

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
 Data File : VW032480.D
 Acq On : 18 Nov 2025 14:46
 Operator : SY/MD
 Sample : Q3652-03
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1-VOC

Quant Time: Nov 19 00:28:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

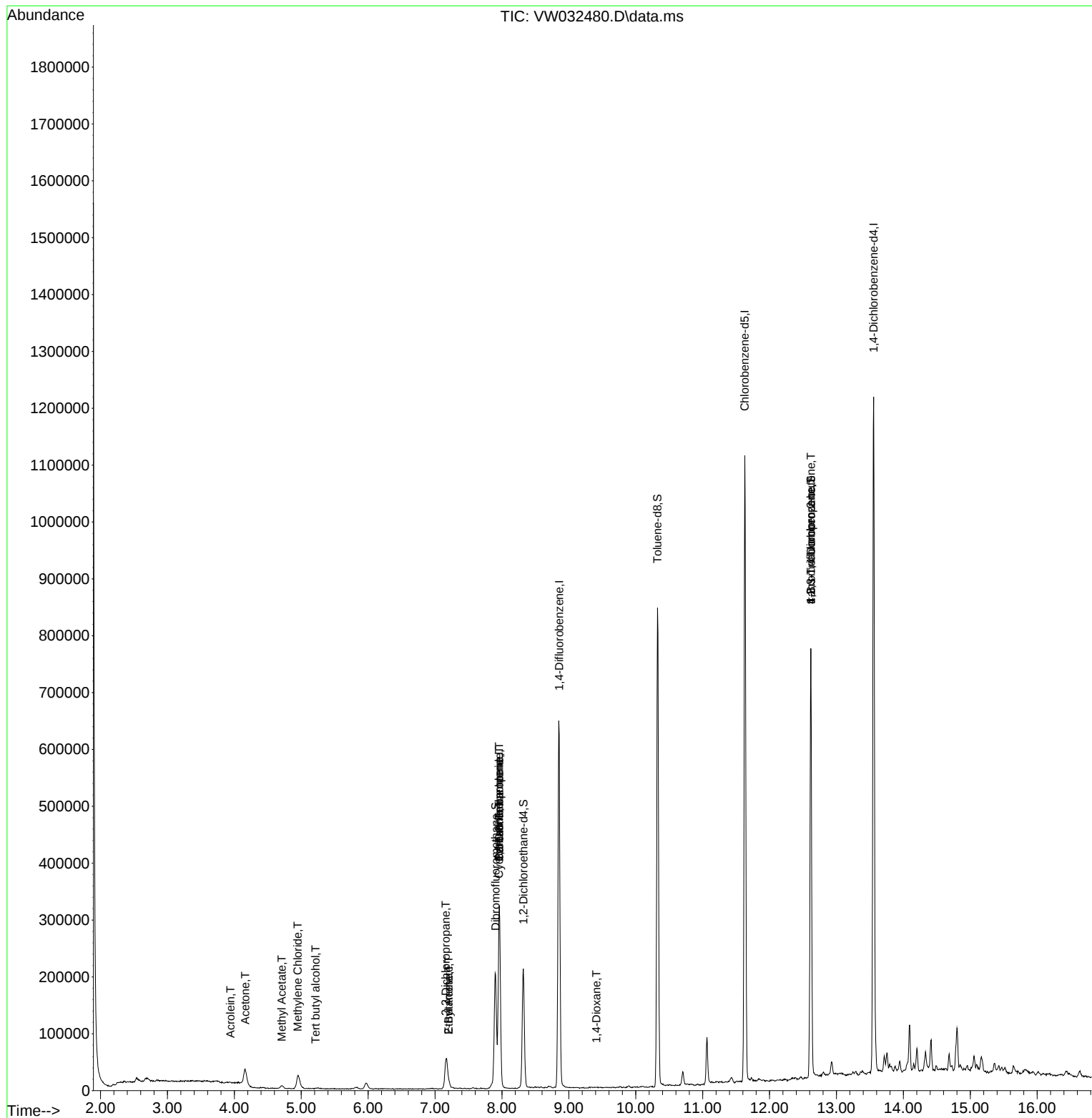
Internal Standards						
1) Pentafluorobenzene	7.959	168	233658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	540272	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	586209	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	310474	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	168116	55.808	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	111.620%	
35) Dibromofluoromethane	7.904	113	155116	47.953	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	95.900%	
50) Toluene-d8	10.325	98	564028	45.451	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	90.900%	
62) 4-Bromofluorobenzene	12.617	95	272260	58.078	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	116.160%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.216	59	570	2.188	ug/l #	7
13) Acrolein	3.942	56	1698	3.885	ug/l #	14
16) Acetone	4.161	43	45104	50.047	ug/l	91
18) Methyl Acetate	4.710	43	10357	4.641	ug/l	95
20) Methylene Chloride	4.948	84	19593	6.079	ug/l	92
25) 2-Butanone	7.203	43	14632	11.020	ug/l	95
26) 2,2-Dichloropropane	7.161	77	4142	1.379	ug/l #	51
31) Cyclohexane	7.953	56	6223	1.249	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	20489	4.299	ug/l #	49
37) Ethyl Acetate	7.203	43	14632	4.129	ug/l #	70
38) Carbon Tetrachloride	7.959	117	24372	5.755	ug/l #	18
49) 1,4-Dioxane	9.410	88	65	2.078	ug/l #	39
76) 1,2,3-Trichloropropane	12.617	75	134054	31.489	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	134054	72.125	ug/l #	11

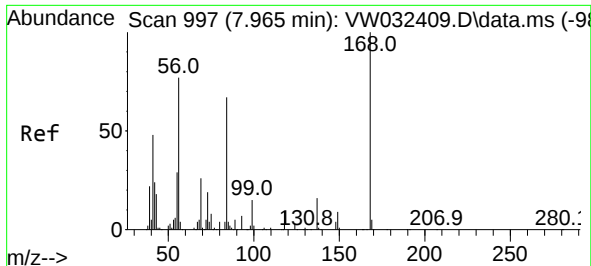
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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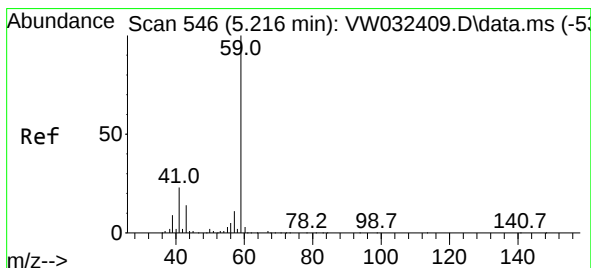
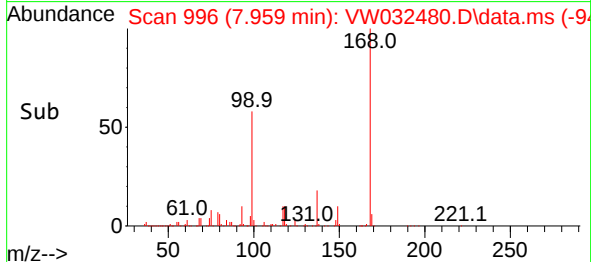
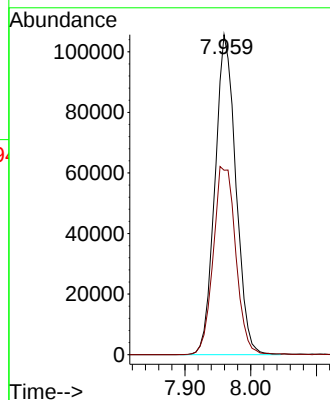
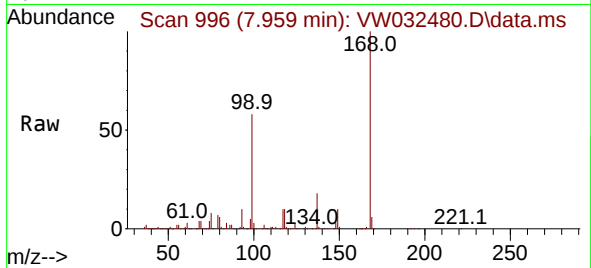




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032480.D
Acq: 18 Nov 2025 14:46

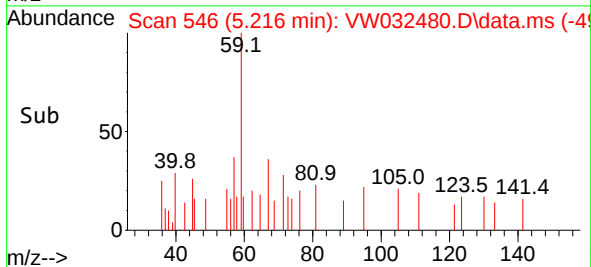
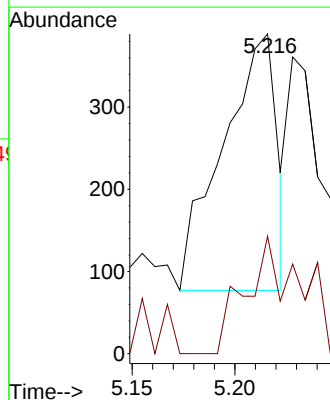
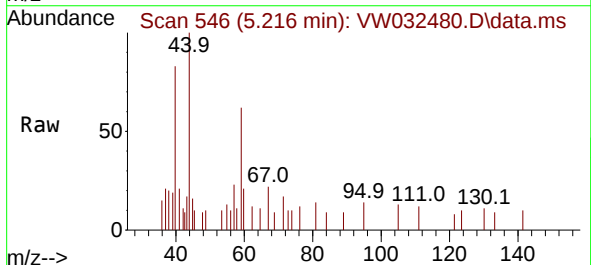
Instrument :
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ClientSampleId :
TP-1-VOC

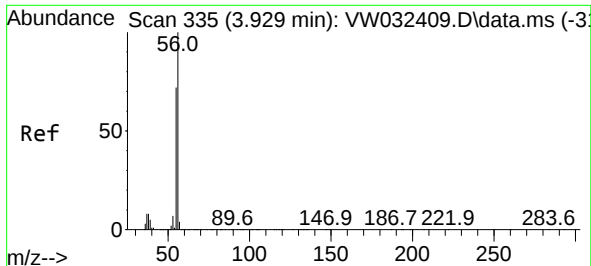
Tgt Ion:168 Resp: 233658
Ion Ratio Lower Upper
168 100
99 57.6 45.4 68.2



#11
Tert butyl alcohol
Concen: 2.188 ug/l
RT: 5.216 min Scan# 546
Delta R.T. 0.000 min
Lab File: VW032480.D
Acq: 18 Nov 2025 14:46

Tgt Ion: 59 Resp: 570
Ion Ratio Lower Upper
59 100
57 45.8 8.6 12.8#

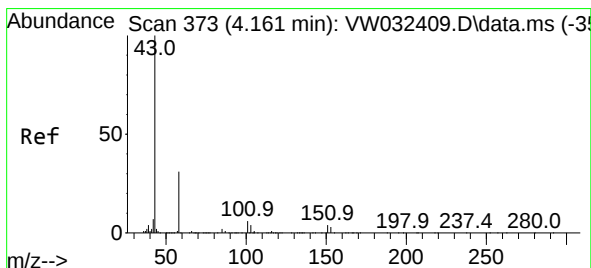
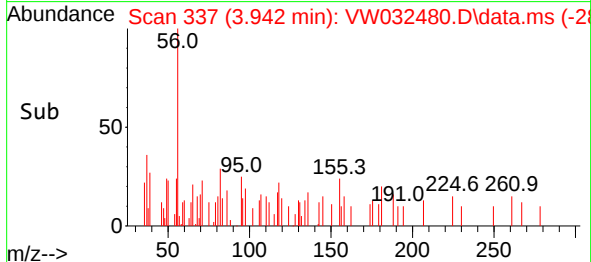
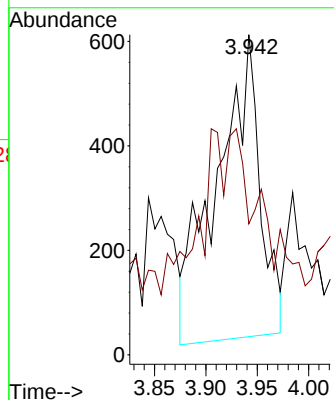
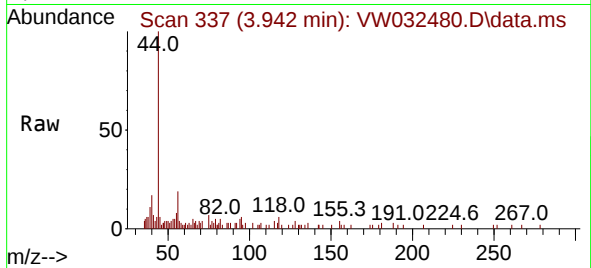




#13
Acrolein
Concen: 3.885 ug/l
RT: 3.942 min Scan# 311
Delta R.T. 0.012 min
Lab File: VW032480.D
Acq: 18 Nov 2025 14:46

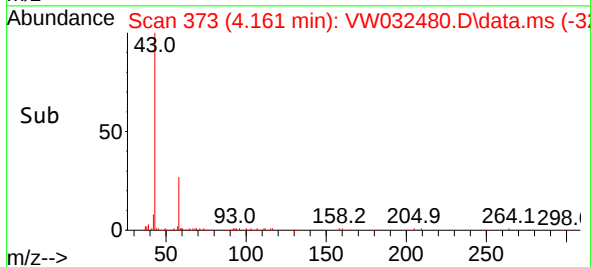
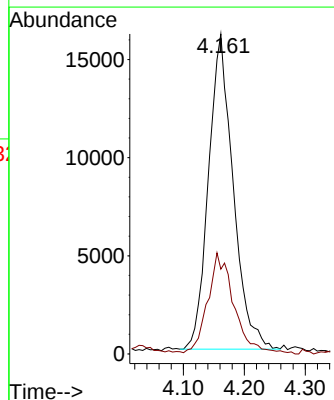
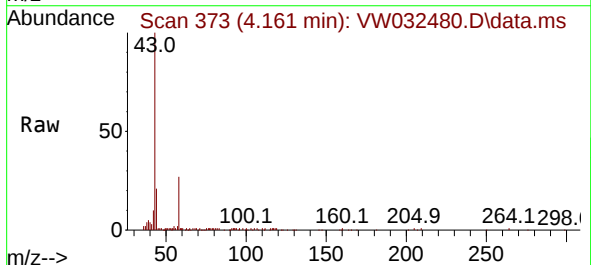
Instrument :
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ClientSampleId :
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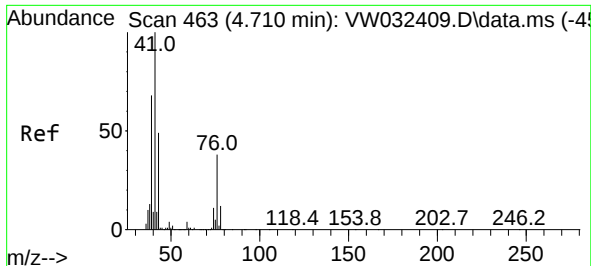
Tgt Ion: 56 Resp: 1698
Ion Ratio Lower Upper
56 100
55 0.0 56.3 84.5#



#16
Acetone
Concen: 50.047 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032480.D
Acq: 18 Nov 2025 14:46

Tgt Ion: 43 Resp: 45104
Ion Ratio Lower Upper
43 100
58 26.2 24.8 37.2

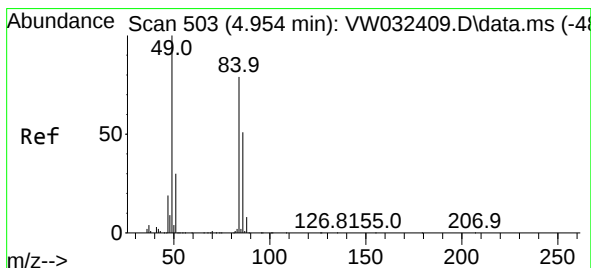
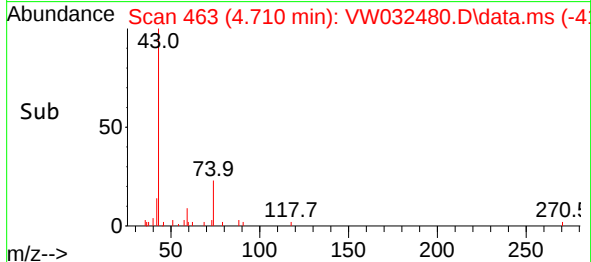
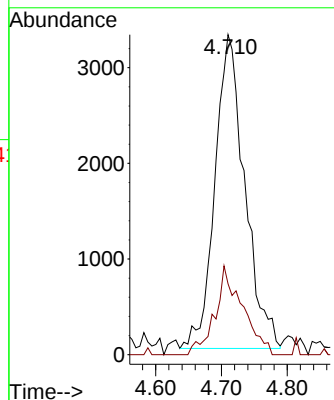
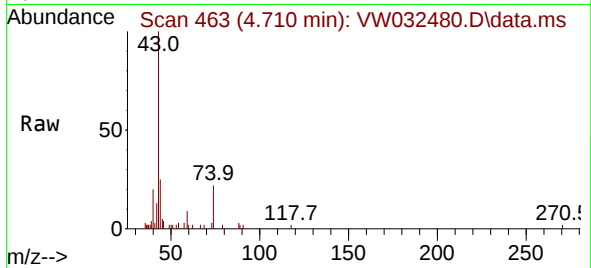




#18
Methyl Acetate
Concen: 4.641 ug/l
RT: 4.710 min Scan# 40
Delta R.T. 0.000 min
Lab File: VW032480.D
Acq: 18 Nov 2025 14:46

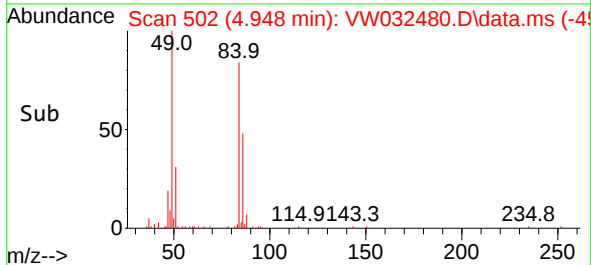
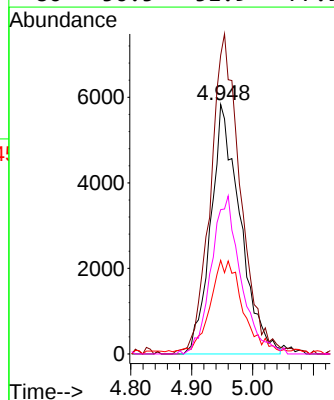
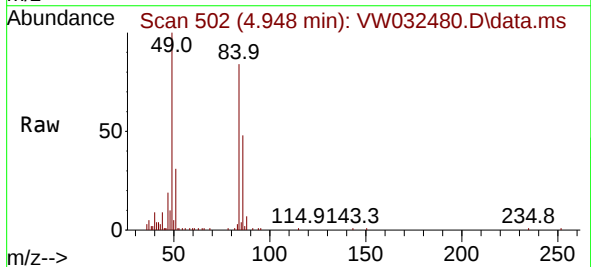
Instrument :
MSVOA_W
ClientSampleId :
TP-1-VOC

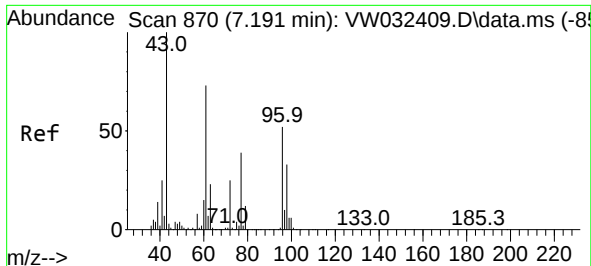
Tgt Ion: 43 Resp: 10357
Ion Ratio Lower Upper
43 100
74 26.0 18.9 28.3



#20
Methylene Chloride
Concen: 6.079 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.006 min
Lab File: VW032480.D
Acq: 18 Nov 2025 14:46

Tgt Ion: 84 Resp: 19593
Ion Ratio Lower Upper
84 100
49 118.2 101.5 152.3
51 36.3 30.6 46.0
86 56.5 51.9 77.9

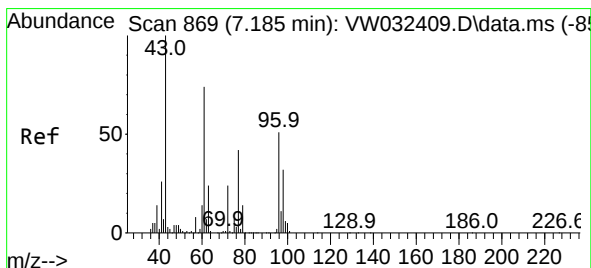
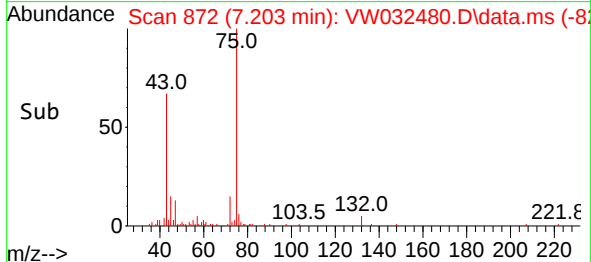
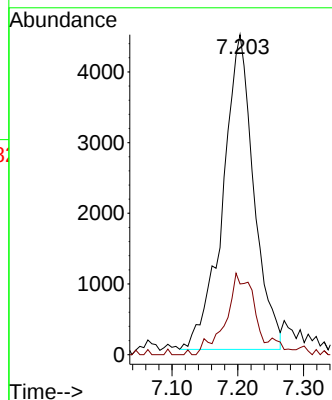
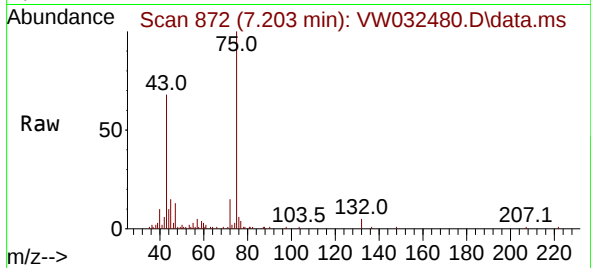




#25
2-Butanone
Concen: 11.020 ug/l
RT: 7.203 min Scan# 81
Delta R.T. 0.012 min
Lab File: VW032480.D
Acq: 18 Nov 2025 14:46

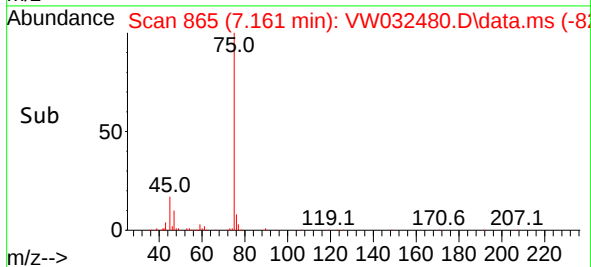
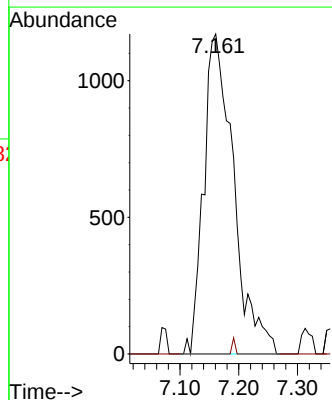
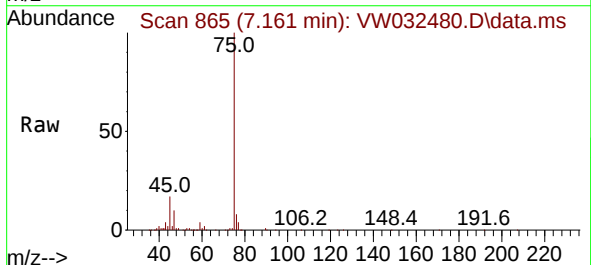
Instrument :
MSVOA_W
ClientSampleId :
TP-1-VOC

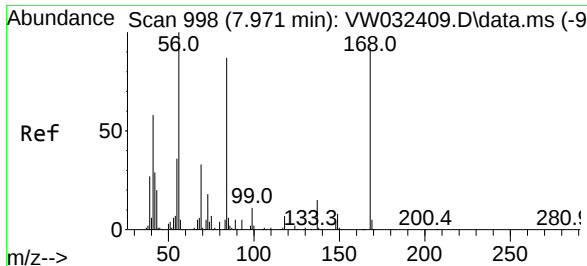
Tgt Ion: 43 Resp: 14632
Ion Ratio Lower Upper
43 100
72 22.5 20.0 30.0



#26
2,2-Dichloropropane
Concen: 1.379 ug/l
RT: 7.161 min Scan# 865
Delta R.T. -0.024 min
Lab File: VW032480.D
Acq: 18 Nov 2025 14:46

Tgt Ion: 77 Resp: 4142
Ion Ratio Lower Upper
77 100
97 0.0 12.3 36.8#

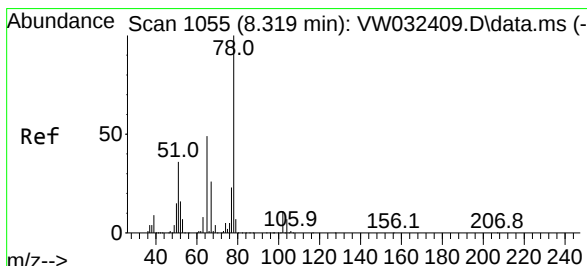
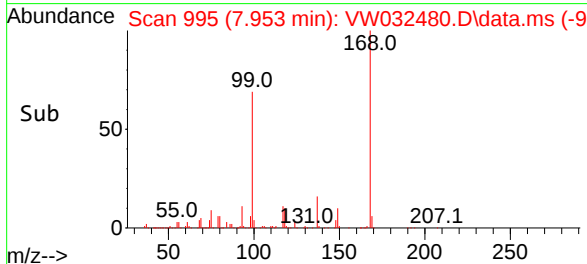
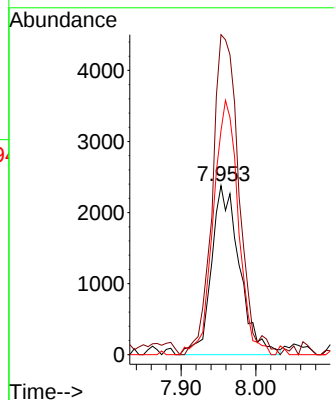
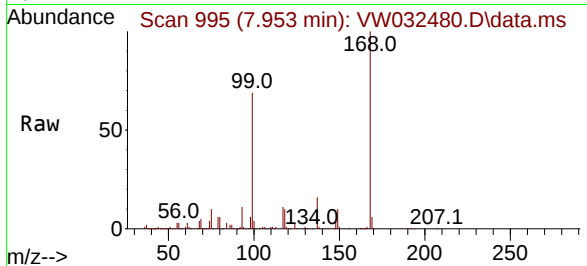




#31
Cyclohexane
Concen: 1.249 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW032480.D
Acq: 18 Nov 2025 14:46

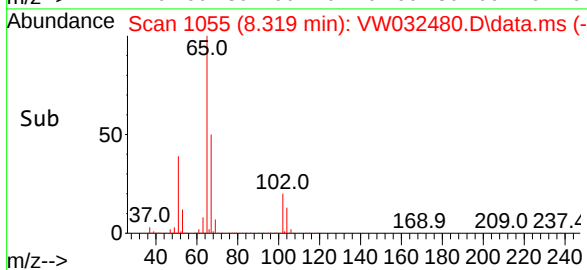
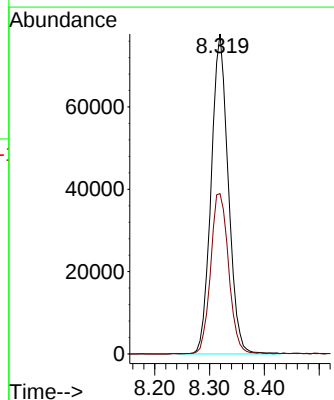
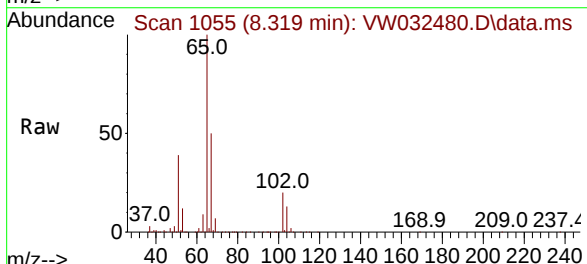
Instrument :
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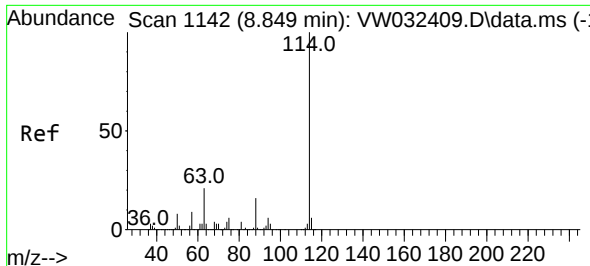
Tgt Ion: 56 Resp: 6223
Ion Ratio Lower Upper
56 100
69 189.4 26.5 39.7#
84 132.6 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 55.808 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032480.D
Acq: 18 Nov 2025 14:46

Tgt Ion: 65 Resp: 168116
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.8

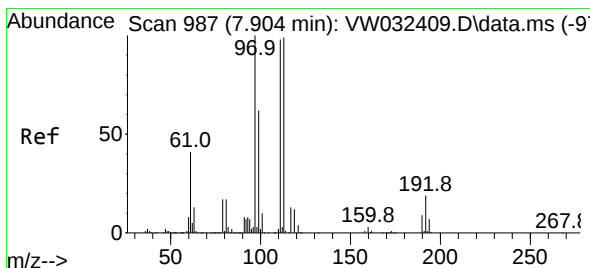
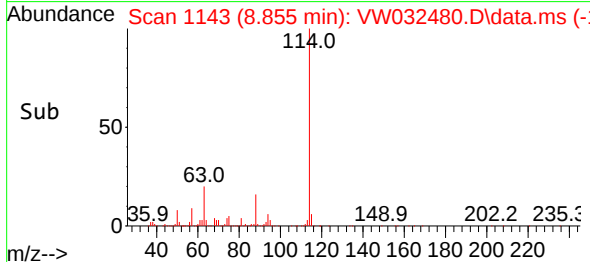
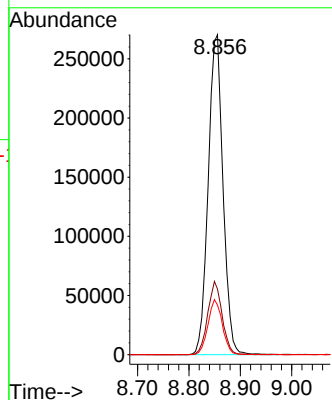
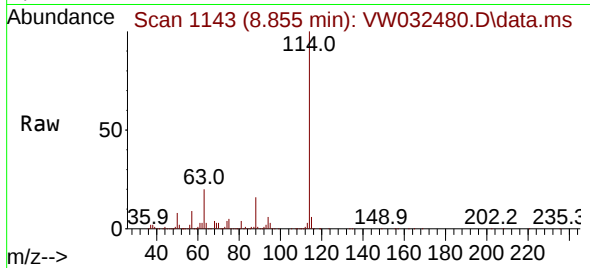




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VW032480.D
Acq: 18 Nov 2025 14:46

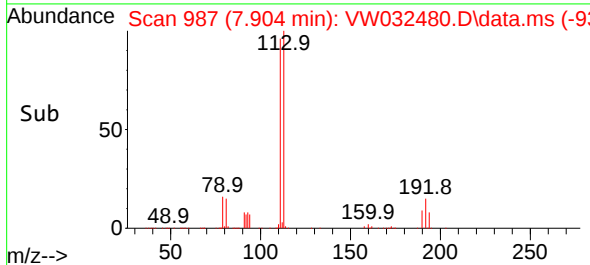
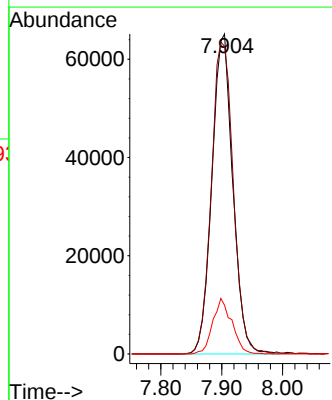
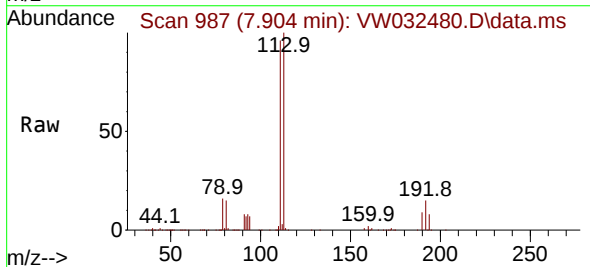
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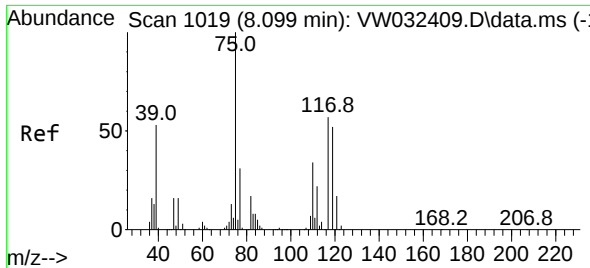
Tgt Ion:114 Resp: 540272
Ion Ratio Lower Upper
114 100
63 20.5 0.0 41.8
88 15.5 0.0 32.6



#35
Dibromofluoromethane
Concen: 47.953 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032480.D
Acq: 18 Nov 2025 14:46

Tgt Ion:113 Resp: 155116
Ion Ratio Lower Upper
113 100
111 102.2 83.1 124.7
192 16.0 13.4 20.2

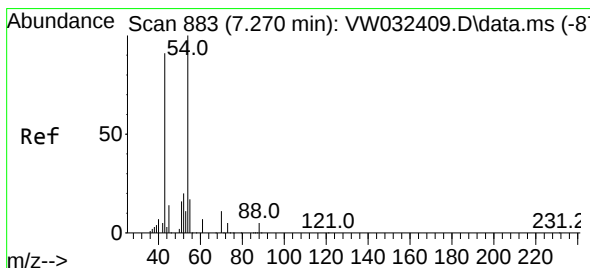
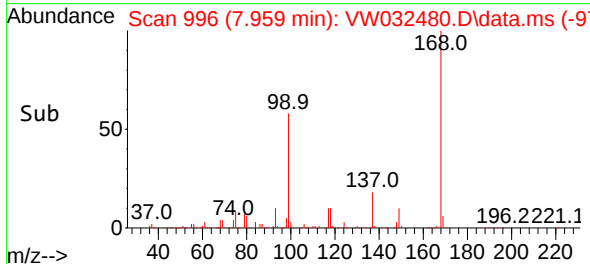
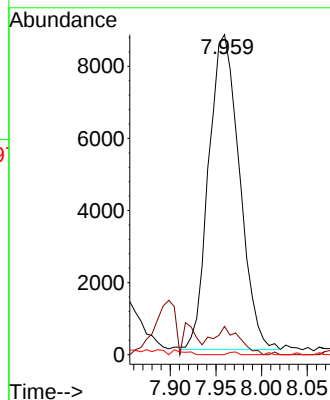
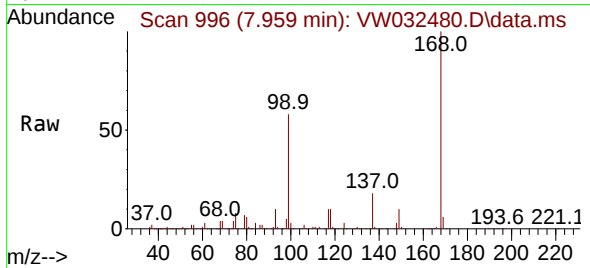




#36
1,1-Dichloropropene
Concen: 4.299 ug/l
RT: 7.959 min Scan# 91
Delta R.T. -0.140 min
Lab File: VW032480.D
Acq: 18 Nov 2025 14:46

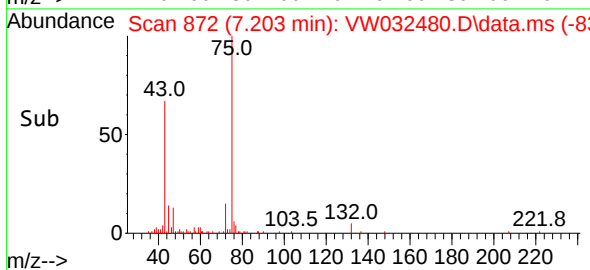
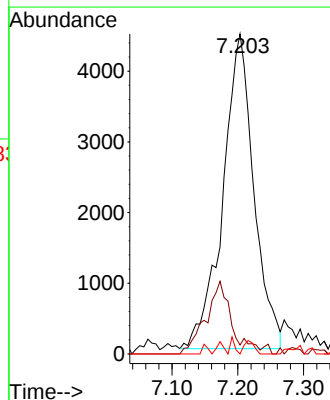
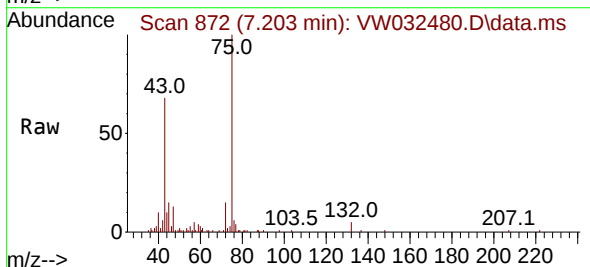
Instrument :
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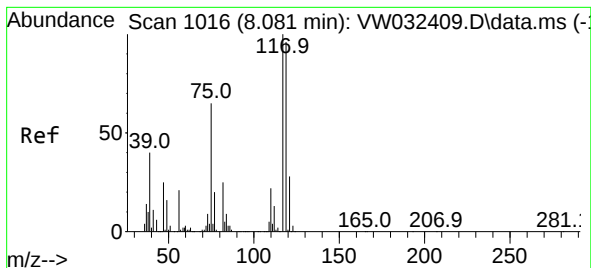
Tgt Ion: 75 Resp: 20489
Ion Ratio Lower Upper
75 100
110 7.7 17.2 51.5#
77 0.2 24.5 36.7#



#37
Ethyl Acetate
Concen: 4.129 ug/l
RT: 7.203 min Scan# 872
Delta R.T. -0.067 min
Lab File: VW032480.D
Acq: 18 Nov 2025 14:46

Tgt Ion: 43 Resp: 14632
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.6#
70 1.4 8.3 12.5#





#38

Carbon Tetrachloride

Concen: 5.755 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW032480.D

Acq: 18 Nov 2025 14:46

Instrument :

MSVOA_W

ClientSampleId :

TP-1-VOC

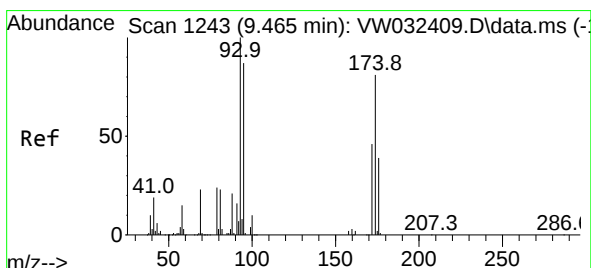
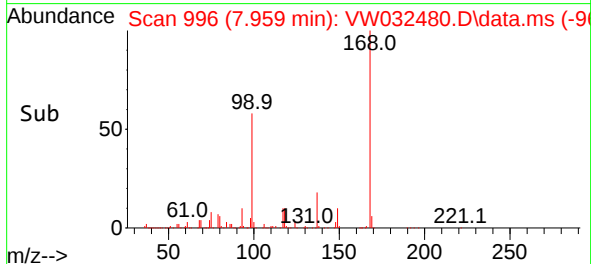
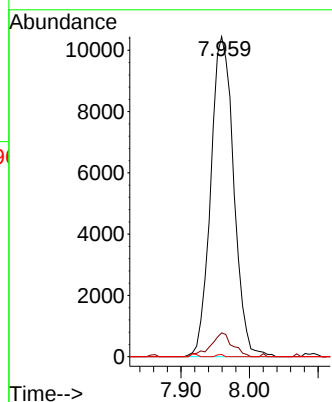
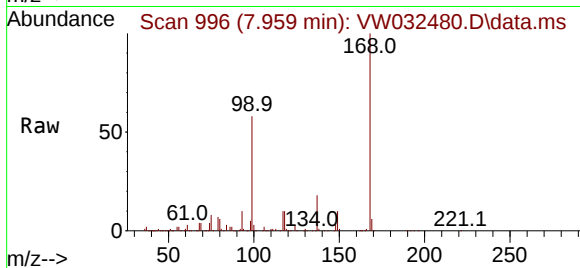
Tgt Ion:117 Resp: 24372

Ion Ratio Lower Upper

117 100

119 7.4 77.0 115.4#

121 0.7 22.0 33.0#



#49

1,4-Dioxane

Concen: 2.078 ug/l

RT: 9.410 min Scan# 1234

Delta R.T. -0.055 min

Lab File: VW032480.D

Acq: 18 Nov 2025 14:46

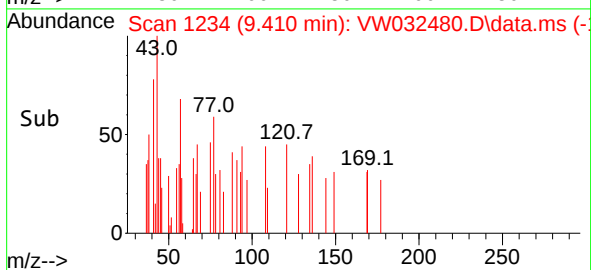
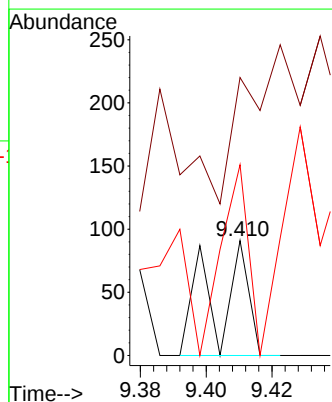
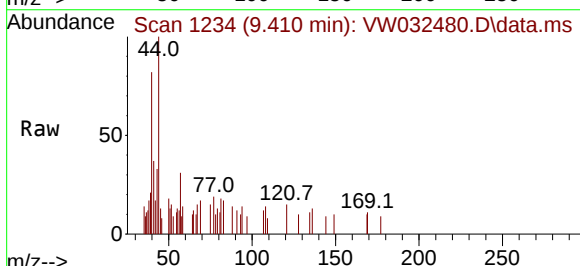
Tgt Ion: 88 Resp: 65

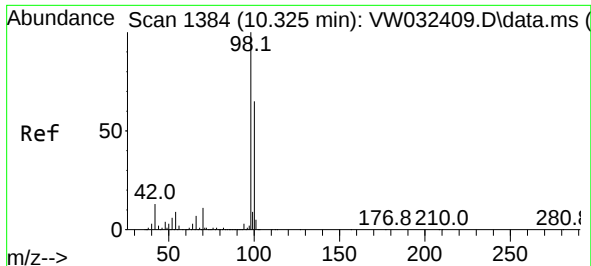
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 132.3 63.0 94.4#

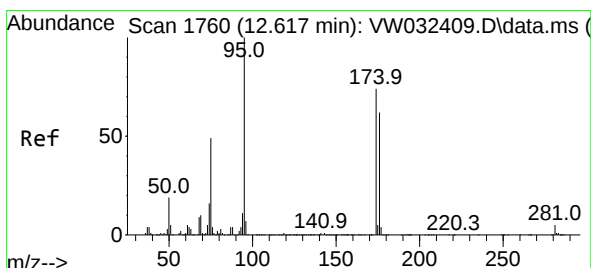
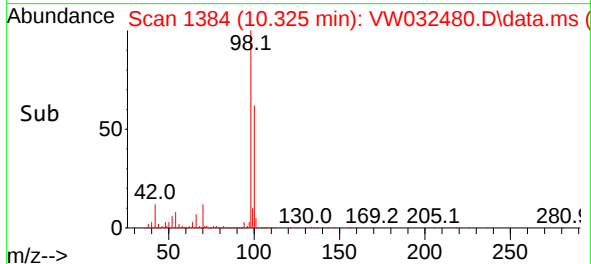
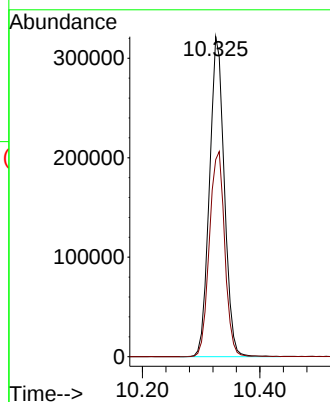
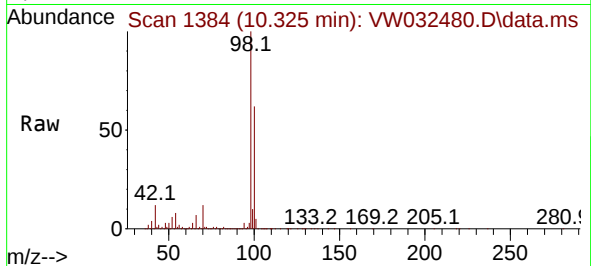




#50
Toluene-d8
Concen: 45.451 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032480.D
Acq: 18 Nov 2025 14:46

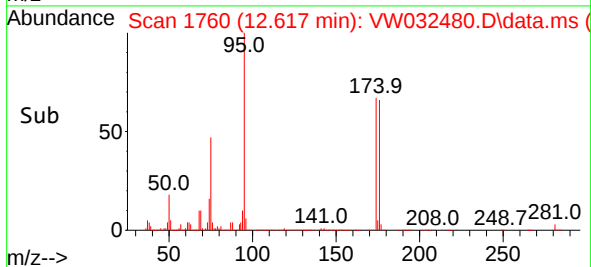
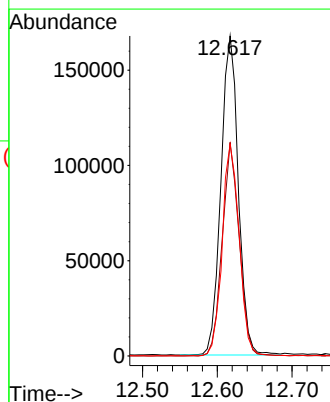
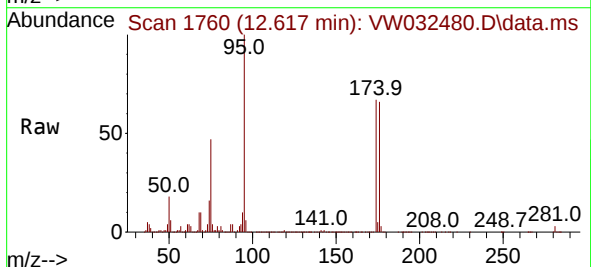
Instrument :
MSVOA_W
ClientSampleId :
TP-1-VOC

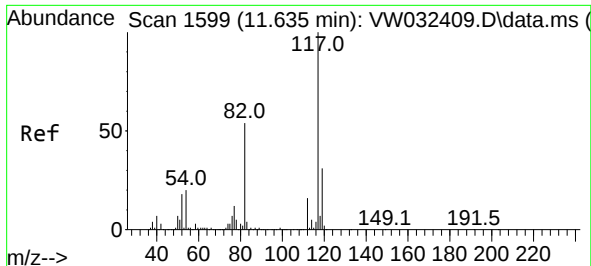
Tgt Ion: 98 Resp: 564028
Ion Ratio Lower Upper
98 100
100 66.4 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 58.078 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032480.D
Acq: 18 Nov 2025 14:46

Tgt Ion: 95 Resp: 272260
Ion Ratio Lower Upper
95 100
174 65.2 0.0 135.4
176 65.1 0.0 131.8

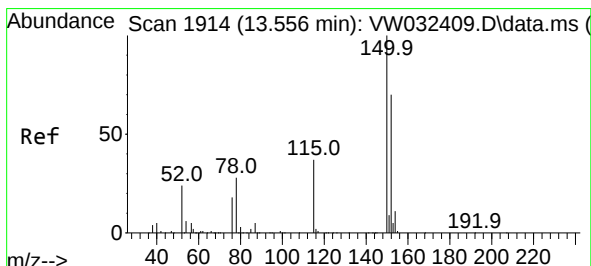
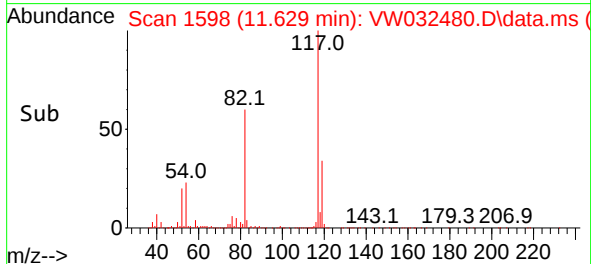
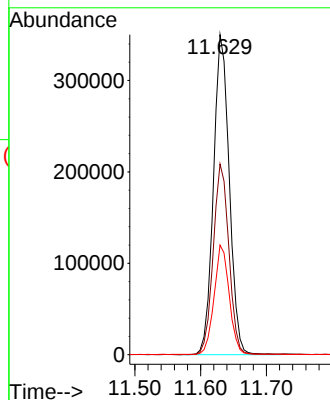
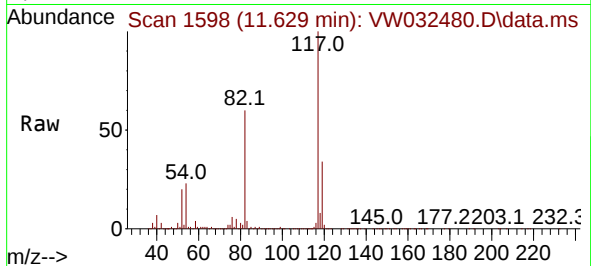




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032480.D
Acq: 18 Nov 2025 14:46

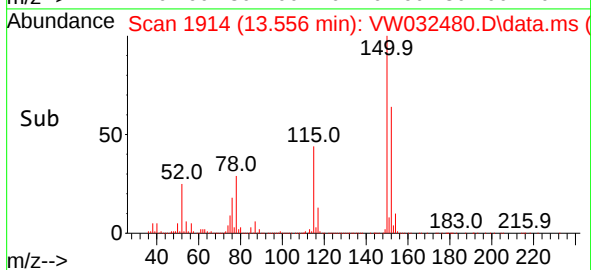
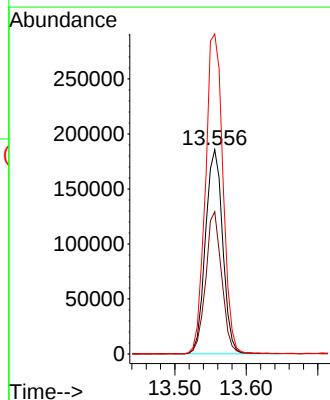
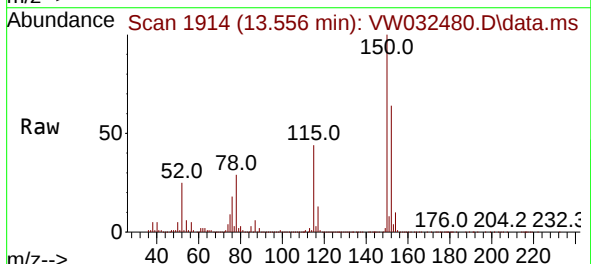
Instrument :
MSVOA_W
ClientSampleId :
TP-1-VOC

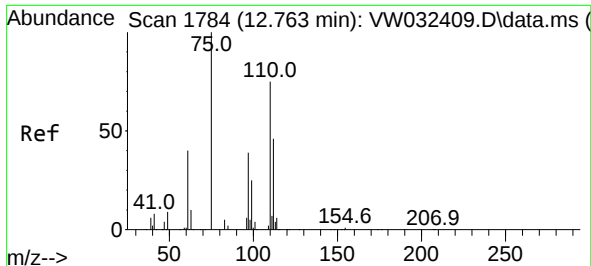
Tgt Ion:117 Resp: 586209
Ion Ratio Lower Upper
117 100
82 59.6 43.0 64.4
119 34.2 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032480.D
Acq: 18 Nov 2025 14:46

Tgt Ion:152 Resp: 310474
Ion Ratio Lower Upper
152 100
115 64.7 32.8 98.3
150 159.9 0.0 356.6

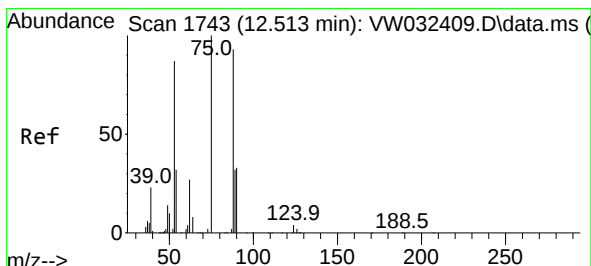
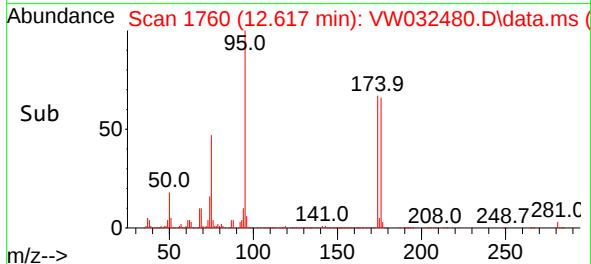
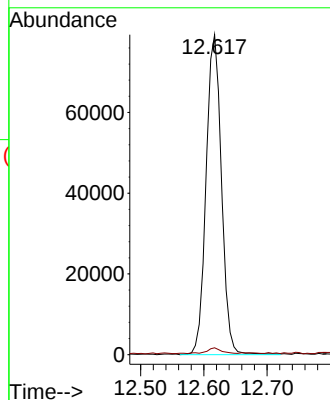
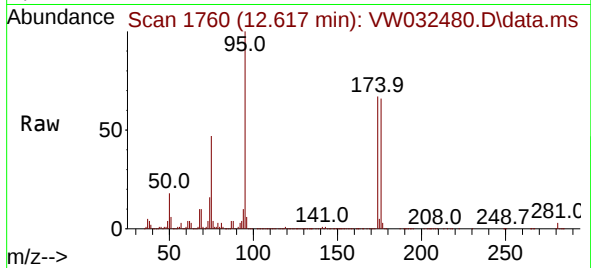




#76
1,2,3-Trichloropropane
Concen: 31.489 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032480.D
Acq: 18 Nov 2025 14:46

Instrument :
MSVOA_W
ClientSampleId :
TP-1-VOC

Tgt Ion: 75 Resp: 134054
Ion Ratio Lower Upper
75 100
77 2.0 151.6 454.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.125 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032480.D
Acq: 18 Nov 2025 14:46

Tgt Ion: 75 Resp: 134054
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 35.6 53.4#

