

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023577.D
 Acq On : 24 Oct 2025 16:48
 Operator : SY/MD
 Sample : Q3460-07
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-2-VOC

Quant Time: Oct 24 23:54:48 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)

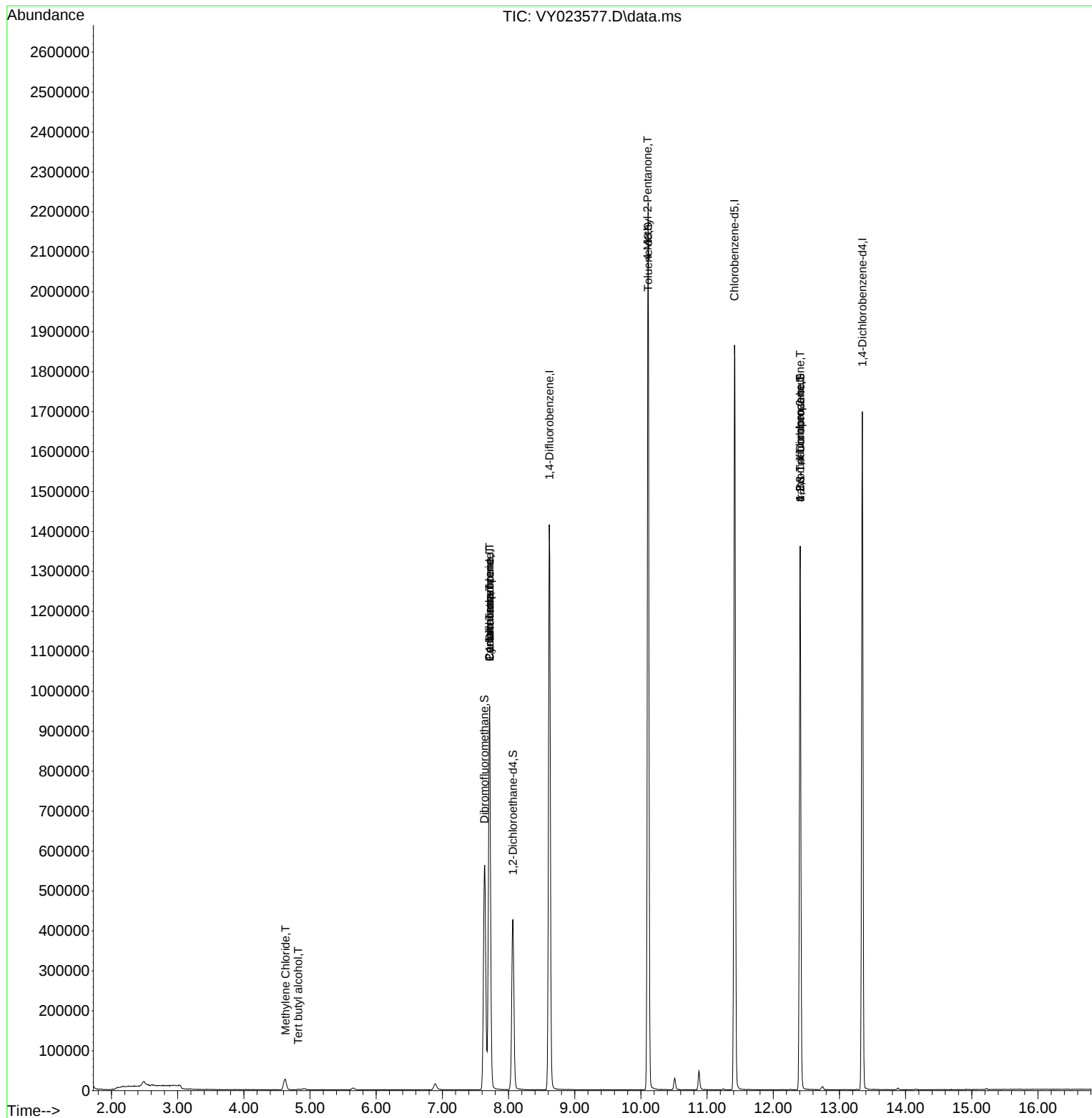
Internal Standards						
1) Pentafluorobenzene	7.713	168	809966	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1320779	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1100398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	461442	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	337075	49.767	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.540%
35) Dibromofluoromethane	7.634	113	412428	50.819	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.640%
50) Toluene-d8	10.109	98	1467924	48.570	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.140%
62) 4-Bromofluorobenzene	12.408	95	417239	41.815	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.640%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.824	59	782	1.552	ug/l #	72
20) Methylene Chloride	4.629	84	22377	2.566	ug/l	96
31) Cyclohexane	7.713	56	12641	1.122	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	50210	4.673	ug/l #	48
38) Carbon Tetrachloride	7.713	117	72211	5.543	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	4806	1.096	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	197634	48.545	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	197634	119.042	ug/l #	15

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

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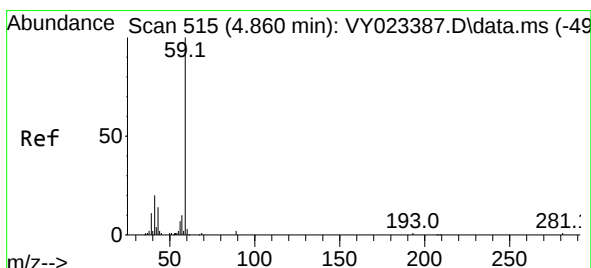
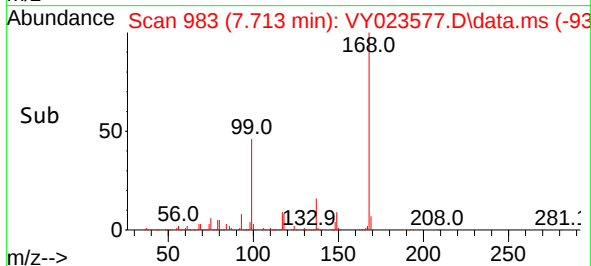
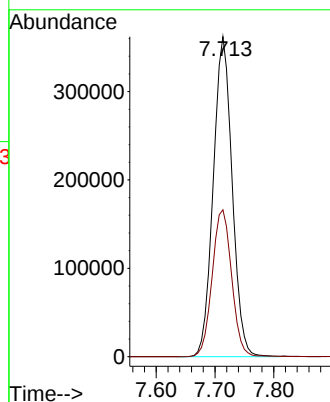
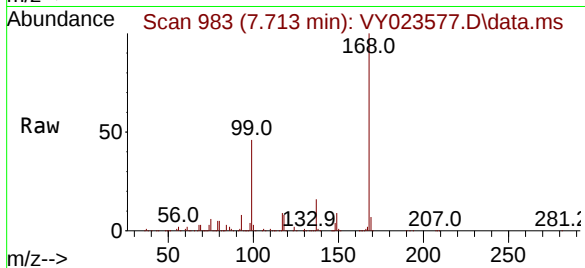




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023577.D
Acq: 24 Oct 2025 16:48

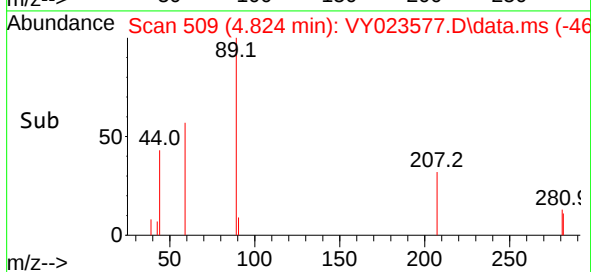
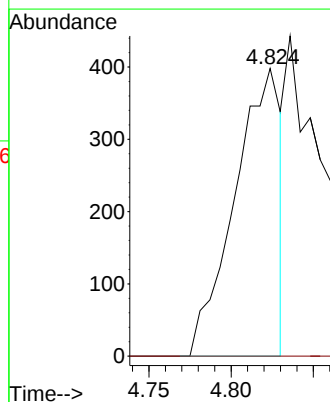
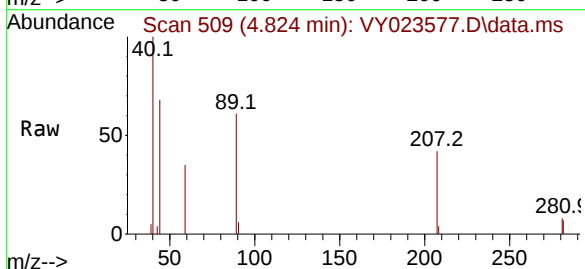
Instrument :
MSVOA_Y
ClientSampleId :
WC-2-VOC

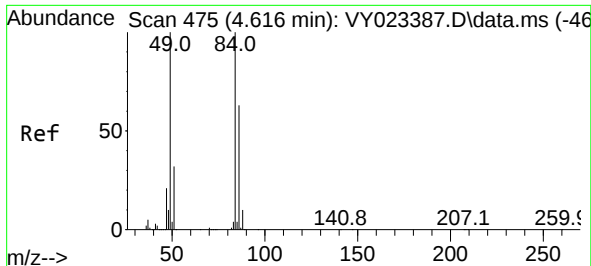
Tgt Ion:168 Resp: 809966
Ion Ratio Lower Upper
168 100
99 45.9 39.7 59.5



#11
Tert butyl alcohol
Concen: 1.552 ug/l
RT: 4.824 min Scan# 509
Delta R.T. -0.037 min
Lab File: VY023577.D
Acq: 24 Oct 2025 16:48

Tgt Ion: 59 Resp: 782
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

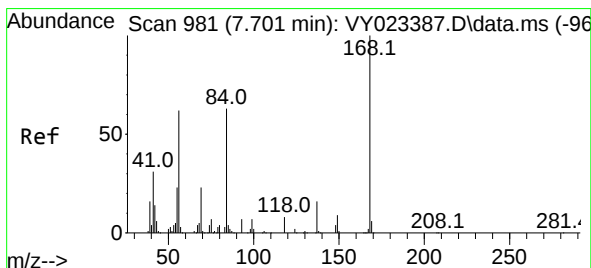
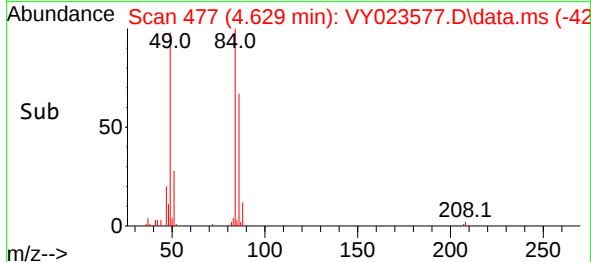
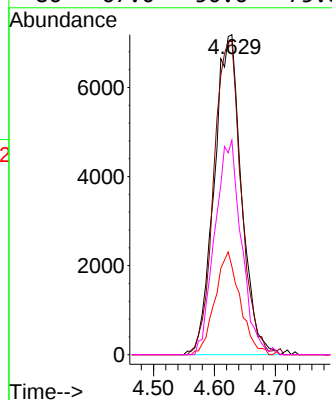
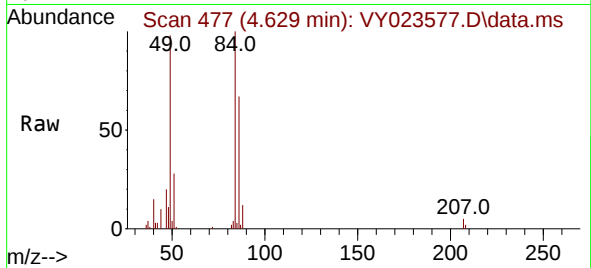




#20
Methylene Chloride
Concen: 2.566 ug/l
RT: 4.629 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023577.D
Acq: 24 Oct 2025 16:48

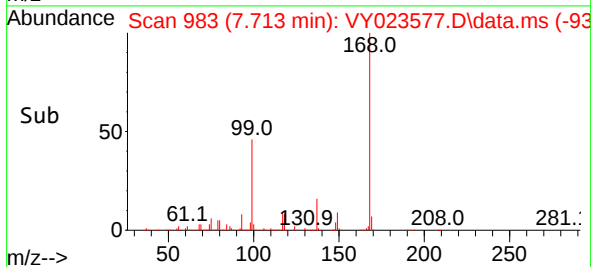
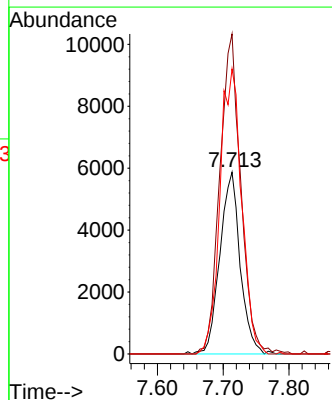
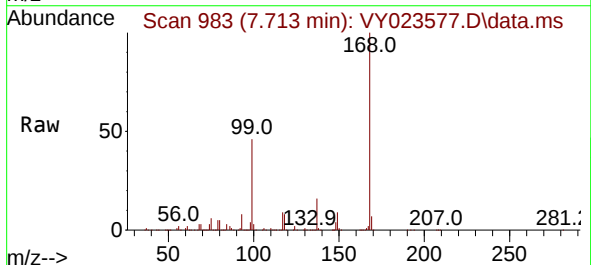
Instrument :
MSVOA_Y
ClientSampleId :
WC-2-VOC

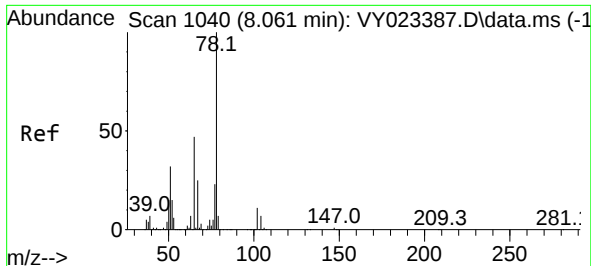
Tgt Ion:	84	Resp:	22377
Ion	Ratio	Lower	Upper
84	100		
49	98.0	80.2	120.4
51	27.6	25.9	38.9
86	67.0	50.6	75.8



#31
Cyclohexane
Concen: 1.122 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023577.D
Acq: 24 Oct 2025 16:48

Tgt Ion:	56	Resp:	12641
Ion	Ratio	Lower	Upper
56	100		
69	176.1	30.0	45.0#
84	156.9	81.2	121.8#





#33

1,2-Dichloroethane-d4

Concen: 49.767 ug/l

RT: 8.067 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023577.D

Acq: 24 Oct 2025 16:48

Instrument :

MSVOA_Y

ClientSampleId :

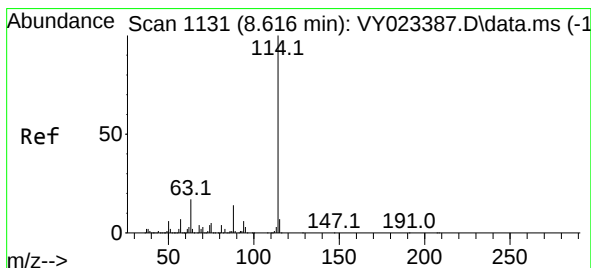
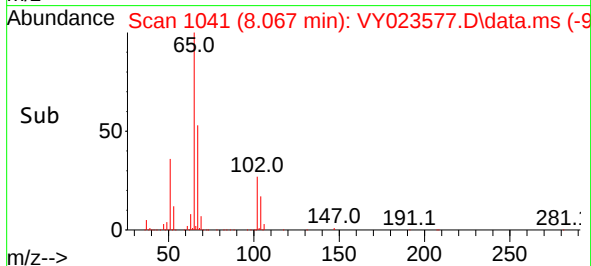
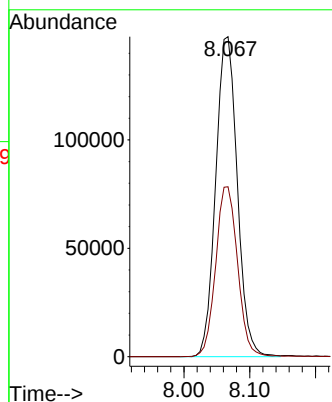
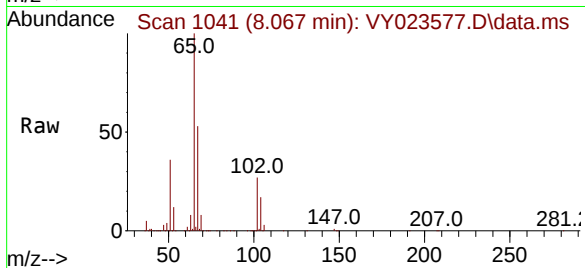
WC-2-VOC

Tgt Ion: 65 Resp: 337075

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: VY023577.D

Acq: 24 Oct 2025 16:48

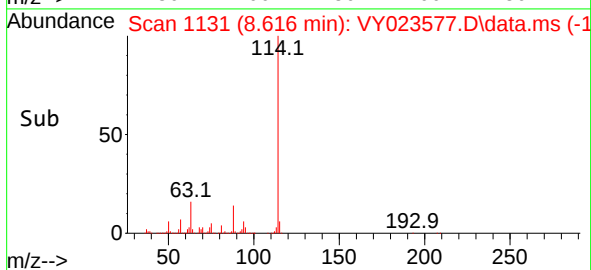
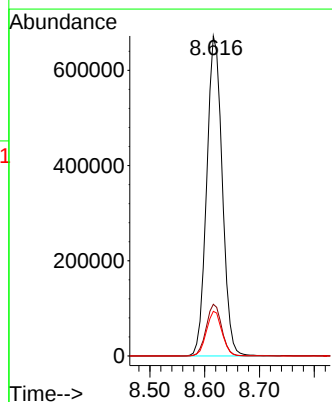
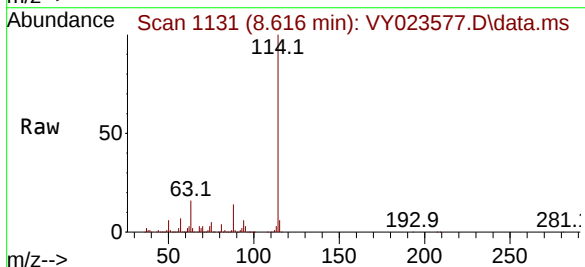
Tgt Ion: 114 Resp: 1320779

Ion Ratio Lower Upper

114 100

63 16.2 0.0 34.2

88 14.0 0.0 28.4

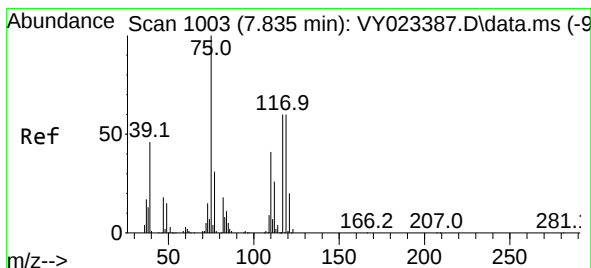
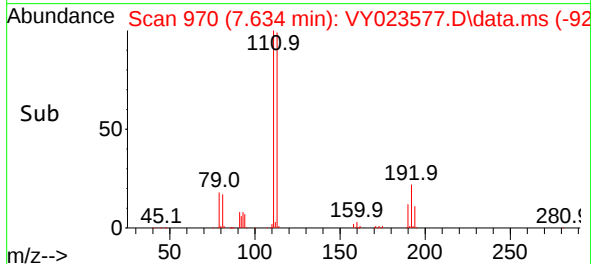
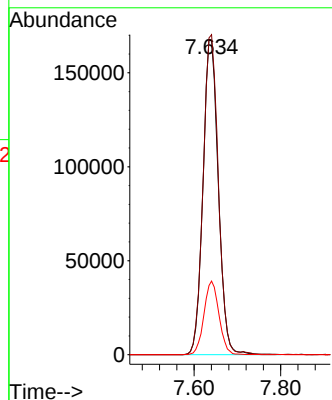
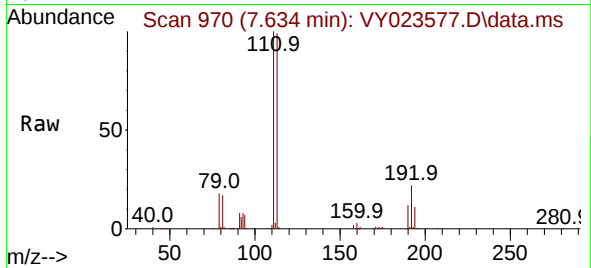




#35
Dibromofluoromethane
Concen: 50.819 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023577.D
Acq: 24 Oct 2025 16:48

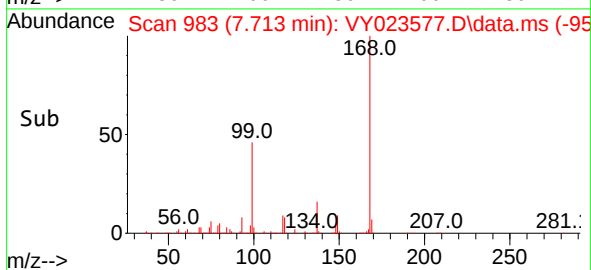
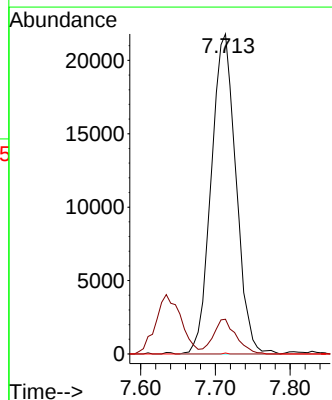
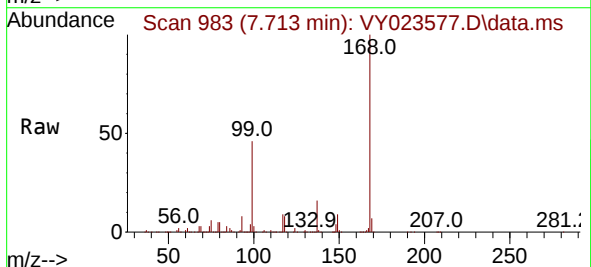
Instrument :
MSVOA_Y
ClientSampleId :
WC-2-VOC

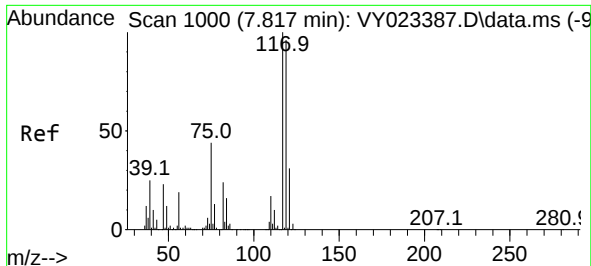
Tgt Ion:113 Resp: 412428
Ion Ratio Lower Upper
113 100
111 100.8 81.8 122.6
192 22.9 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.673 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023577.D
Acq: 24 Oct 2025 16:48

Tgt Ion: 75 Resp: 50210
Ion Ratio Lower Upper
75 100
110 10.1 19.9 59.7#
77 0.0 25.0 37.6#

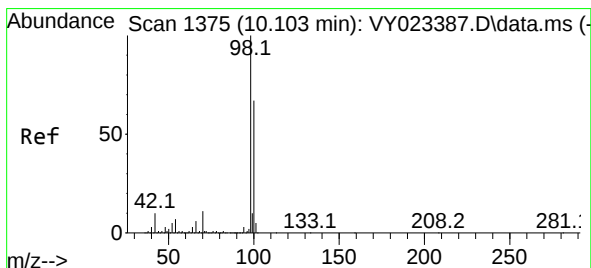
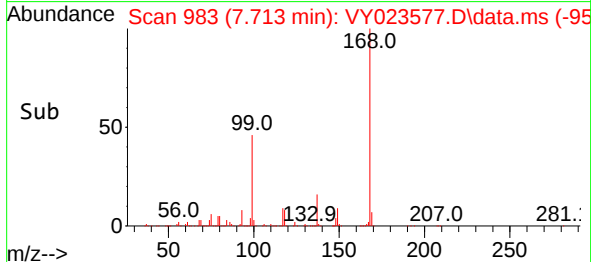
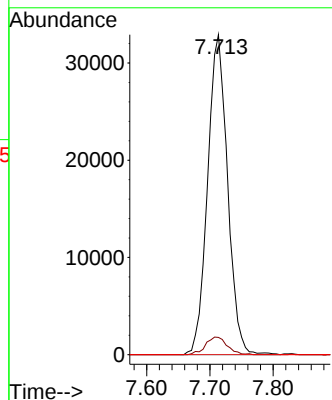
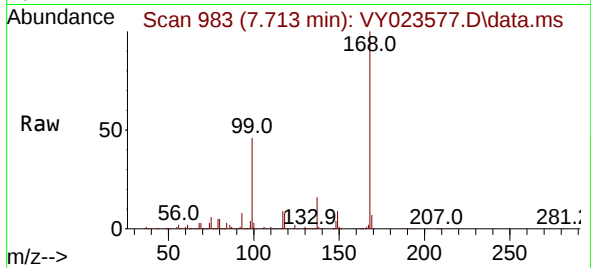




#38
Carbon Tetrachloride
Concen: 5.543 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023577.D
Acq: 24 Oct 2025 16:48

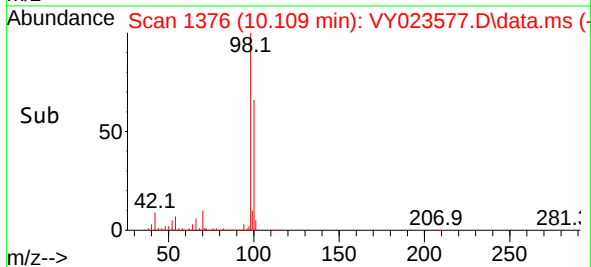
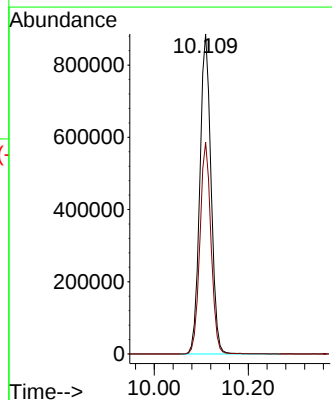
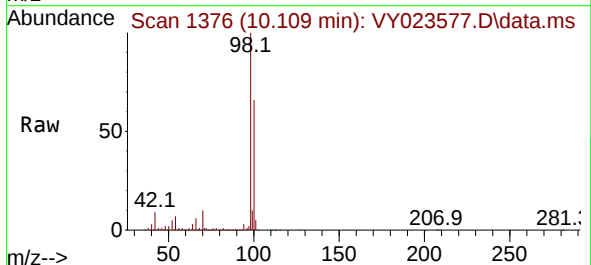
Instrument :
MSVOA_Y
ClientSampleId :
WC-2-VOC

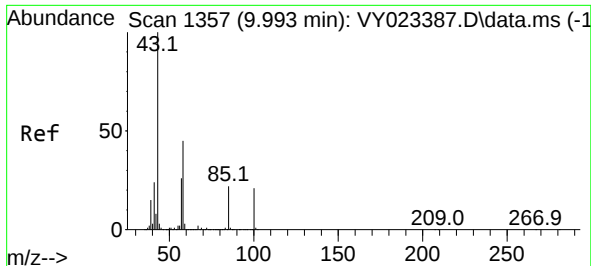
Tgt Ion:117 Resp: 72211
Ion Ratio Lower Upper
117 100
119 5.4 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.570 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023577.D
Acq: 24 Oct 2025 16:48

Tgt Ion: 98 Resp: 1467924
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4

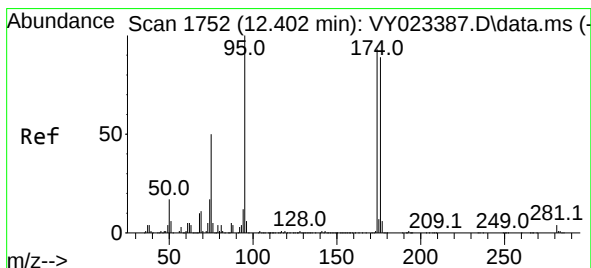
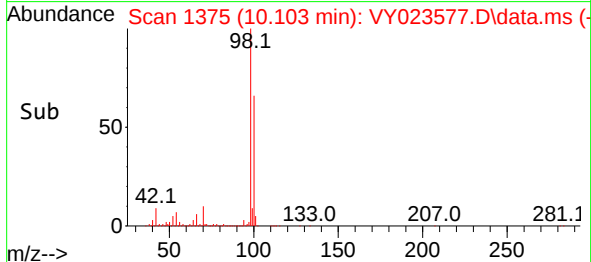
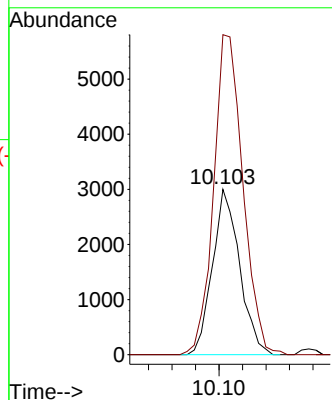
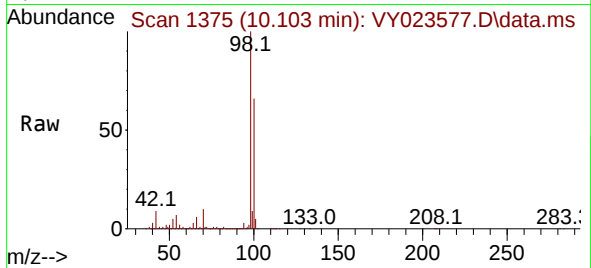




#51
4-Methyl-2-Pentanone
Concen: 1.096 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY023577.D
Acq: 24 Oct 2025 16:48

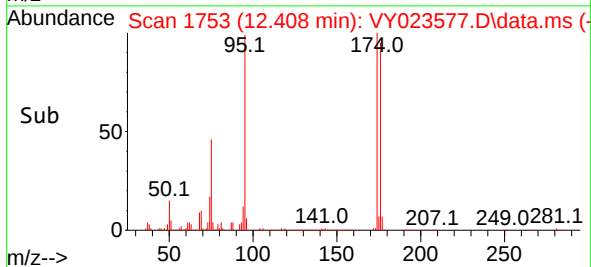
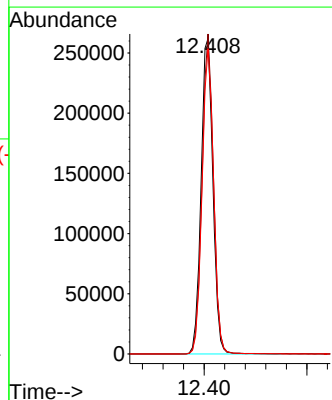
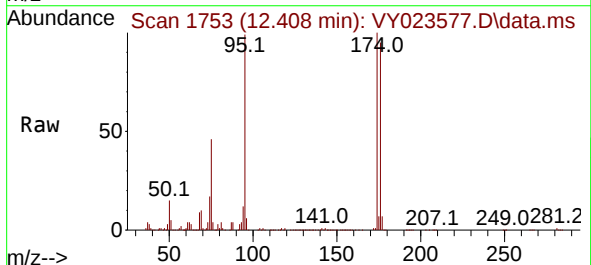
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WC-2-VOC

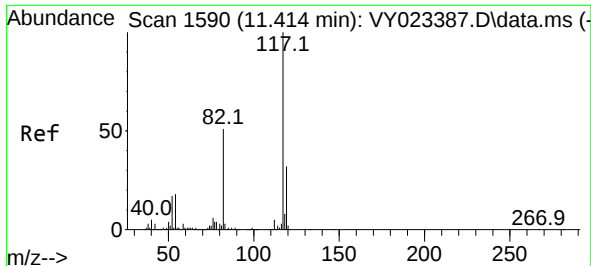
Tgt Ion: 43 Resp: 4806
Ion Ratio Lower Upper
43 100
58 209.0 35.3 52.9#



#62
4-Bromofluorobenzene
Concen: 41.815 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023577.D
Acq: 24 Oct 2025 16:48

Tgt Ion: 95 Resp: 417239
Ion Ratio Lower Upper
95 100
174 98.1 0.0 192.8
176 94.5 0.0 187.6

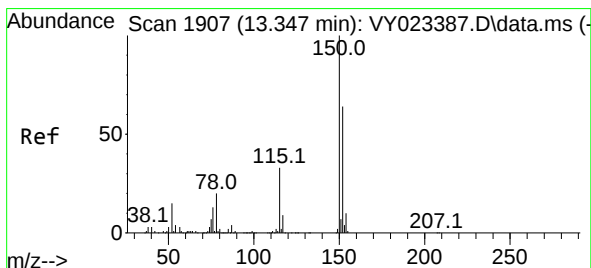
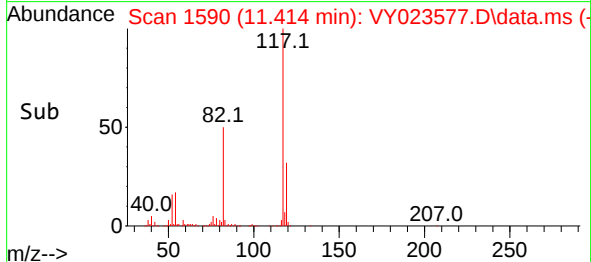
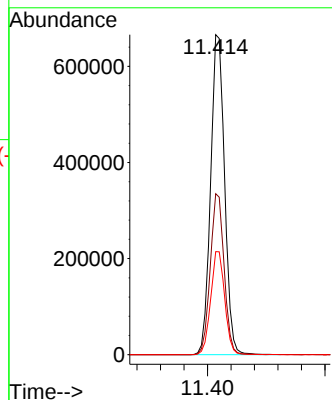
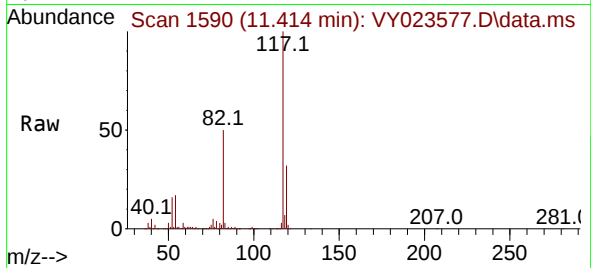




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023577.D
Acq: 24 Oct 2025 16:48

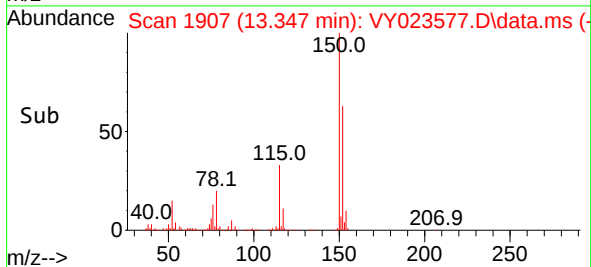
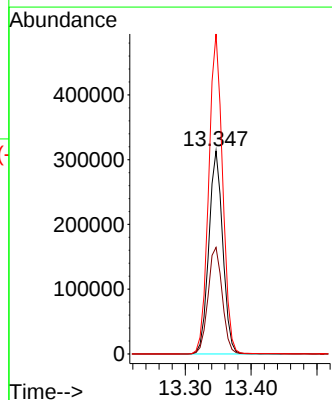
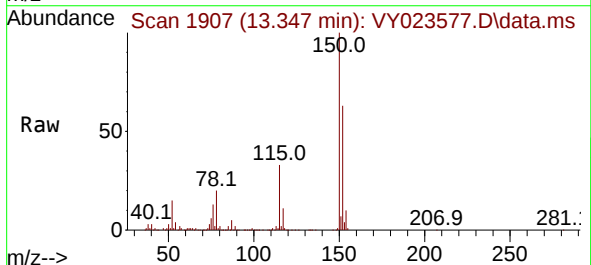
Instrument :
MSVOA_Y
ClientSampleId :
WC-2-VOC

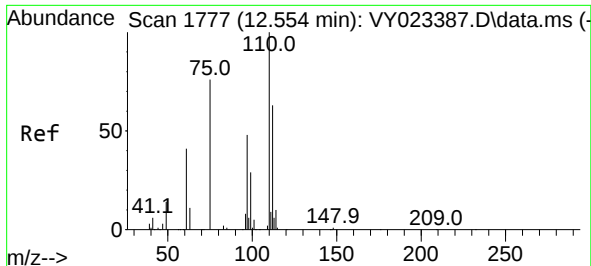
Tgt Ion:117 Resp: 1100398
Ion Ratio Lower Upper
117 100
82 50.3 41.0 61.4
119 32.2 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023577.D
Acq: 24 Oct 2025 16:48

Tgt Ion:152 Resp: 461442
Ion Ratio Lower Upper
152 100
115 53.9 27.1 81.2
150 157.8 0.0 347.4

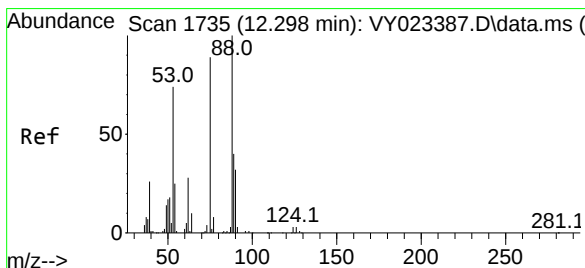
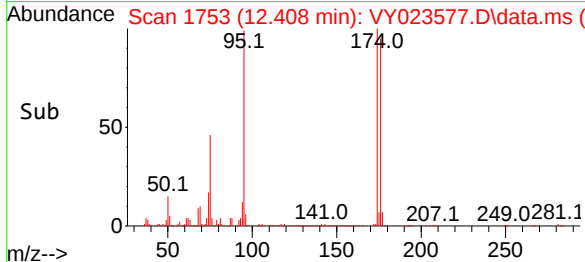
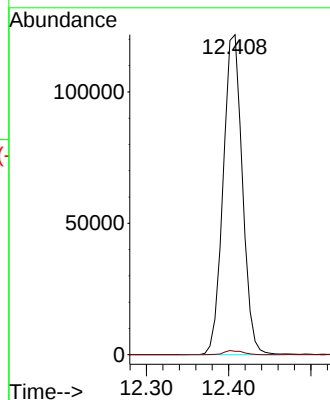
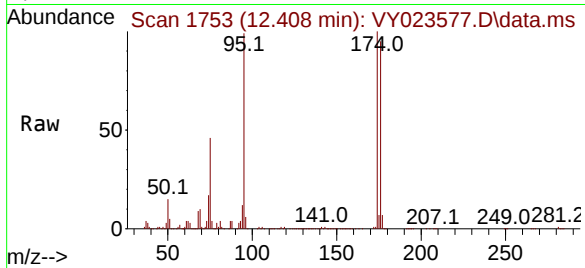




#76
1,2,3-Trichloropropane
Concen: 48.545 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023577.D
Acq: 24 Oct 2025 16:48

Instrument :
MSVOA_Y
ClientSampleId :
WC-2-VOC

Tgt Ion: 75 Resp: 197634
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.042 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023577.D
Acq: 24 Oct 2025 16:48

Tgt Ion: 75 Resp: 197634
Ion Ratio Lower Upper
75 100
53 0.1 68.6 102.8#
89 0.1 39.0 58.4#

