

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
 Data File : VN087175.D
 Acq On : 25 Jun 2025 14:15
 Operator : JC\MD
 Sample : Q2349-04DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE(JUNE)DL

Quant Time: Jun 25 15:31:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

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

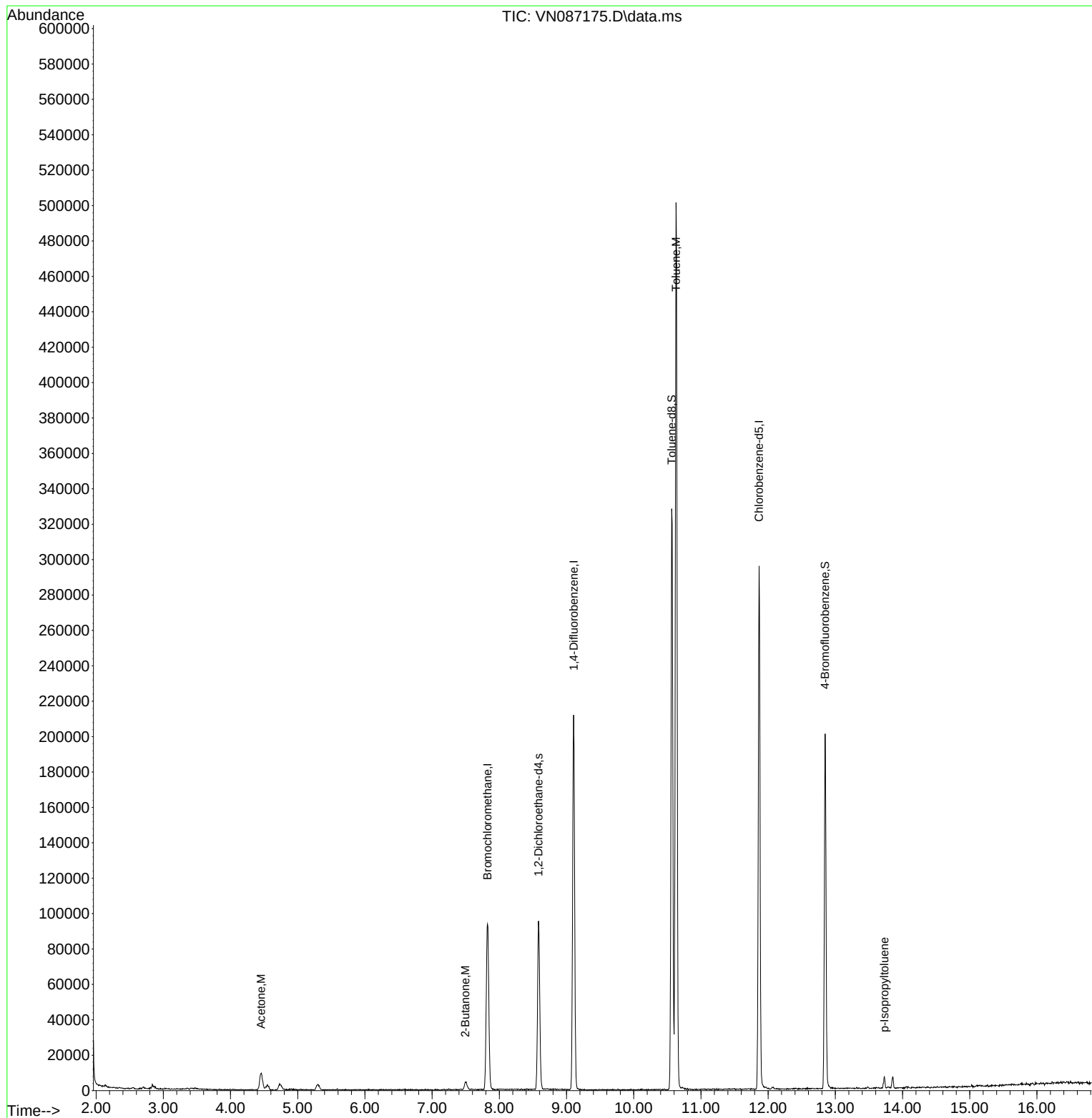
Internal Standards						
1) Bromochloromethane	7.824	128	36435	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	187691	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	177573	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	79071	28.803	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.000%
60) 4-Bromofluorobenzene	12.847	95	78209	28.542	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.133%
63) Toluene-d8	10.565	98	237981	29.848	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.500%
Target Compounds						
					Qvalue	
15) Acetone	4.453	58	6453	13.699	ug/l	97
30) 2-Butanone	7.494	43	8722	4.420	ug/l #	70
62) Toluene	10.630	91	394572	39.343	ug/l	98
82) p-Isopropyltoluene	13.729	119	4465	0.540	ug/l	94

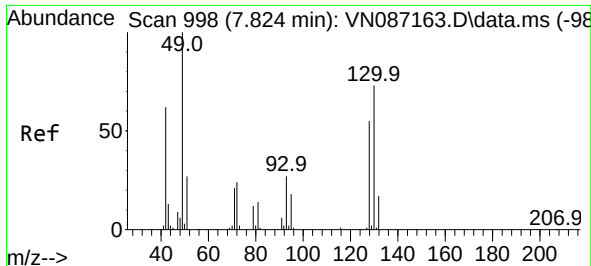
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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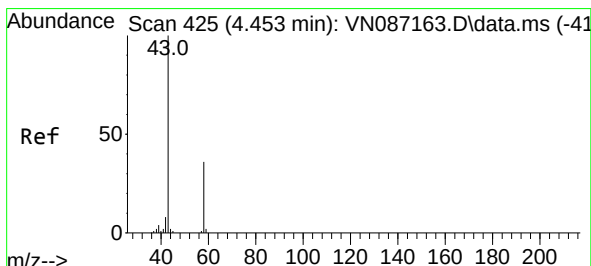
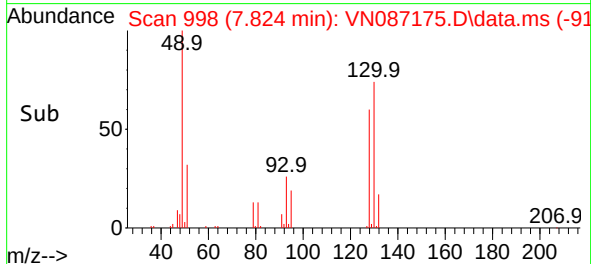
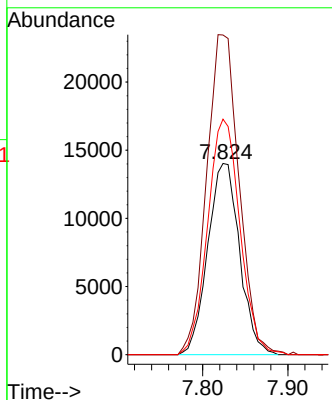
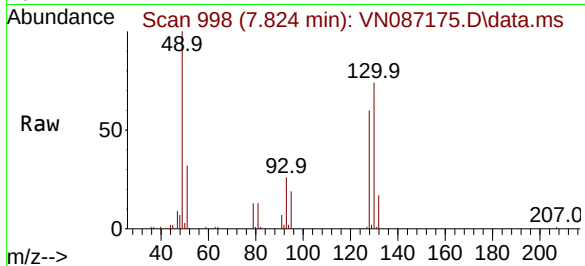




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN087175.D
Acq: 25 Jun 2025 14:15

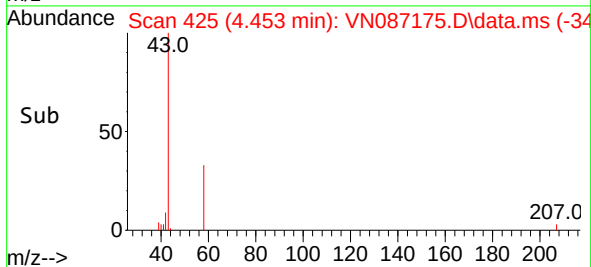
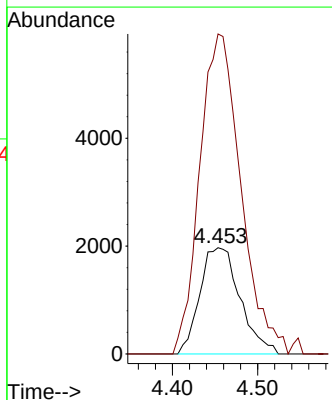
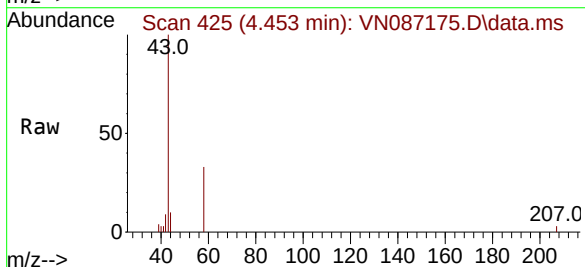
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JUNE)DL

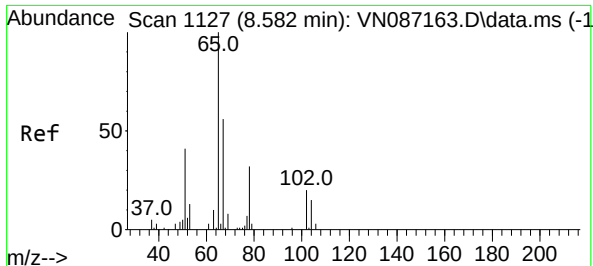
Tgt Ion:128 Resp: 36435
Ion Ratio Lower Upper
128 100
49 170.5 0.0 450.5
130 125.2 0.0 320.7



#15
Acetone
Concen: 13.699 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.000 min
Lab File: VN087175.D
Acq: 25 Jun 2025 14:15

Tgt Ion: 58 Resp: 6453
Ion Ratio Lower Upper
58 100
43 286.1 224.3 336.5





#27

1,2-Dichloroethane-d4

Concen: 28.803 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN087175.D

Acq: 25 Jun 2025 14:15

Instrument :

MSVOA_N

ClientSampleId :

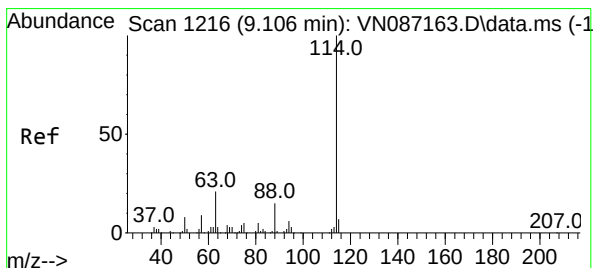
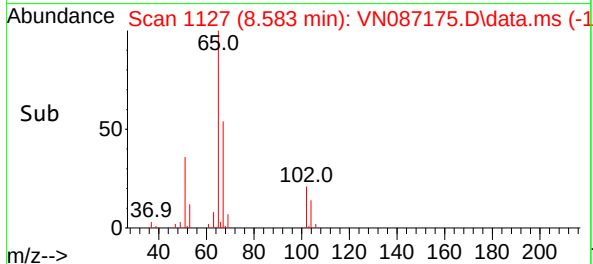
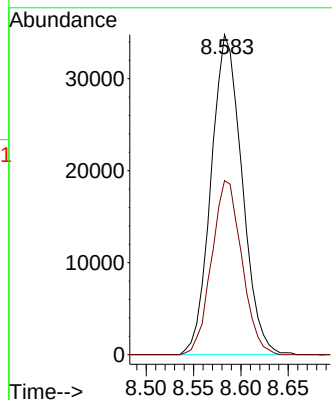
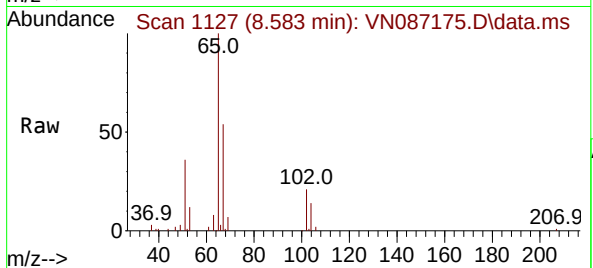
002-35TH-AVE(JUNE)DL

Tgt Ion: 65 Resp: 79071

Ion Ratio Lower Upper

65 100

67 53.0 41.9 62.9



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN087175.D

Acq: 25 Jun 2025 14:15

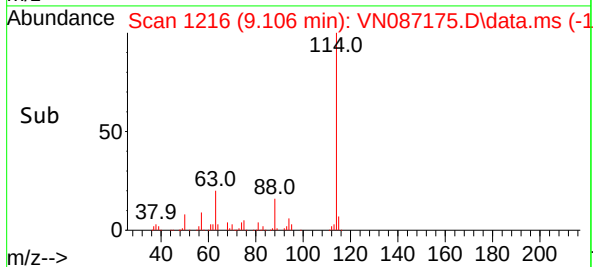
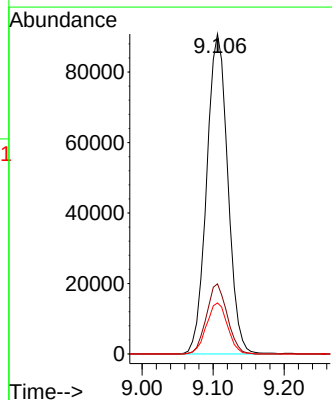
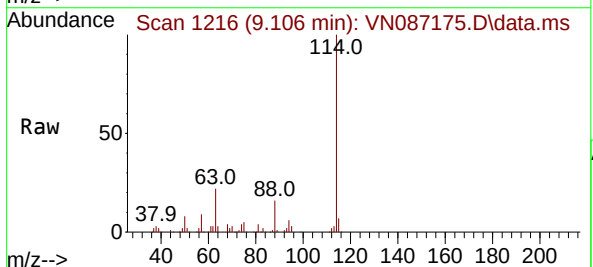
Tgt Ion: 114 Resp: 187691

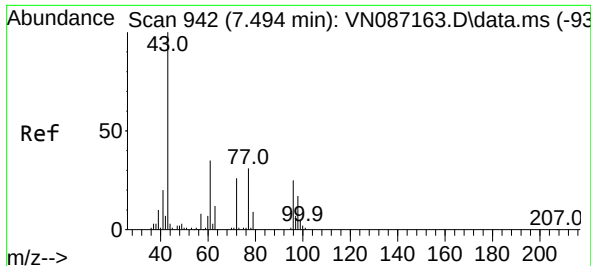
Ion Ratio Lower Upper

114 100

63 21.5 17.0 25.4

88 15.9 12.6 19.0

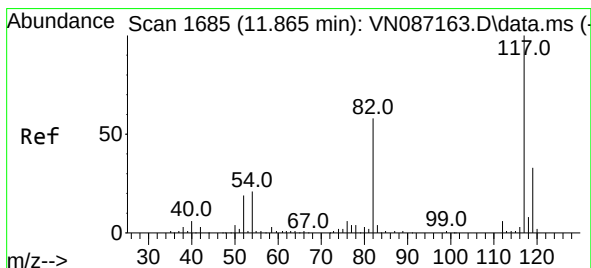
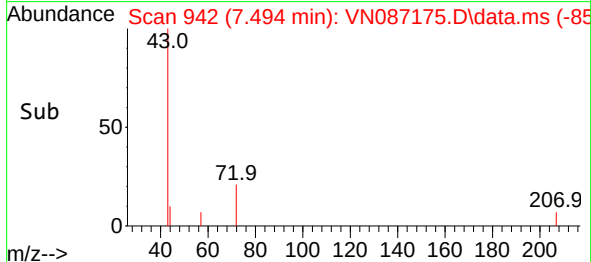
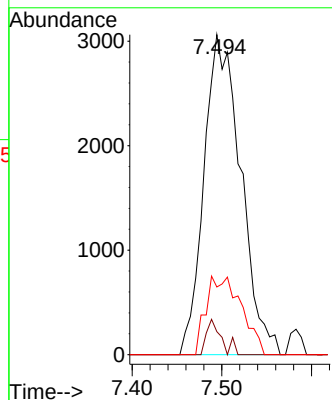
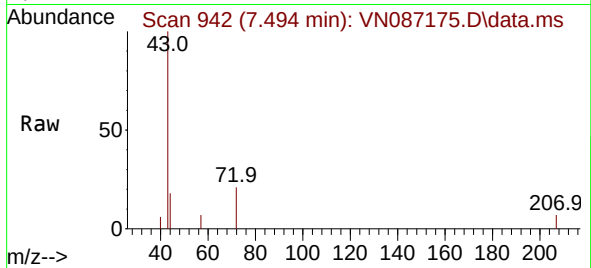




#30
2-Butanone
Concen: 4.420 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN087175.D
Acq: 25 Jun 2025 14:15

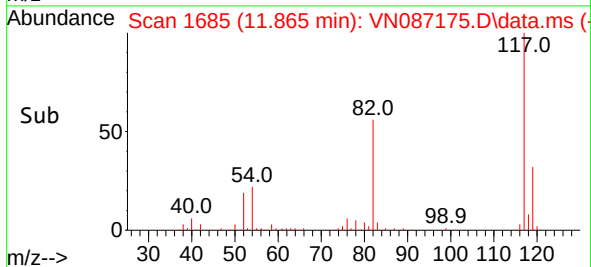
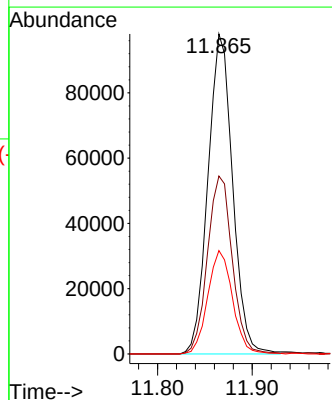
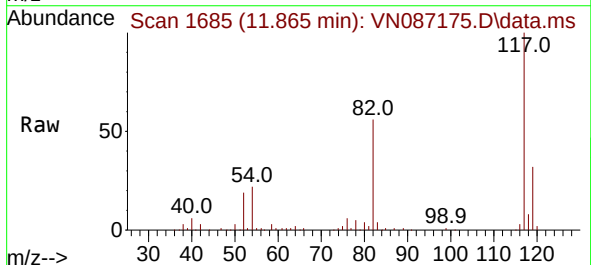
Instrument :
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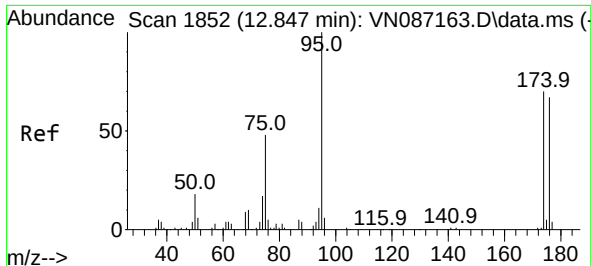
Tgt Ion: 43 Resp: 8722
Ion Ratio Lower Upper
43 100
57 3.8 6.3 9.5#
72 8.7 21.8 32.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN087175.D
Acq: 25 Jun 2025 14:15

Tgt Ion: 117 Resp: 177573
Ion Ratio Lower Upper
117 100
82 56.1 45.4 68.2
119 32.4 26.2 39.4

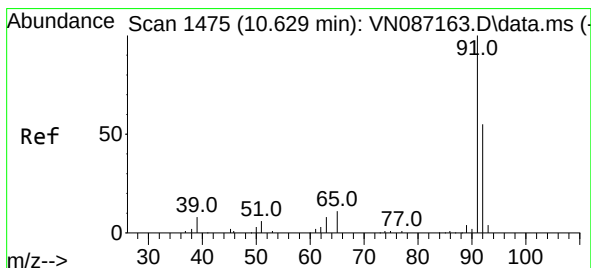
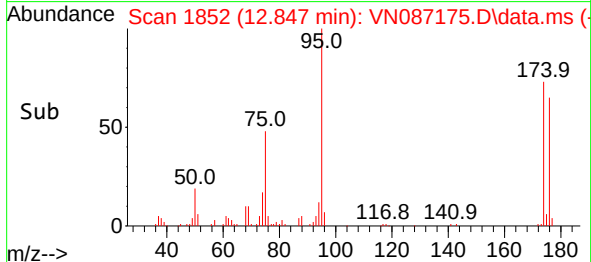
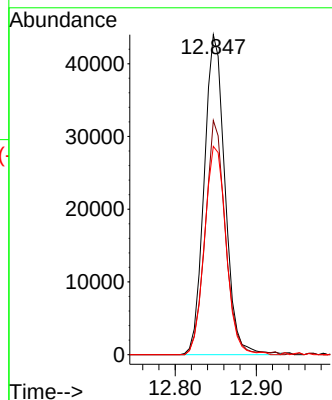
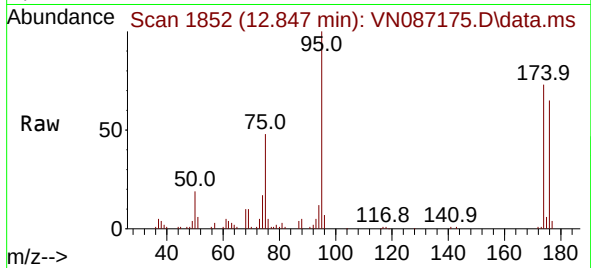




#60
4-Bromofluorobenzene
Concen: 28.542 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087175.D
Acq: 25 Jun 2025 14:15

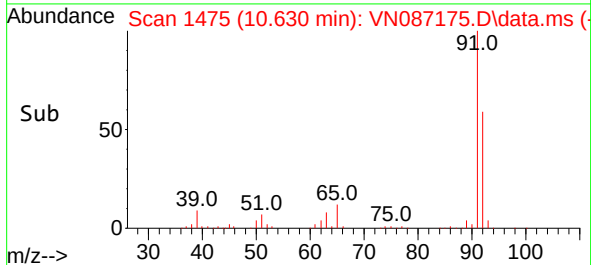
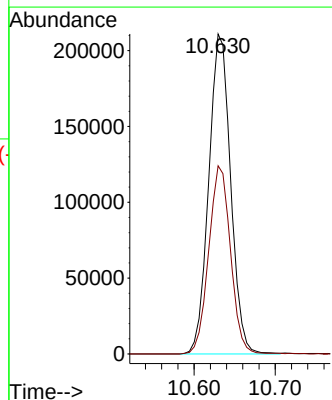
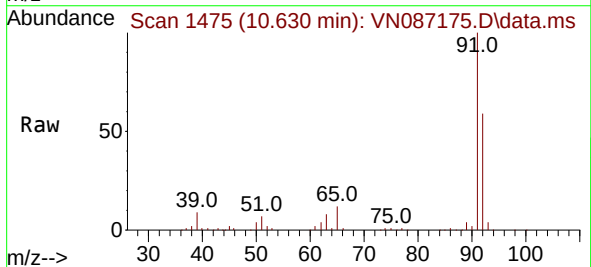
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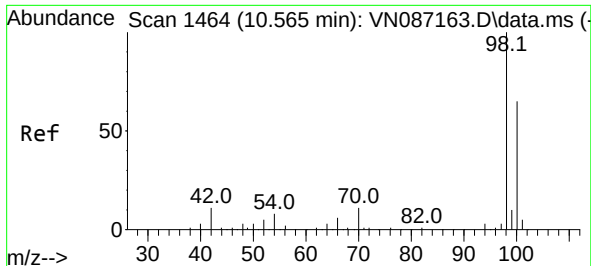
Tgt Ion: 95 Resp: 78209
Ion Ratio Lower Upper
95 100
174 70.5 54.5 81.7
176 67.3 51.9 77.9



#62
Toluene
Concen: 39.343 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN087175.D
Acq: 25 Jun 2025 14:15

Tgt Ion: 91 Resp: 394572
Ion Ratio Lower Upper
91 100
92 58.4 45.8 68.8

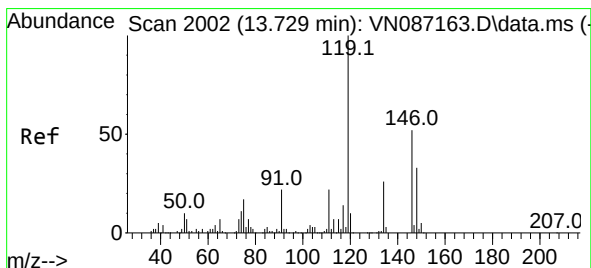
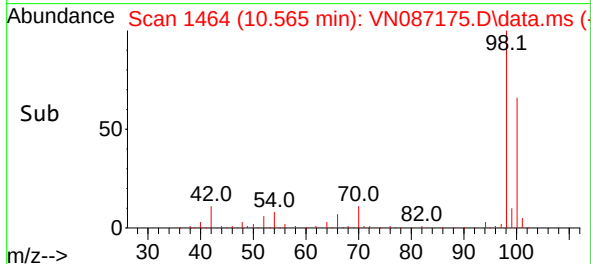
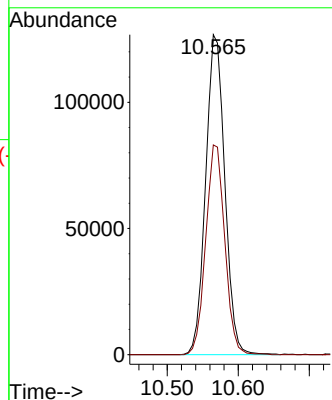
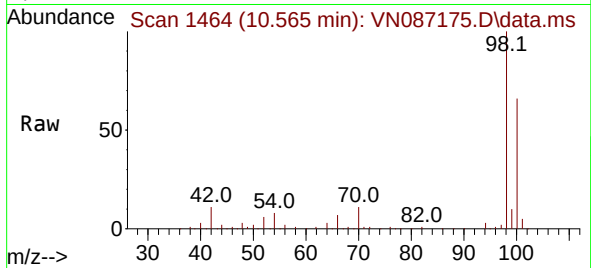




#63
Toluene-d8
Concen: 29.848 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN087175.D
Acq: 25 Jun 2025 14:15

Instrument :
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002-35TH-AVE(JUNE)DL

Tgt Ion: 98 Resp: 237981
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7



#82
p-Isopropyltoluene
Concen: 0.540 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN087175.D
Acq: 25 Jun 2025 14:15

Tgt Ion: 119 Resp: 4465
Ion Ratio Lower Upper
119 100
134 22.0 0.0 51.2
91 25.7 0.0 46.4

