

Instrument :
MSVOA_Y
ClientSampleId :
WC-B-7-VOC

Tgt Ion: 75 Resp: 66987
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 143.760 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY022194.D
Acq: 07 May 2025 15:43

Tgt Ion: 75 Resp: 66987
Ion Ratio Lower Upper
75 100
53 0.3 66.0 99.0#
89 0.0 37.2 55.8#

