

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071825\
 Data File : VN087358.D
 Acq On : 18 Jul 2025 12:12
 Operator : JC\MD
 Sample : Q2630-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002 35th Ave (JUNE)

Quant Time: Jul 18 12:47:40 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)

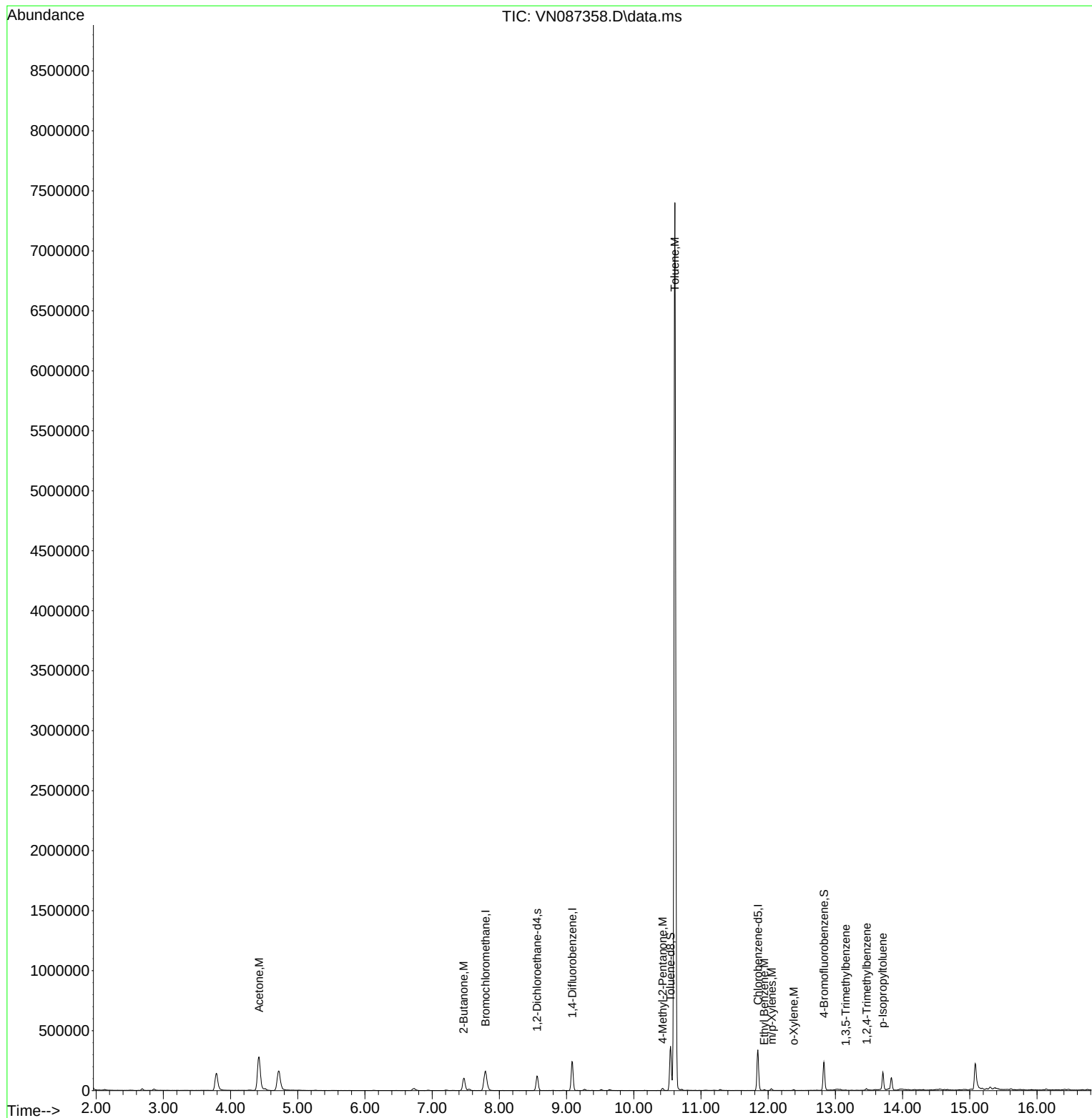
Internal Standards						
1) Bromochloromethane	7.794	128	40595	30.000	ug/l	-0.03
28) 1,4-Difluorobenzene	9.088	114	208925	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.847	117	187807	30.000	ug/l	-0.02
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	101637	33.229	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 110	Recovery	=	110.767%#
60) 4-Bromofluorobenzene	12.829	95	84672	29.217	ug/l	-0.02
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.400%
63) Toluene-d8	10.547	98	247701	29.375	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.900%
Target Compounds						
					Qvalue	
15) Acetone	4.424	58	166491	317.234	ug/l	75
30) 2-Butanone	7.471	43	176094	80.166	ug/l #	94
58) 4-Methyl-2-Pentanone	10.429	43	14161	3.751	ug/l	90
62) Toluene	10.612	91	5405378	509.603	ug/l	98
66) Ethyl Benzene	11.941	91	4899	0.422	ug/l	89
67) m/p-Xylenes	12.053	106	4169	0.937	ug/l	87
68) o-Xylene	12.382	106	1997	0.470	ug/l	92
76) 1,3,5-Trimethylbenzene	13.153	105	1888	0.219	ug/l	79
80) 1,2,4-Trimethylbenzene	13.464	105	6012	0.696	ug/l	97
82) p-Isopropyltoluene	13.706	119	79671	9.104	ug/l	97

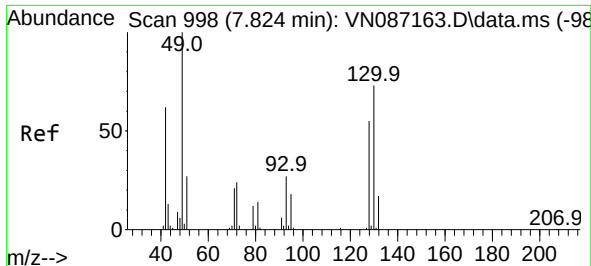
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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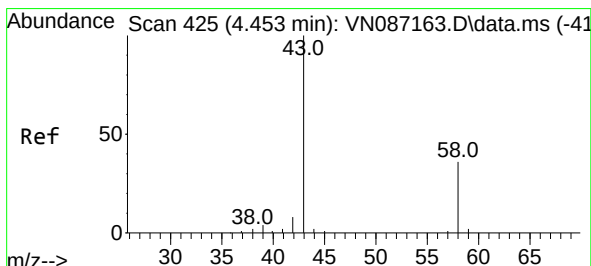
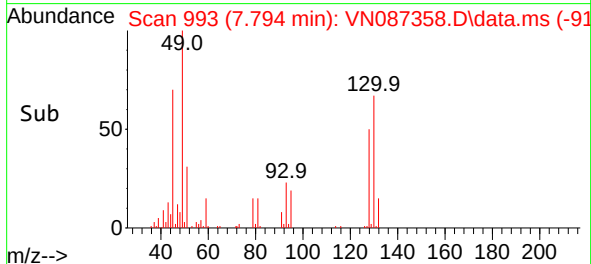
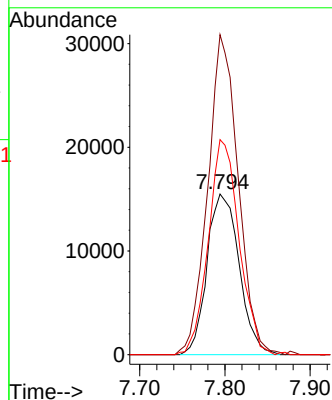
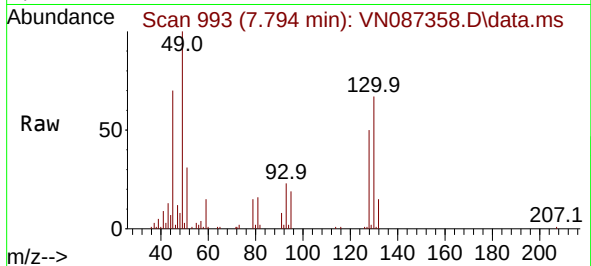




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 91
Delta R.T. -0.030 min
Lab File: VN087358.D
Acq: 18 Jul 2025 12:12

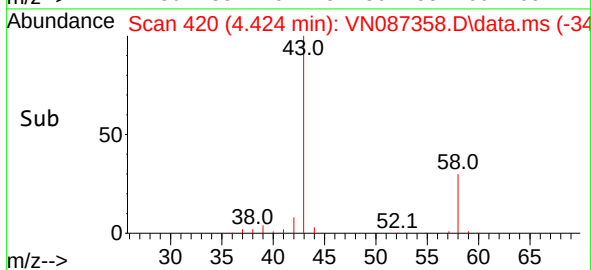
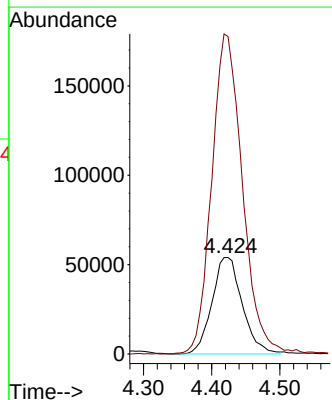
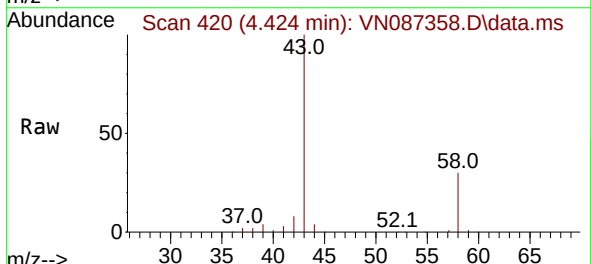
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (JUNE)

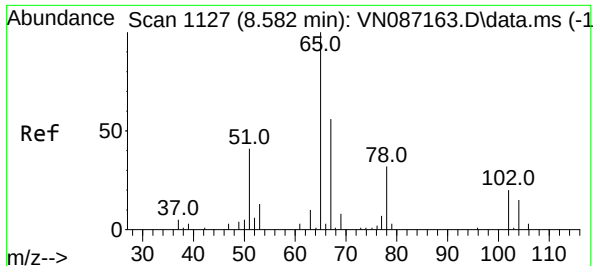
Tgt Ion:128 Resp: 40595
Ion Ratio Lower Upper
128 100
49 188.6 0.0 450.5
130 128.3 0.0 320.7



#15
Acetone
Concen: 317.234 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.030 min
Lab File: VN087358.D
Acq: 18 Jul 2025 12:12

Tgt Ion: 58 Resp: 166491
Ion Ratio Lower Upper
58 100
43 328.0 224.3 336.5

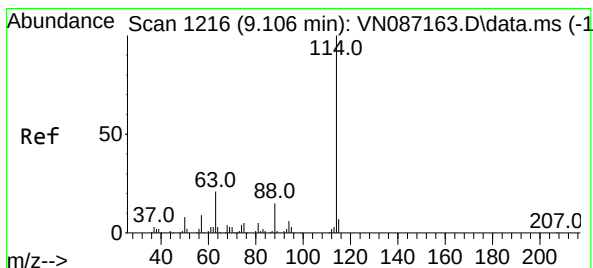
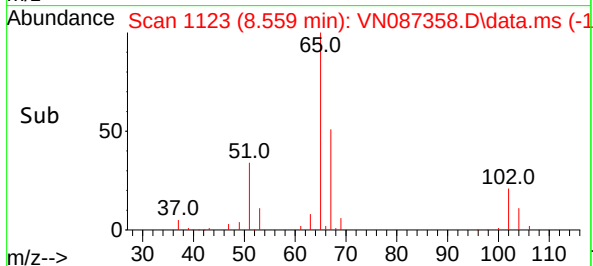
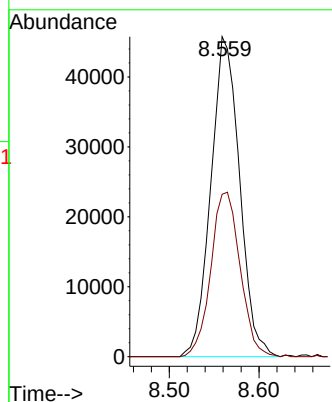
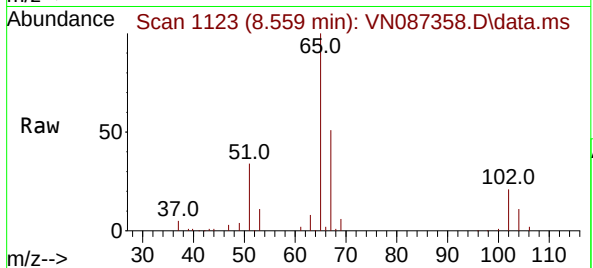




#27
1,2-Dichloroethane-d4
Concen: 33.229 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.024 min
Lab File: VN087358.D
Acq: 18 Jul 2025 12:12

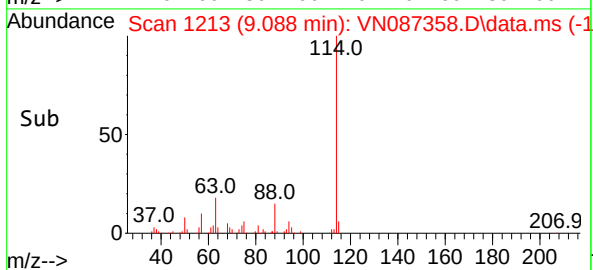
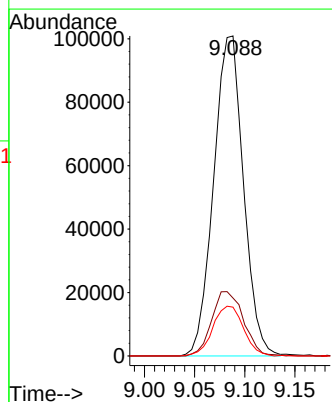
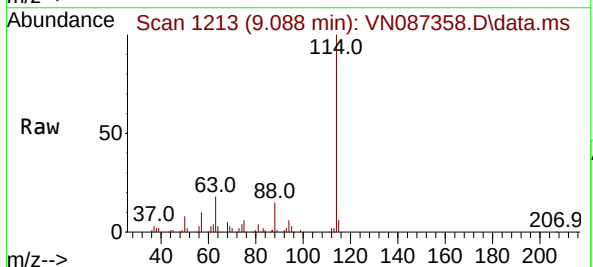
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (JUNE)

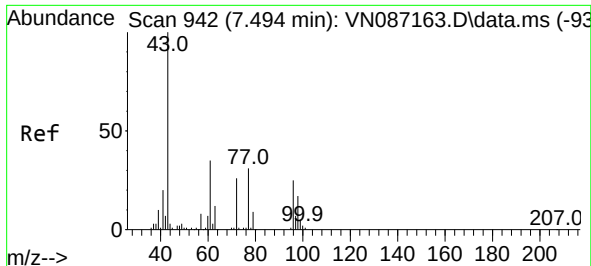
Tgt Ion: 65 Resp: 101637
Ion Ratio Lower Upper
65 100
67 52.4 41.9 62.9



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.088 min Scan# 1213
Delta R.T. -0.018 min
Lab File: VN087358.D
Acq: 18 Jul 2025 12:12

Tgt Ion: 114 Resp: 208925
Ion Ratio Lower Upper
114 100
63 21.4 17.0 25.4
88 16.0 12.6 19.0

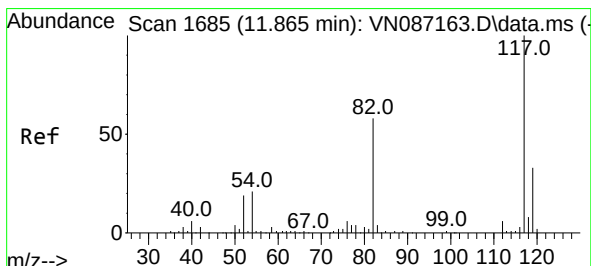
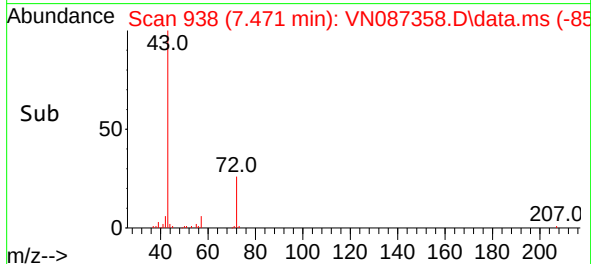
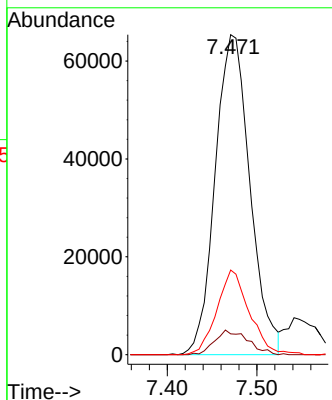
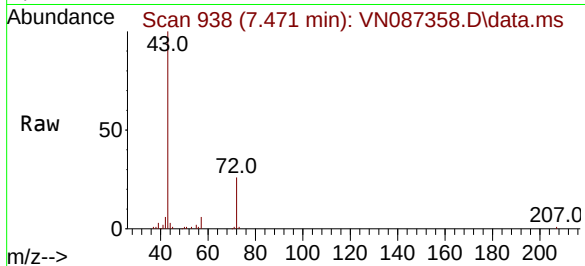




#30
2-Butanone
Concen: 80.166 ug/l
RT: 7.471 min Scan# 91
Delta R.T. -0.024 min
Lab File: VN087358.D
Acq: 18 Jul 2025 12:12

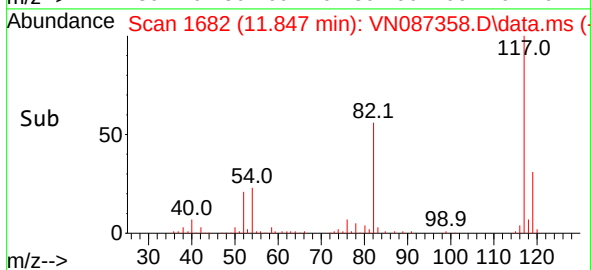
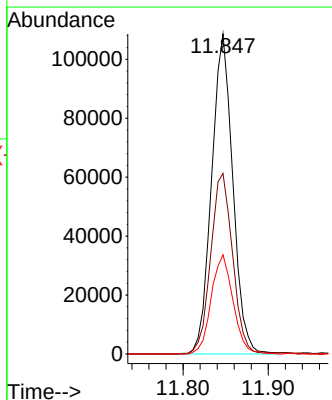
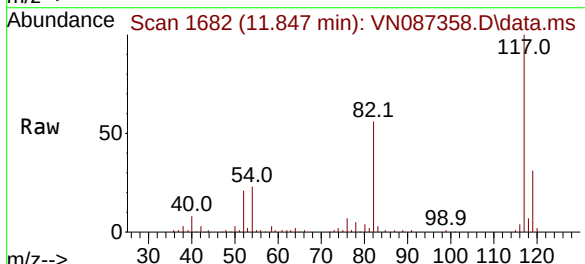
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (JUNE)

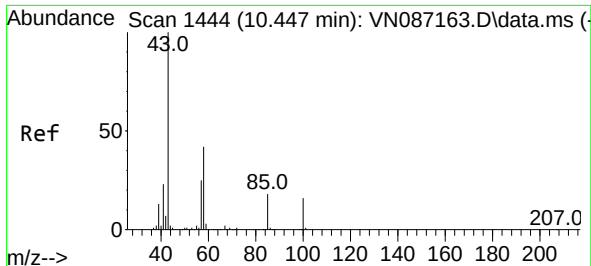
Tgt Ion: 43 Resp: 176094
Ion Ratio Lower Upper
43 100
57 4.7 6.3 9.5#
72 24.7 21.8 32.6



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.018 min
Lab File: VN087358.D
Acq: 18 Jul 2025 12:12

Tgt Ion: 117 Resp: 187807
Ion Ratio Lower Upper
117 100
82 58.0 45.4 68.2
119 31.8 26.2 39.4

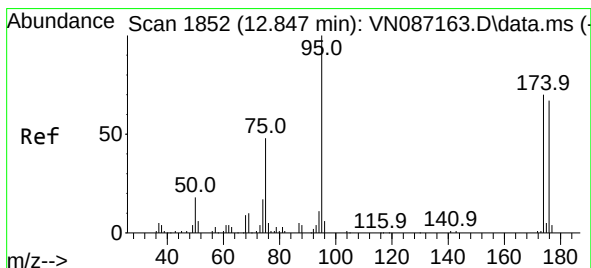
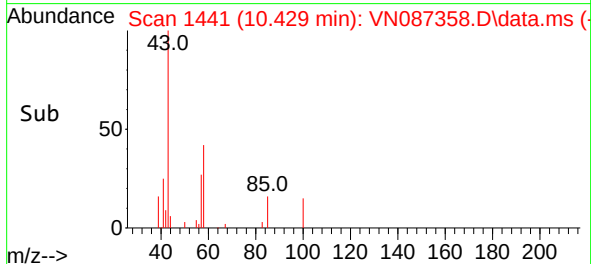
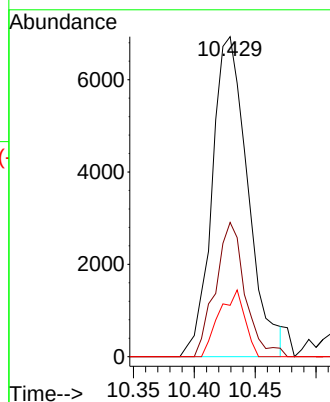
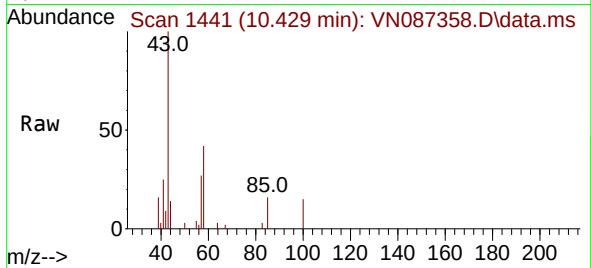




#58
4-Methyl-2-Pentanone
Concen: 3.751 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. -0.018 min
Lab File: VN087358.D
Acq: 18 Jul 2025 12:12

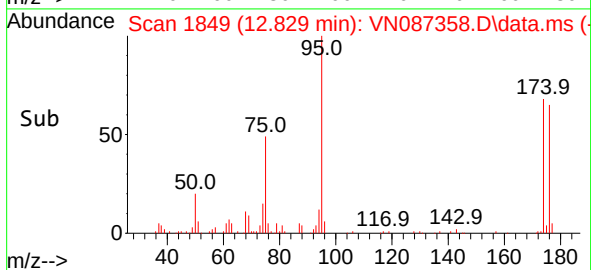
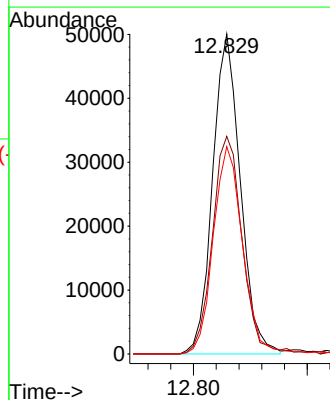
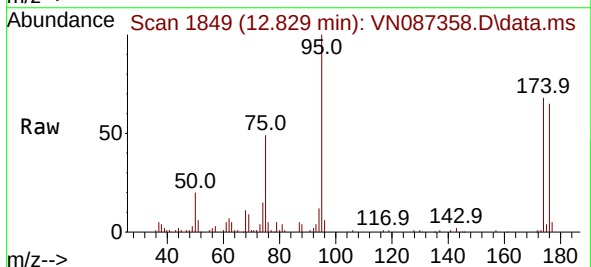
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (JUNE)

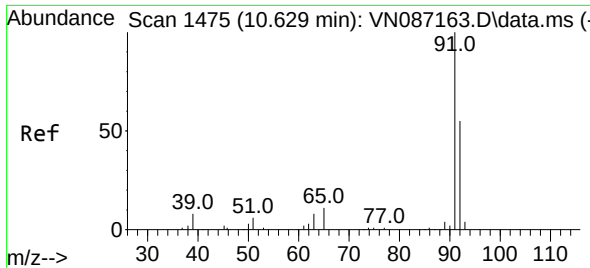
Tgt Ion:	43	Resp:	14161
Ion	Ratio	Lower	Upper
43	100		
58	33.9	32.6	49.0
85	15.0	14.6	22.0



#60
4-Bromofluorobenzene
Concen: 29.217 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.018 min
Lab File: VN087358.D
Acq: 18 Jul 2025 12:12

Tgt Ion:	95	Resp:	84672
Ion	Ratio	Lower	Upper
95	100		
174	72.3	54.5	81.7
176	68.7	51.9	77.9

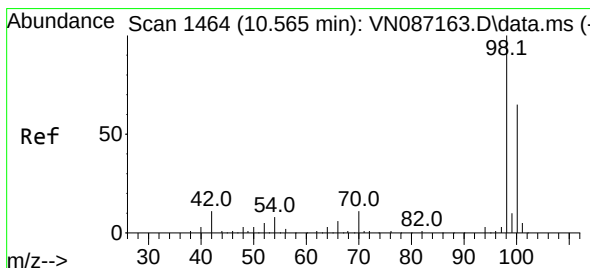
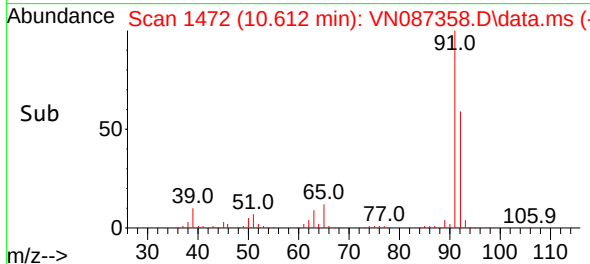
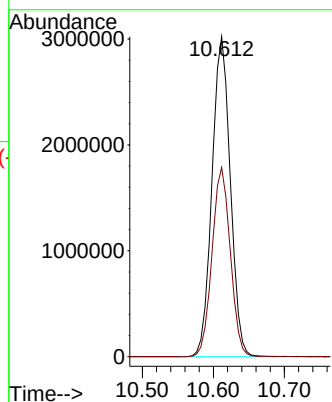
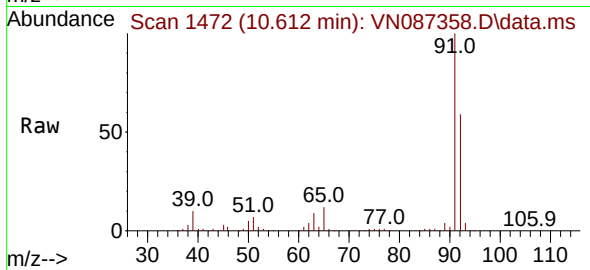




#62
Toluene
Concen: 509.603 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. -0.018 min
Lab File: VN087358.D
Acq: 18 Jul 2025 12:12

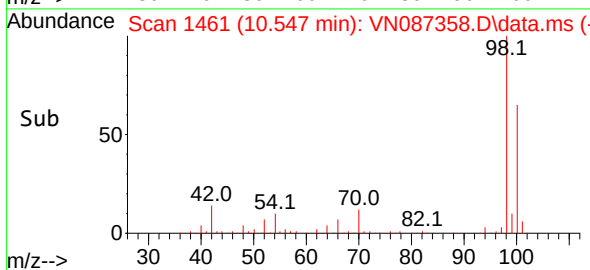
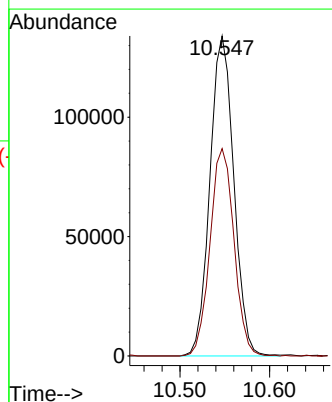
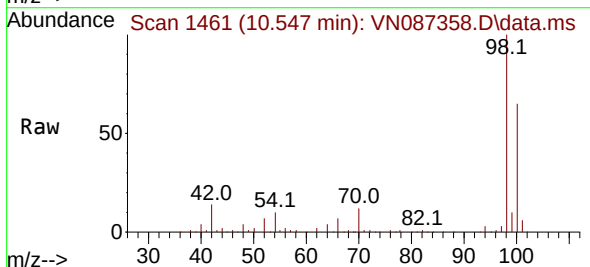
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (JUNE)

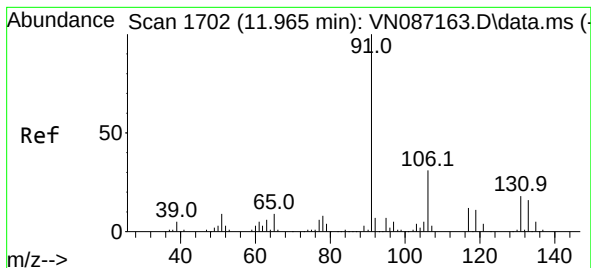
Tgt Ion: 91 Resp: 5405378
Ion Ratio Lower Upper
91 100
92 58.9 45.8 68.8



#63
Toluene-d8
Concen: 29.375 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.018 min
Lab File: VN087358.D
Acq: 18 Jul 2025 12:12

Tgt Ion: 98 Resp: 247701
Ion Ratio Lower Upper
98 100
100 65.0 52.5 78.7

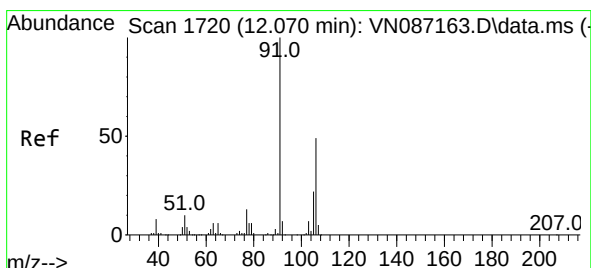
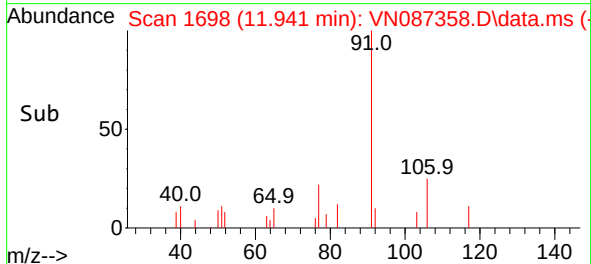
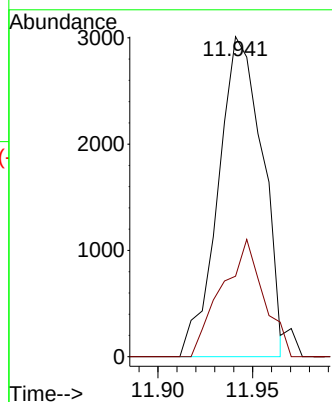
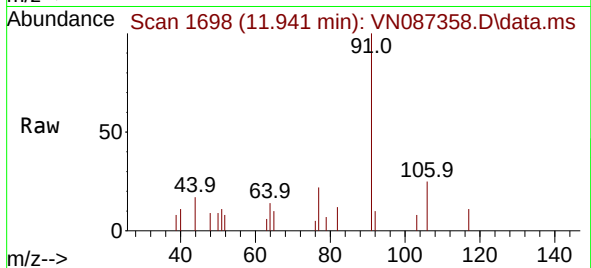




#66
Ethyl Benzene
Concen: 0.422 ug/l
RT: 11.941 min Scan# 11941
Delta R.T. -0.024 min
Lab File: VN087358.D
Acq: 18 Jul 2025 12:12

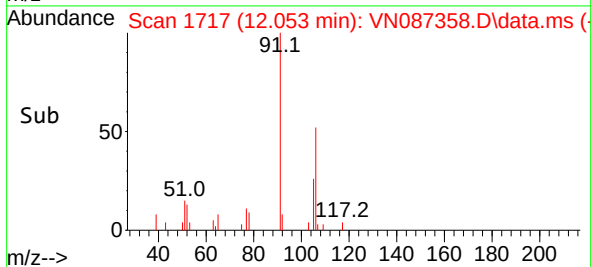
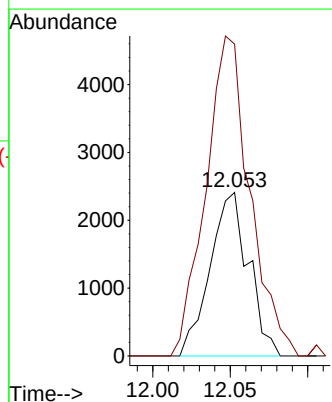
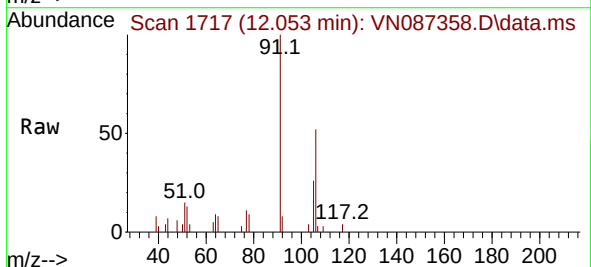
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MSVOA_N
ClientSampleId :
002 35th Ave (JUNE)

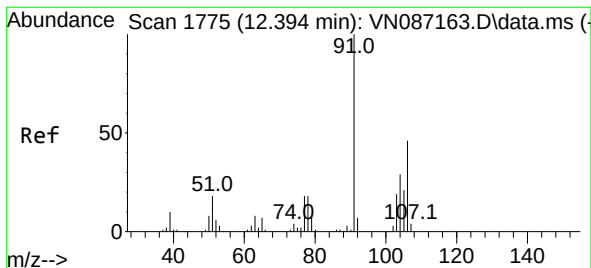
Tgt Ion: 91 Resp: 4899
Ion Ratio Lower Upper
91 100
106 25.1 24.8 37.2



#67
m/p-Xylenes
Concen: 0.937 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. -0.018 min
Lab File: VN087358.D
Acq: 18 Jul 2025 12:12

Tgt Ion: 106 Resp: 4169
Ion Ratio Lower Upper
106 100
91 223.9 163.0 244.4





#68

o-Xylene

Concen: 0.470 ug/l

RT: 12.382 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN087358.D

Acq: 18 Jul 2025 12:12

Instrument :

MSVOA_N

ClientSampleId :

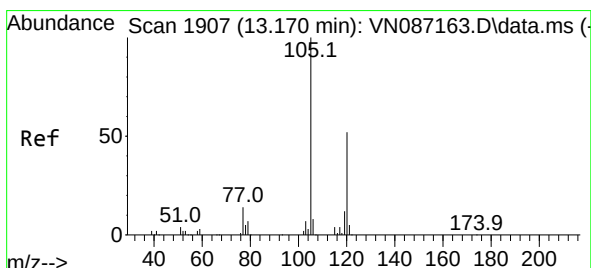
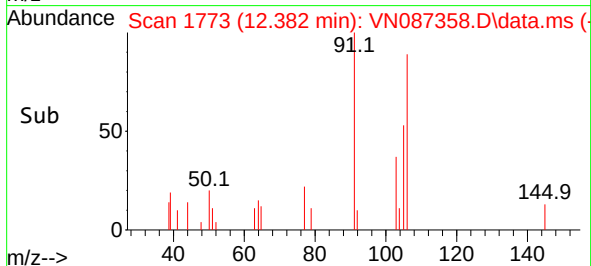
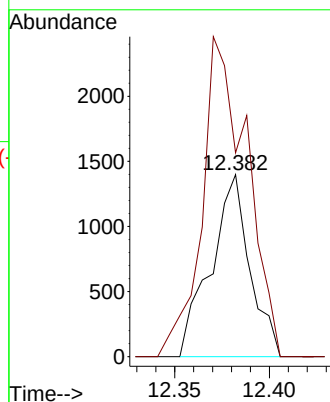
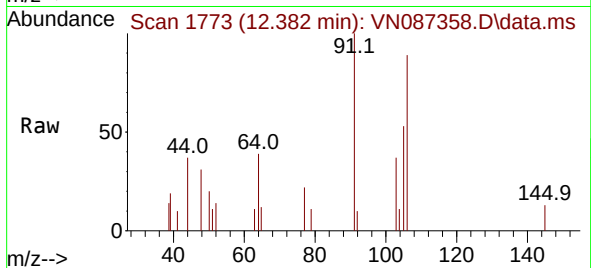
002 35th Ave (JUNE)

Tgt Ion:106 Resp: 1997

Ion Ratio Lower Upper

106 100

91 201.8 107.1 321.1



#76

1,3,5-Trimethylbenzene

Concen: 0.219 ug/l

RT: 13.153 min Scan# 1904

Delta R.T. -0.018 min

Lab File: VN087358.D

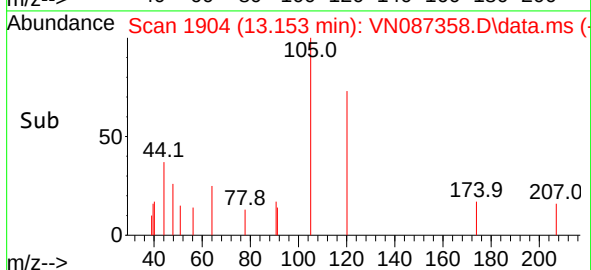
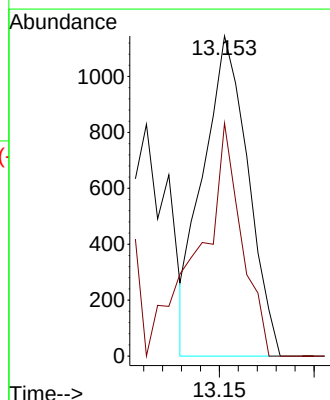
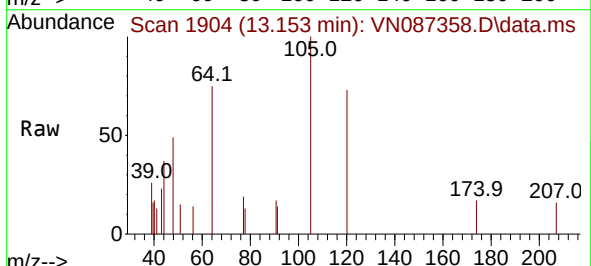
Acq: 18 Jul 2025 12:12

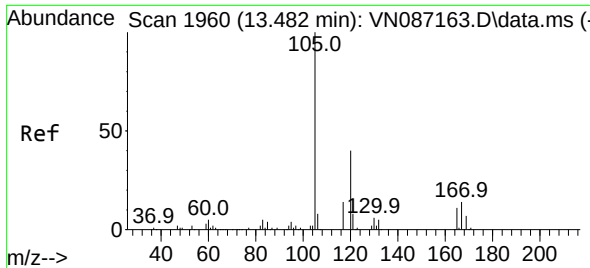
Tgt Ion:105 Resp: 1888

Ion Ratio Lower Upper

105 100

120 35.6 0.0 100.8

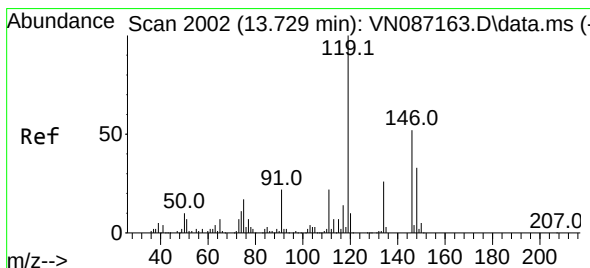
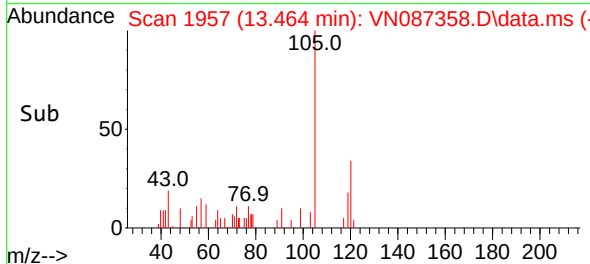
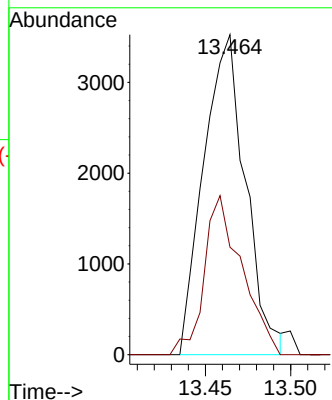
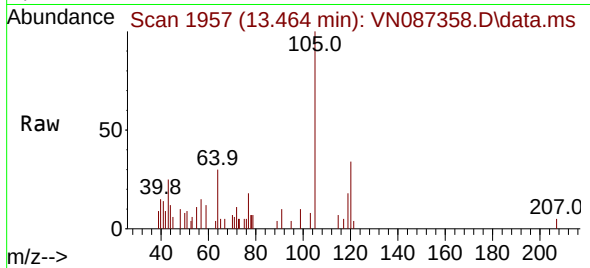




#80
1,2,4-Trimethylbenzene
Concen: 0.696 ug/l
RT: 13.464 min Scan# 1957
Delta R.T. -0.018 min
Lab File: VN087358.D
Acq: 18 Jul 2025 12:12

Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (JUNE)

Tgt Ion:105 Resp: 6012
Ion Ratio Lower Upper
105 100
120 44.7 0.0 94.0



#82
p-Isopropyltoluene
Concen: 9.104 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. -0.024 min
Lab File: VN087358.D
Acq: 18 Jul 2025 12:12

Tgt Ion:119 Resp: 79671
Ion Ratio Lower Upper
119 100
134 26.6 0.0 51.2
91 25.6 0.0 46.4

