

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092625\
 Data File : VW032283.D
 Acq On : 26 Sep 2025 16:15
 Operator : SY/MD
 Sample : Q3231-07
 Misc : 4.80g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-2-VOC

Quant Time: Sep 29 08:40:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W092525S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 07:11:42 2025
 Response via : Initial Calibration

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

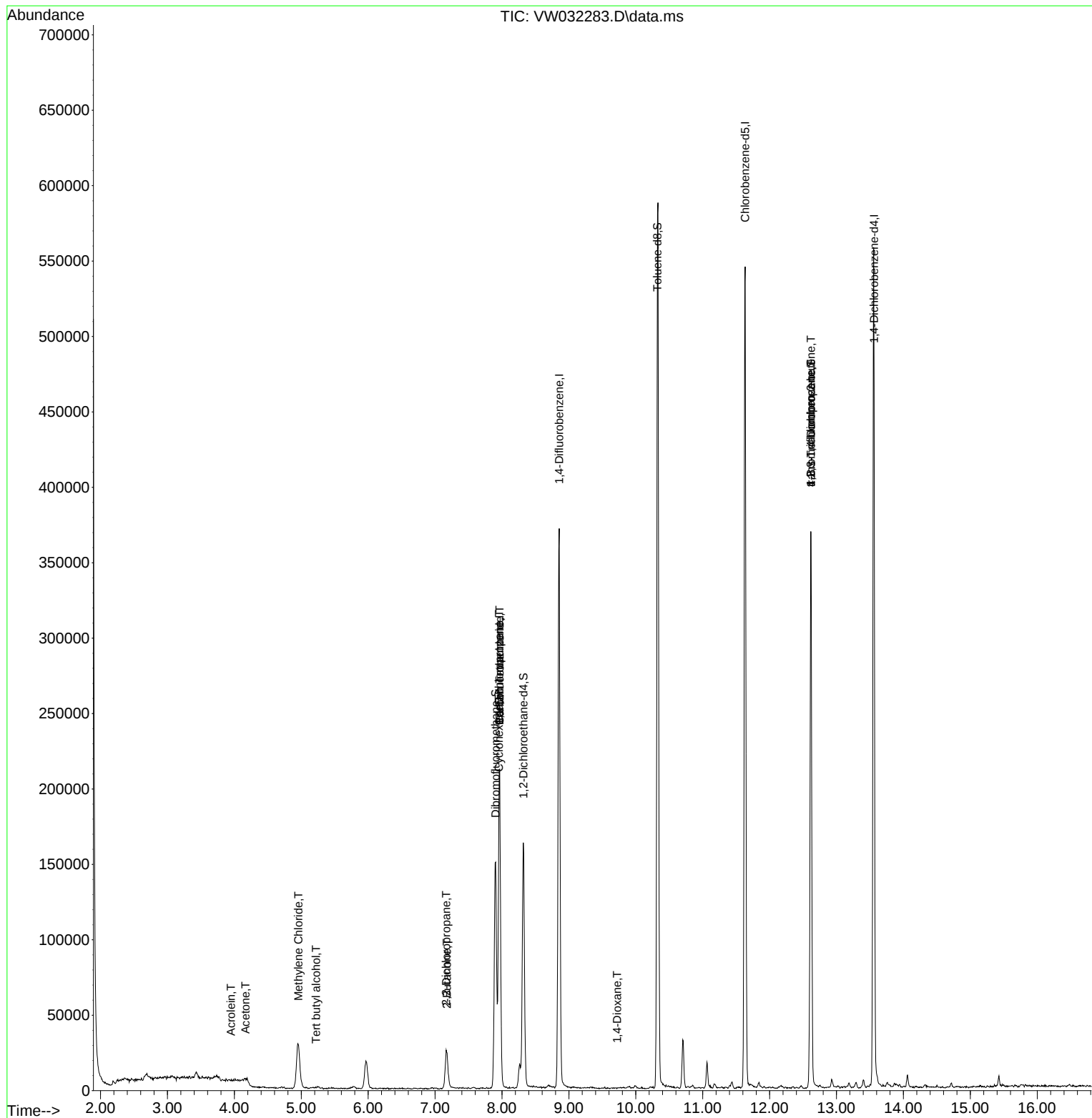
Internal Standards						
1) Pentafluorobenzene	7.965	168	148595	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	311000	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	303357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.562	152	143628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	130799	55.747	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 111.500%			
35) Dibromofluoromethane	7.904	113	113379	50.692	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 101.380%			
50) Toluene-d8	10.325	98	392741	48.723	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 97.440%			
62) 4-Bromofluorobenzene	12.617	95	129900	42.723	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 85.440%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.222	59	257	1.578	ug/l #	63
13) Acrolein	3.948	56	369	1.273	ug/l #	74
16) Acetone	4.167	43	2643	4.386	ug/l #	81
20) Methylene Chloride	4.960	84	25091	4.692	ug/l	94
25) 2-Butanone	7.179	43	1616	1.924	ug/l #	72
26) 2,2-Dichloropropane	7.167	77	2111	1.115	ug/l #	52
31) Cyclohexane	7.953	56	3957	1.306	ug/l #	7
36) 1,1-Dichloropropene	7.959	75	14163	4.697	ug/l #	49
38) Carbon Tetrachloride	7.965	117	16104	5.676	ug/l #	19
49) 1,4-Dioxane	9.721	88	35	1.729	ug/l #	10
76) 1,2,3-Trichloropropane	12.617	75	65004	32.897	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	65004	85.448	ug/l #	9

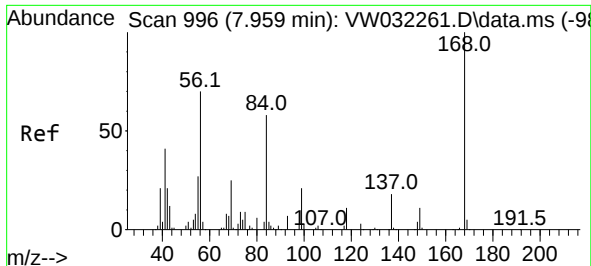
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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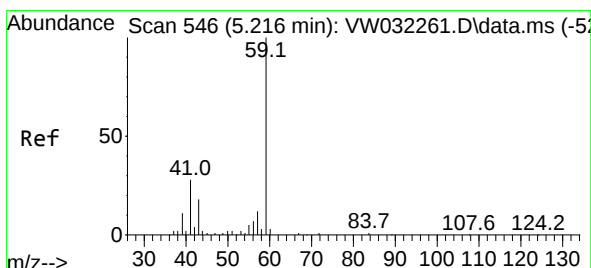
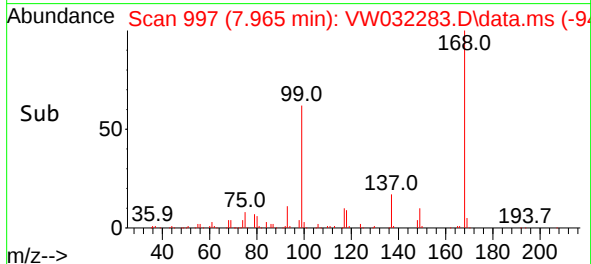
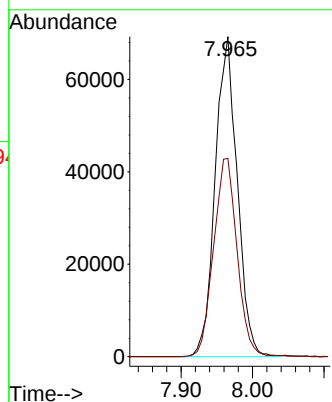
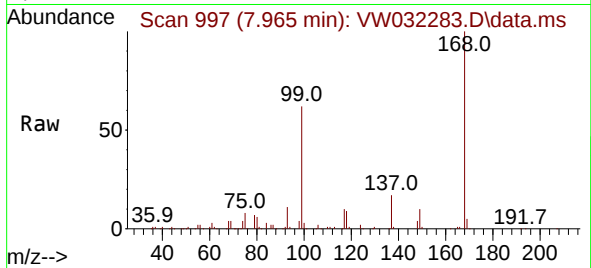




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032283.D
Acq: 26 Sep 2025 16:15

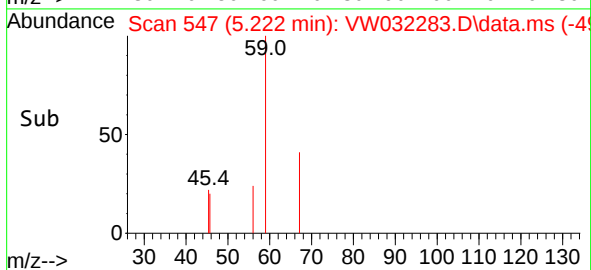
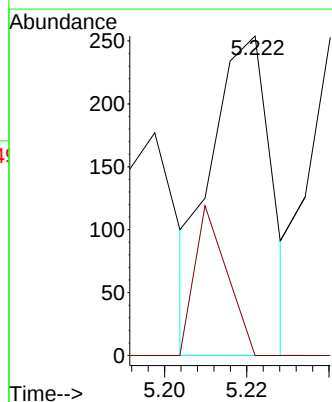
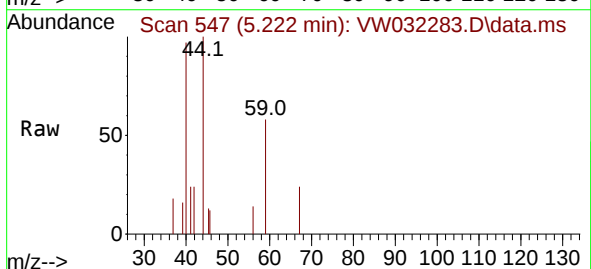
Instrument :
MSVOA_W
ClientSampleId :
WC-2-VOC

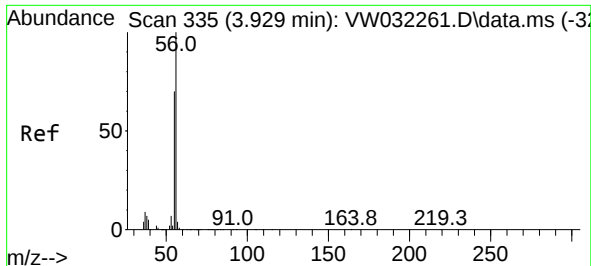
Tgt Ion:168 Resp: 148595
Ion Ratio Lower Upper
168 100
99 61.9 55.0 82.4



#11
Tert butyl alcohol
Concen: 1.578 ug/l
RT: 5.222 min Scan# 547
Delta R.T. 0.006 min
Lab File: VW032283.D
Acq: 26 Sep 2025 16:15

Tgt Ion: 59 Resp: 257
Ion Ratio Lower Upper
59 100
57 25.3 8.9 13.3#

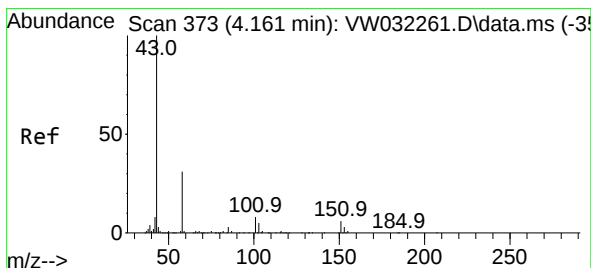
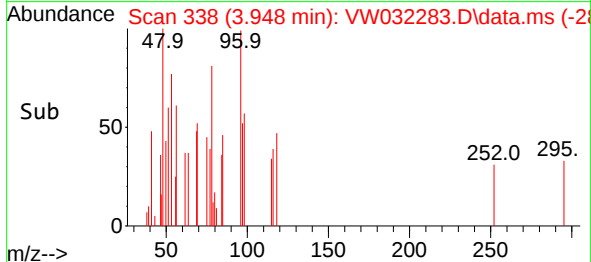
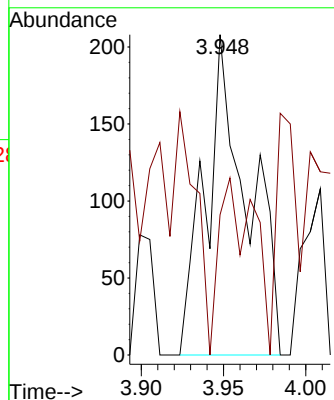
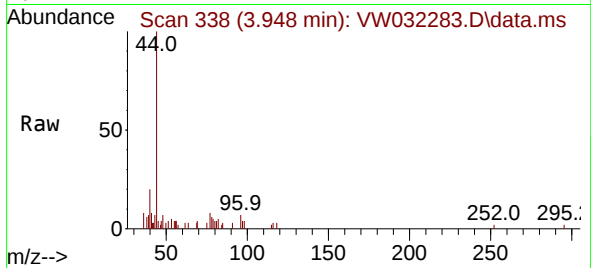




#13
Acrolein
Concen: 1.273 ug/l
RT: 3.948 min Scan# 31
Delta R.T. 0.018 min
Lab File: VW032283.D
Acq: 26 Sep 2025 16:15

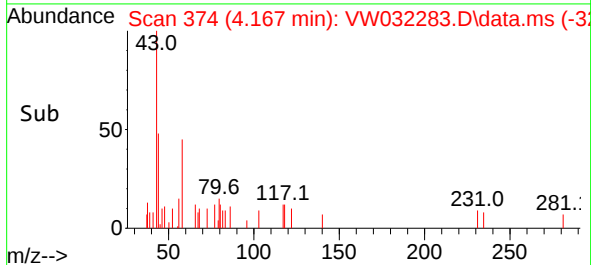
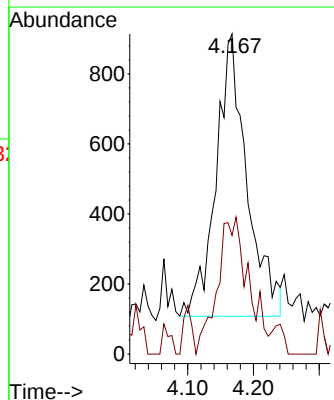
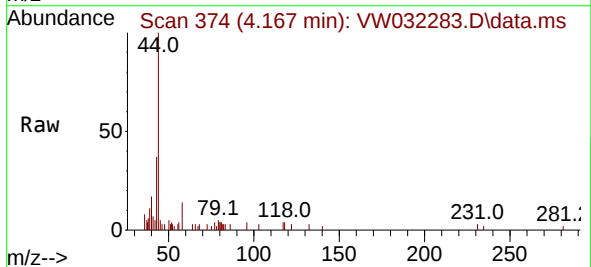
Instrument :
MSVOA_W
ClientSampleId :
WC-2-VOC

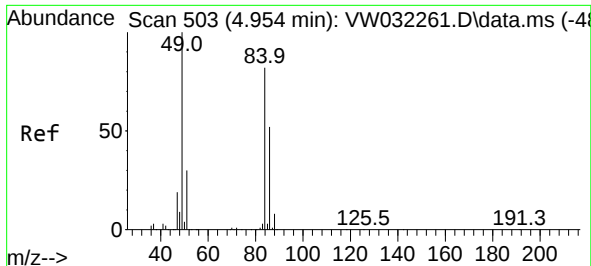
Tgt Ion: 56 Resp: 369
Ion Ratio Lower Upper
56 100
55 45.5 53.2 79.8#



#16
Acetone
Concen: 4.386 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032283.D
Acq: 26 Sep 2025 16:15

Tgt Ion: 43 Resp: 2643
Ion Ratio Lower Upper
43 100
58 42.1 25.4 38.0#

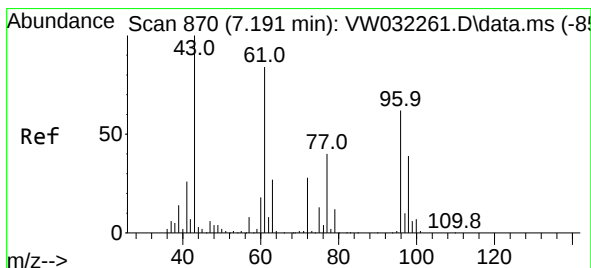
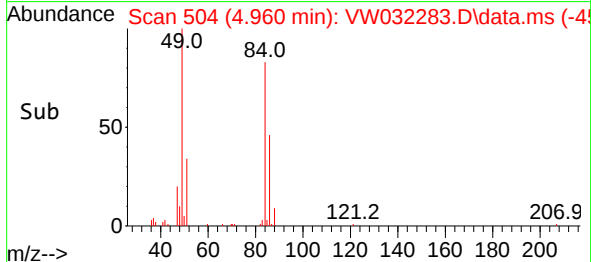
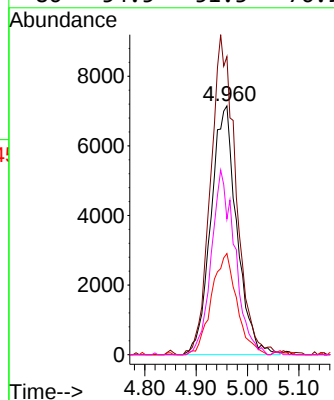
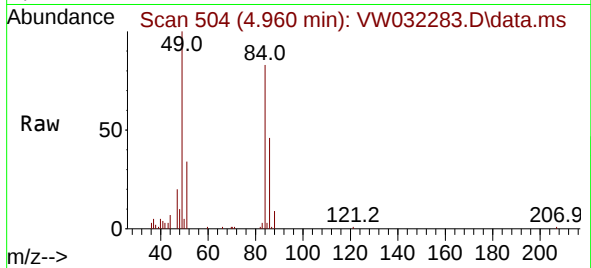




#20
Methylene Chloride
Concen: 4.692 ug/l
RT: 4.960 min Scan# 503
Delta R.T. 0.006 min
Lab File: VW032283.D
Acq: 26 Sep 2025 16:15

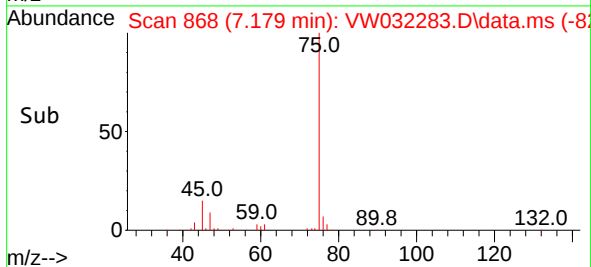
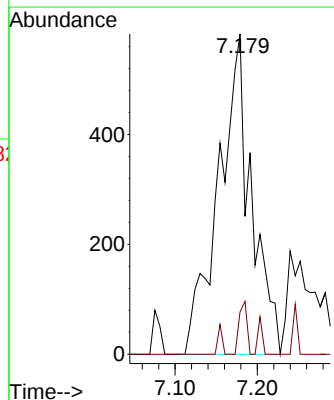
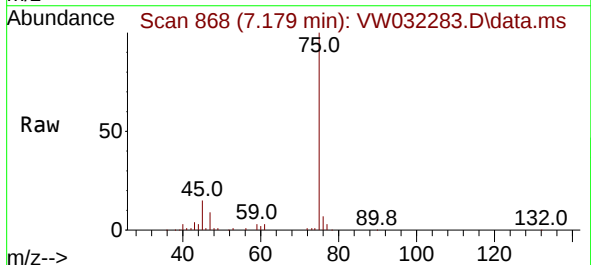
Instrument :
MSVOA_W
ClientSampleId :
WC-2-VOC

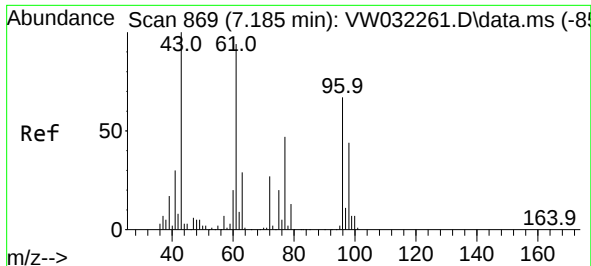
Tgt Ion:	84	Resp:	25091
Ion	Ratio	Lower	Upper
84	100		
49	119.8	97.8	146.6
51	40.7	29.9	44.9
86	54.5	51.3	76.9



#25
2-Butanone
Concen: 1.924 ug/l
RT: 7.179 min Scan# 868
Delta R.T. -0.012 min
Lab File: VW032283.D
Acq: 26 Sep 2025 16:15

Tgt Ion:	43	Resp:	1616
Ion	Ratio	Lower	Upper
43	100		
72	13.2	22.3	33.5#

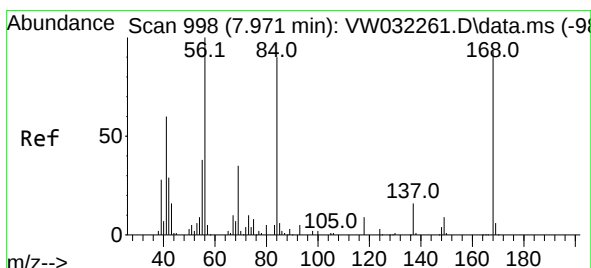
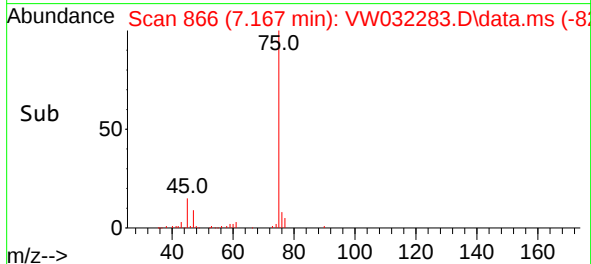
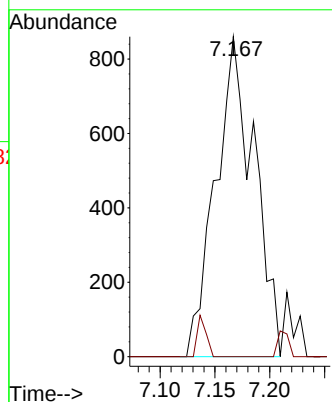
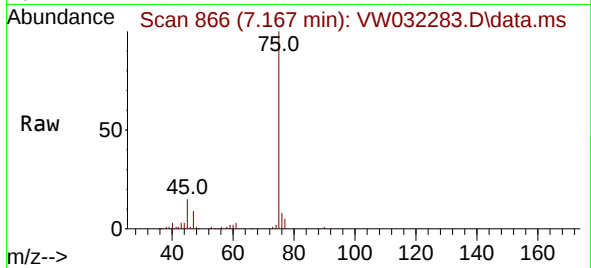




#26
2,2-Dichloropropane
Concen: 1.115 ug/l
RT: 7.167 min Scan# 80
Delta R.T. -0.018 min
Lab File: VW032283.D
Acq: 26 Sep 2025 16:15

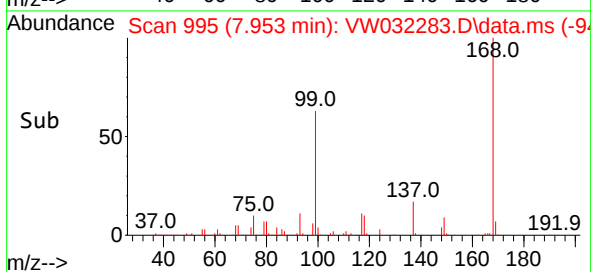
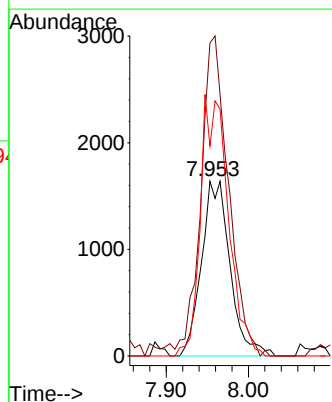
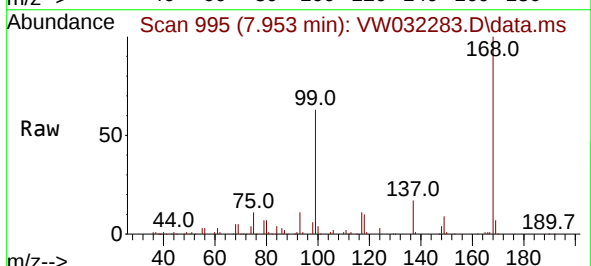
Instrument :
MSVOA_W
ClientSampleId :
WC-2-VOC

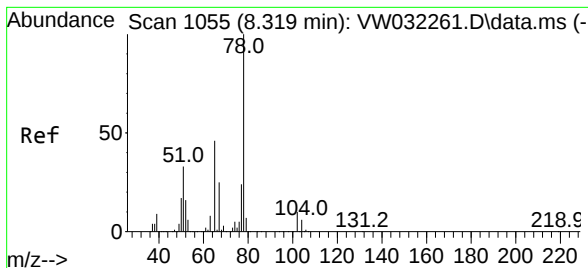
Tgt Ion: 77 Resp: 2111
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.0#



#31
Cyclohexane
Concen: 1.306 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW032283.D
Acq: 26 Sep 2025 16:15

Tgt Ion: 56 Resp: 3957
Ion Ratio Lower Upper
56 100
69 179.2 28.2 42.2#
84 120.3 71.8 107.6#

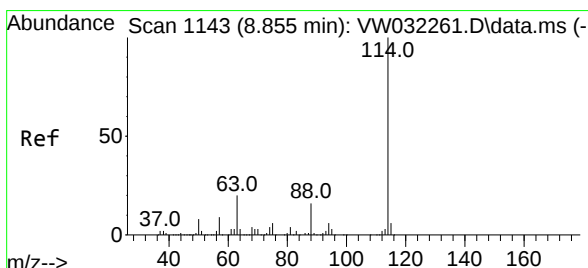
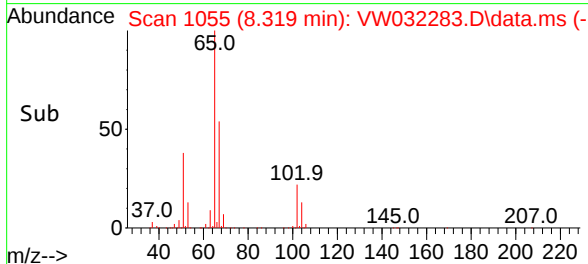
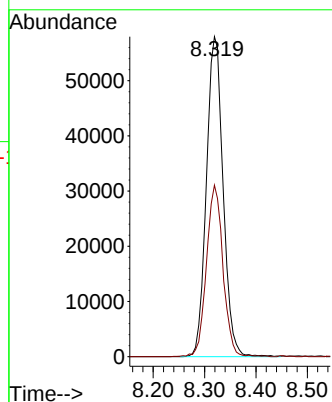
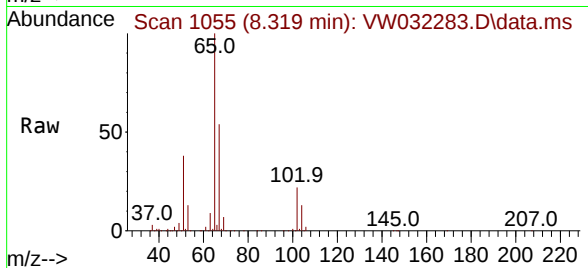




#33
 1,2-Dichloroethane-d4
 Concen: 55.747 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032283.D
 Acq: 26 Sep 2025 16:15

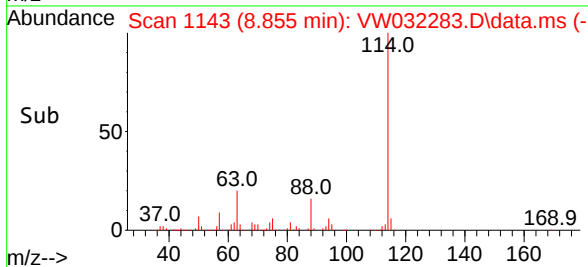
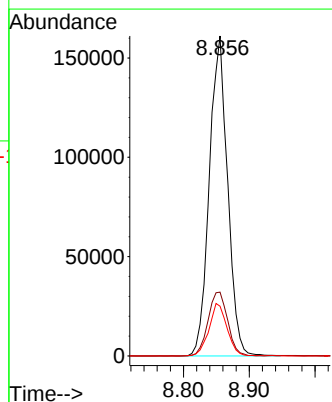
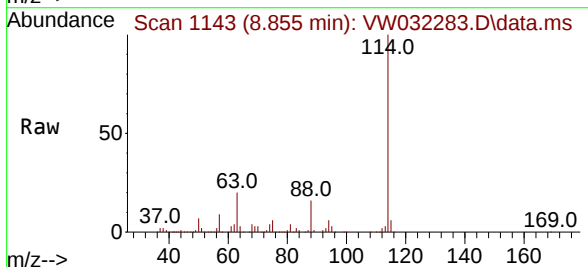
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 WC-2-VOC

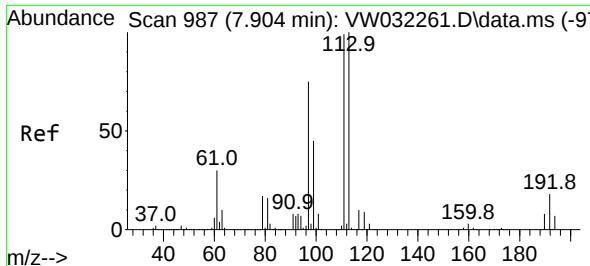
Tgt Ion: 65 Resp: 130799
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: VW032283.D
 Acq: 26 Sep 2025 16:15

Tgt Ion: 114 Resp: 311000
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.2
 88 15.6 0.0 32.0

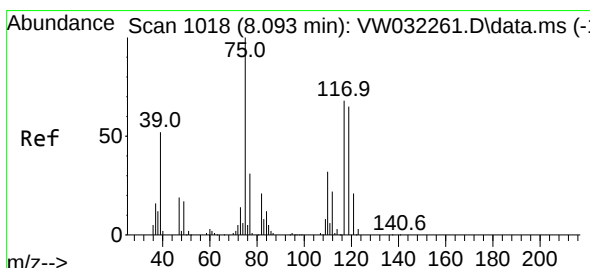
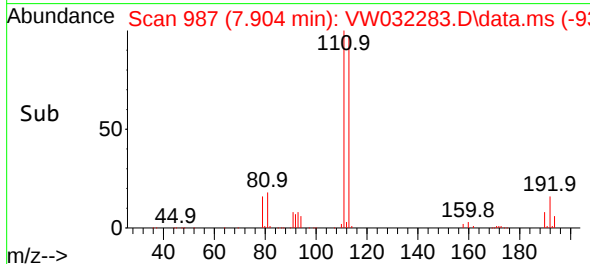
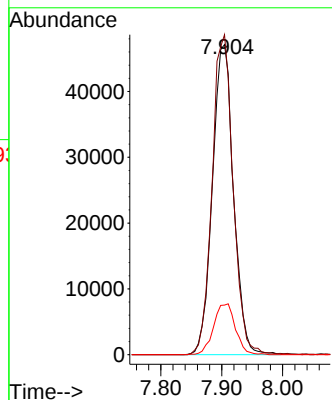
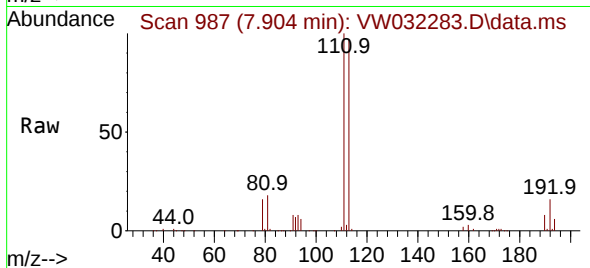




#35
 Dibromofluoromethane
 Concen: 50.692 ug/l
 RT: 7.904 min Scan# 911
 Delta R.T. 0.000 min
 Lab File: VW032283.D
 Acq: 26 Sep 2025 16:15

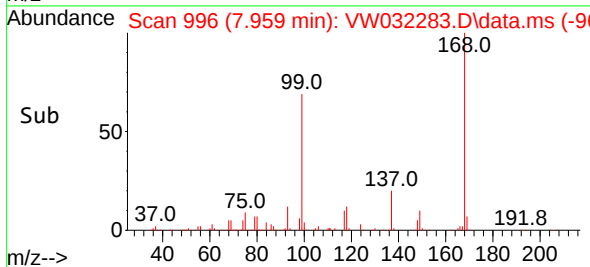
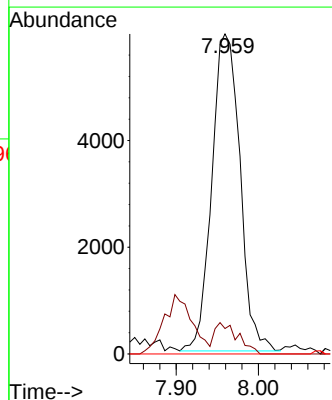
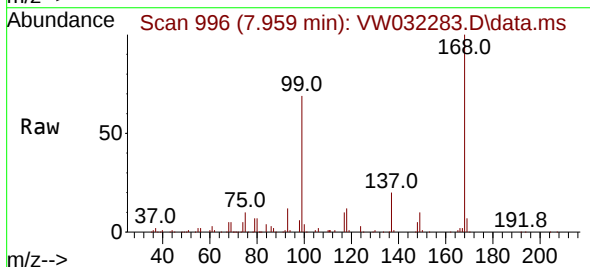
Instrument :
 MSVOA_W
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 WC-2-VOC

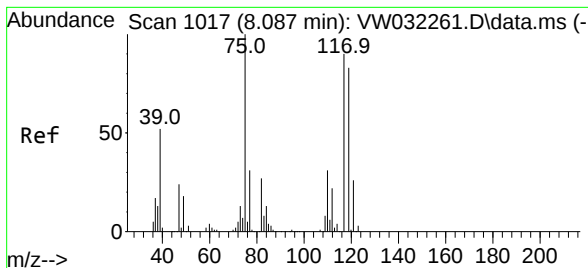
Tgt Ion:113 Resp: 113379
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.8 122.8
 192 17.0 13.0 19.4



#36
 1,1-Dichloropropene
 Concen: 4.697 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.134 min
 Lab File: VW032283.D
 Acq: 26 Sep 2025 16:15

Tgt Ion: 75 Resp: 14163
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.7 50.1#
 77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 5.676 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.122 min

Lab File: VW032283.D

Acq: 26 Sep 2025 16:15

Instrument :

MSVOA_W

ClientSampleId :

WC-2-VOC

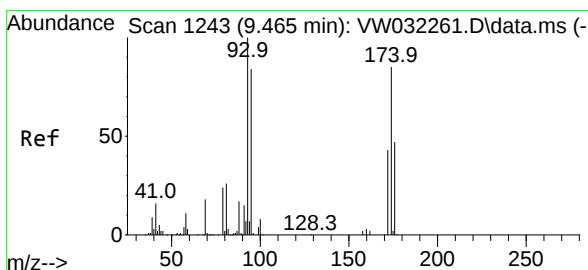
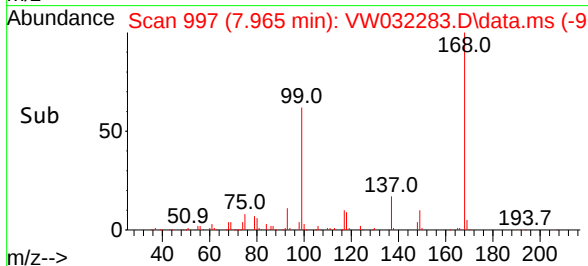
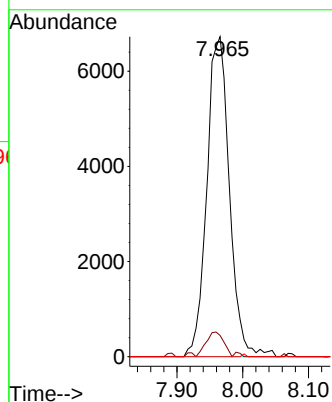
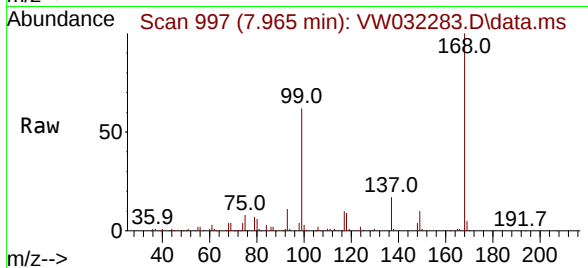
Tgt Ion:117 Resp: 16104

Ion Ratio Lower Upper

117 100

119 6.7 73.9 110.9#

121 0.0 23.0 34.6#



#49

1,4-Dioxane

Concen: 1.729 ug/l

RT: 9.721 min Scan# 1285

Delta R.T. 0.256 min

Lab File: VW032283.D

Acq: 26 Sep 2025 16:15

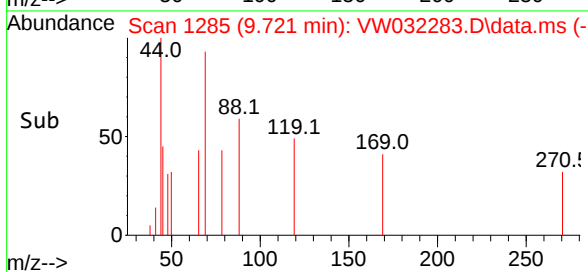
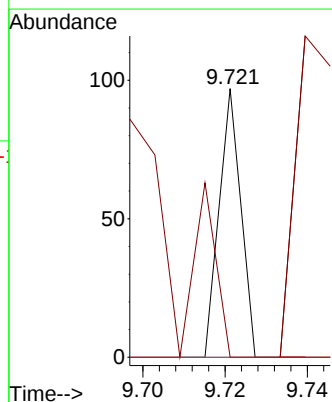
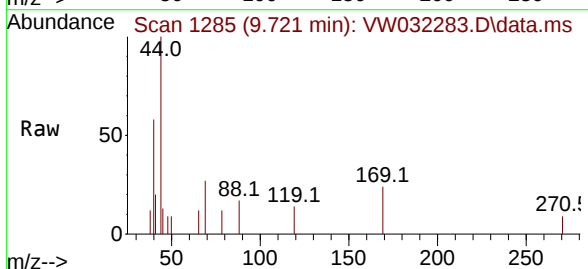
Tgt Ion: 88 Resp: 35

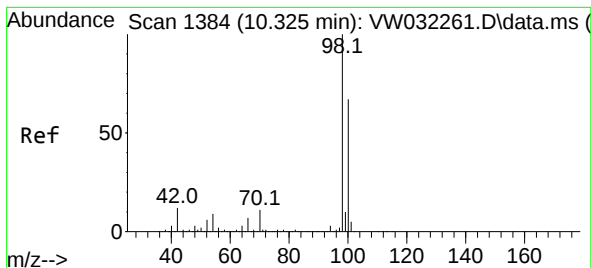
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 62.9 94.3#





#50

Toluene-d8

Concen: 48.723 ug/l

RT: 10.325 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW032283.D

Acq: 26 Sep 2025 16:15

Instrument :

MSVOA_W

ClientSampleId :

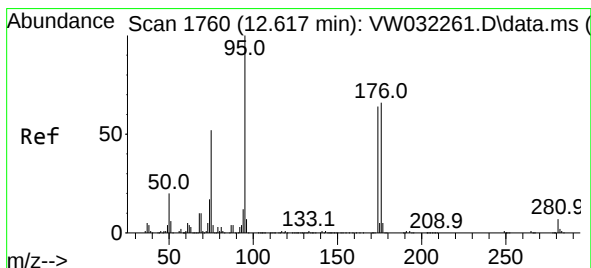
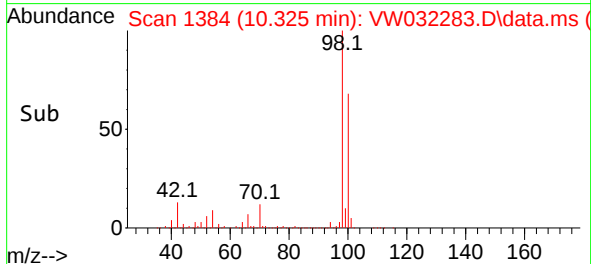
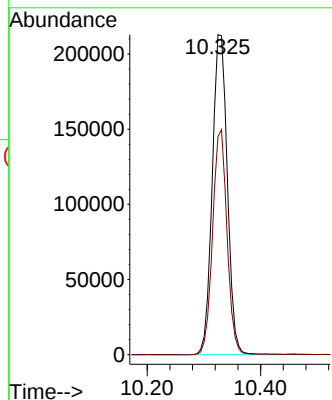
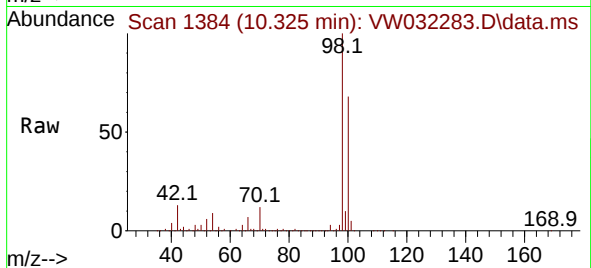
WC-2-VOC

Tgt Ion: 98 Resp: 392741

Ion Ratio Lower Upper

98 100

100 67.4 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 42.723 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. 0.000 min

Lab File: VW032283.D

Acq: 26 Sep 2025 16:15

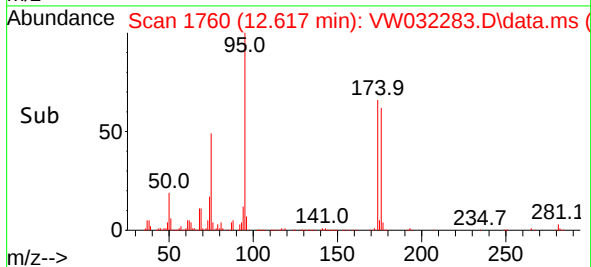
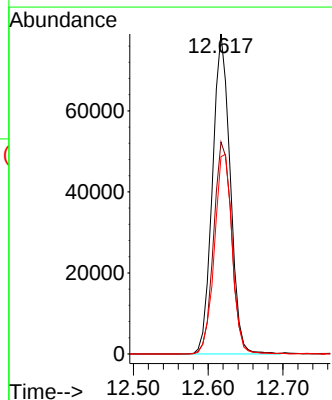
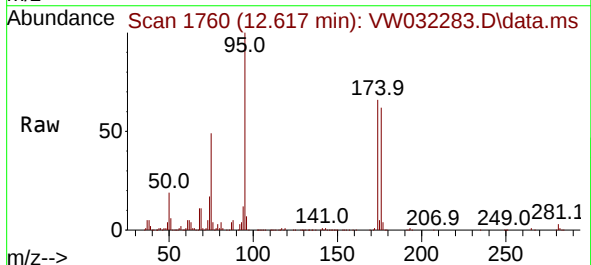
Tgt Ion: 95 Resp: 129900

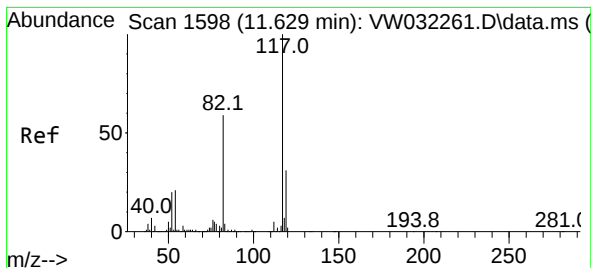
Ion Ratio Lower Upper

95 100

174 67.7 0.0 130.6

176 62.7 0.0 127.0

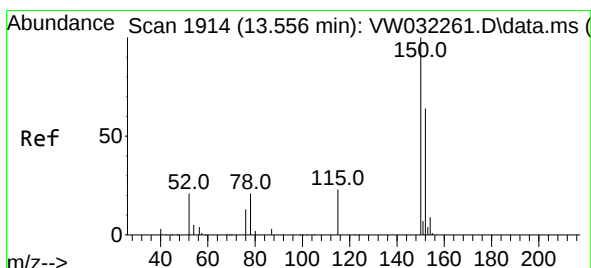
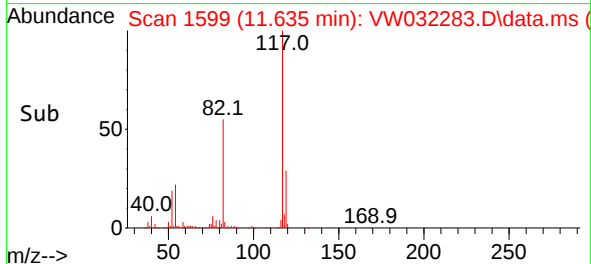
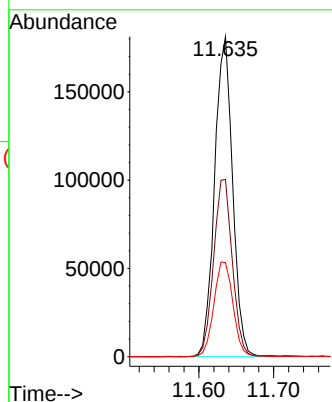
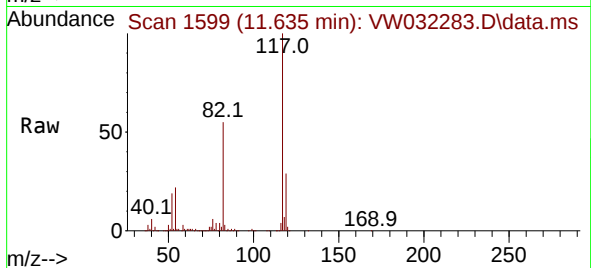




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032283.D
Acq: 26 Sep 2025 16:15

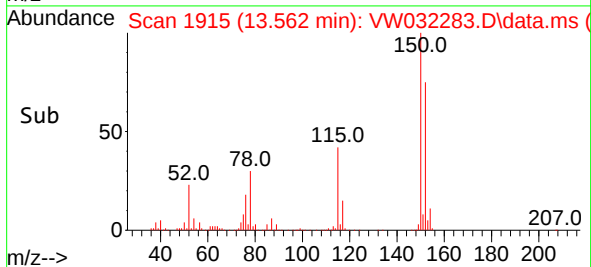
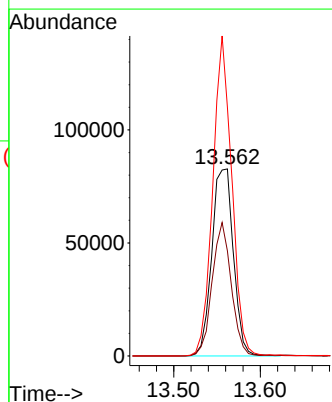
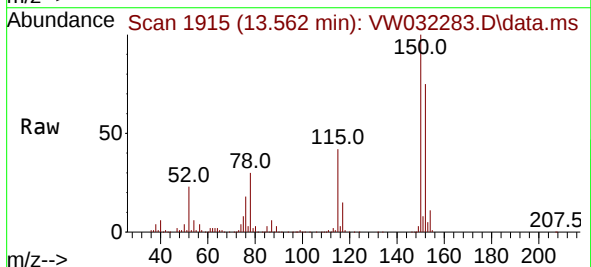
Instrument :
MSVOA_W
ClientSampleId :
WC-2-VOC

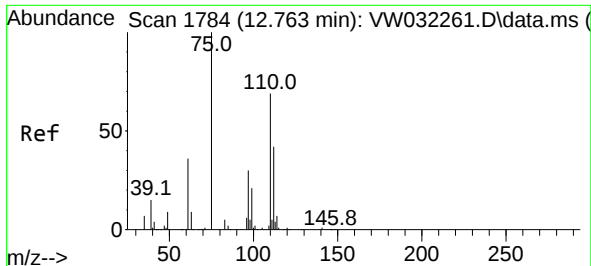
Tgt Ion:117 Resp: 303357
Ion Ratio Lower Upper
117 100
82 55.4 46.9 70.3
119 29.3 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.562 min Scan# 1915
Delta R.T. 0.006 min
Lab File: VW032283.D
Acq: 26 Sep 2025 16:15

Tgt Ion:152 Resp: 143628
Ion Ratio Lower Upper
152 100
115 63.3 32.5 97.5
150 150.2 0.0 370.2

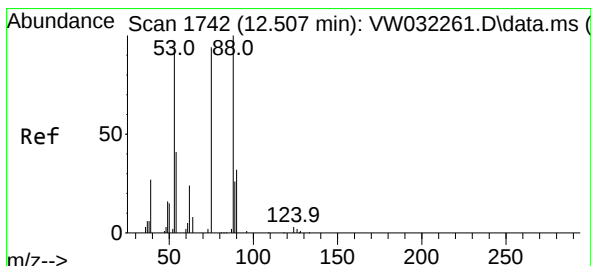
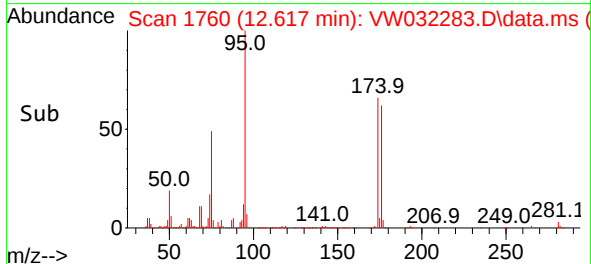
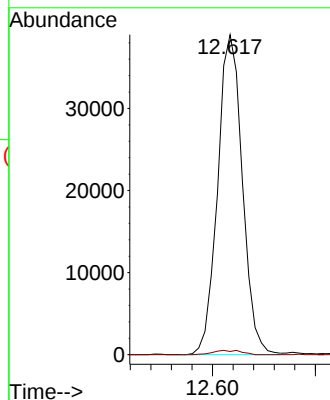
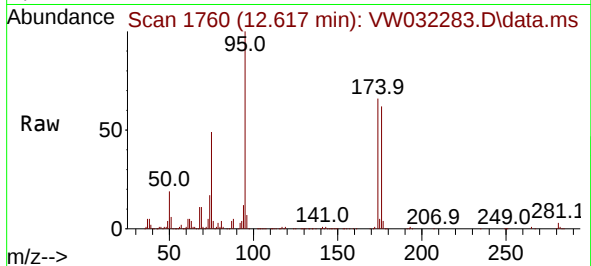




#76
1,2,3-Trichloropropane
Concen: 32.897 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032283.D
Acq: 26 Sep 2025 16:15

Instrument :
MSVOA_W
ClientSampleId :
WC-2-VOC

Tgt Ion: 75 Resp: 65004
Ion Ratio Lower Upper
75 100
77 1.5 140.9 422.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.448 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW032283.D
Acq: 26 Sep 2025 16:15

Tgt Ion: 75 Resp: 65004
Ion Ratio Lower Upper
75 100
53 0.2 81.4 122.2#
89 0.0 35.4 53.2#

