

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023578.D
 Acq On : 24 Oct 2025 17:12
 Operator : SY/MD
 Sample : Q3460-11
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-3-VOC

Quant Time: Oct 24 23:55:09 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	640743	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1069536	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	918219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	384274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	291535	54.411	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.820%	
35) Dibromofluoromethane	7.640	113	346123	52.668	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.340%	
50) Toluene-d8	10.109	98	1194863	48.822	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.640%	
62) 4-Bromofluorobenzene	12.408	95	343784	42.547	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.100%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.836	59	613	1.538	ug/l #	72
20) Methylene Chloride	4.622	84	19108	2.770	ug/l	96
31) Cyclohexane	7.713	56	9732	1.092	ug/l #	2
36) 1,1-Dichloropropene	7.713	75	39937	4.590	ug/l #	48
38) Carbon Tetrachloride	7.713	117	55945	5.303	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	4134	1.164	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	162445	47.914	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	162445	117.495	ug/l #	15

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

Quant Time: Oct 24 23:55:09 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

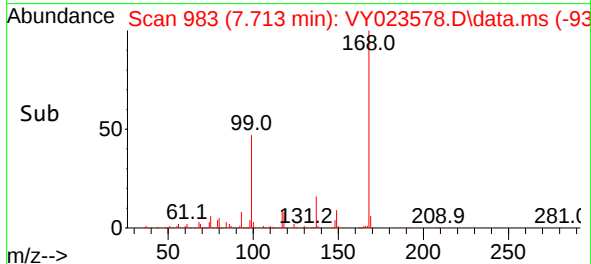
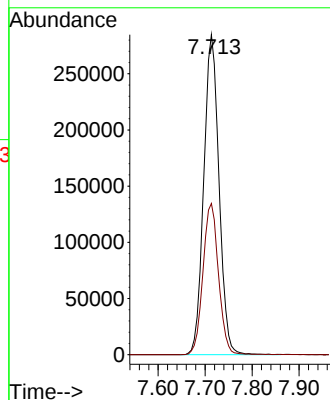
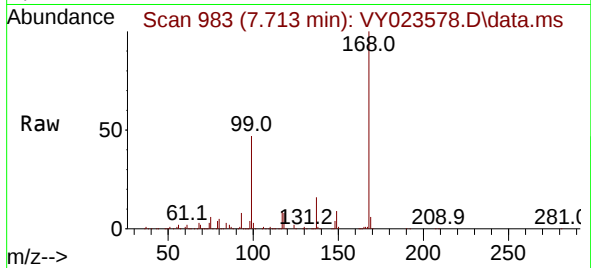




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023578.D
Acq: 24 Oct 2025 17:12

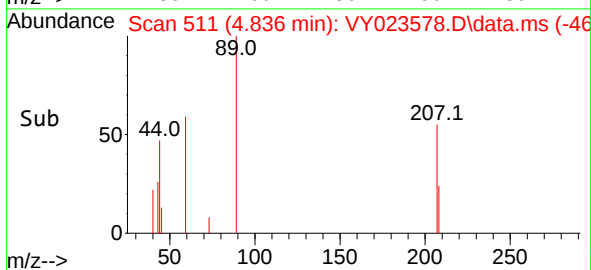
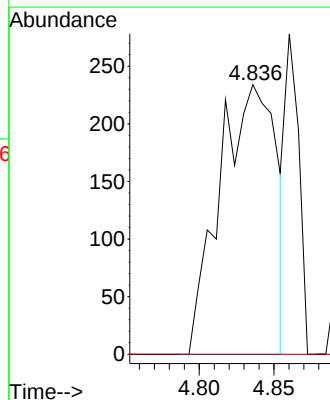
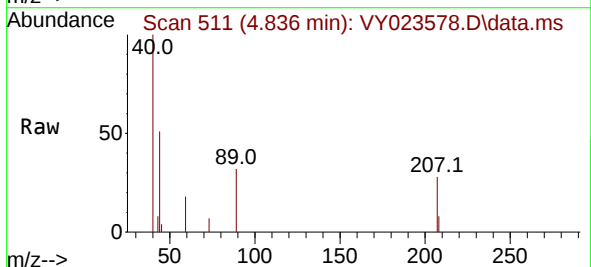
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

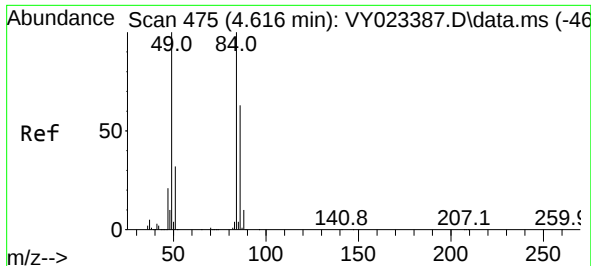
Tgt Ion:168 Resp: 640743
Ion Ratio Lower Upper
168 100
99 47.3 39.7 59.5



#11
Tert butyl alcohol
Concen: 1.538 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.024 min
Lab File: VY023578.D
Acq: 24 Oct 2025 17:12

Tgt Ion: 59 Resp: 613
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

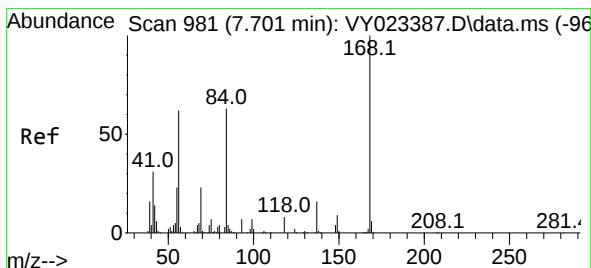
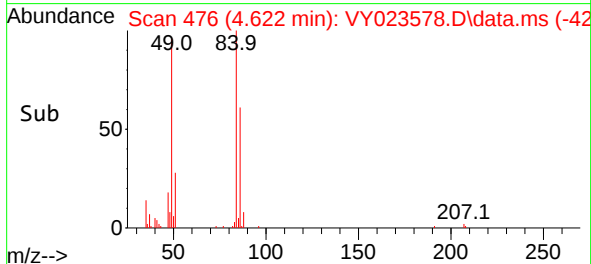
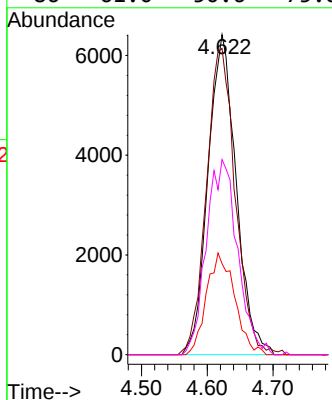
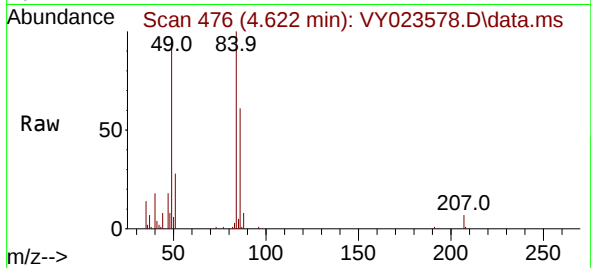




#20
Methylene Chloride
Concen: 2.770 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023578.D
Acq: 24 Oct 2025 17:12

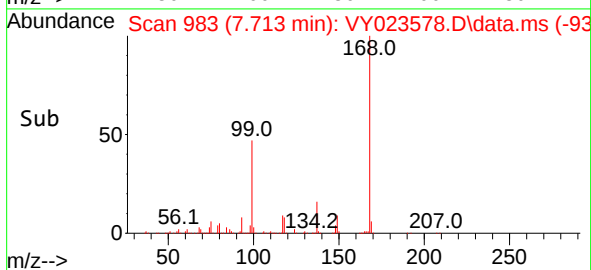
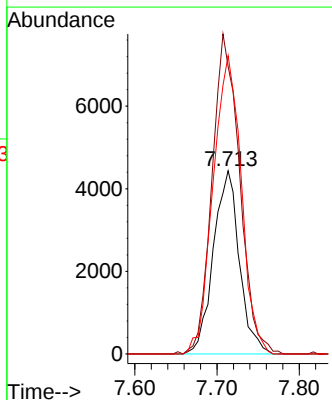
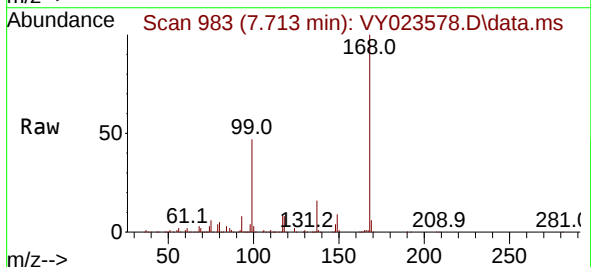
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

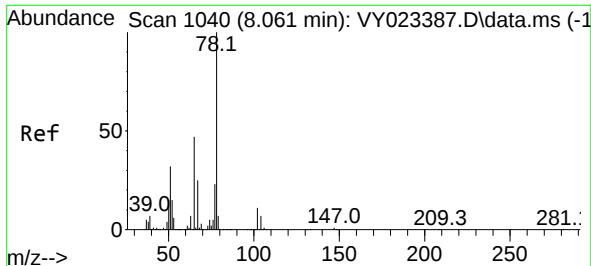
Tgt Ion:	84	Resp:	19108
Ion	Ratio	Lower	Upper
84	100		
49	95.7	80.2	120.4
51	28.4	25.9	38.9
86	61.0	50.6	75.8



#31
Cyclohexane
Concen: 1.092 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023578.D
Acq: 24 Oct 2025 17:12

Tgt Ion:	56	Resp:	9732
Ion	Ratio	Lower	Upper
56	100		
69	155.8	30.0	45.0#
84	162.8	81.2	121.8#





#33

1,2-Dichloroethane-d4

Concen: 54.411 ug/l

RT: 8.067 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023578.D

Acq: 24 Oct 2025 17:12

Instrument :

MSVOA_Y

ClientSampleId :

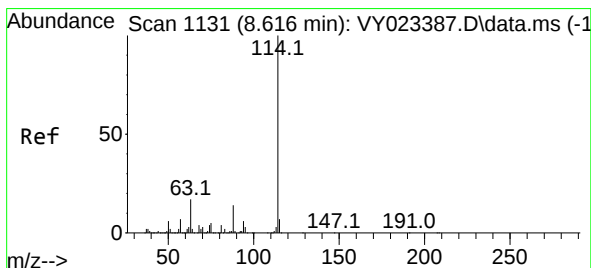
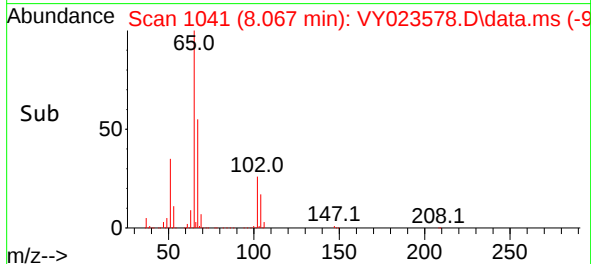
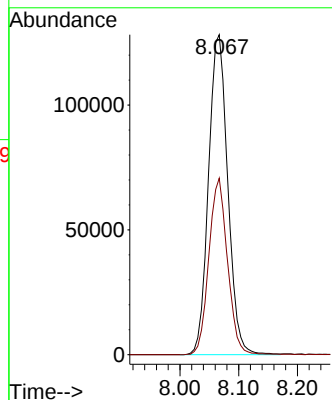
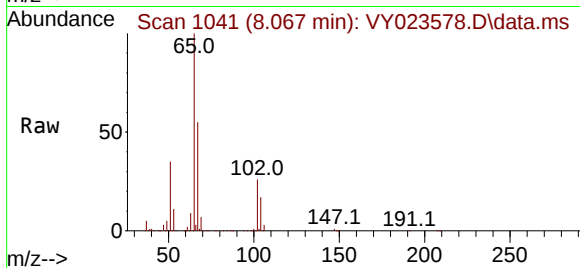
WC-3-VOC

Tgt Ion: 65 Resp: 291535

Ion Ratio Lower Upper

65 100

67 53.4 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: VY023578.D

Acq: 24 Oct 2025 17:12

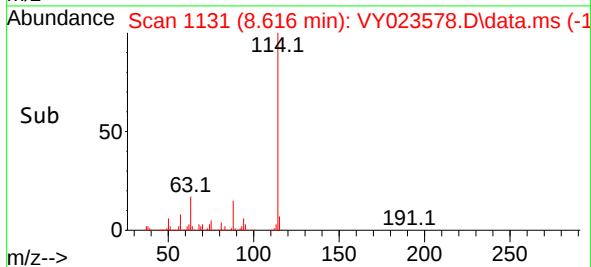
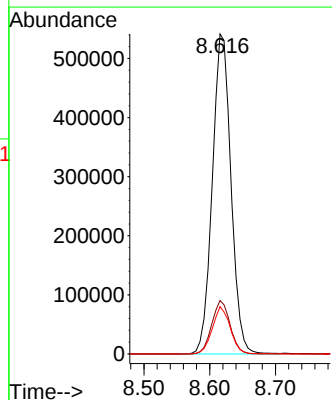
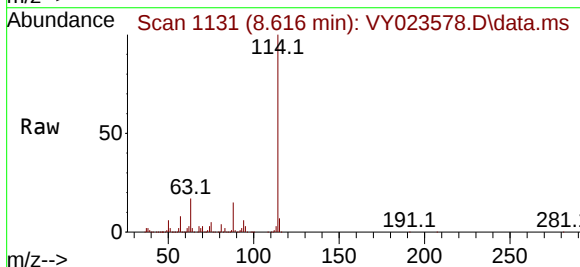
Tgt Ion: 114 Resp: 1069536

Ion Ratio Lower Upper

114 100

63 16.7 0.0 34.2

88 14.8 0.0 28.4

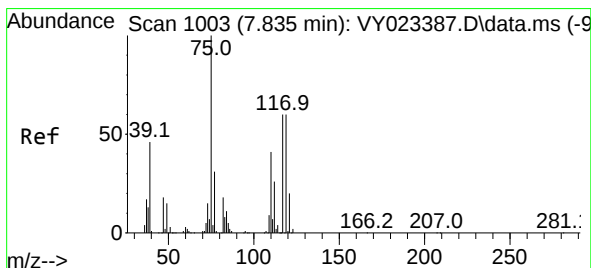
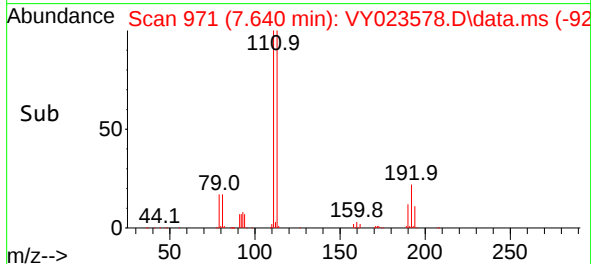
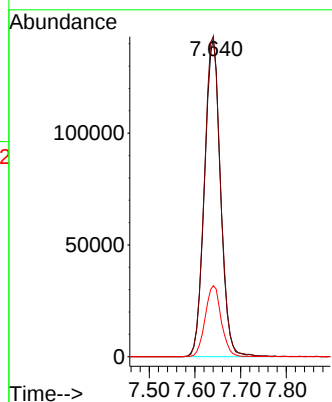
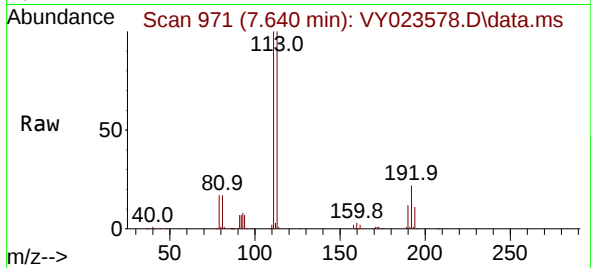




#35
Dibromofluoromethane
Concen: 52.668 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023578.D
Acq: 24 Oct 2025 17:12

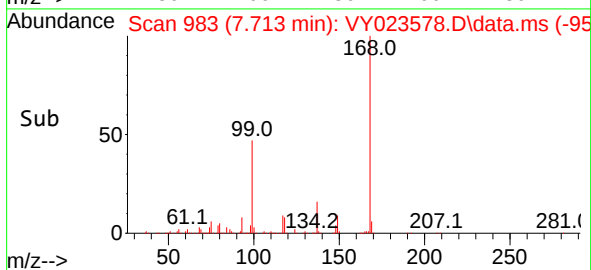
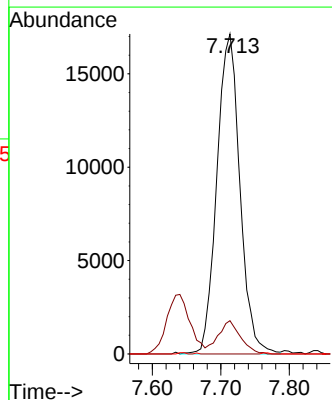
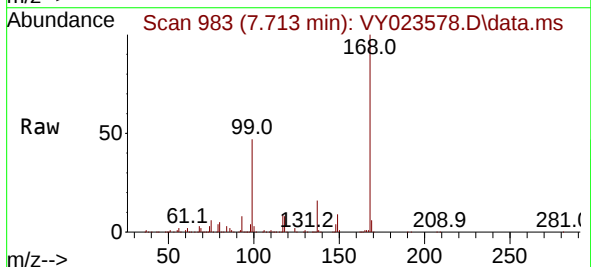
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

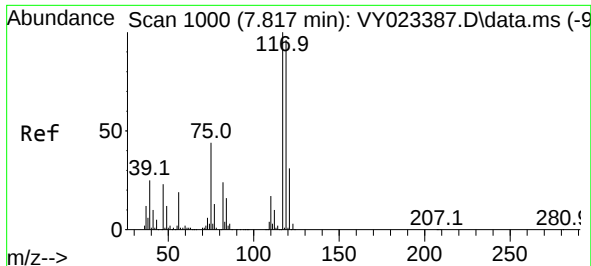
Tgt Ion:113 Resp: 346123
Ion Ratio Lower Upper
113 100
111 101.6 81.8 122.6
192 22.4 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.590 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023578.D
Acq: 24 Oct 2025 17:12

Tgt Ion: 75 Resp: 39937
Ion Ratio Lower Upper
75 100
110 10.1 19.9 59.7#
77 0.0 25.0 37.6#

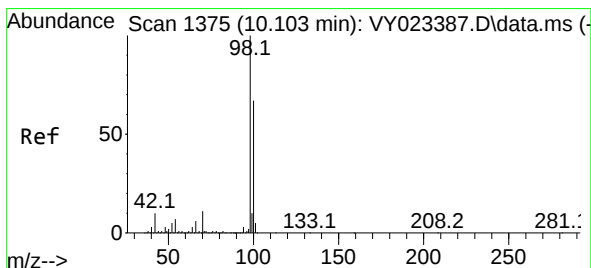
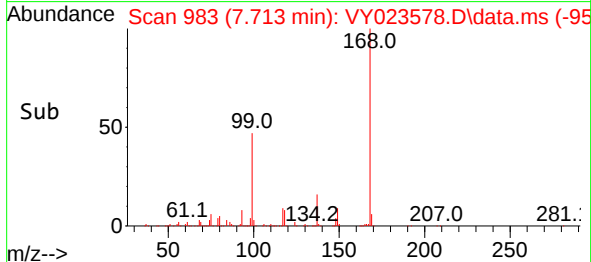
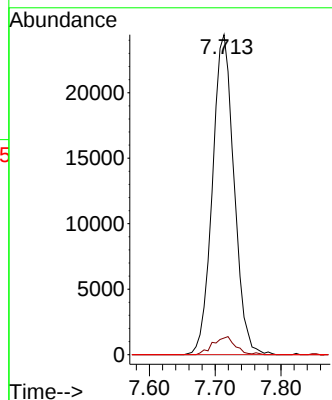
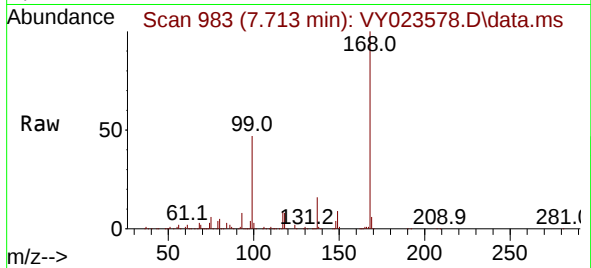




#38
Carbon Tetrachloride
Concen: 5.303 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023578.D
Acq: 24 Oct 2025 17:12

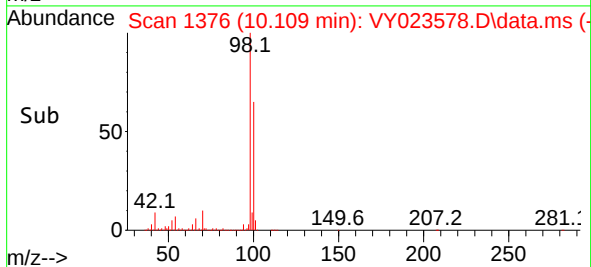
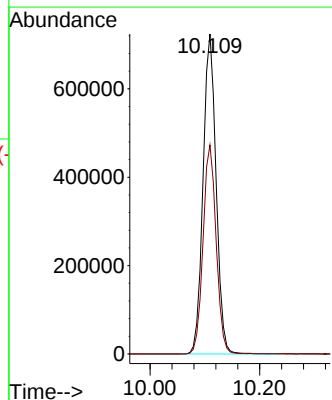
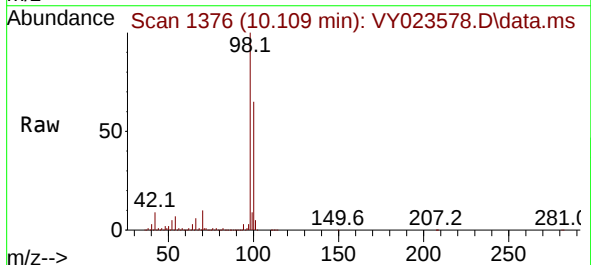
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

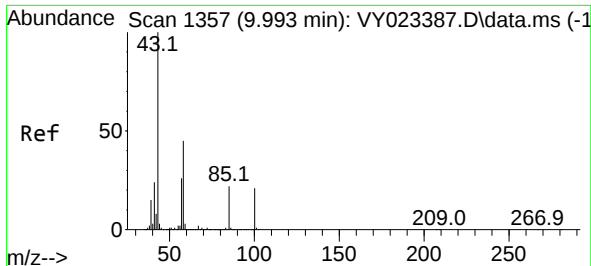
Tgt Ion:117 Resp: 55945
Ion Ratio Lower Upper
117 100
119 5.2 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.822 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023578.D
Acq: 24 Oct 2025 17:12

Tgt Ion: 98 Resp: 1194863
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4

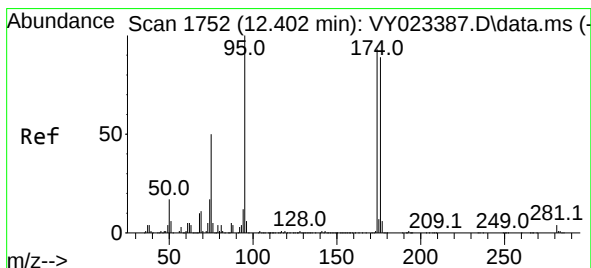
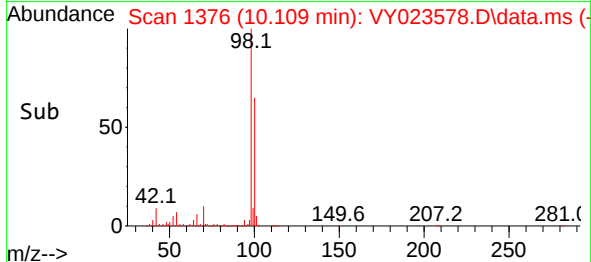
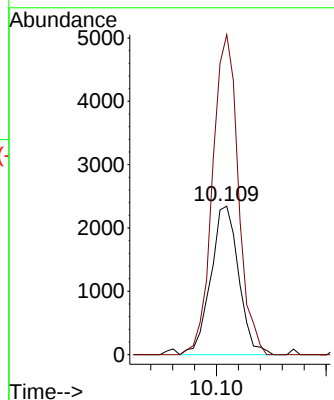
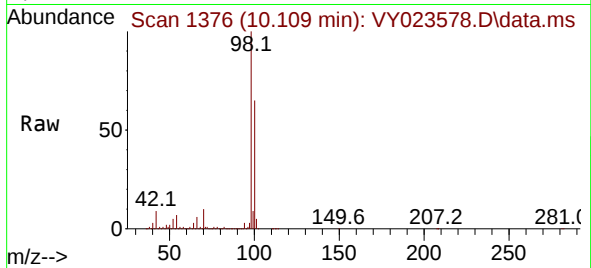




#51
4-Methyl-2-Pentanone
Concen: 1.164 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY023578.D
Acq: 24 Oct 2025 17:12

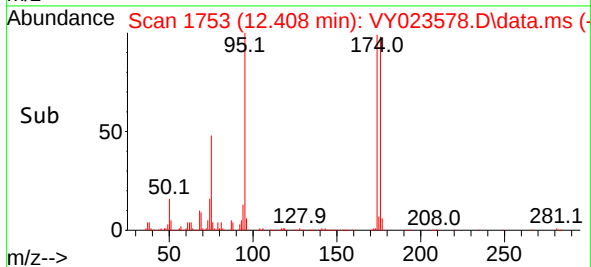
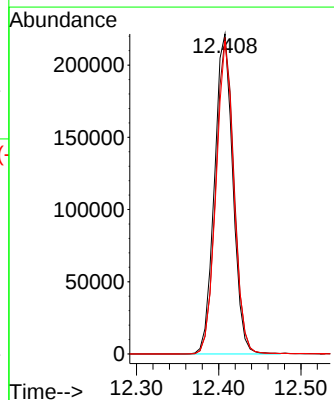
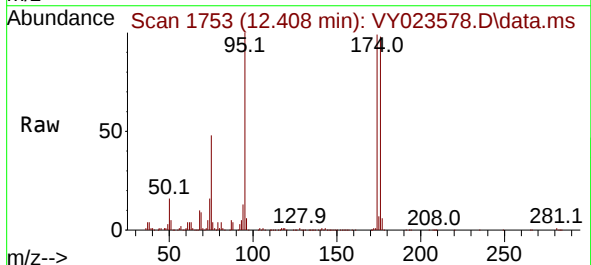
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

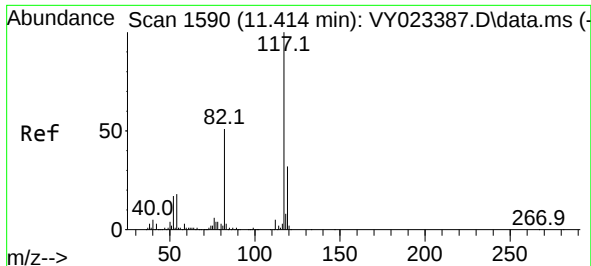
Tgt Ion: 43 Resp: 4134
Ion Ratio Lower Upper
43 100
58 199.5 35.3 52.9#



#62
4-Bromofluorobenzene
Concen: 42.547 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023578.D
Acq: 24 Oct 2025 17:12

Tgt Ion: 95 Resp: 343784
Ion Ratio Lower Upper
95 100
174 98.2 0.0 192.8
176 94.8 0.0 187.6

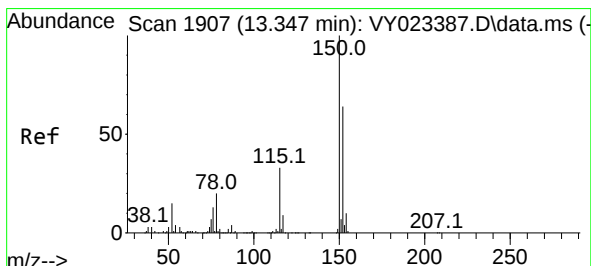
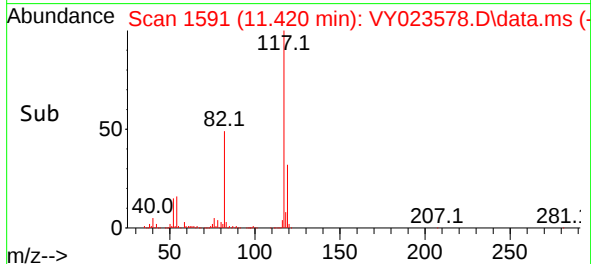
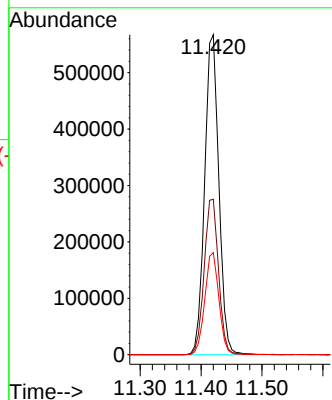
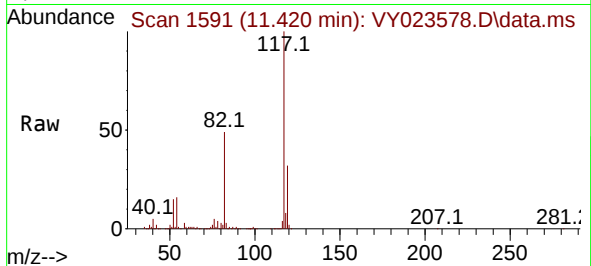




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023578.D
Acq: 24 Oct 2025 17:12

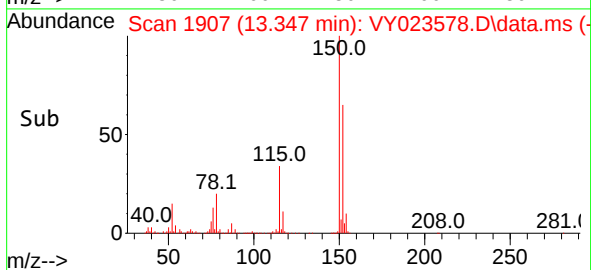
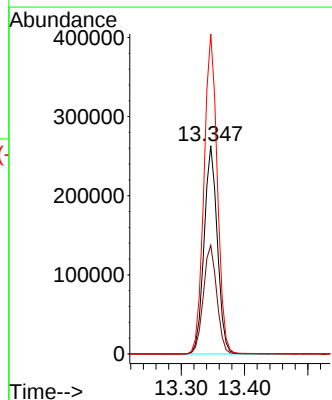
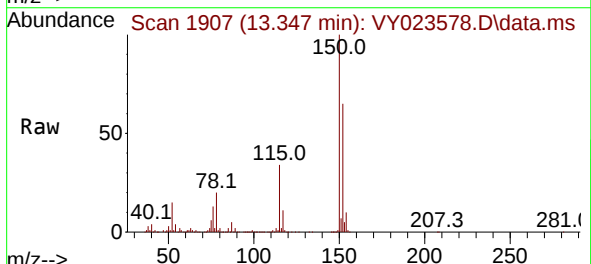
Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

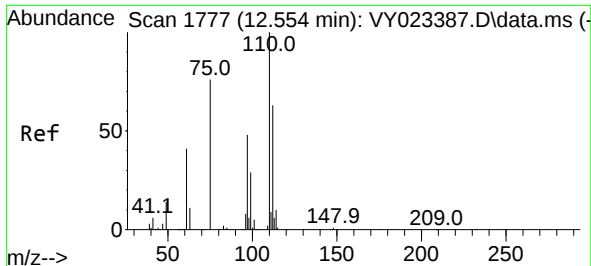
Tgt Ion:117 Resp: 918219
Ion Ratio Lower Upper
117 100
82 48.5 41.0 61.4
119 31.9 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023578.D
Acq: 24 Oct 2025 17:12

Tgt Ion:152 Resp: 384274
Ion Ratio Lower Upper
152 100
115 53.1 27.1 81.2
150 154.8 0.0 347.4

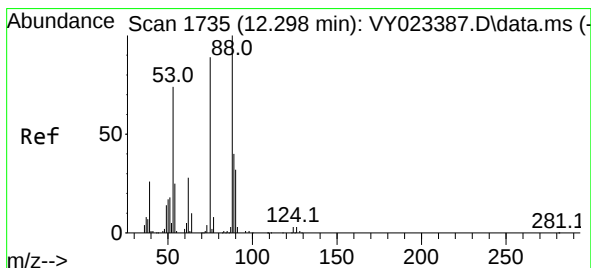
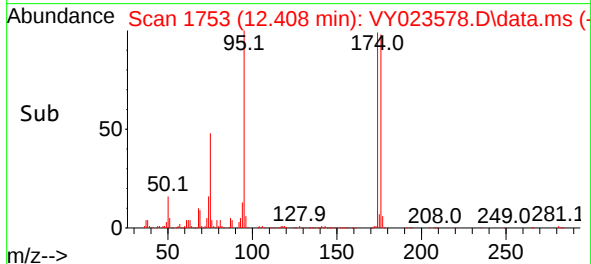
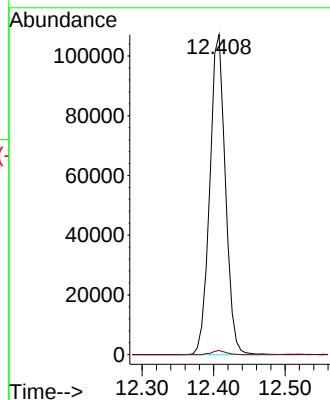
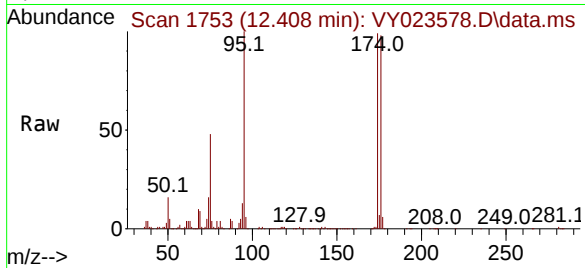




#76
1,2,3-Trichloropropane
Concen: 47.914 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023578.D
Acq: 24 Oct 2025 17:12

Instrument :
MSVOA_Y
ClientSampleId :
WC-3-VOC

Tgt Ion: 75 Resp: 162445
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.495 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023578.D
Acq: 24 Oct 2025 17:12

Tgt Ion: 75 Resp: 162445
Ion Ratio Lower Upper
75 100
53 0.1 68.6 102.8#
89 0.0 39.0 58.4#

