

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091925\
 Data File : VW032208.D
 Acq On : 19 Sep 2025 11:40
 Operator : SY/MD
 Sample : Q3137-01
 Misc : 5.09g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 19 23:06:34 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)

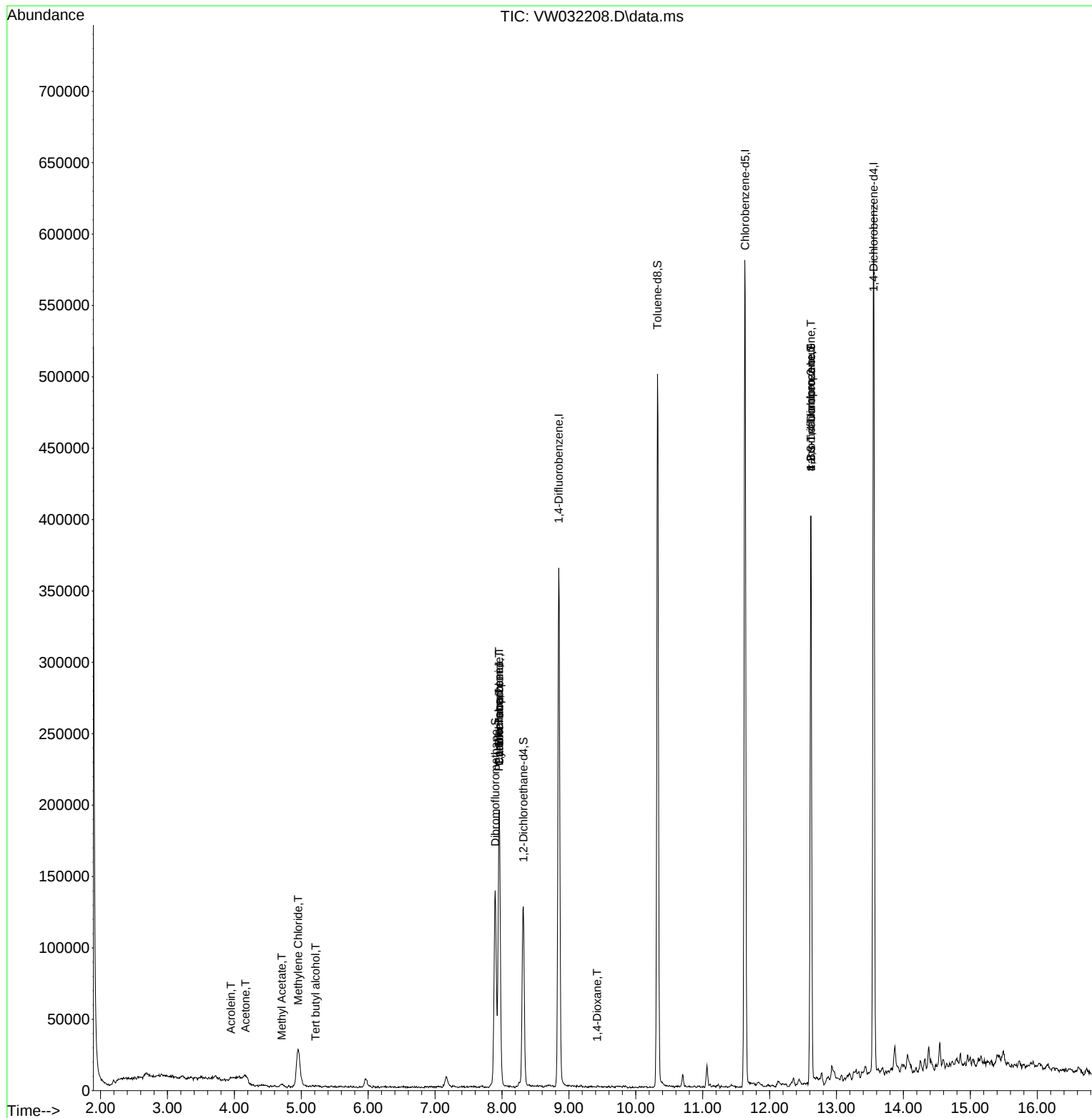
Internal Standards						
1) Pentafluorobenzene	7.953	168	135078	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	298289	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	305393	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	153050	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	107055	55.417	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	110.840%
35) Dibromofluoromethane	7.898	113	100204	47.881	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	95.760%
50) Toluene-d8	10.324	98	318524	43.356	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	86.720%
62) 4-Bromofluorobenzene	12.617	95	122718	45.172	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	90.340%
Target Compounds						Qvalue
11) Tert butyl alcohol	5.216	59	253	2.141	ug/l #	74
13) Acrolein	3.947	56	476	2.621	ug/l #	14
16) Acetone	4.167	43	4090	9.776	ug/l #	86
18) Methyl Acetate	4.710	43	3737	2.803	ug/l	98
20) Methylene Chloride	4.953	84	25779	11.905	ug/l	99
31) Cyclohexane	7.959	56	4019	1.695	ug/l #	29
36) 1,1-Dichloropropene	7.959	75	12607	4.646	ug/l #	52
38) Carbon Tetrachloride	7.959	117	16367	5.627	ug/l #	18
49) 1,4-Dioxane	9.422	88	20	1.167	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	69710	36.356	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	69710	97.888	ug/l #	5

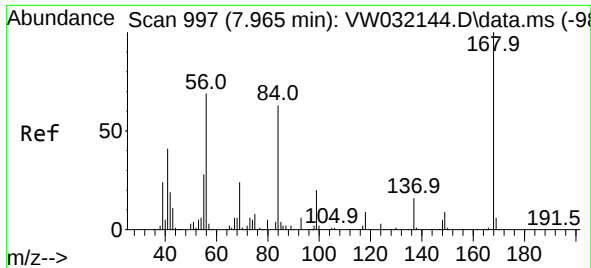
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091925\
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Quant Time: Sep 19 23:06:34 2025
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Quant Title : SW846 8260
QLast Update : Wed Aug 27 04:13:40 2025
Response via : Initial Calibration

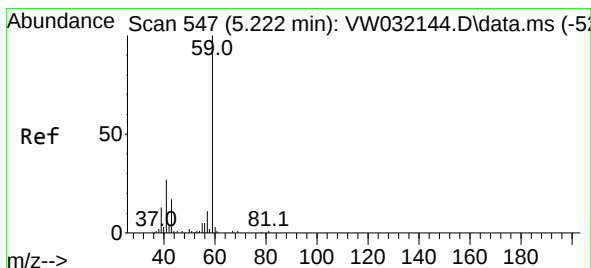
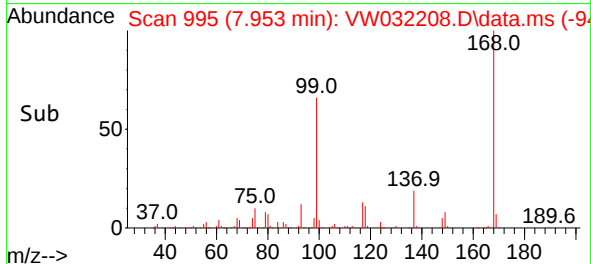
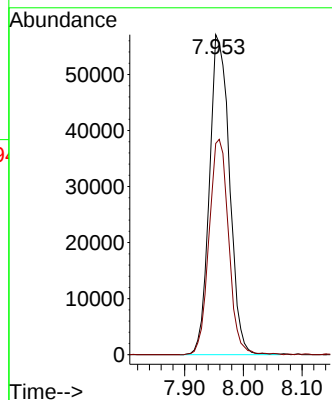
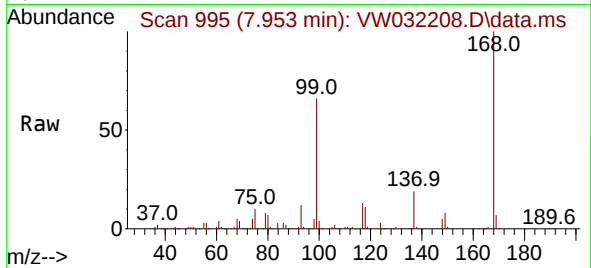




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.953 min Scan# 99
Delta R.T. -0.012 min
Lab File: VW032208.D
Acq: 19 Sep 2025 11:40

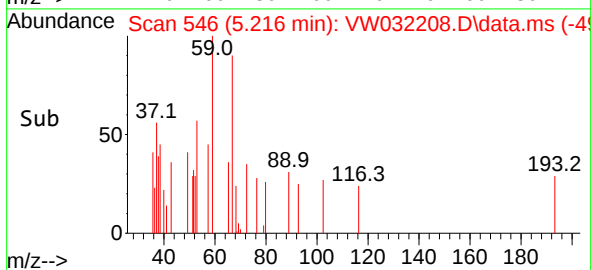
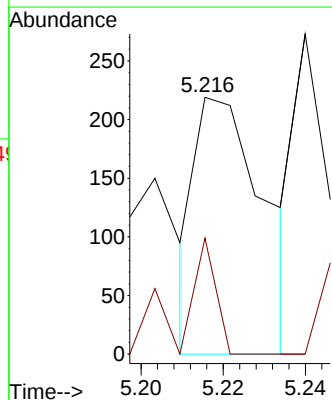
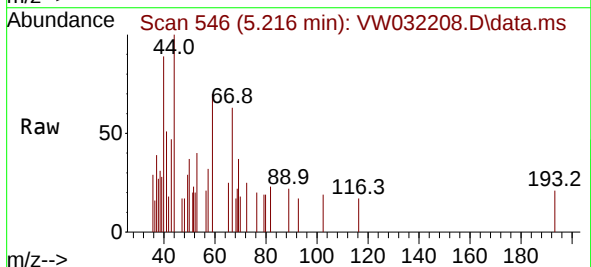
Instrument :
MSVOA_W
ClientSampleId :

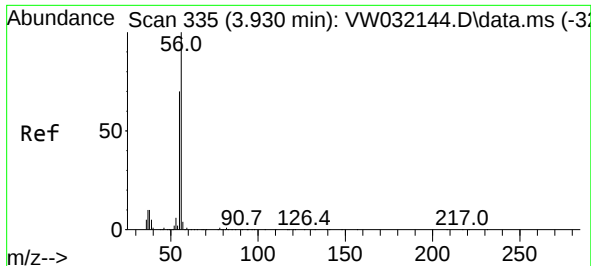
Tgt Ion:168 Resp: 135078
Ion Ratio Lower Upper
168 100
99 66.0 49.3 73.9



#11
Tert butyl alcohol
Concen: 2.141 ug/l
RT: 5.216 min Scan# 546
Delta R.T. -0.006 min
Lab File: VW032208.D
Acq: 19 Sep 2025 11:40

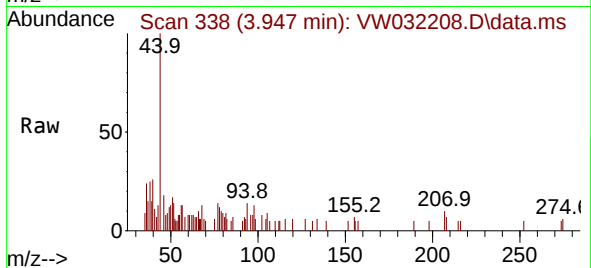
Tgt Ion: 59 Resp: 253
Ion Ratio Lower Upper
59 100
57 22.5 9.8 14.6#



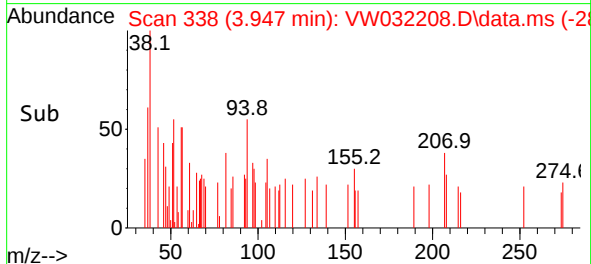
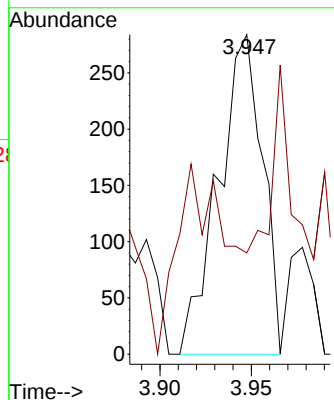


#13
Acrolein
Concen: 2.621 ug/l
RT: 3.947 min Scan# 31
Delta R.T. 0.018 min
Lab File: VW032208.D
Acq: 19 Sep 2025 11:40

Instrument :
MSVOA_W
ClientSampleId :

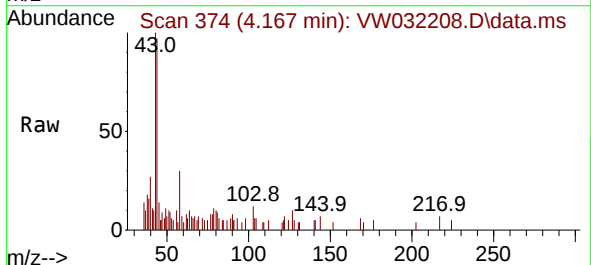
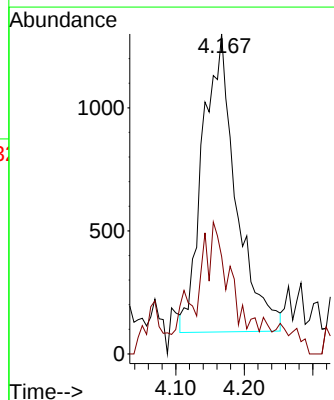
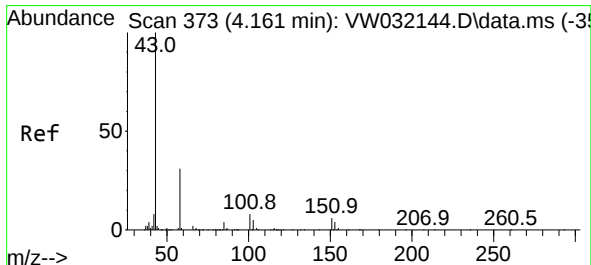


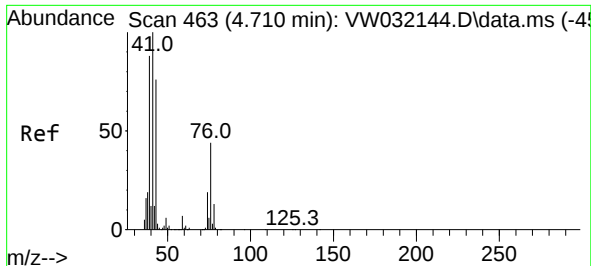
Tgt Ion: 56 Resp: 476
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 9.776 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032208.D
Acq: 19 Sep 2025 11:40

Tgt Ion: 43 Resp: 4090
Ion Ratio Lower Upper
43 100
58 23.8 25.3 37.9#

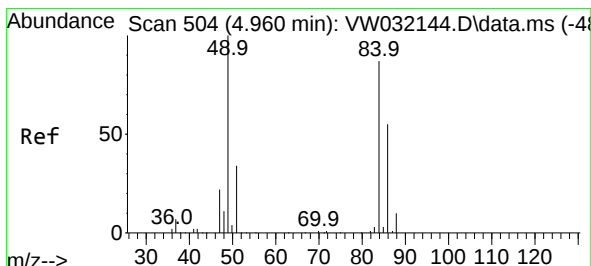
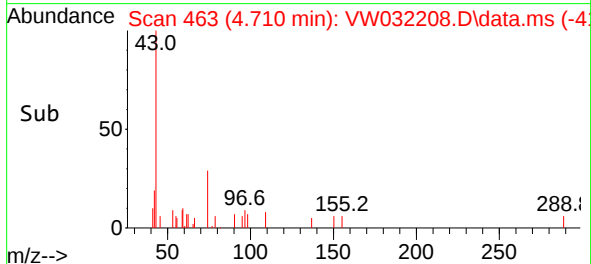
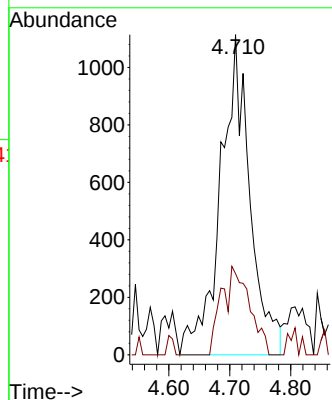
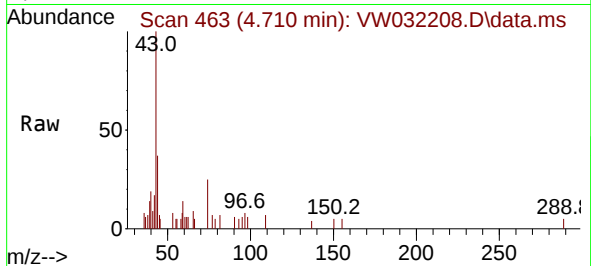




#18
Methyl Acetate
Concen: 2.803 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032208.D
Acq: 19 Sep 2025 11:40

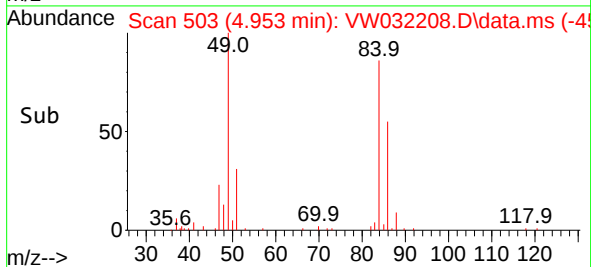
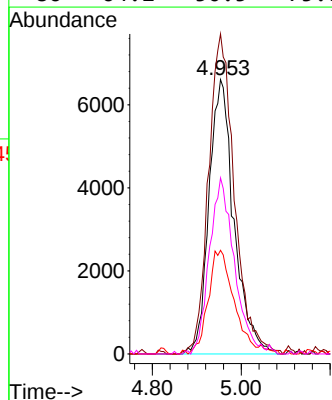
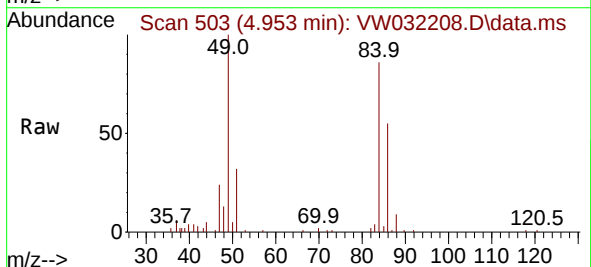
Instrument :
MSVOA_W
ClientSampleId :

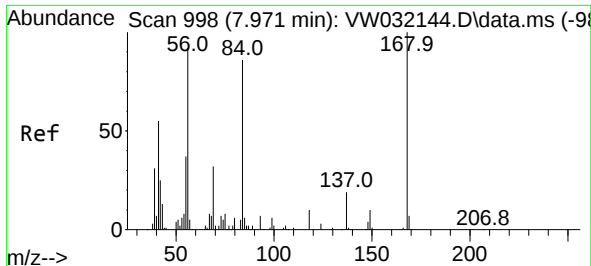
Tgt Ion: 43 Resp: 3737
Ion Ratio Lower Upper
43 100
74 26.4 20.2 30.4



#20
Methylene Chloride
Concen: 11.905 ug/l
RT: 4.953 min Scan# 503
Delta R.T. -0.007 min
Lab File: VW032208.D
Acq: 19 Sep 2025 11:40

Tgt Ion: 84 Resp: 25779
Ion Ratio Lower Upper
84 100
49 115.7 92.2 138.4
51 37.8 31.0 46.6
86 64.2 50.5 75.7

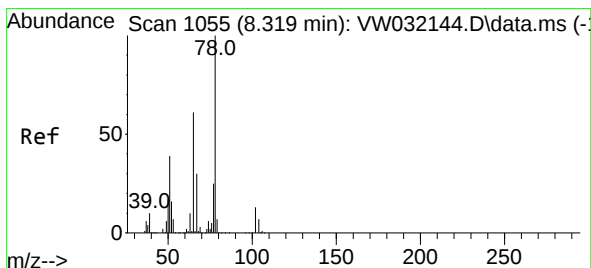
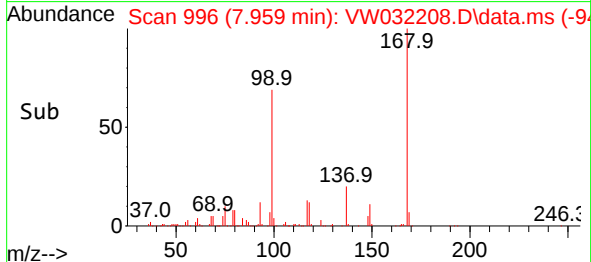
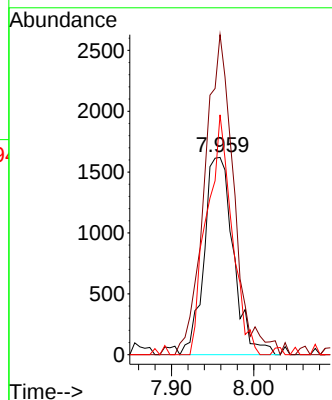
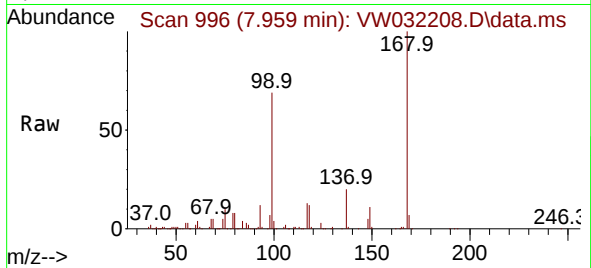




#31
Cyclohexane
Concen: 1.695 ug/l
RT: 7.959 min Scan# 998
Delta R.T. -0.013 min
Lab File: VW032208.D
Acq: 19 Sep 2025 11:40

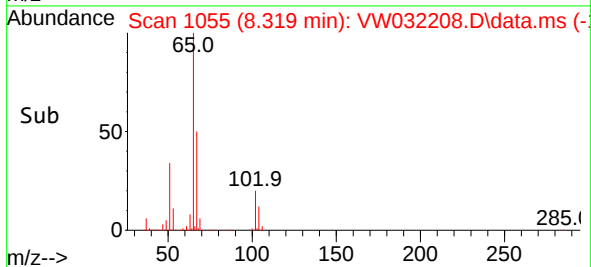
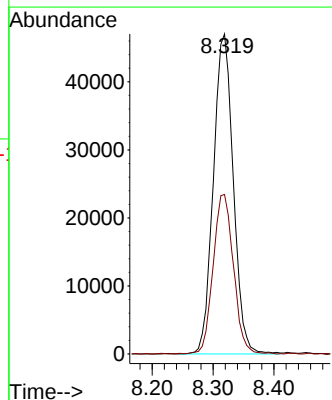
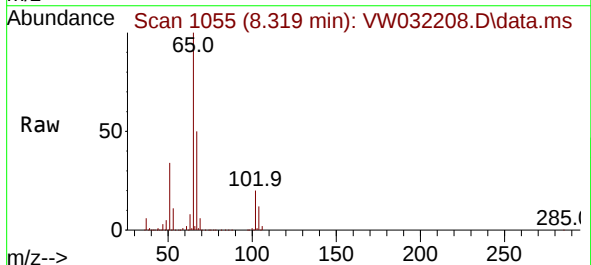
Instrument :
MSVOA_W
ClientSampleId :

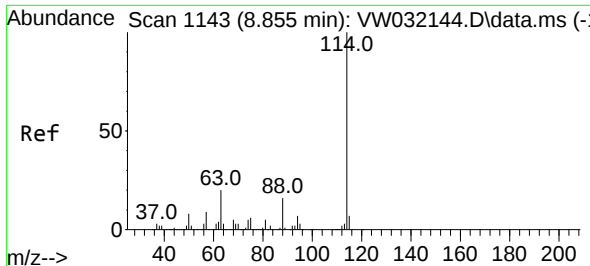
Tgt Ion: 56 Resp: 4019
Ion Ratio Lower Upper
56 100
69 152.1 27.7 41.5#
84 114.0 74.6 112.0#



#33
1,2-Dichloroethane-d4
Concen: 55.417 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032208.D
Acq: 19 Sep 2025 11:40

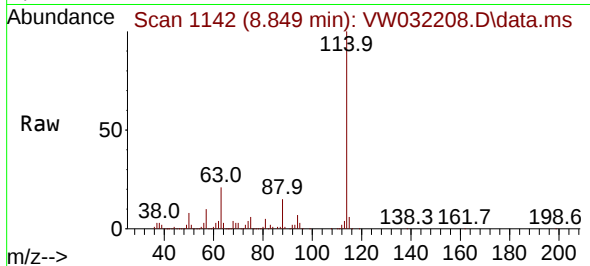
Tgt Ion: 65 Resp: 107055
Ion Ratio Lower Upper
65 100
67 50.9 0.0 99.6



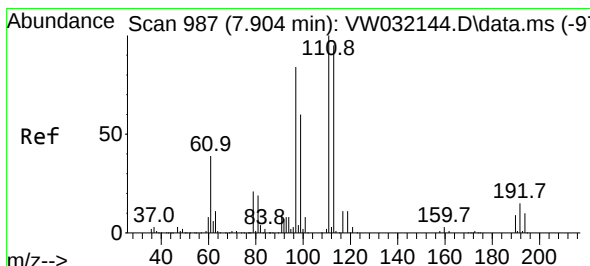
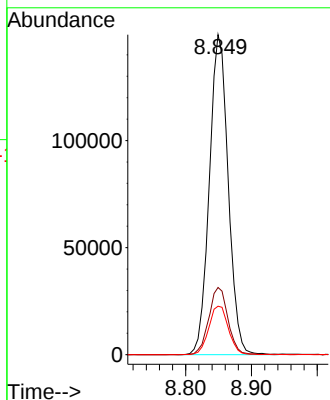
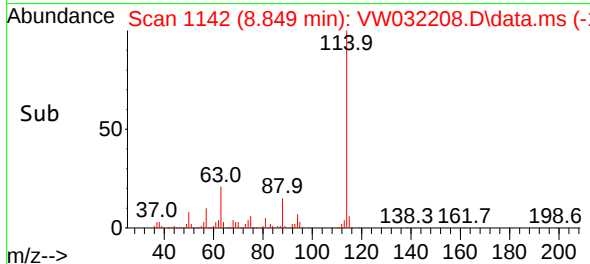


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW032208.D
 Acq: 19 Sep 2025 11:40

Instrument :
 MSVOA_W
 ClientSampleId :

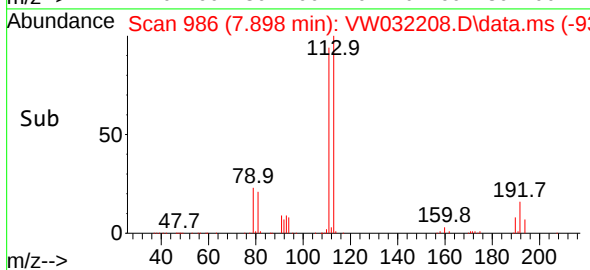
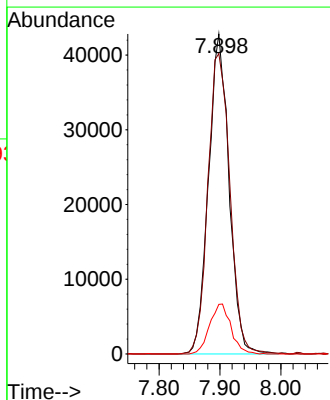
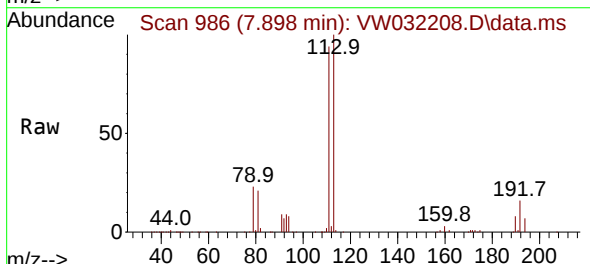


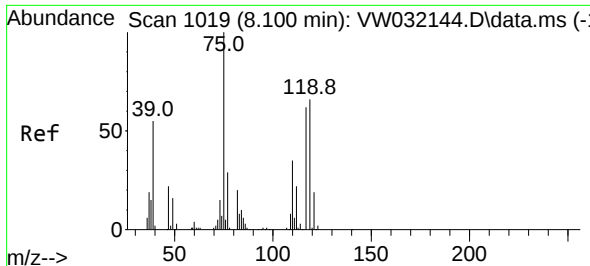
Tgt Ion:114 Resp: 298289
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.4
 88 15.2 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 47.881 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. -0.006 min
 Lab File: VW032208.D
 Acq: 19 Sep 2025 11:40

Tgt Ion:113 Resp: 100204
 Ion Ratio Lower Upper
 113 100
 111 100.7 83.9 125.9
 192 16.2 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.646 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.141 min

Lab File: VW032208.D

Acq: 19 Sep 2025 11:40

Instrument :

MSVOA_W

ClientSampleId :

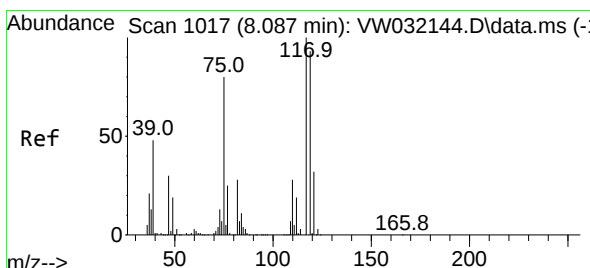
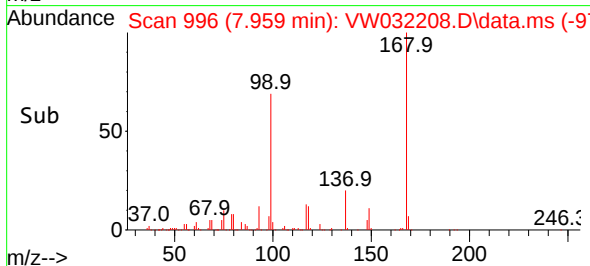
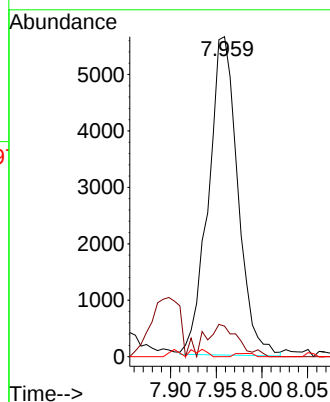
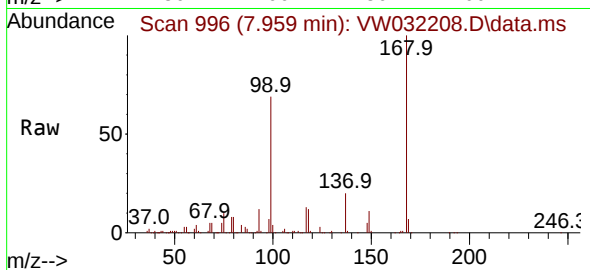
Tgt Ion: 75 Resp: 12607

Ion Ratio Lower Upper

75 100

110 10.8 17.5 52.5#

77 0.0 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 5.627 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.128 min

Lab File: VW032208.D

Acq: 19 Sep 2025 11:40

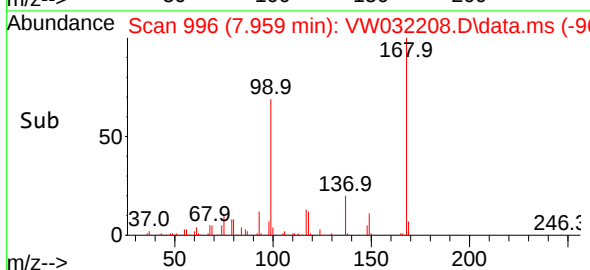
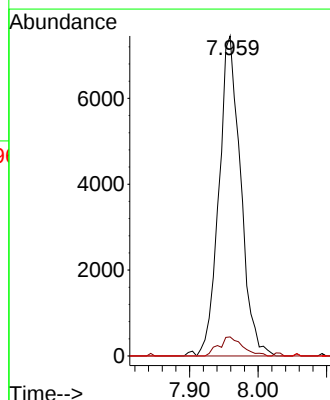
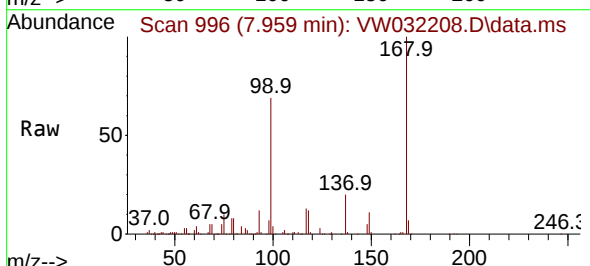
Tgt Ion: 117 Resp: 16367

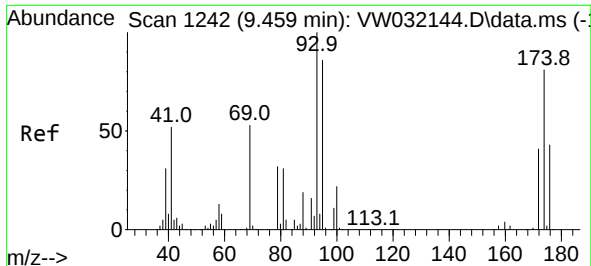
Ion Ratio Lower Upper

117 100

119 5.9 74.2 111.2#

121 0.0 25.6 38.4#





#49

1,4-Dioxane

Concen: 1.167 ug/l

RT: 9.422 min Scan# 1236

Delta R.T. -0.037 min

Lab File: VW032208.D

Acq: 19 Sep 2025 11:40

Instrument :

MSVOA_W

ClientSampleId :

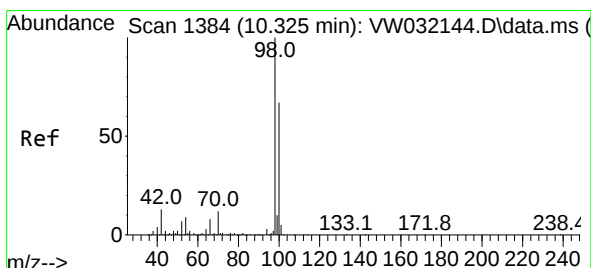
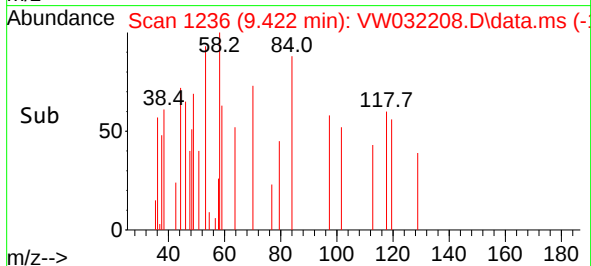
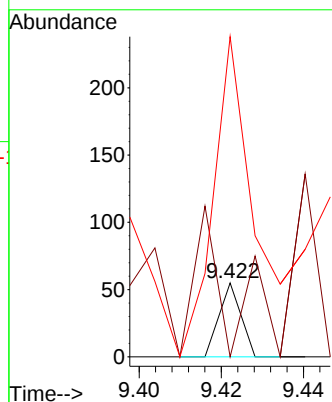
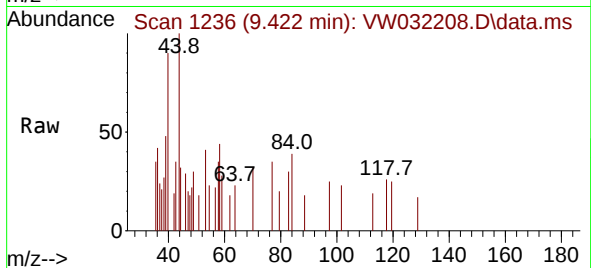
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 205.0 18.0 27.0#

58 815.0 55.4 83.0#



#50

Toluene-d8

Concen: 43.356 ug/l

RT: 10.324 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032208.D

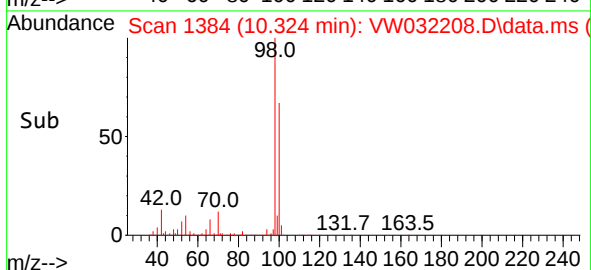
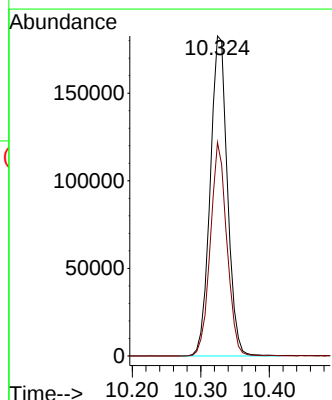
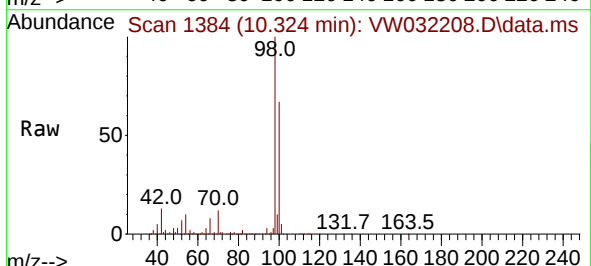
Acq: 19 Sep 2025 11:40

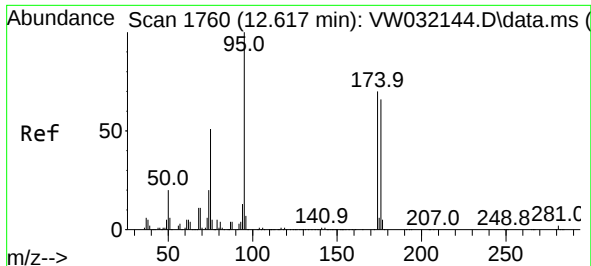
Tgt Ion: 98 Resp: 318524

Ion Ratio Lower Upper

98 100

100 64.0 51.4 77.2

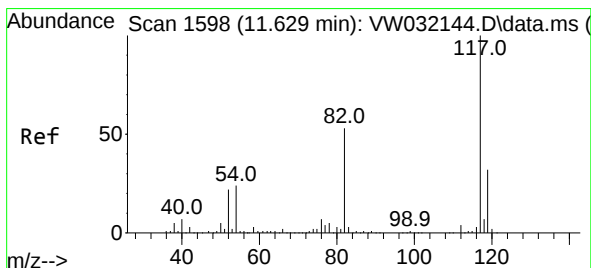
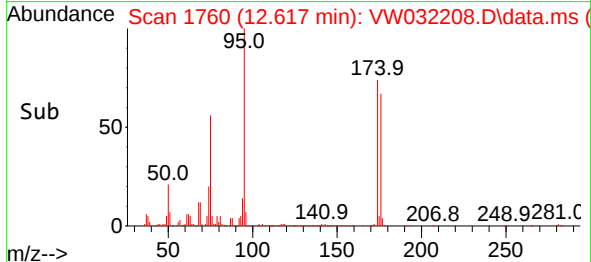
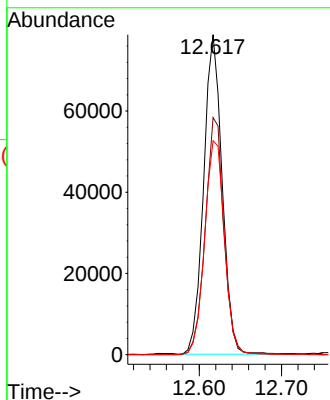
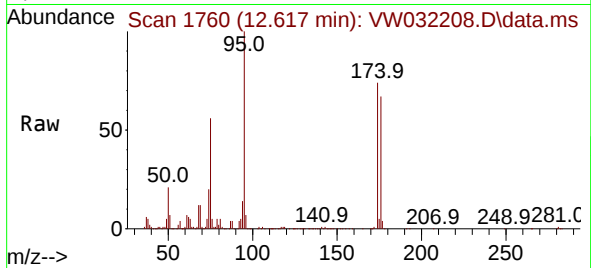




#62
4-Bromofluorobenzene
Concen: 45.172 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032208.D
Acq: 19 Sep 2025 11:40

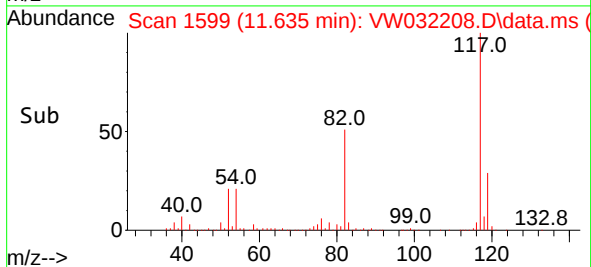
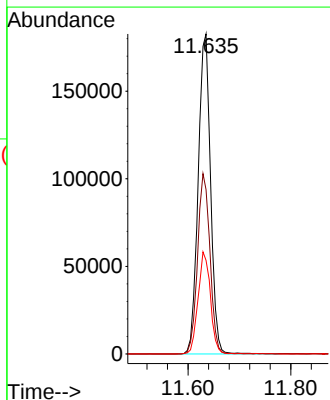
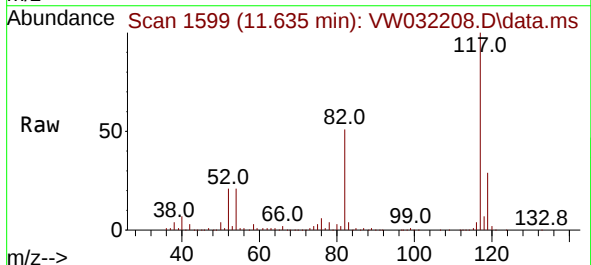
Instrument :
MSVOA_W
ClientSampleId :

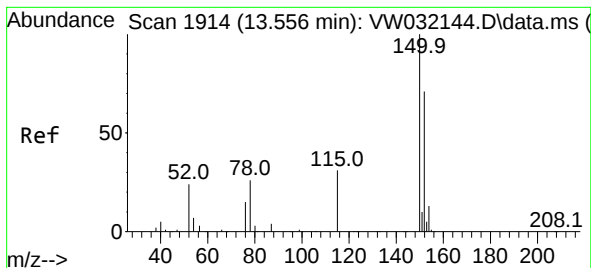
Tgt Ion: 95 Resp: 122718
Ion Ratio Lower Upper
95 100
174 75.2 0.0 145.6
176 72.0 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032208.D
Acq: 19 Sep 2025 11:40

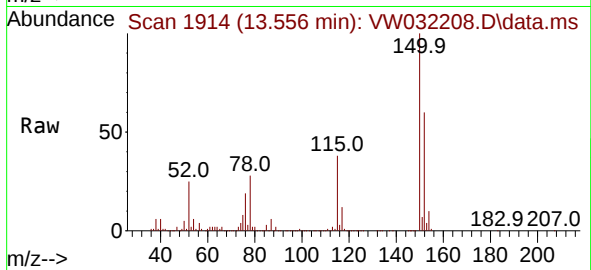
Tgt Ion: 117 Resp: 305393
Ion Ratio Lower Upper
117 100
82 51.3 42.7 64.1
119 29.2 25.2 37.8



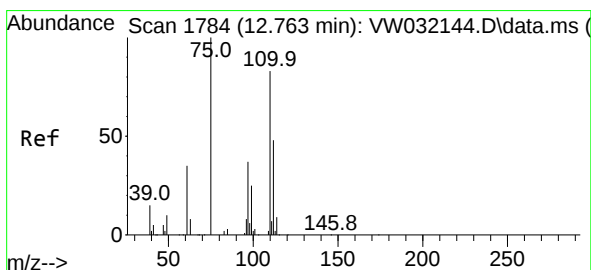
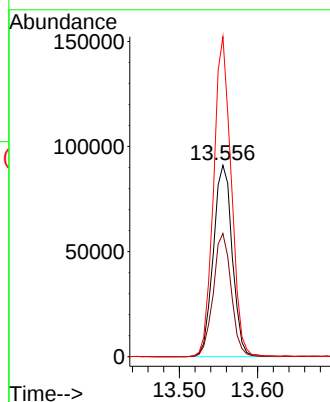
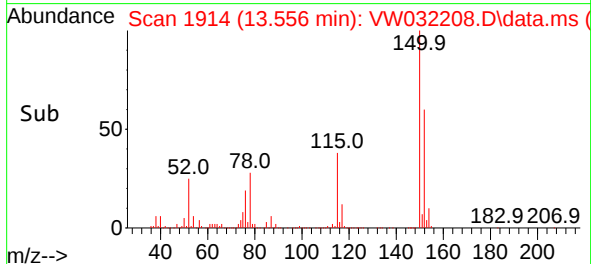


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032208.D
 Acq: 19 Sep 2025 11:40

Instrument :
 MSVOA_W
 ClientSampleId :

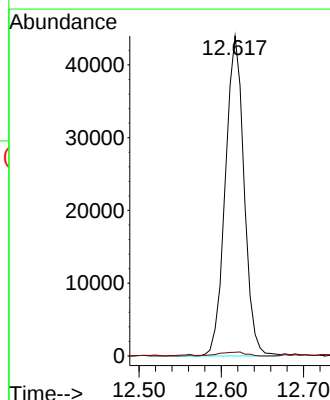
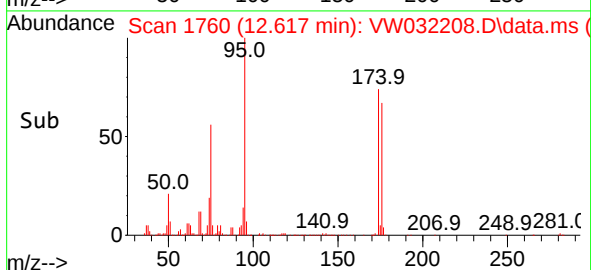
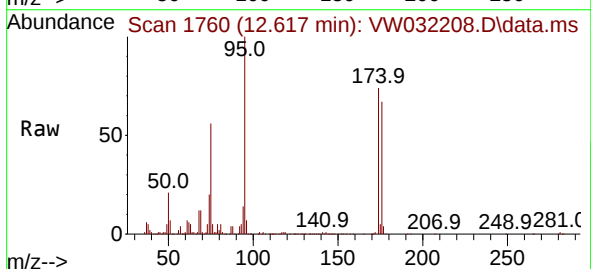


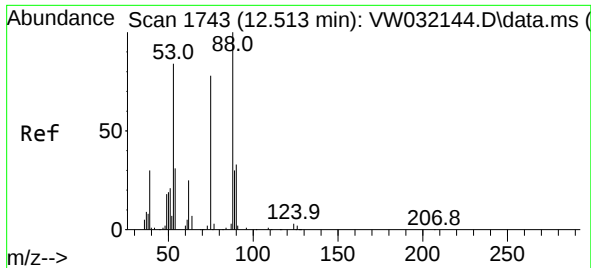
Tgt Ion:152 Resp: 153050
 Ion Ratio Lower Upper
 152 100
 115 61.0 31.8 95.4
 150 155.7 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 36.356 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.147 min
 Lab File: VW032208.D
 Acq: 19 Sep 2025 11:40

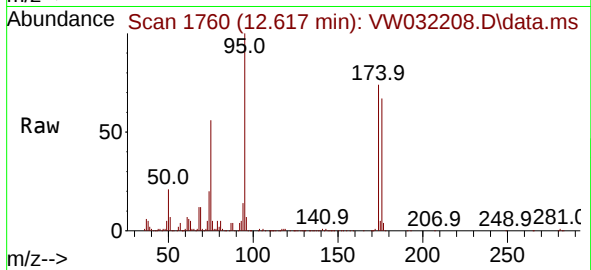
Tgt Ion: 75 Resp: 69710
 Ion Ratio Lower Upper
 75 100
 77 1.8 141.7 425.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.888 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VW032208.D
 Acq: 19 Sep 2025 11:40

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 69710
 Ion Ratio Lower Upper
 75 100
 53 0.5 91.0 136.6#
 89 0.1 39.4 59.2#

