

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023575.D
 Acq On : 24 Oct 2025 16:01
 Operator : SY/MD
 Sample : Q3452-03
 Misc : 4.48g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 JB-1-VOC

Quant Time: Oct 24 23:53:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	804116	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1320571	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1080404	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	430520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	328900	48.913	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.820%		
35) Dibromofluoromethane	7.640	113	409419	50.457	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.920%		
50) Toluene-d8	10.109	98	1460028	48.316	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.640%		
62) 4-Bromofluorobenzene	12.408	95	394981	39.591	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	79.180%		
Target Compounds						Qvalue
20) Methylene Chloride	4.622	84	15969	1.845	ug/l	93
31) Cyclohexane	7.719	56	12505	1.118	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	50171	4.670	ug/l #	49
38) Carbon Tetrachloride	7.713	117	71109	5.459	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	4669	1.065	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	189955	50.010	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	189955	122.634	ug/l #	14

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

Quant Time: Oct 24 23:53:36 2025
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Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

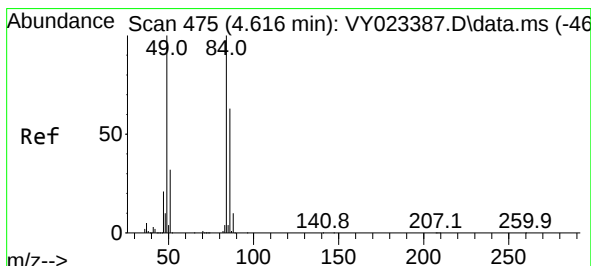
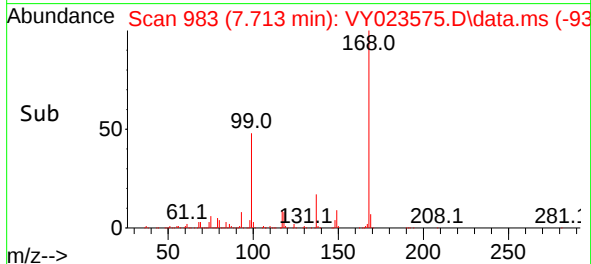
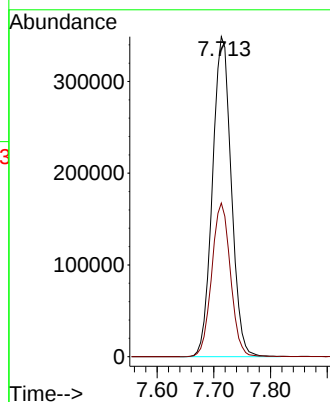
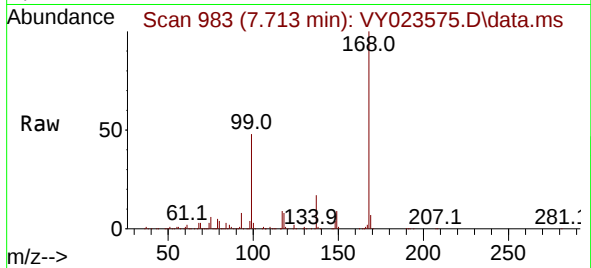




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023575.D
Acq: 24 Oct 2025 16:01

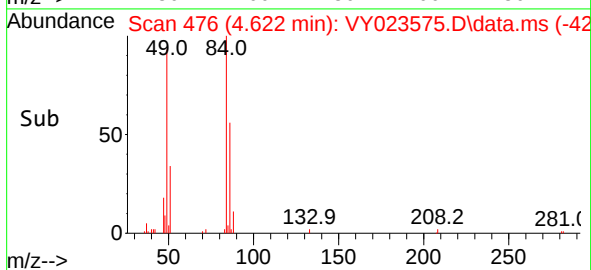
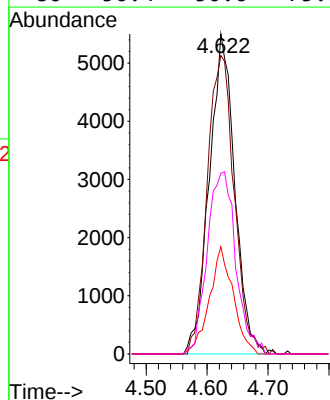
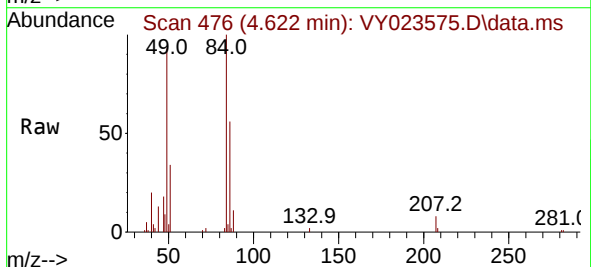
Instrument :
MSVOA_Y
ClientSampleId :
JB-1-VOC

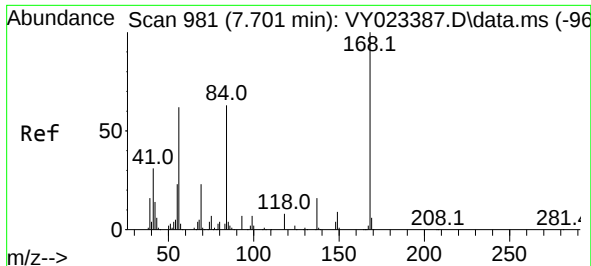
Tgt Ion:168 Resp: 804116
Ion Ratio Lower Upper
168 100
99 48.0 39.7 59.5



#20
Methylene Chloride
Concen: 1.845 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023575.D
Acq: 24 Oct 2025 16:01

Tgt Ion: 84 Resp: 15969
Ion Ratio Lower Upper
84 100
49 93.2 80.2 120.4
51 33.5 25.9 38.9
86 56.4 50.6 75.8

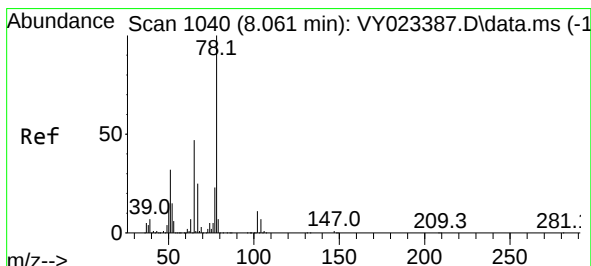
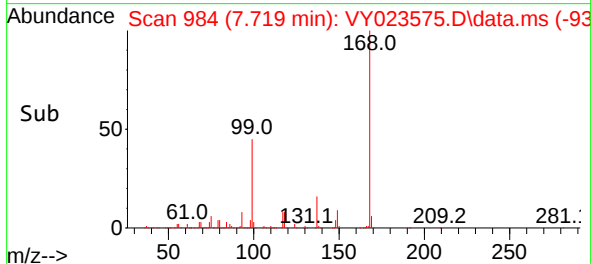
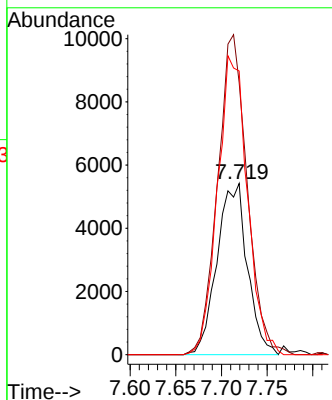
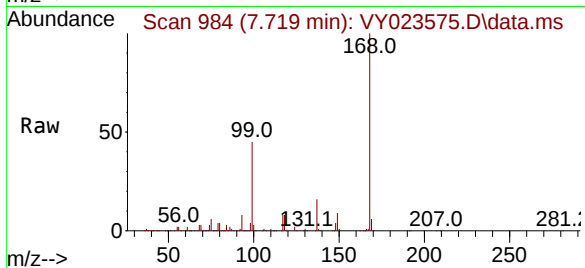




#31
Cyclohexane
Concen: 1.118 ug/l
RT: 7.719 min Scan# 981
Delta R.T. 0.018 min
Lab File: VY023575.D
Acq: 24 Oct 2025 16:01

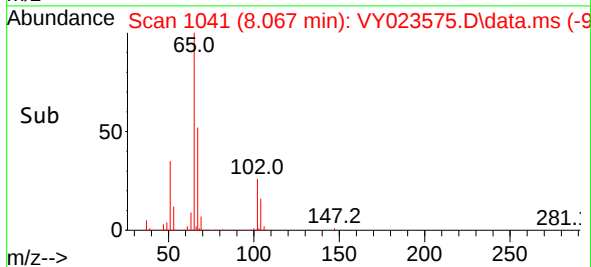
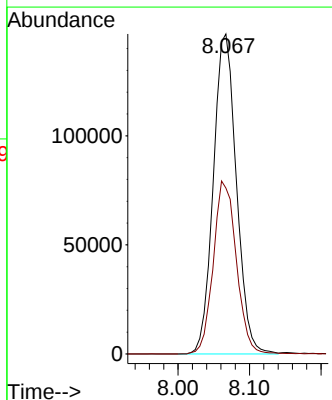
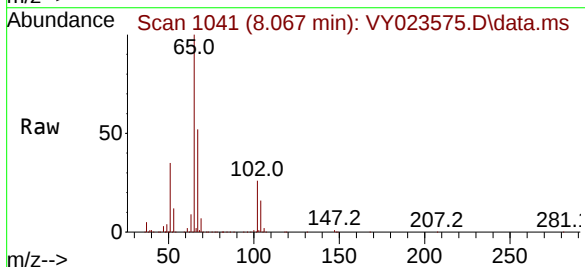
Instrument :
MSVOA_Y
ClientSampleId :
JB-1-VOC

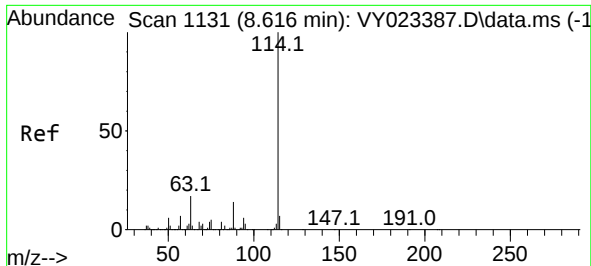
Tgt Ion: 56 Resp: 12505
Ion Ratio Lower Upper
56 100
69 158.9 30.0 45.0#
84 165.7 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 48.913 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023575.D
Acq: 24 Oct 2025 16:01

Tgt Ion: 65 Resp: 328900
Ion Ratio Lower Upper
65 100
67 54.0 0.0 105.8

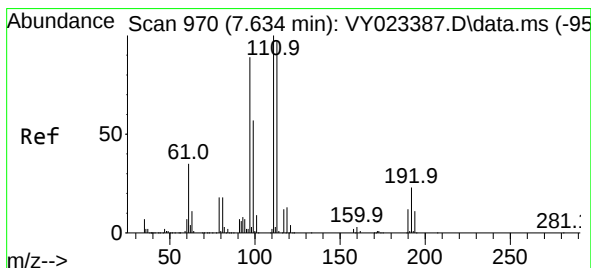
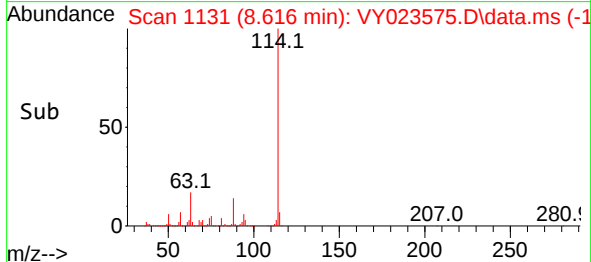
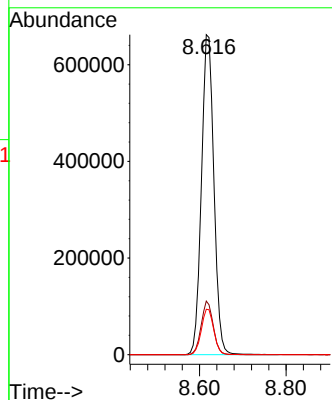
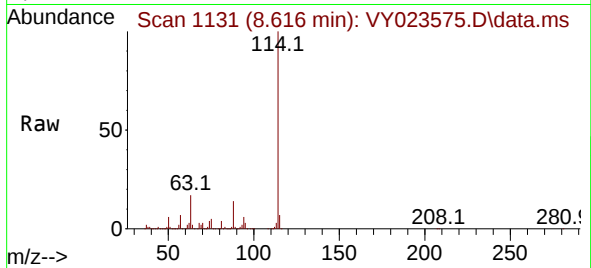




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023575.D
Acq: 24 Oct 2025 16:01

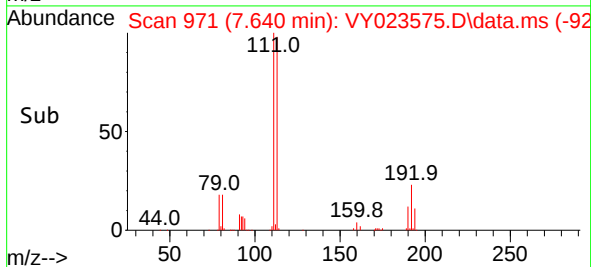
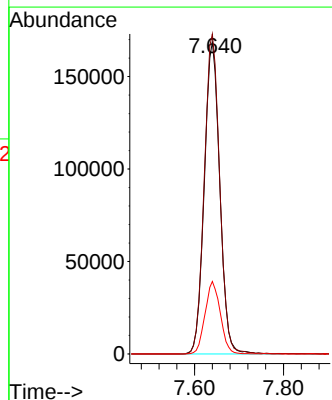
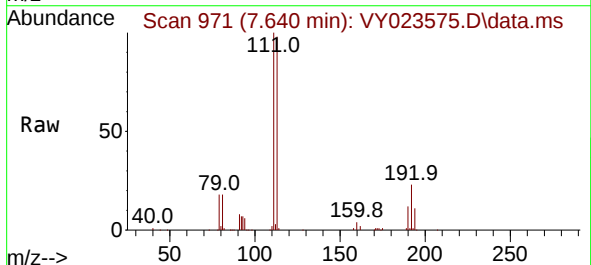
Instrument :
MSVOA_Y
ClientSampleId :
JB-1-VOC

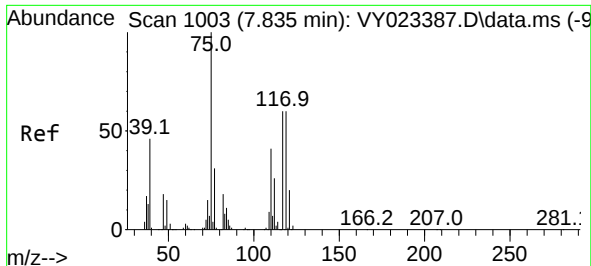
Tgt Ion:114 Resp: 1320571
Ion Ratio Lower Upper
114 100
63 16.8 0.0 34.2
88 14.2 0.0 28.4



#35
Dibromofluoromethane
Concen: 50.457 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023575.D
Acq: 24 Oct 2025 16:01

Tgt Ion:113 Resp: 409419
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.6
192 23.0 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.670 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY023575.D

Acq: 24 Oct 2025 16:01

Instrument :

MSVOA_Y

ClientSampleId :

JB-1-VOC

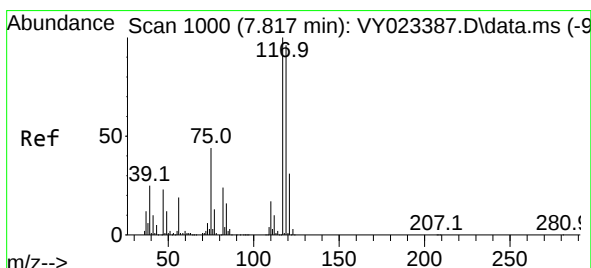
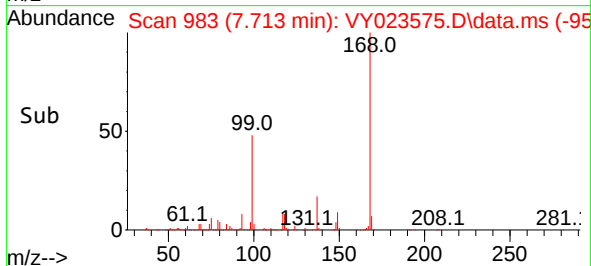
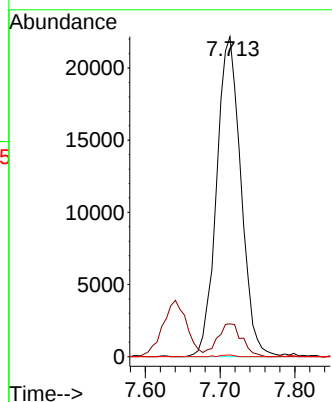
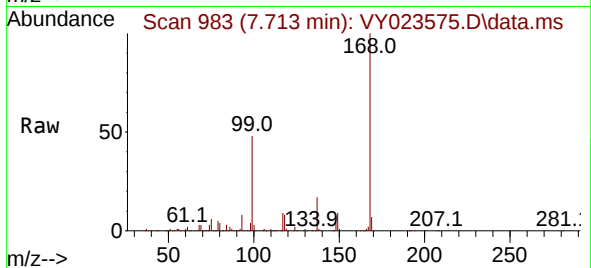
Tgt Ion: 75 Resp: 50171

Ion Ratio Lower Upper

75 100

110 10.4 19.9 59.7#

77 0.3 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.459 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023575.D

Acq: 24 Oct 2025 16:01

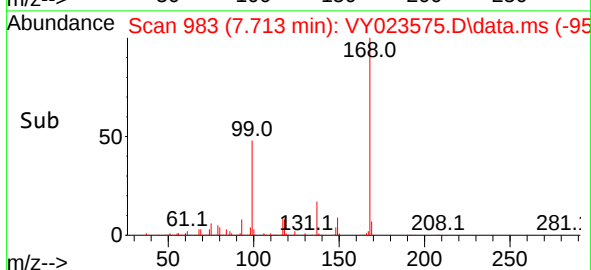
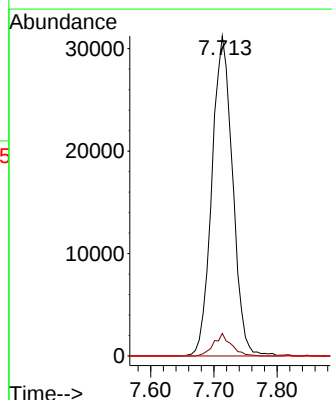
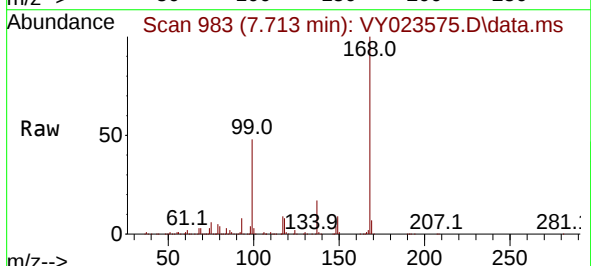
Tgt Ion: 117 Resp: 71109

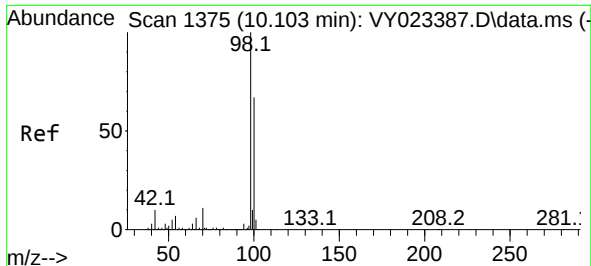
Ion Ratio Lower Upper

117 100

119 7.0 76.8 115.2#

121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 48.316 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023575.D

Acq: 24 Oct 2025 16:01

Instrument :

MSVOA_Y

ClientSampleId :

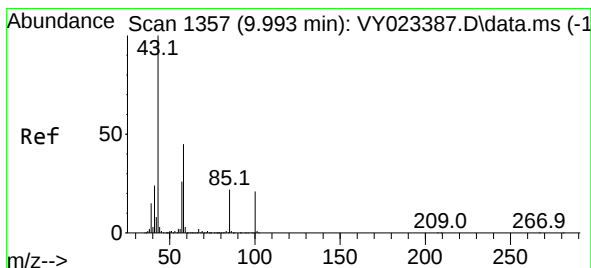
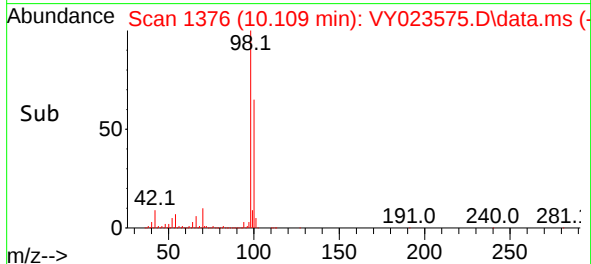
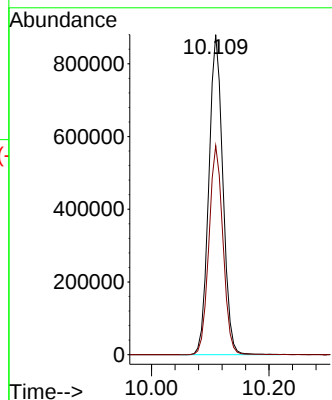
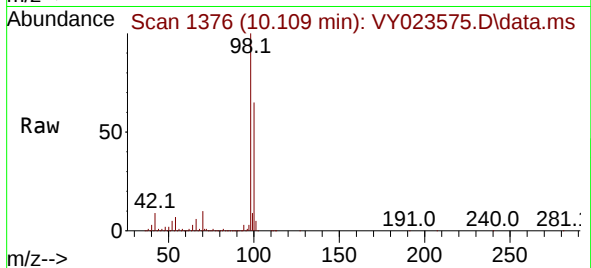
JB-1-VOC

Tgt Ion: 98 Resp: 1460028

Ion Ratio Lower Upper

98 100

100 65.2 53.0 79.4



#51

4-Methyl-2-Pentanone

Concen: 1.065 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.110 min

Lab File: VY023575.D

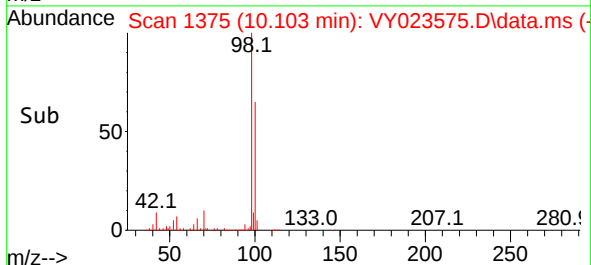
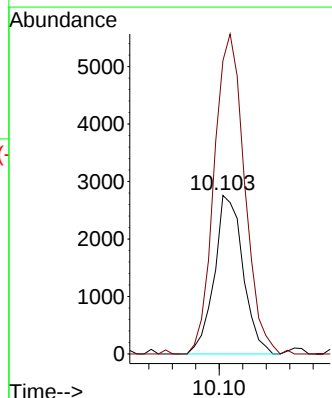
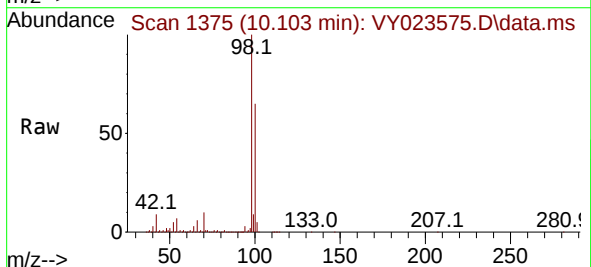
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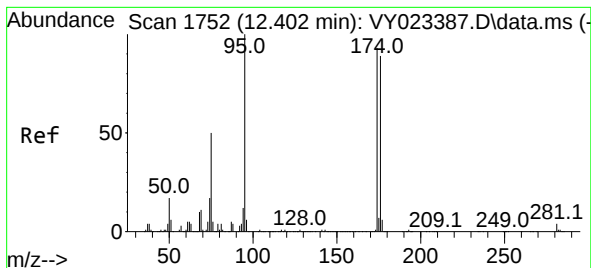
Tgt Ion: 43 Resp: 4669

Ion Ratio Lower Upper

43 100

58 214.5 35.3 52.9#

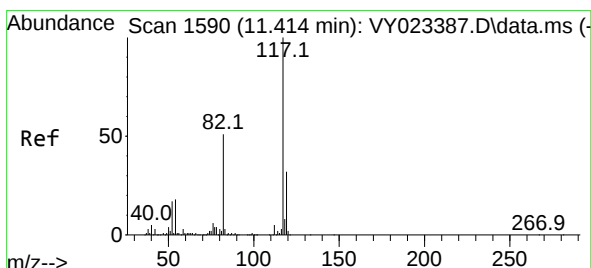
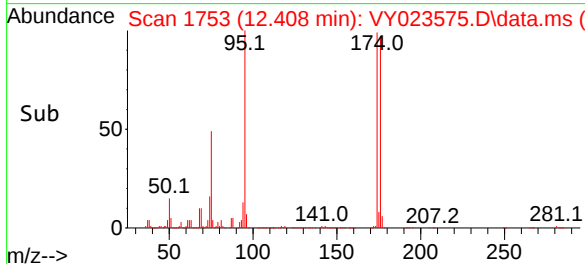
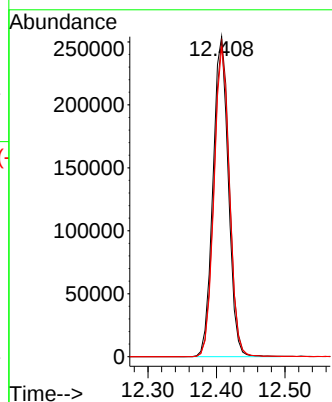
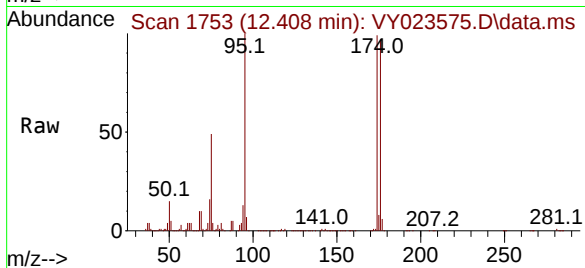




#62
4-Bromofluorobenzene
Concen: 39.591 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023575.D
Acq: 24 Oct 2025 16:01

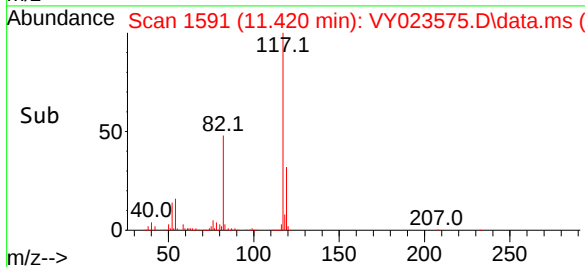
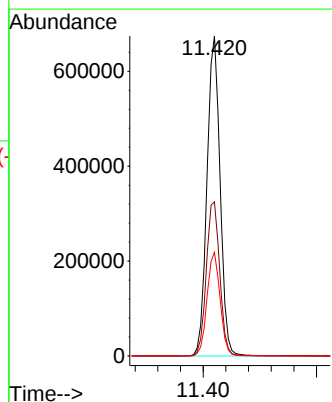
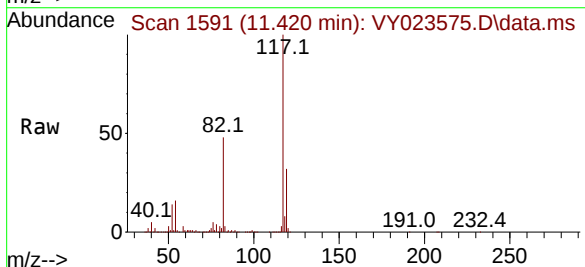
Instrument :
MSVOA_Y
ClientSampleId :
JB-1-VOC

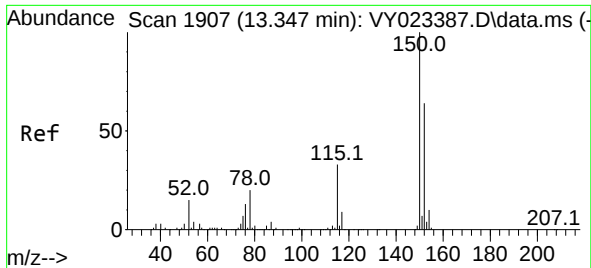
Tgt Ion: 95 Resp: 394981
Ion Ratio Lower Upper
95 100
174 100.1 0.0 192.8
176 96.4 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023575.D
Acq: 24 Oct 2025 16:01

Tgt Ion: 117 Resp: 1080404
Ion Ratio Lower Upper
117 100
82 48.2 41.0 61.4
119 32.4 25.6 38.4

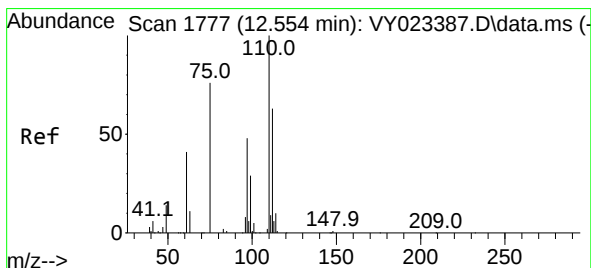
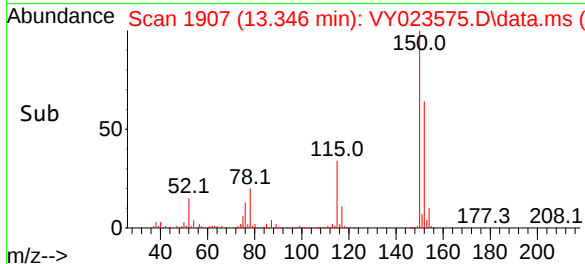
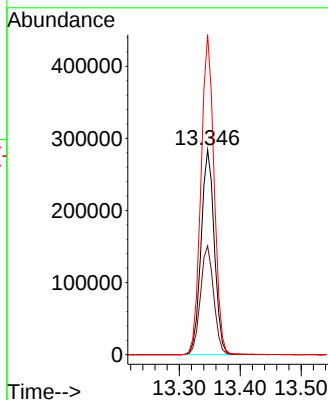
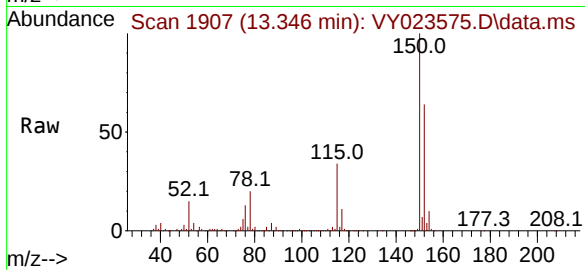




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY023575.D
 Acq: 24 Oct 2025 16:01

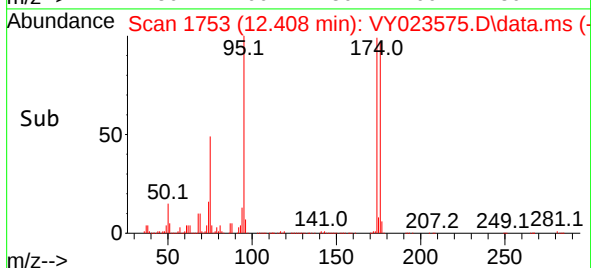
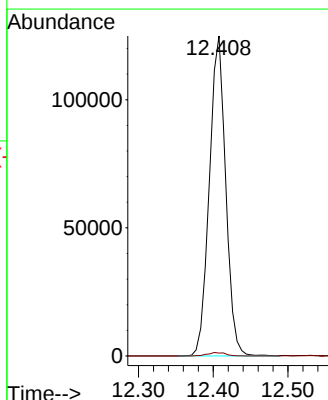
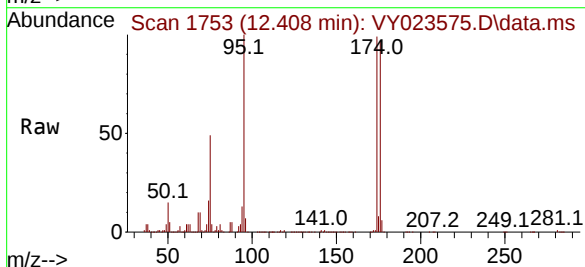
Instrument :
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 JB-1-VOC

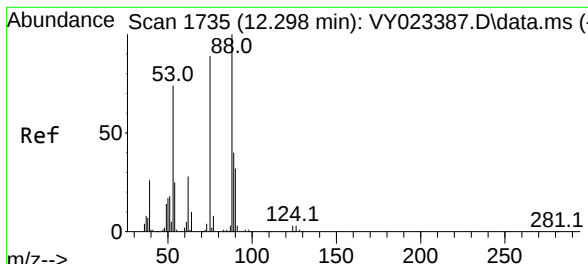
Tgt Ion:152 Resp: 430520
 Ion Ratio Lower Upper
 152 100
 115 53.3 27.1 81.2
 150 154.7 0.0 347.4



#76
 1,2,3-Trichloropropane
 Concen: 50.010 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY023575.D
 Acq: 24 Oct 2025 16:01

Tgt Ion: 75 Resp: 189955
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.634 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023575.D
 Acq: 24 Oct 2025 16:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 JB-1-VOC

Tgt Ion: 75 Resp: 189955
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.6 102.8#
 89 0.0 39.0 58.4#

