

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023579.D
 Acq On : 24 Oct 2025 17:35
 Operator : SY/MD
 Sample : Q3460-15
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-4-VOC

Quant Time: Oct 24 23:55:29 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)

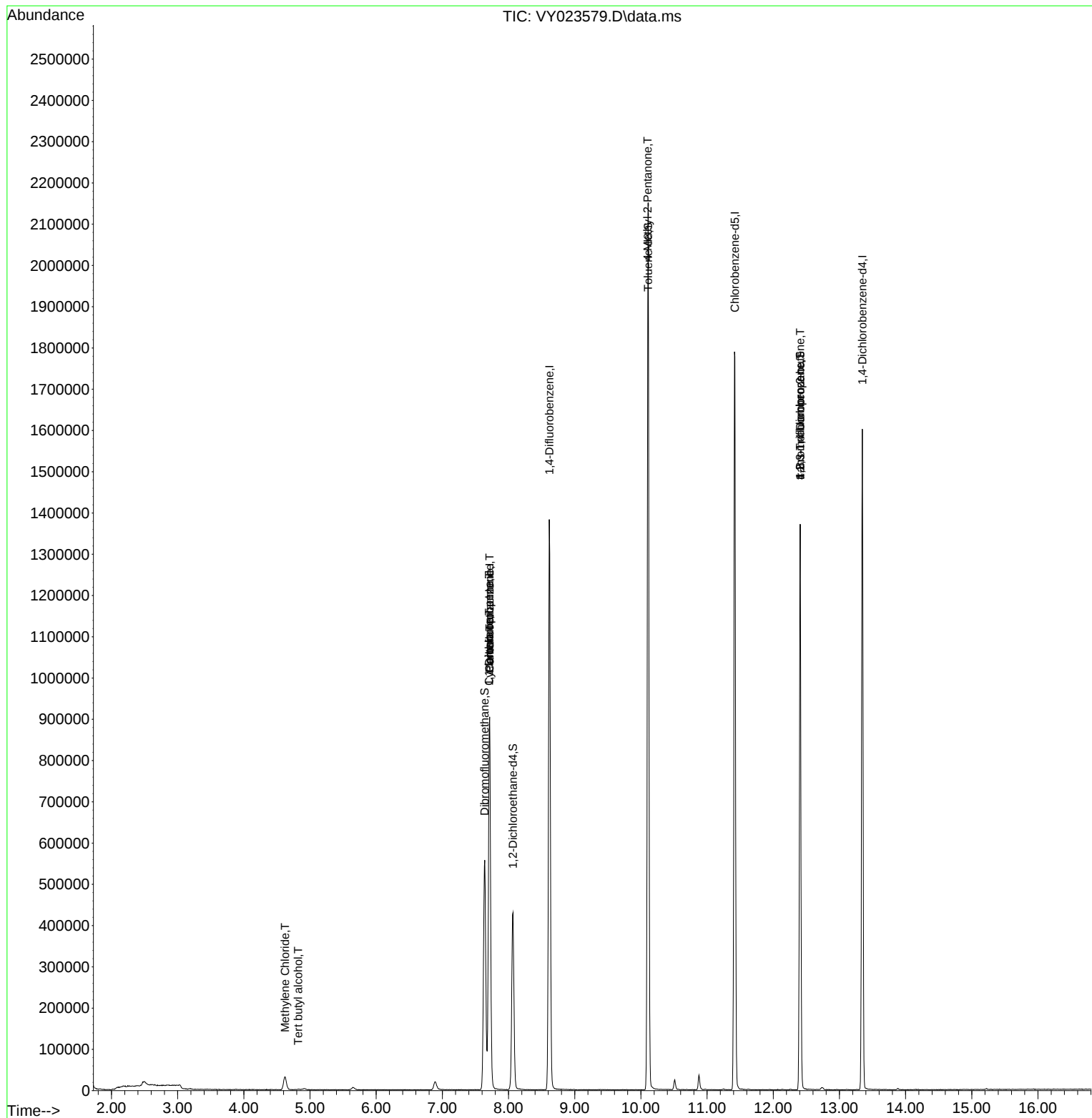
Internal Standards						
1) Pentafluorobenzene	7.713	168	775694	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1277412	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1068525	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	434746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	339772	52.382	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.760%	
35) Dibromofluoromethane	7.640	113	400301	51.000	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.000%	
50) Toluene-d8	10.109	98	1425613	48.771	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.540%	
62) 4-Bromofluorobenzene	12.408	95	397497	41.189	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.380%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.824	59	1402	2.905	ug/l #	72
20) Methylene Chloride	4.622	84	25990	3.112	ug/l	94
31) Cyclohexane	7.707	56	12290	1.139	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	47828	4.603	ug/l #	48
38) Carbon Tetrachloride	7.713	117	70740	5.614	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	4688	1.105	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	191673	49.972	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	191673	122.540	ug/l #	15

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

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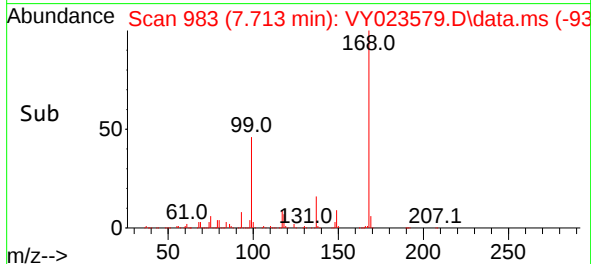
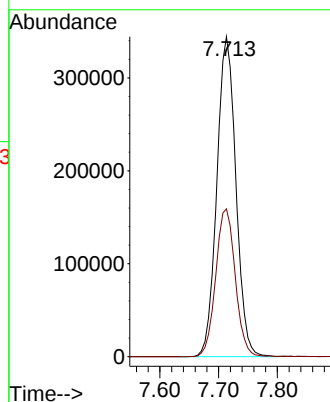
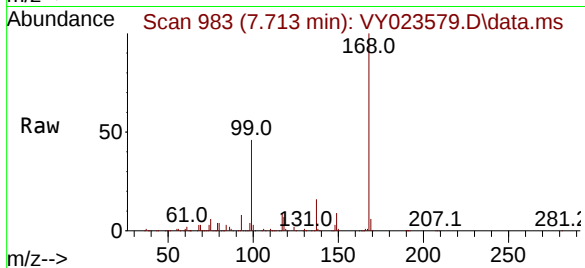




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023579.D
Acq: 24 Oct 2025 17:35

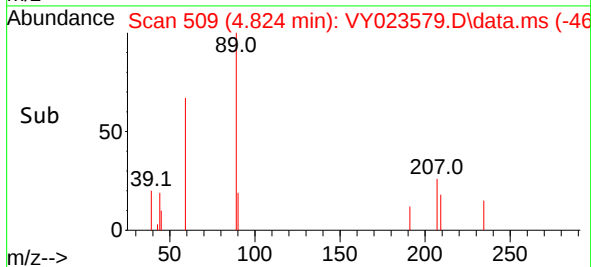
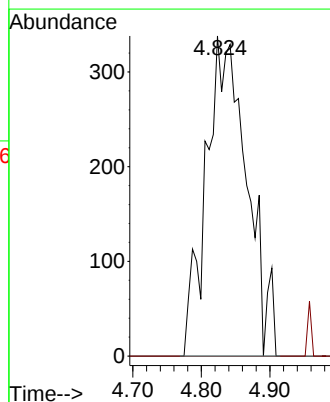
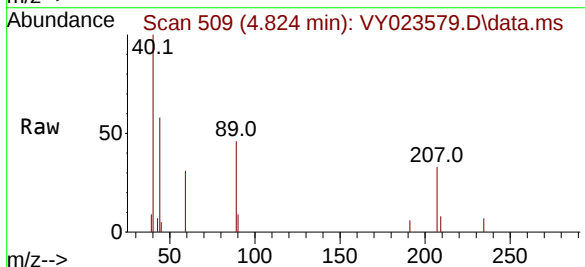
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

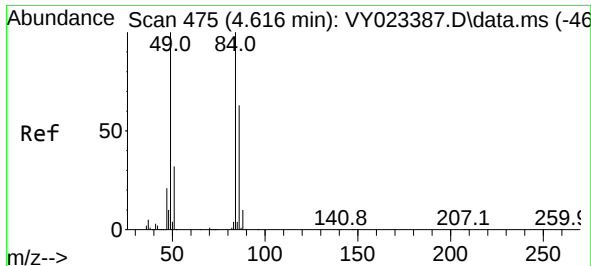
Tgt Ion:168 Resp: 775694
Ion Ratio Lower Upper
168 100
99 46.2 39.7 59.5



#11
Tert butyl alcohol
Concen: 2.905 ug/l
RT: 4.824 min Scan# 509
Delta R.T. -0.037 min
Lab File: VY023579.D
Acq: 24 Oct 2025 17:35

Tgt Ion: 59 Resp: 1402
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

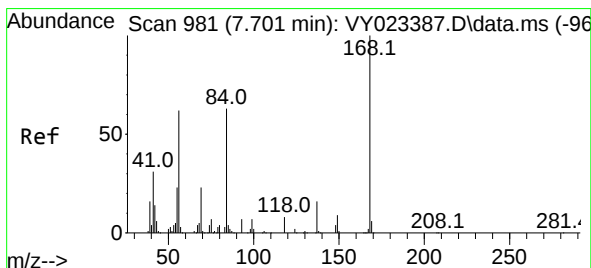
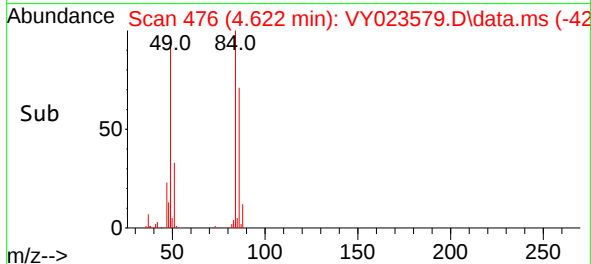
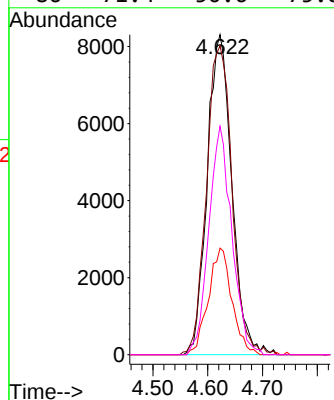
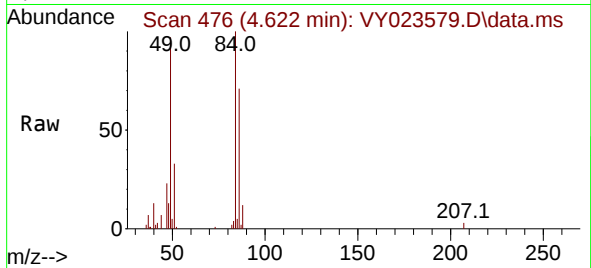




#20
Methylene Chloride
Concen: 3.112 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023579.D
Acq: 24 Oct 2025 17:35

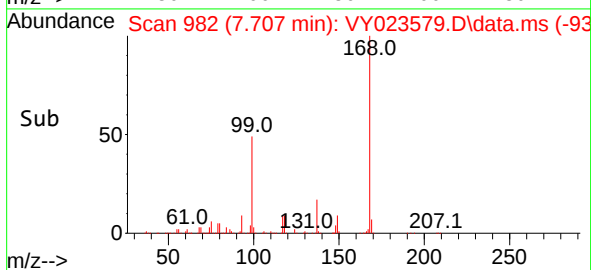
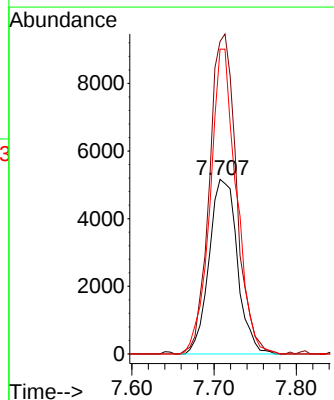
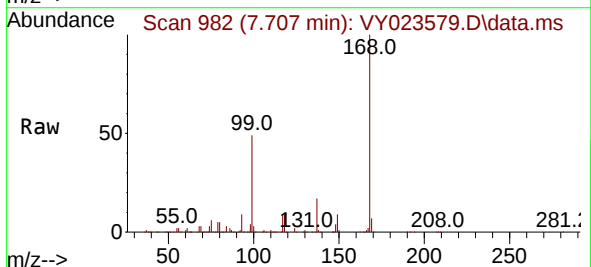
Instrument :
MSVOA_Y
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WC-4-VOC

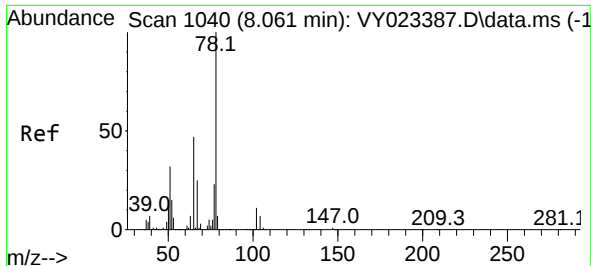
Tgt Ion:	84	Resp:	25990
Ion	Ratio	Lower	Upper
84	100		
49	96.5	80.2	120.4
51	33.3	25.9	38.9
86	71.4	50.6	75.8



#31
Cyclohexane
Concen: 1.139 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023579.D
Acq: 24 Oct 2025 17:35

Tgt Ion:	56	Resp:	12290
Ion	Ratio	Lower	Upper
56	100		
69	179.1	30.0	45.0#
84	174.7	81.2	121.8#





#33

1,2-Dichloroethane-d4

Concen: 52.382 ug/l

RT: 8.067 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023579.D

Acq: 24 Oct 2025 17:35

Instrument :

MSVOA_Y

ClientSampleId :

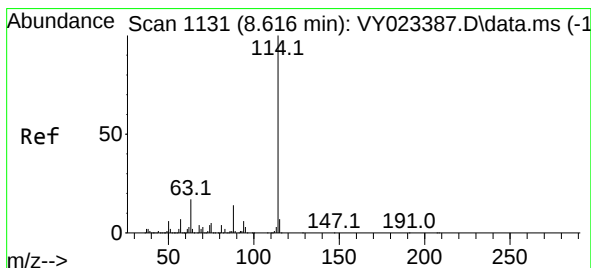
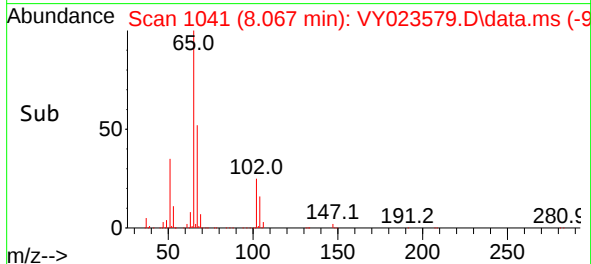
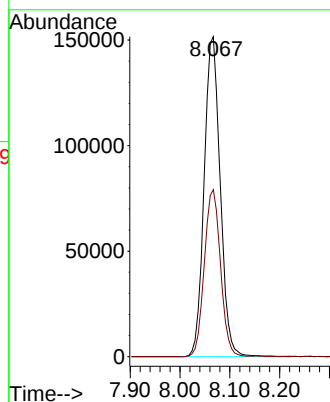
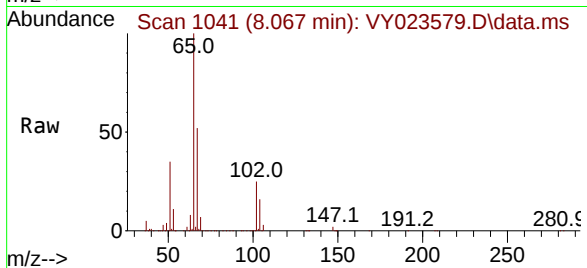
WC-4-VOC

Tgt Ion: 65 Resp: 339772

Ion Ratio Lower Upper

65 100

67 52.5 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: VY023579.D

Acq: 24 Oct 2025 17:35

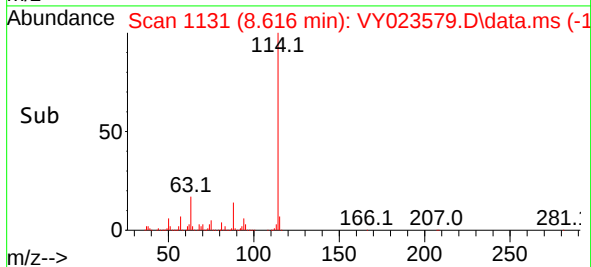
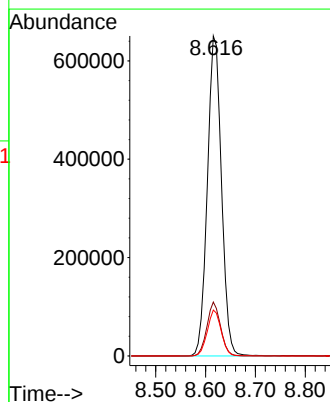
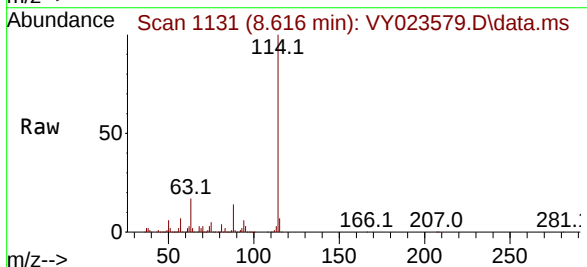
Tgt Ion: 114 Resp: 1277412

Ion Ratio Lower Upper

114 100

63 16.9 0.0 34.2

88 14.4 0.0 28.4

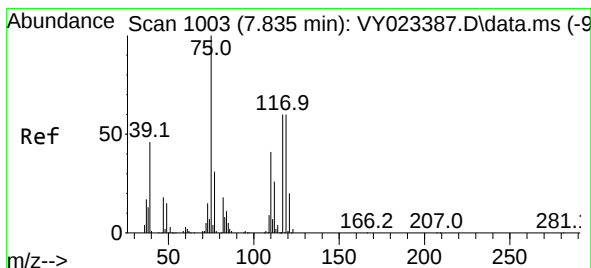
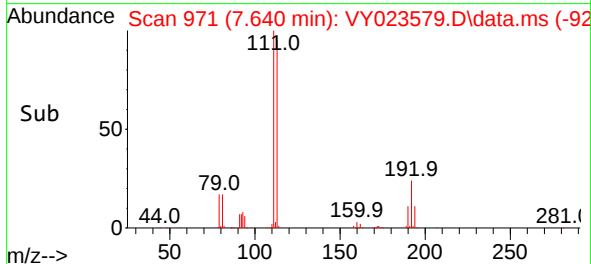
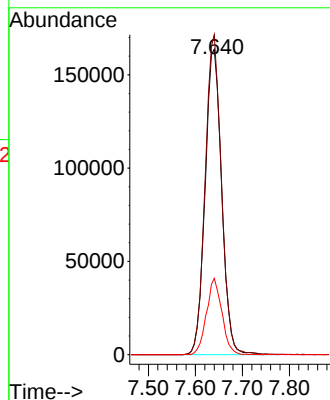
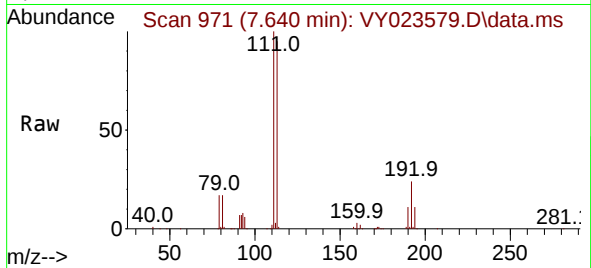




#35
Dibromofluoromethane
Concen: 51.000 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023579.D
Acq: 24 Oct 2025 17:35

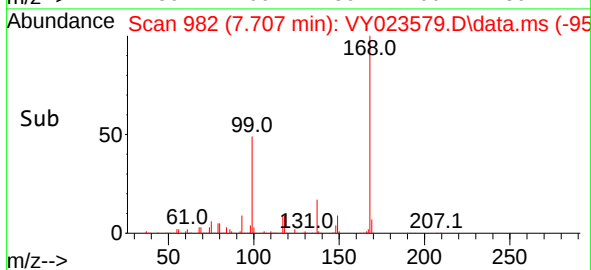
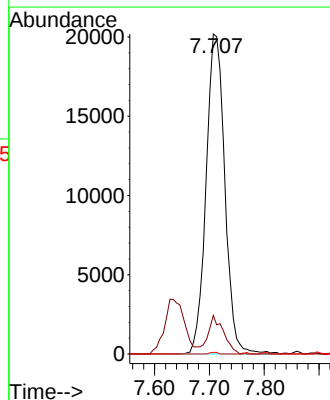
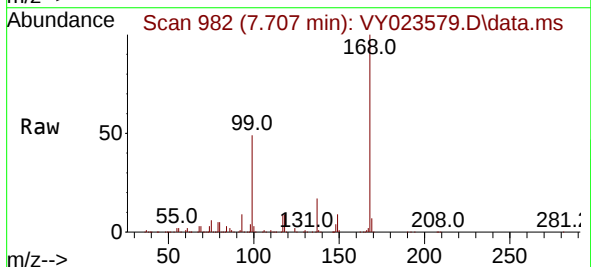
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

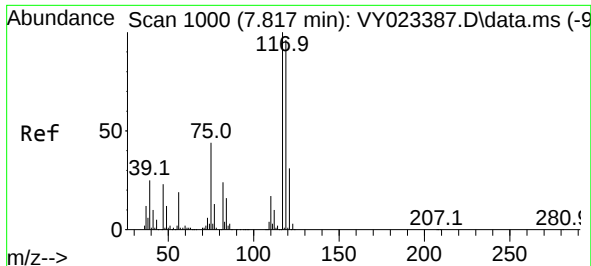
Tgt Ion:113 Resp: 400301
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.6
192 23.3 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.603 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023579.D
Acq: 24 Oct 2025 17:35

Tgt Ion: 75 Resp: 47828
Ion Ratio Lower Upper
75 100
110 10.2 19.9 59.7#
77 0.2 25.0 37.6#

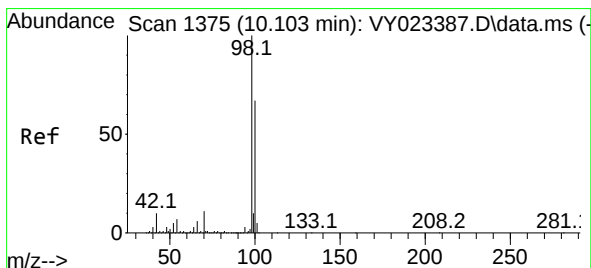
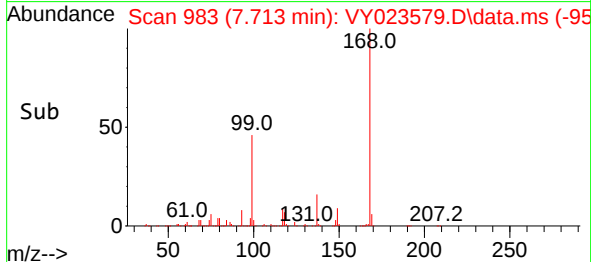
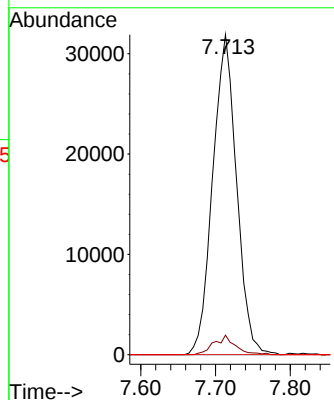
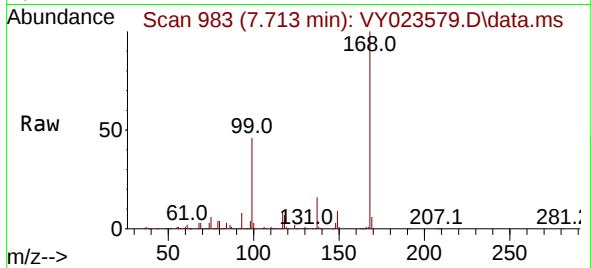




#38
Carbon Tetrachloride
Concen: 5.614 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023579.D
Acq: 24 Oct 2025 17:35

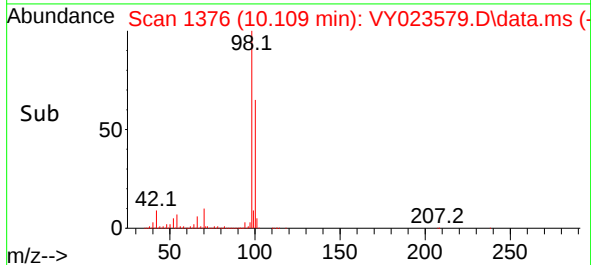
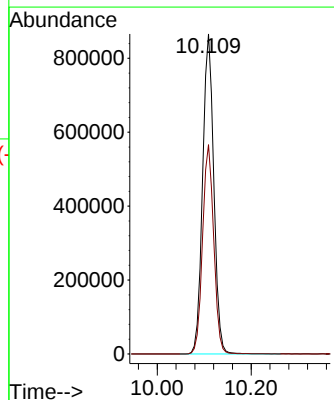
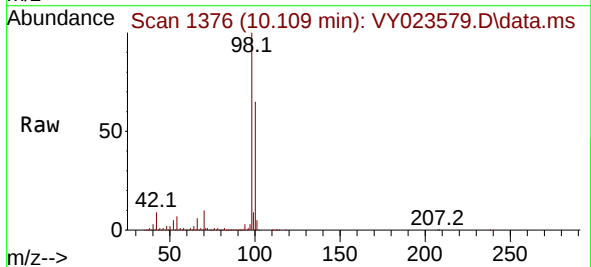
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

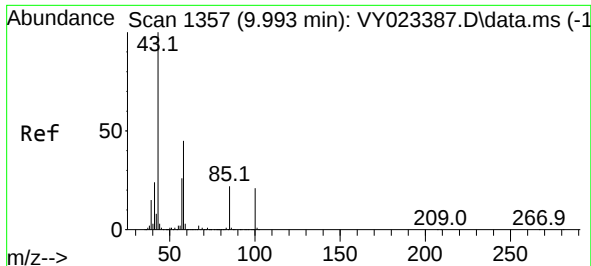
Tgt Ion:117 Resp: 70740
Ion Ratio Lower Upper
117 100
119 6.1 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.771 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023579.D
Acq: 24 Oct 2025 17:35

Tgt Ion: 98 Resp: 1425613
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4

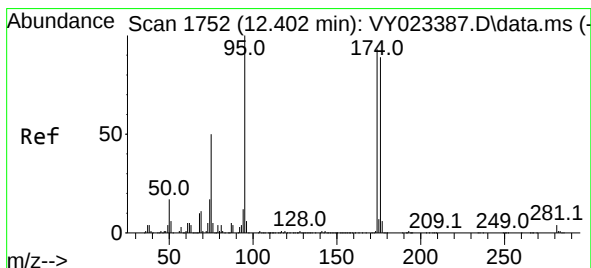
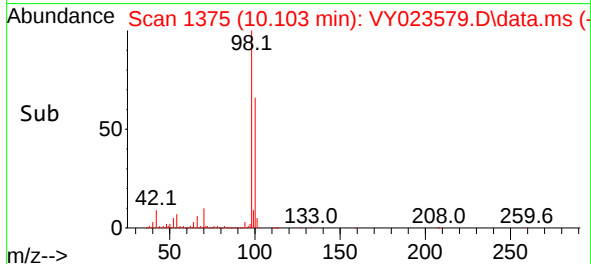
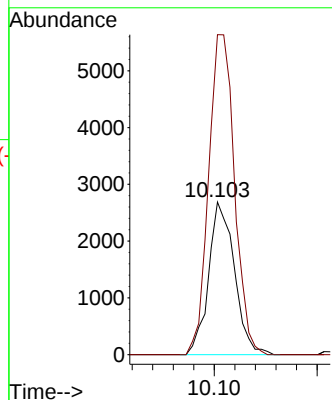
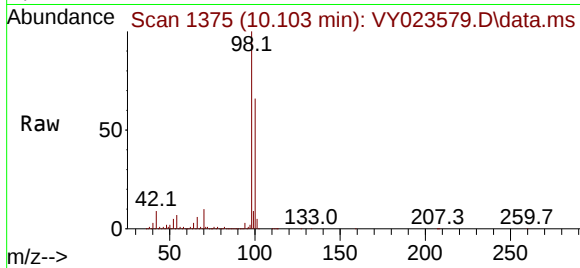




#51
4-Methyl-2-Pentanone
Concen: 1.105 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY023579.D
Acq: 24 Oct 2025 17:35

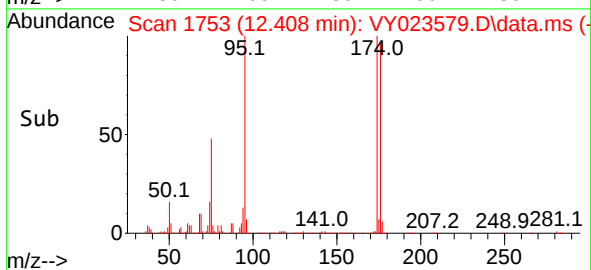
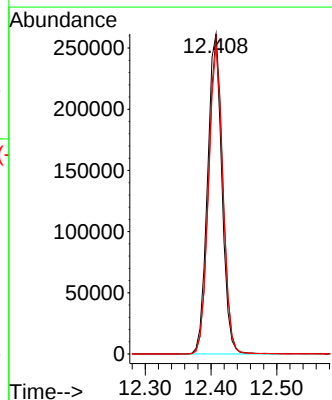
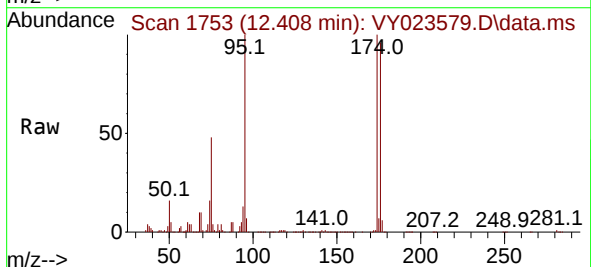
Instrument :
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ClientSampleId :
WC-4-VOC

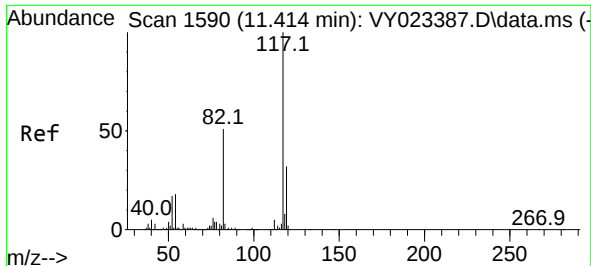
Tgt Ion: 43 Resp: 4688
Ion Ratio Lower Upper
43 100
58 210.7 35.3 52.9#



#62
4-Bromofluorobenzene
Concen: 41.189 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023579.D
Acq: 24 Oct 2025 17:35

Tgt Ion: 95 Resp: 397497
Ion Ratio Lower Upper
95 100
174 99.3 0.0 192.8
176 95.7 0.0 187.6

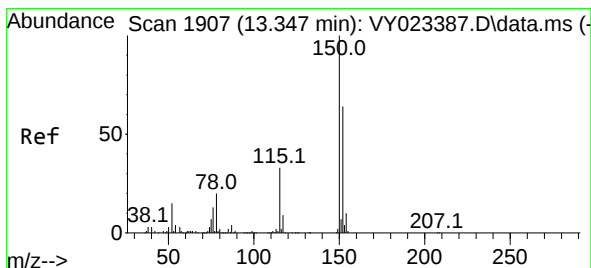
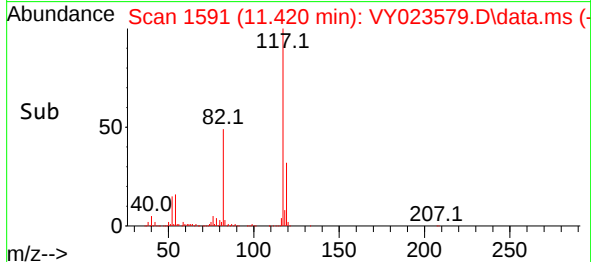
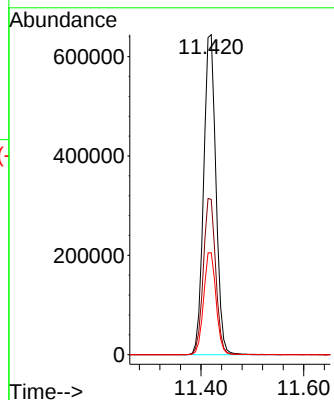
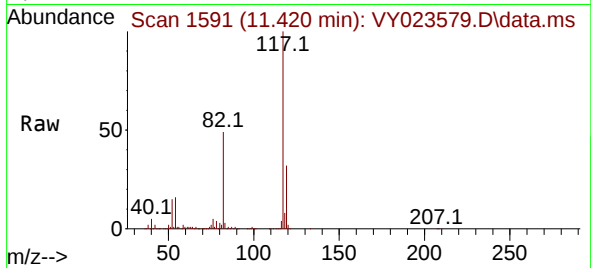




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023579.D
Acq: 24 Oct 2025 17:35

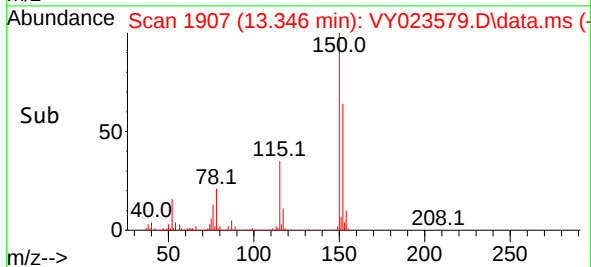
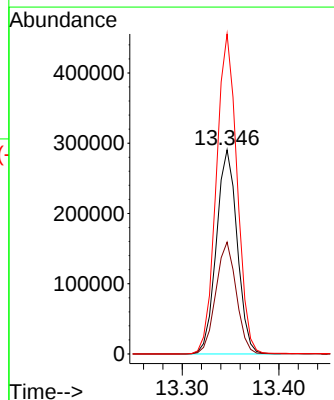
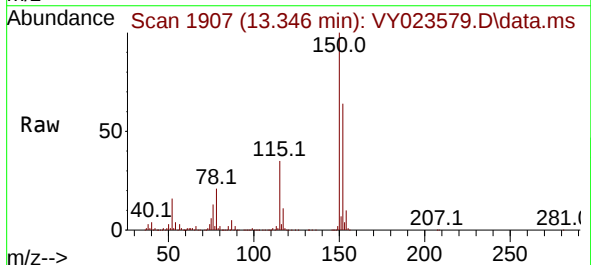
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

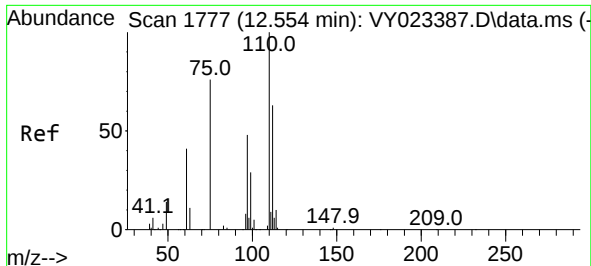
Tgt Ion:117 Resp: 1068525
Ion Ratio Lower Upper
117 100
82 48.6 41.0 61.4
119 31.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023579.D
Acq: 24 Oct 2025 17:35

Tgt Ion:152 Resp: 434746
Ion Ratio Lower Upper
152 100
115 53.9 27.1 81.2
150 156.6 0.0 347.4

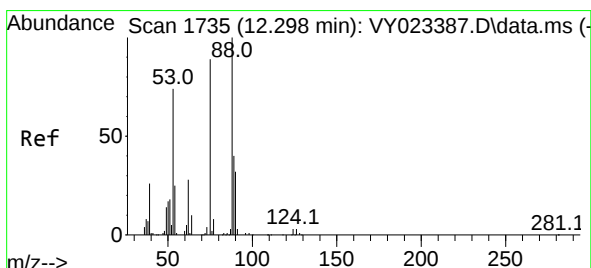
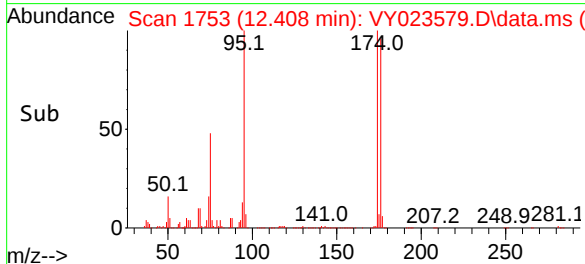
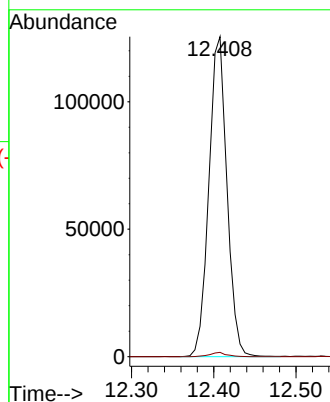
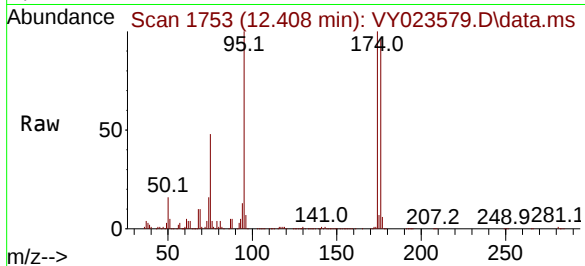




#76
1,2,3-Trichloropropane
Concen: 49.972 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023579.D
Acq: 24 Oct 2025 17:35

Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

Tgt Ion: 75 Resp: 191673
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.540 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023579.D
Acq: 24 Oct 2025 17:35

Tgt Ion: 75 Resp: 191673
Ion Ratio Lower Upper
75 100
53 0.2 68.6 102.8#
89 0.0 39.0 58.4#

