

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092325\
 Data File : VW032235.D
 Acq On : 23 Sep 2025 11:12
 Operator : SY/MD
 Sample : VW0923SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBL01

Quant Time: Sep 24 03:45:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

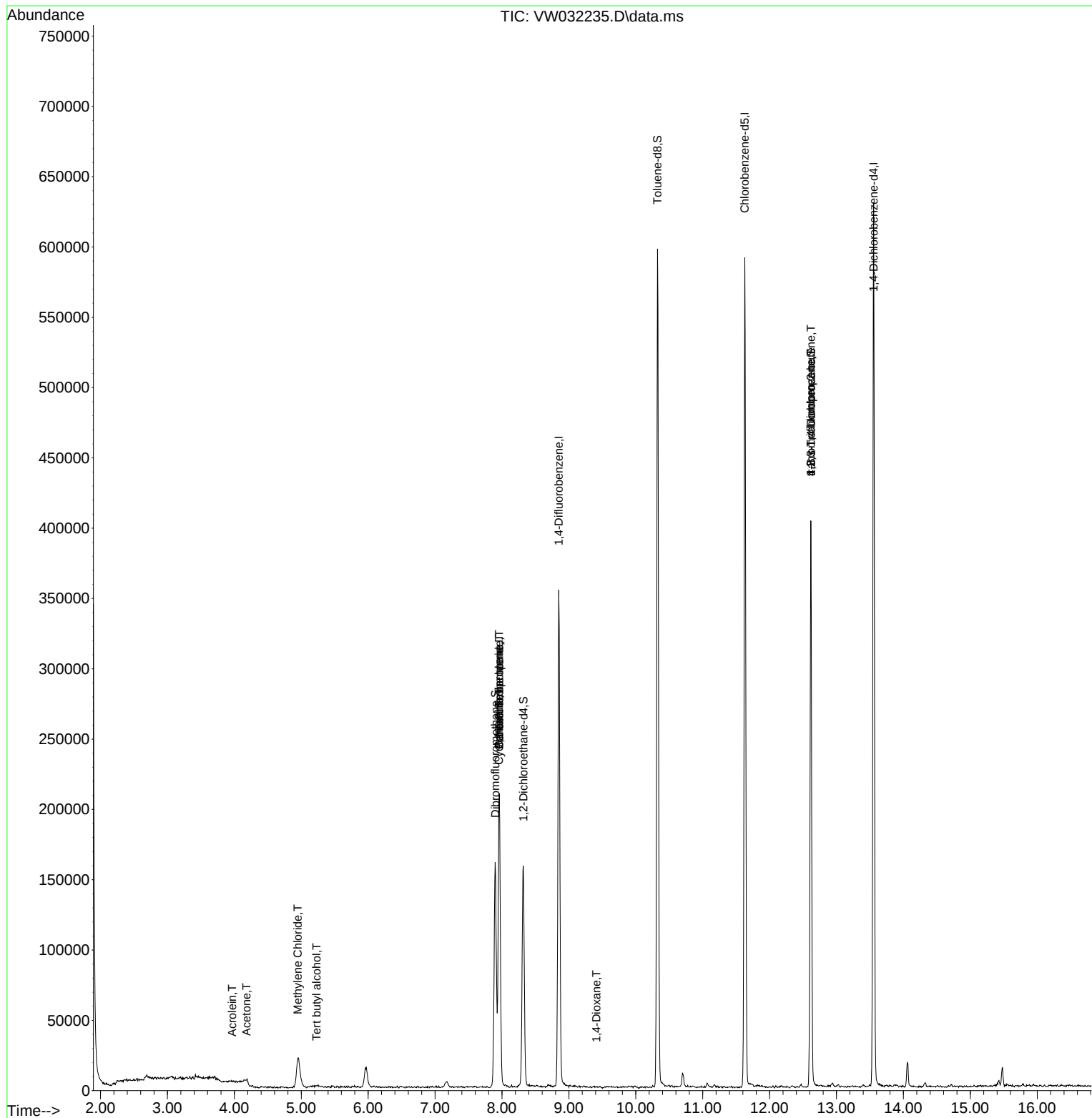
Internal Standards						
1) Pentafluorobenzene	7.959	168	144157	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	287537	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	302439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	151222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	131377	63.725	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 127.440%		
35) Dibromofluoromethane	7.898	113	111679	55.360	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 110.720%		
50) Toluene-d8	10.325	98	379794	53.629	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 107.260%		
62) 4-Bromofluorobenzene	12.617	95	124735	47.632	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 95.260%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.228	59	394	3.124	ug/l #	69
13) Acrolein	3.966	56	266	1.372	ug/l #	14
16) Acetone	4.179	43	3049	6.829	ug/l #	83
20) Methylene Chloride	4.948	84	20327	7.764	ug/l	94
31) Cyclohexane	7.953	56	4190	1.656	ug/l #	48
36) 1,1-Dichloropropene	7.959	75	12650	4.836	ug/l #	51
38) Carbon Tetrachloride	7.959	117	15869	5.659	ug/l #	17
49) 1,4-Dioxane	9.410	88	28	1.695	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	69404	36.634	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	69404	98.636	ug/l #	5

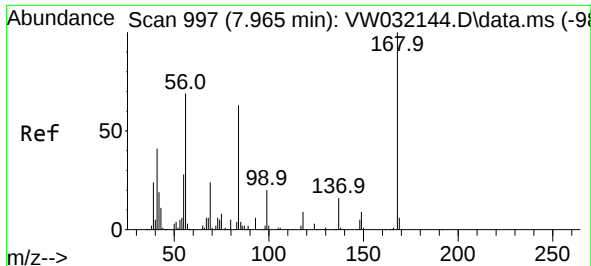
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092325\
Data File : VW032235.D
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Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBL01

Quant Time: Sep 24 03:45:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

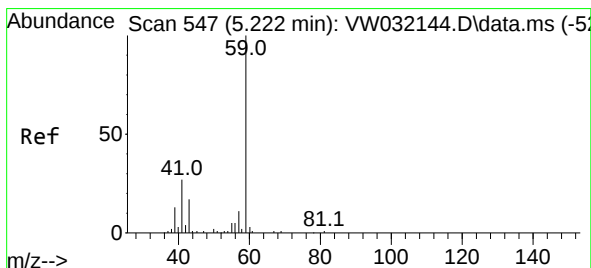
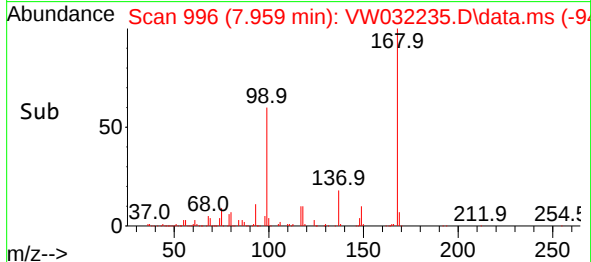
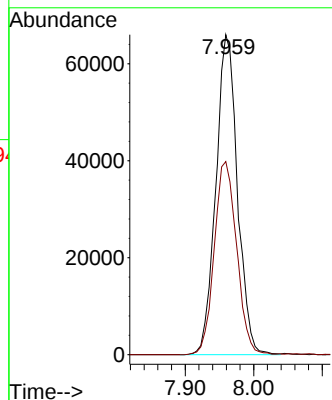
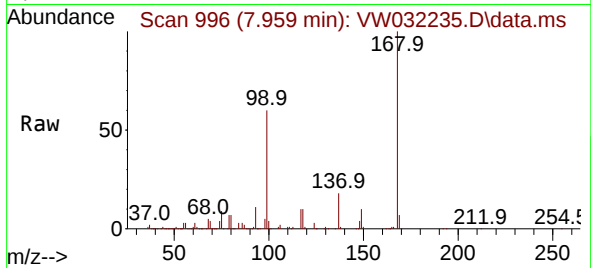




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032235.D
Acq: 23 Sep 2025 11:12

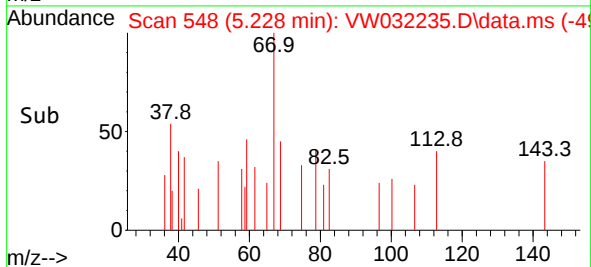
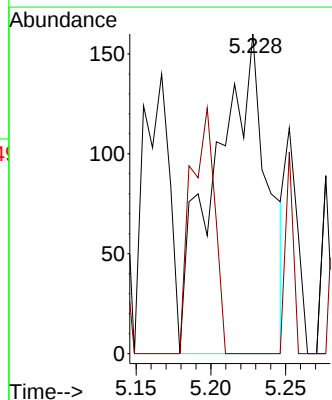
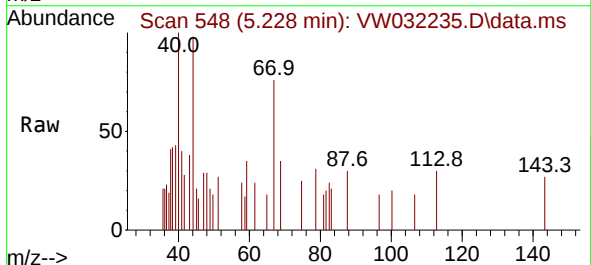
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBL01

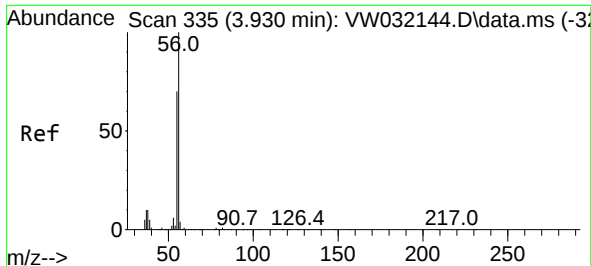
Tgt Ion:168 Resp: 144157
Ion Ratio Lower Upper
168 100
99 60.2 49.3 73.9



#11
Tert butyl alcohol
Concen: 3.124 ug/l
RT: 5.228 min Scan# 548
Delta R.T. 0.006 min
Lab File: VW032235.D
Acq: 23 Sep 2025 11:12

Tgt Ion: 59 Resp: 394
Ion Ratio Lower Upper
59 100
57 0.0 9.8 14.6#

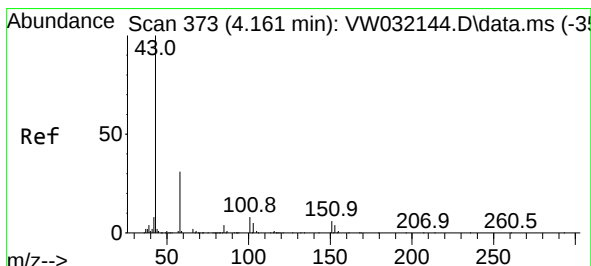
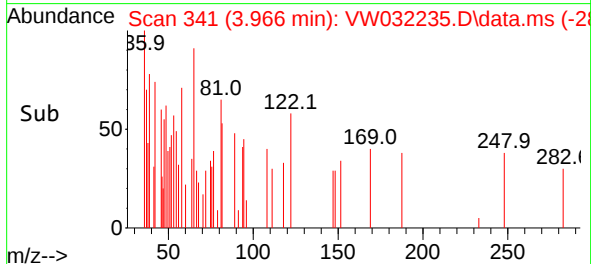
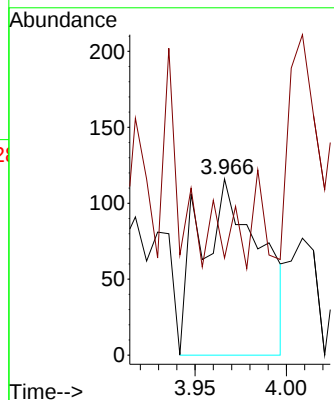
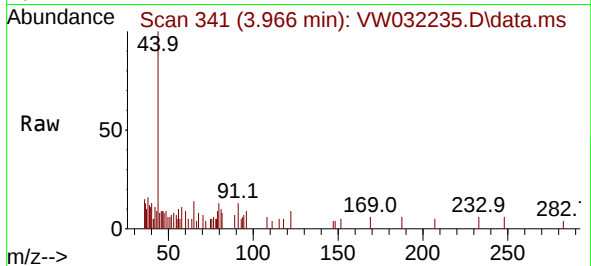




#13
Acrolein
Concen: 1.372 ug/l
RT: 3.966 min Scan# 341
Delta R.T. 0.037 min
Lab File: VW032235.D
Acq: 23 Sep 2025 11:12

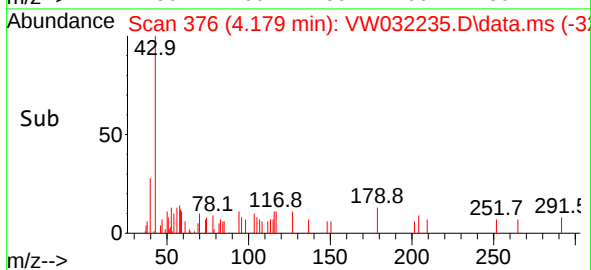
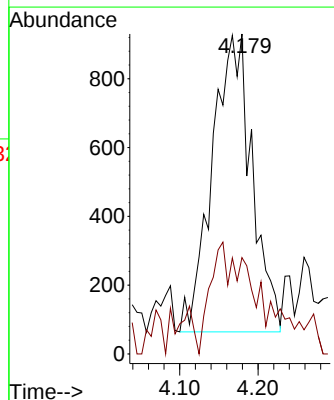
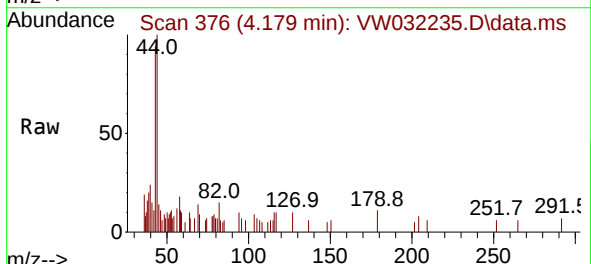
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBL01

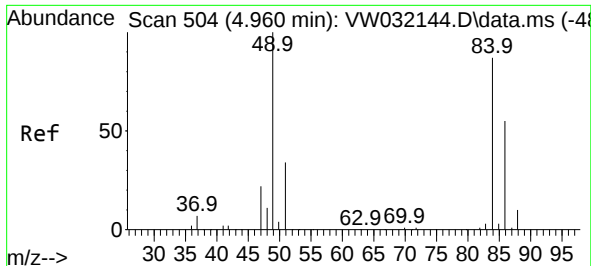
Tgt Ion: 56 Resp: 266
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 6.829 ug/l
RT: 4.179 min Scan# 376
Delta R.T. 0.018 min
Lab File: VW032235.D
Acq: 23 Sep 2025 11:12

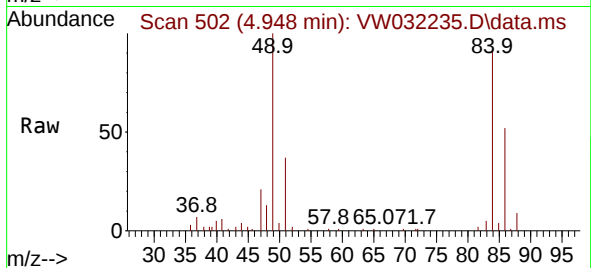
Tgt Ion: 43 Resp: 3049
Ion Ratio Lower Upper
43 100
58 22.2 25.3 37.9#



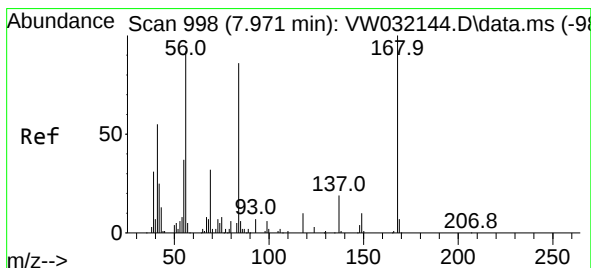
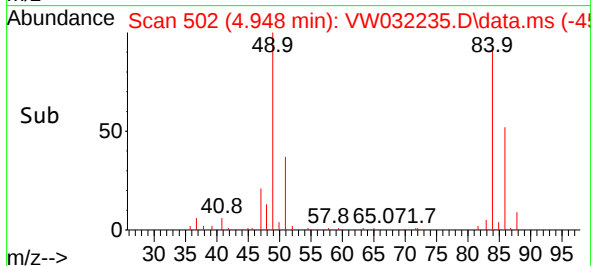
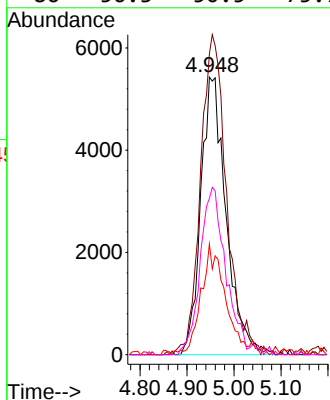


#20
Methylene Chloride
Concen: 7.764 ug/l
RT: 4.948 min Scan# 504
Delta R.T. -0.012 min
Lab File: VW032235.D
Acq: 23 Sep 2025 11:12

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBL01

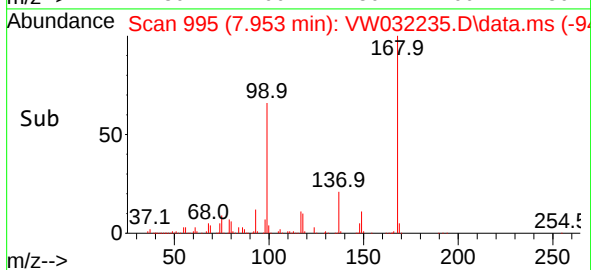
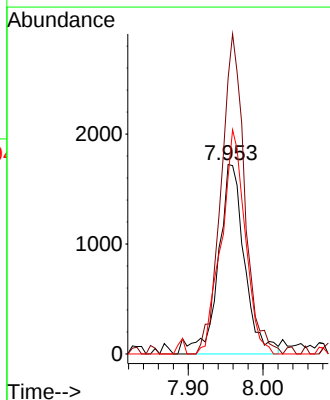
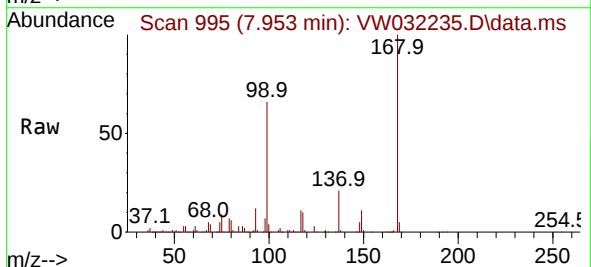


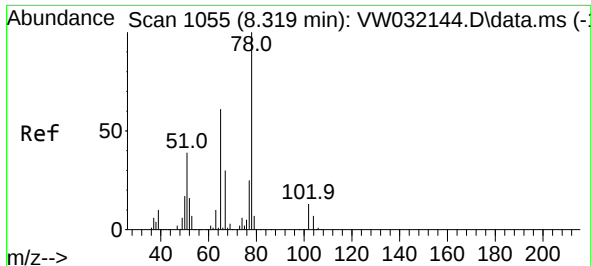
Tgt Ion: 84	Resp: 20327
Ion Ratio	Lower Upper
84 100	
49 108.3	92.2 138.4
51 39.0	31.0 46.6
86 56.3	50.5 75.7



#31
Cyclohexane
Concen: 1.656 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW032235.D
Acq: 23 Sep 2025 11:12

Tgt Ion: 56	Resp: 4190
Ion Ratio	Lower Upper
56 100	
69 145.6	27.7 41.5#
84 93.7	74.6 112.0





#33

1,2-Dichloroethane-d4

Concen: 63.725 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032235.D

Acq: 23 Sep 2025 11:12

Instrument :

MSVOA_W

ClientSampleId :

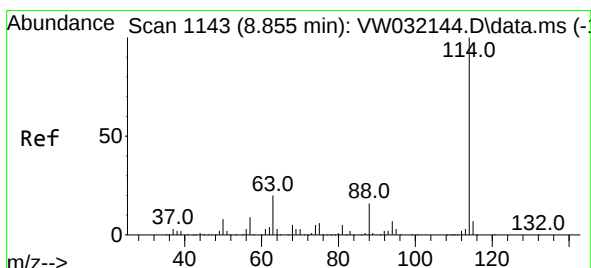
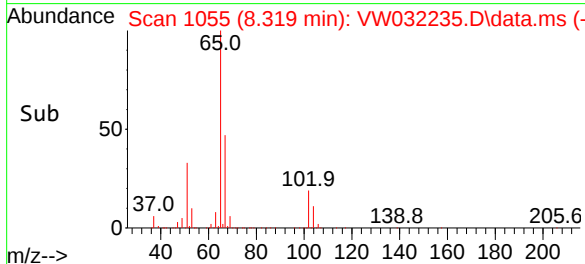
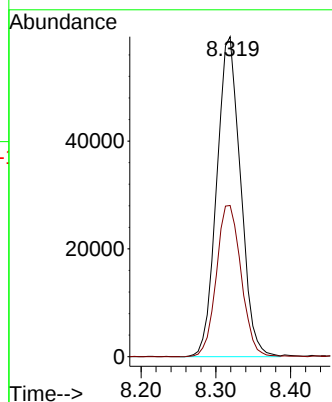
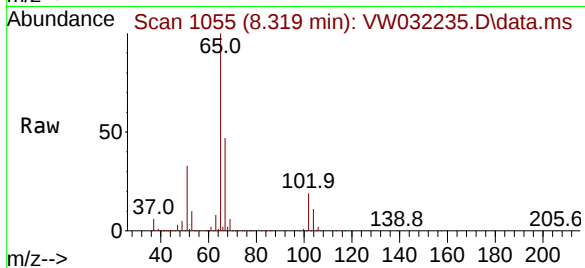
VW0923SBL01

Tgt Ion: 65 Resp: 131377

Ion Ratio Lower Upper

65 100

67 49.3 0.0 99.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.006 min

Lab File: VW032235.D

Acq: 23 Sep 2025 11:12

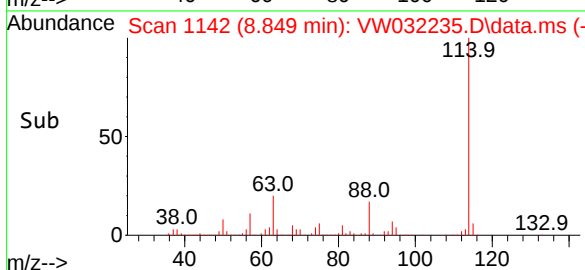
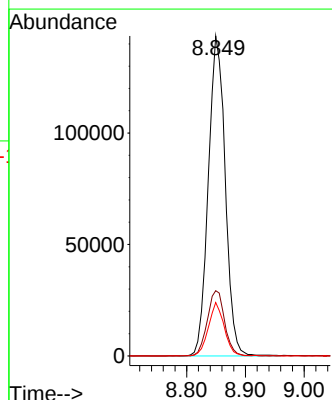
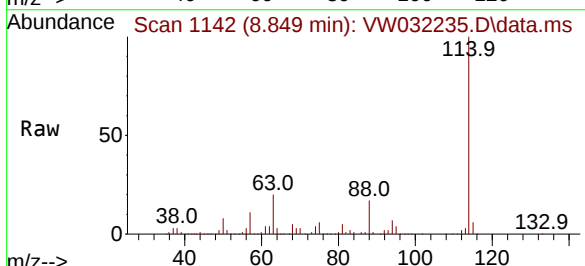
Tgt Ion: 114 Resp: 287537

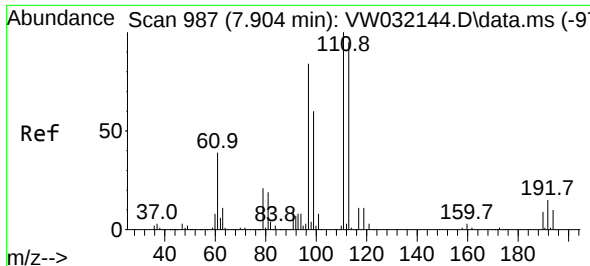
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.4

88 16.7 0.0 32.0

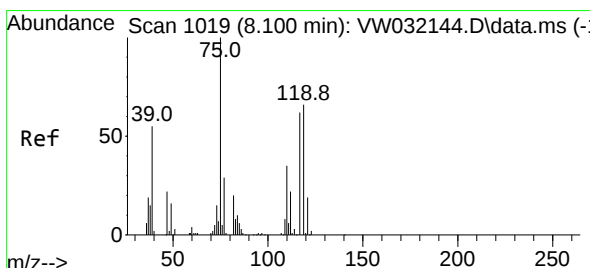
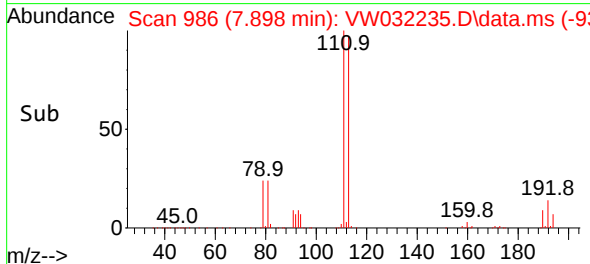
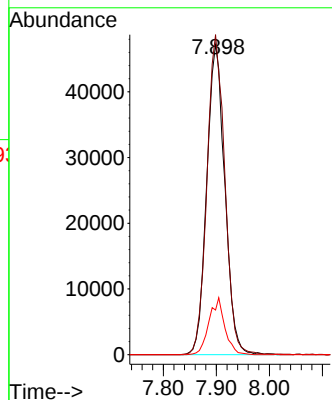
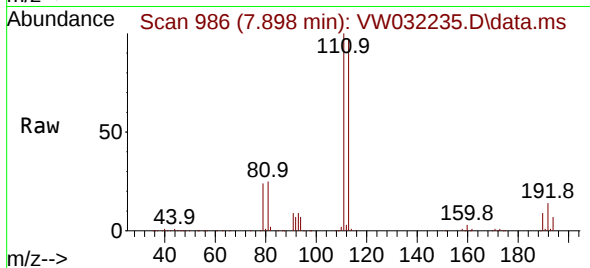




#35
Dibromofluoromethane
Concen: 55.360 ug/l
RT: 7.898 min Scan# 911
Delta R.T. -0.006 min
Lab File: VW032235.D
Acq: 23 Sep 2025 11:12

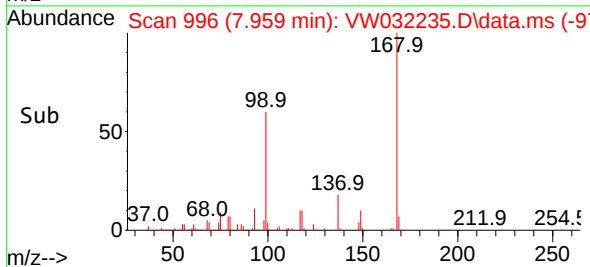
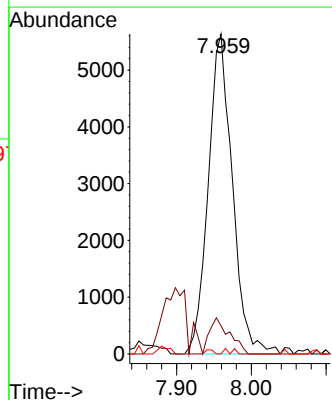
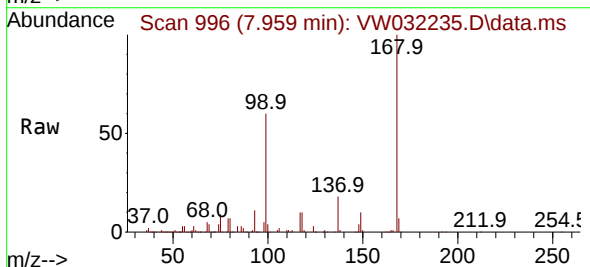
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBL01

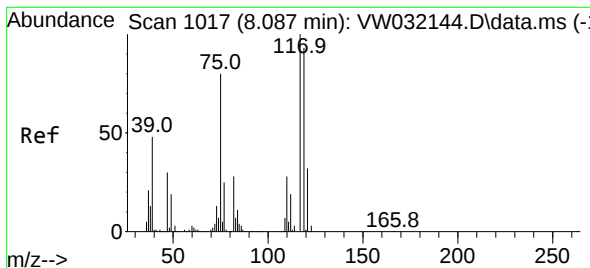
Tgt Ion:113 Resp: 111679
Ion Ratio Lower Upper
113 100
111 102.5 83.9 125.9
192 16.1 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.836 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032235.D
Acq: 23 Sep 2025 11:12

Tgt Ion: 75 Resp: 12650
Ion Ratio Lower Upper
75 100
110 9.3 17.5 52.5#
77 0.5 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 5.659 ug/l

RT: 7.959 min Scan# 91

Delta R.T. -0.128 min

Lab File: VW032235.D

Acq: 23 Sep 2025 11:12

Instrument :

MSVOA_W

ClientSampleId :

VW0923SBL01

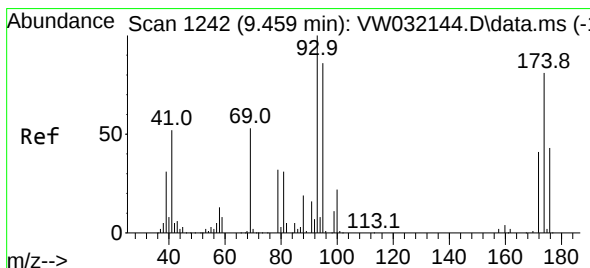
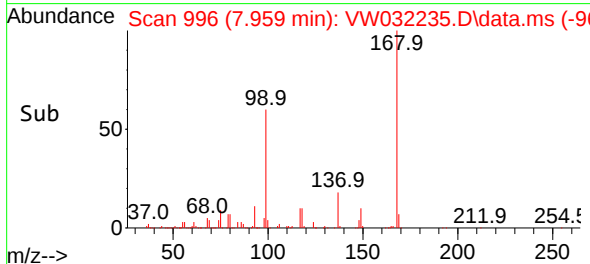
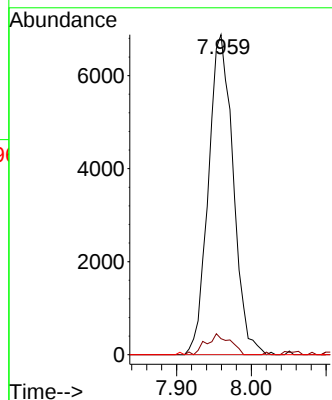
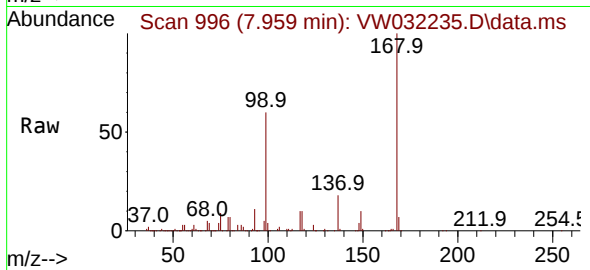
Tgt Ion:117 Resp: 15869

Ion Ratio Lower Upper

117 100

119 5.0 74.2 111.2#

121 0.0 25.6 38.4#



#49

1,4-Dioxane

Concen: 1.695 ug/l

RT: 9.410 min Scan# 1234

Delta R.T. -0.049 min

Lab File: VW032235.D

Acq: 23 Sep 2025 11:12

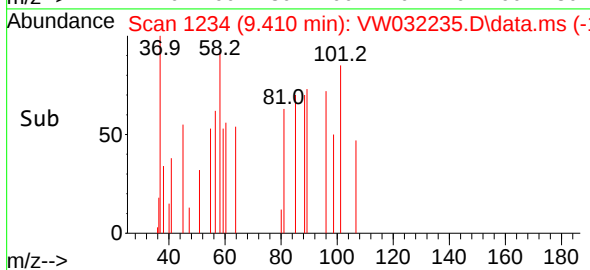
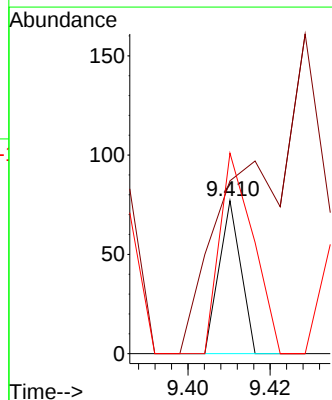
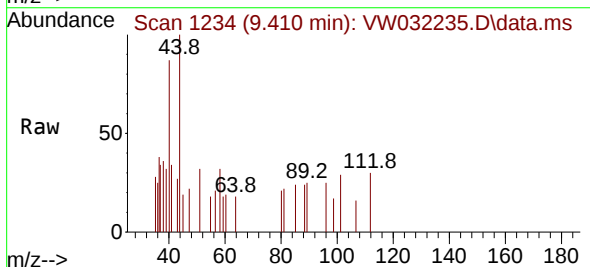
Tgt Ion: 88 Resp: 28

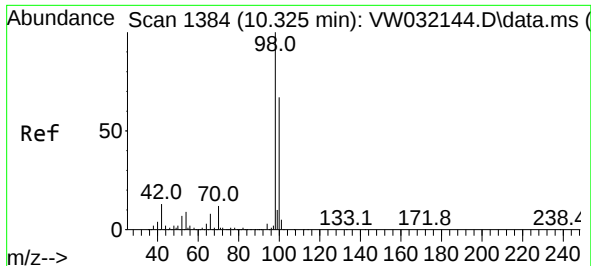
Ion Ratio Lower Upper

88 100

43 0.0 18.0 27.0#

58 203.6 55.4 83.0#

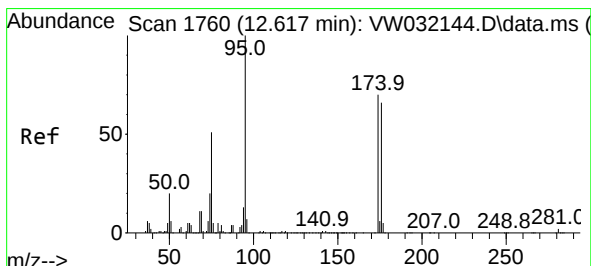
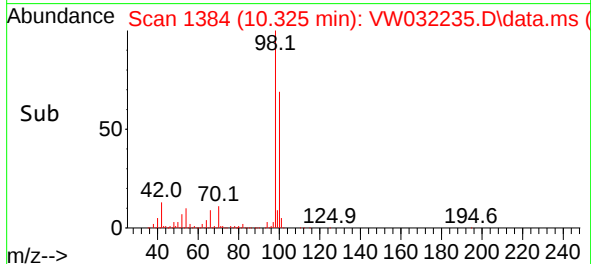
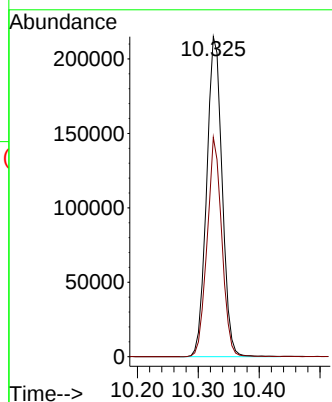
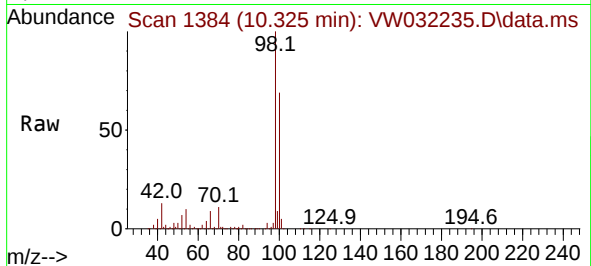




#50
Toluene-d8
Concen: 53.629 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032235.D
Acq: 23 Sep 2025 11:12

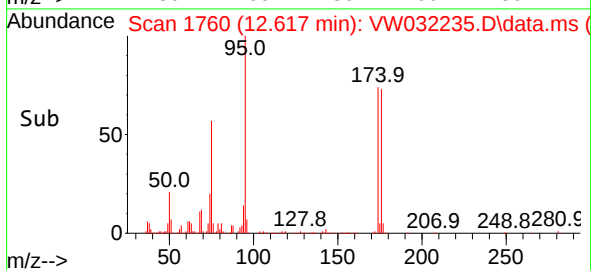
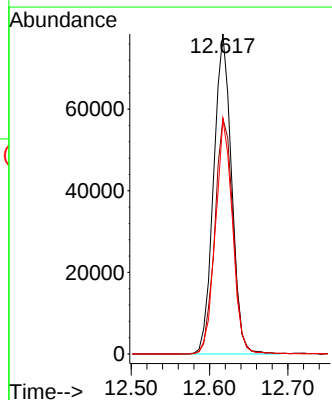
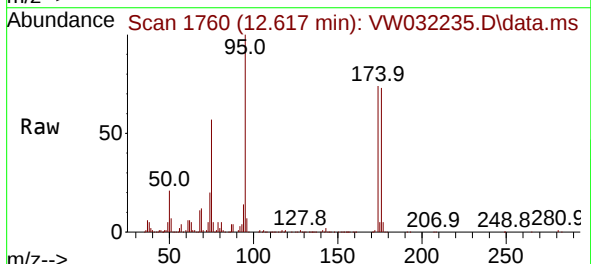
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBL01

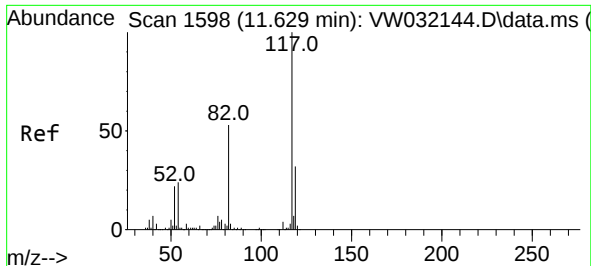
Tgt Ion: 98 Resp: 379794
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 47.632 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032235.D
Acq: 23 Sep 2025 11:12

Tgt Ion: 95 Resp: 124735
Ion Ratio Lower Upper
95 100
174 75.4 0.0 145.6
176 70.3 0.0 140.8

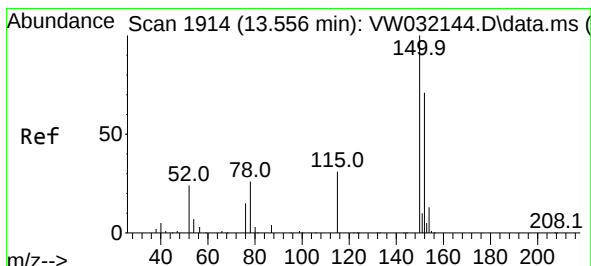
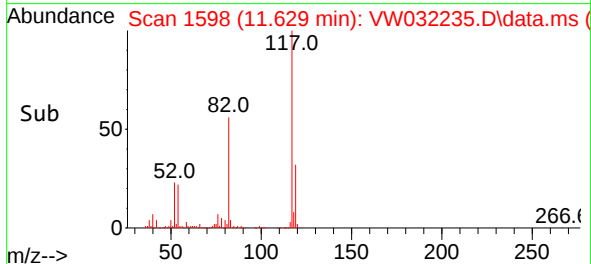
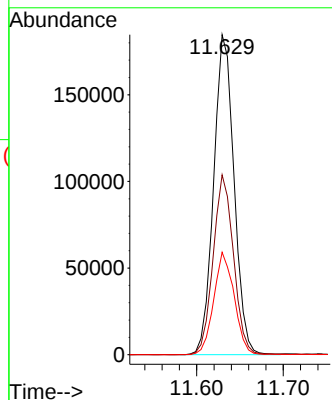
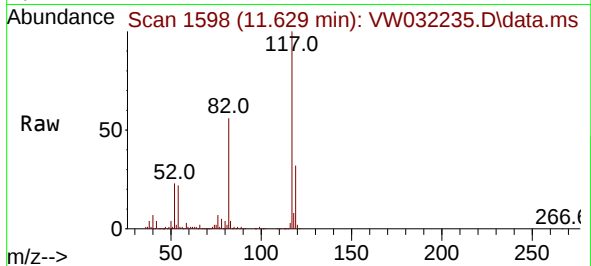




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1159
Delta R.T. -0.000 min
Lab File: VW032235.D
Acq: 23 Sep 2025 11:12

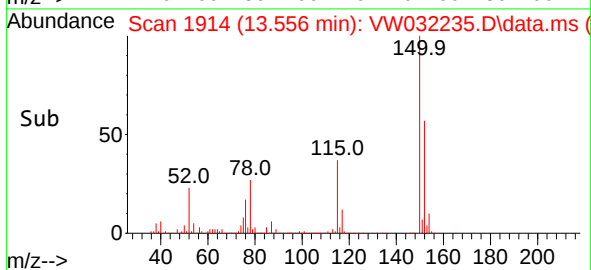
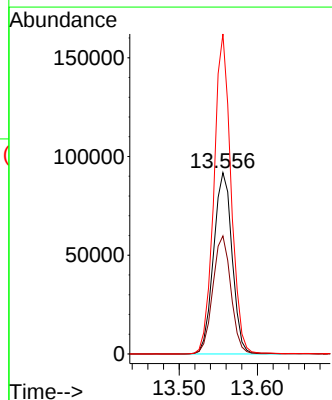
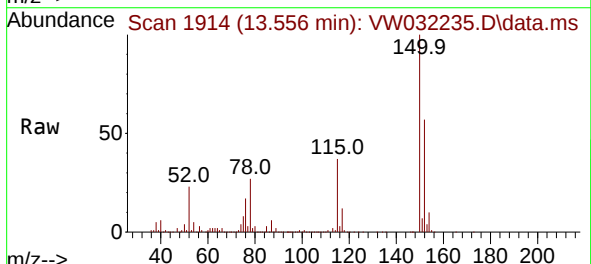
Instrument :
MSVOA_W
ClientSampleId :
VW0923SBL01

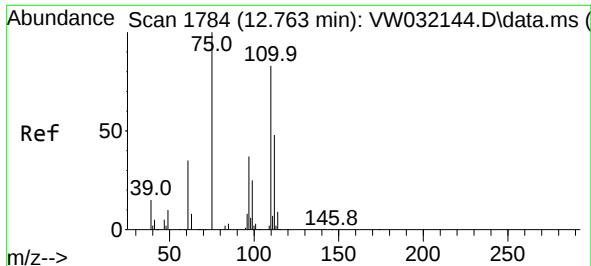
Tgt Ion:117 Resp: 302439
Ion Ratio Lower Upper
117 100
82 56.2 42.7 64.1
119 32.0 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032235.D
Acq: 23 Sep 2025 11:12

Tgt Ion:152 Resp: 151222
Ion Ratio Lower Upper
152 100
115 63.6 31.8 95.4
150 162.4 0.0 343.0

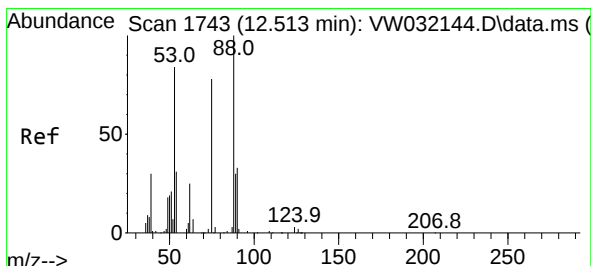
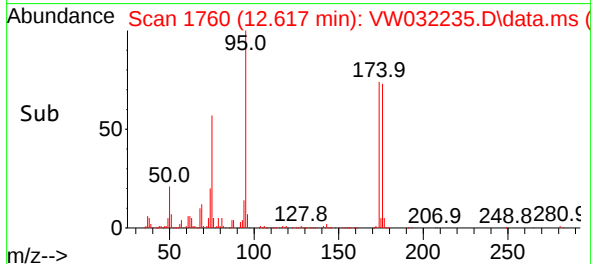
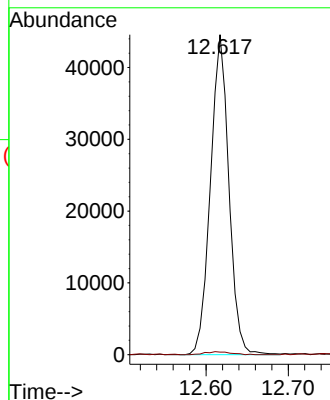
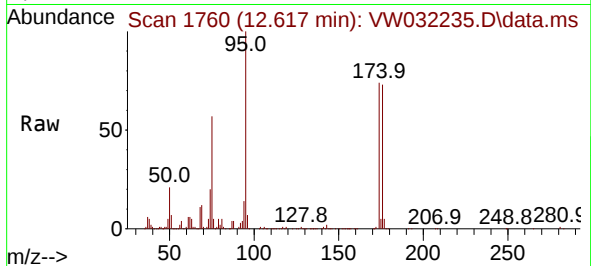




#76
1,2,3-Trichloropropane
Concen: 36.634 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032235.D
Acq: 23 Sep 2025 11:12

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBL01

Tgt Ion: 75 Resp: 69404
Ion Ratio Lower Upper
75 100
77 1.3 141.7 425.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.636 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032235.D
Acq: 23 Sep 2025 11:12

Tgt Ion: 75 Resp: 69404
Ion Ratio Lower Upper
75 100
53 0.3 91.0 136.6#
89 0.1 39.4 59.2#

