

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082025\
 Data File : VN087613.D
 Acq On : 20 Aug 2025 13:25
 Operator : JC\MD
 Sample : Q2904-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Aug 21 02:44:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 06 02:01:21 2025
 Response via : Initial Calibration

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

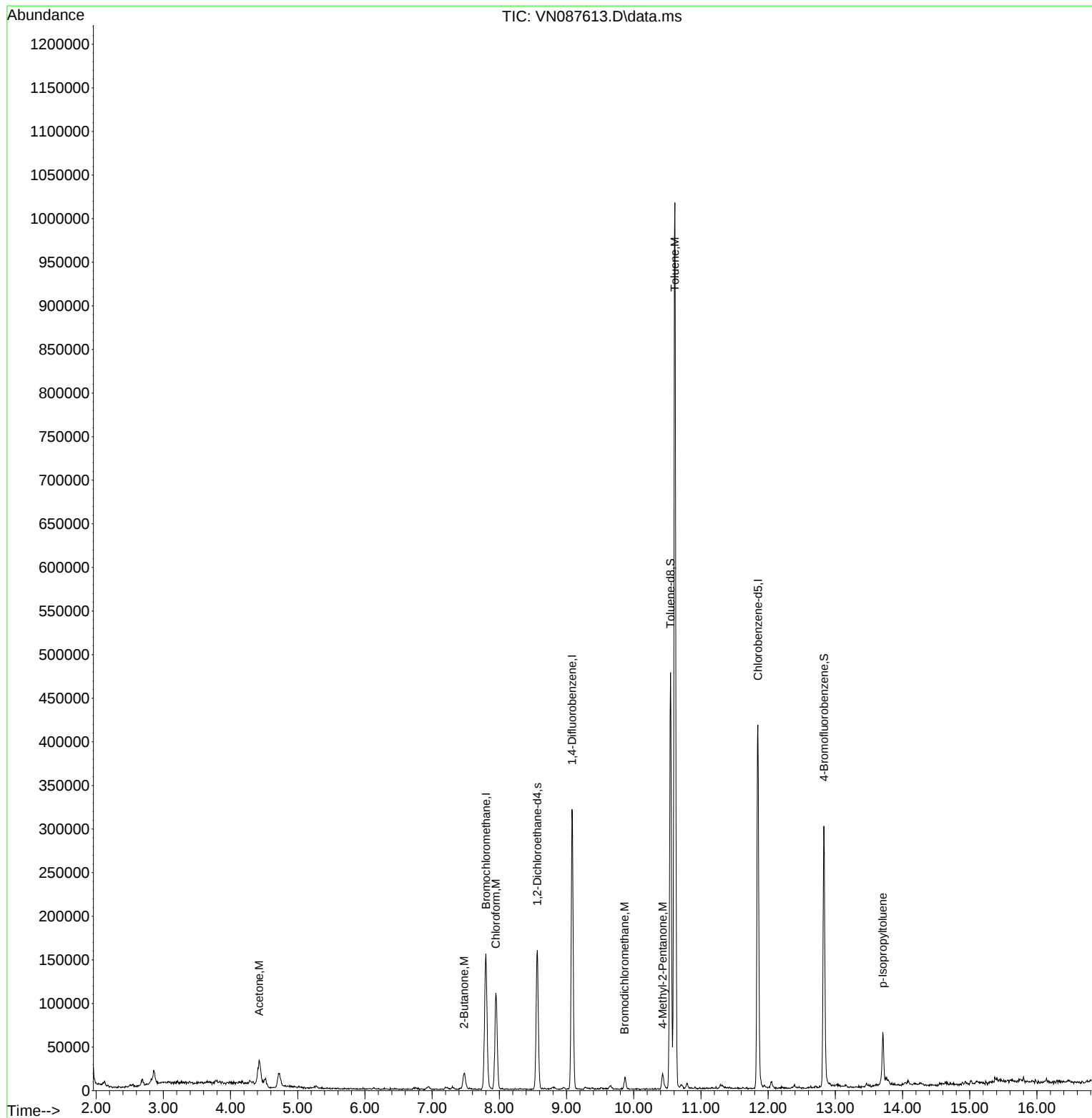
Internal Standards						
1) Bromochloromethane	7.800	128	47710	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	260602	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	225830	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	131877	29.968	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.900%
60) 4-Bromofluorobenzene	12.829	95	107793	27.736	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.467%
63) Toluene-d8	10.547	98	314059	30.224	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.733%
Target Compounds						
					Qvalue	
15) Acetone	4.424	58	14457	24.030	ug/l #	67
25) Chloroform	7.947	83	107270	16.386	ug/l	95
30) 2-Butanone	7.477	43	31099	9.926	ug/l #	81
41) Bromodichloromethane	9.865	83	9316	1.737	ug/l	99
58) 4-Methyl-2-Pentanone	10.430	43	15574	2.681	ug/l	96
62) Toluene	10.612	91	759622	54.499	ug/l	100
82) p-Isopropyltoluene	13.706	119	32681	2.628	ug/l	99

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

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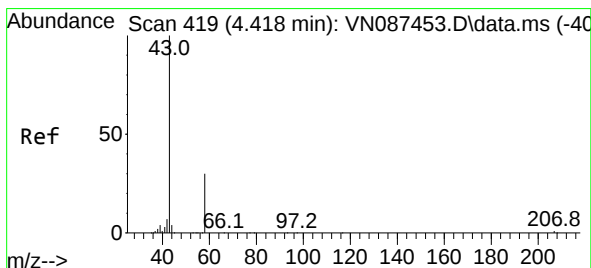
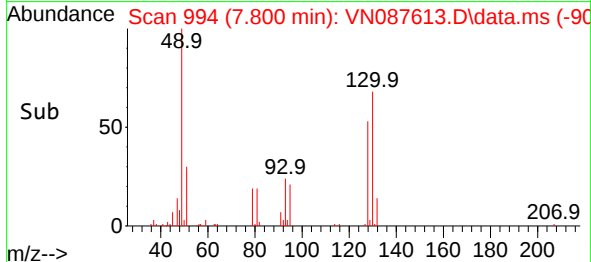
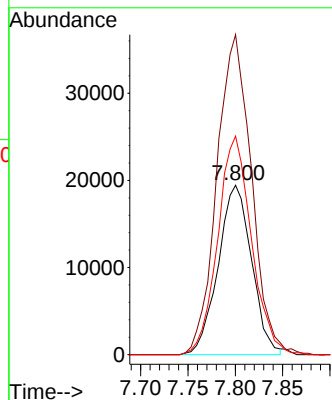
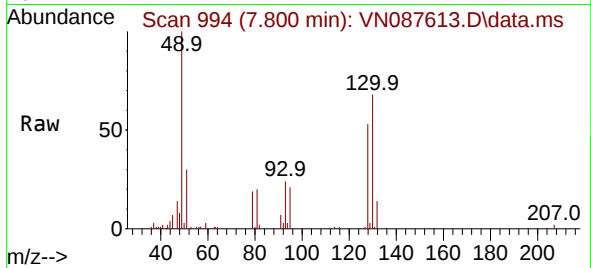




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087613.D
Acq: 20 Aug 2025 13:25

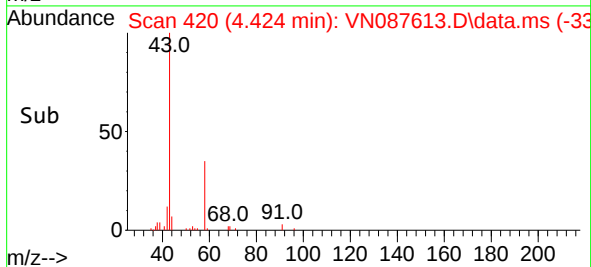
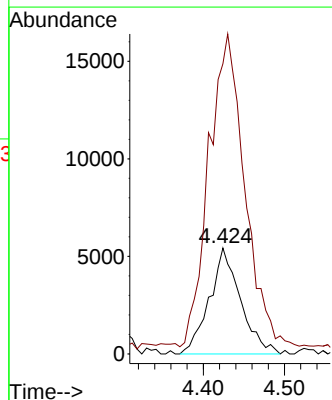
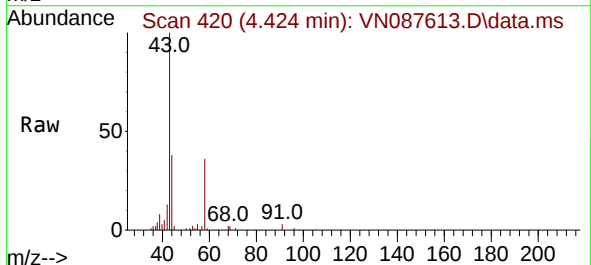
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (JULY)

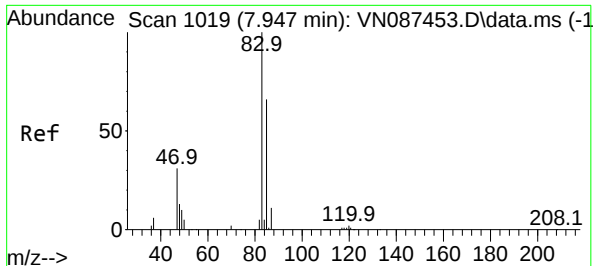
Tgt Ion:128 Resp: 47710
Ion Ratio Lower Upper
128 100
49 195.6 0.0 494.8
130 130.5 0.0 321.5



#15
Acetone
Concen: 24.030 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN087613.D
Acq: 20 Aug 2025 13:25

Tgt Ion: 58 Resp: 14457
Ion Ratio Lower Upper
58 100
43 267.2 268.9 403.3#





#25

Chloroform

Concen: 16.386 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VN087613.D

Acq: 20 Aug 2025 13:25

Instrument :

MSVOA_N

ClientSampleId :

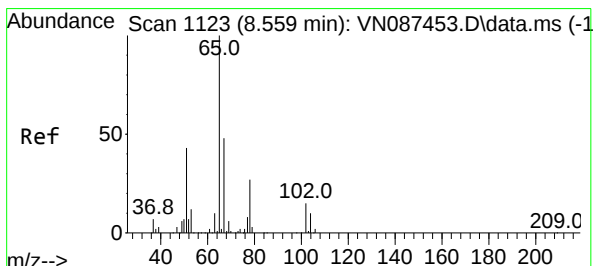
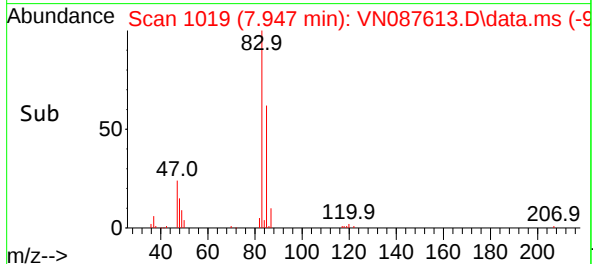
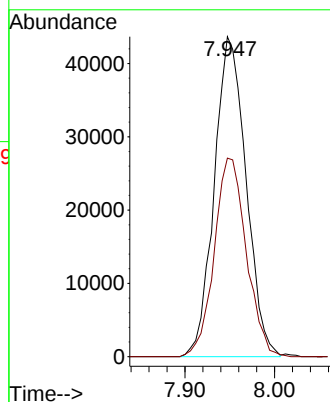
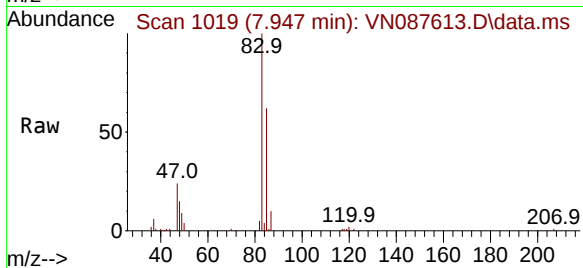
002 35th Ave (JULY)

Tgt Ion: 83 Resp: 107270

Ion Ratio Lower Upper

83 100

85 62.1 52.6 78.8



#27

1,2-Dichloroethane-d4

Concen: 29.968 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN087613.D

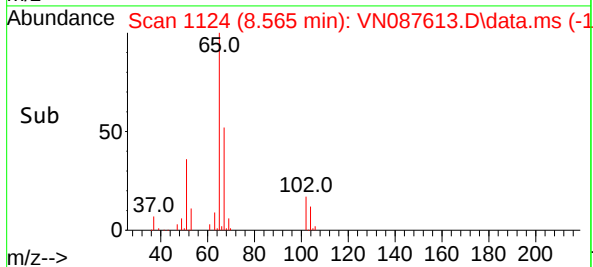
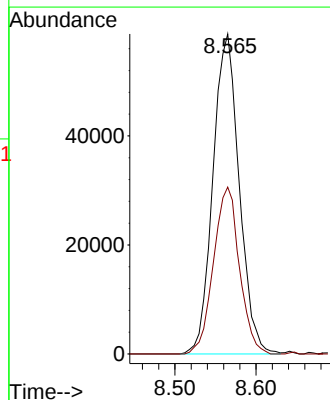
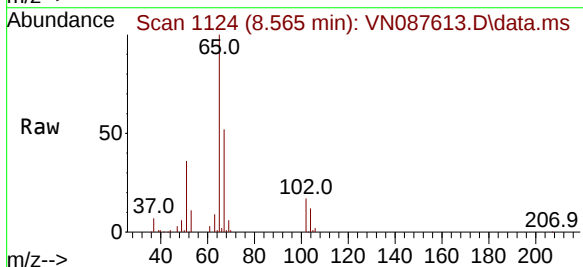
Acq: 20 Aug 2025 13:25

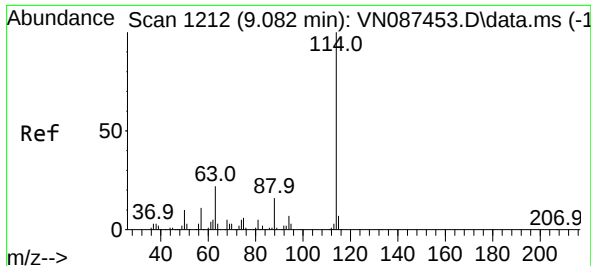
Tgt Ion: 65 Resp: 131877

Ion Ratio Lower Upper

65 100

67 51.5 40.8 61.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 114

Delta R.T. 0.000 min

Lab File: VN087613.D

Acq: 20 Aug 2025 13:25

Instrument :

MSVOA_N

ClientSampleId :

002 35th Ave (JULY)

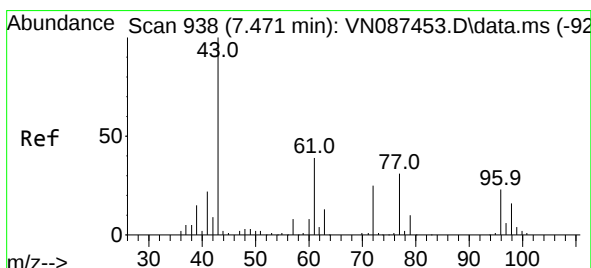
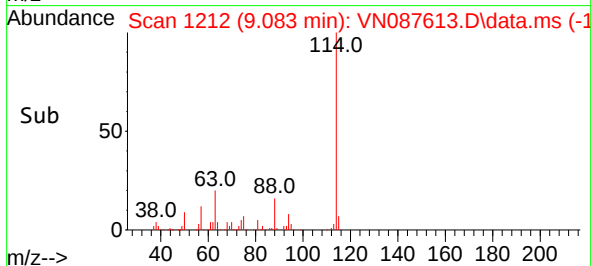
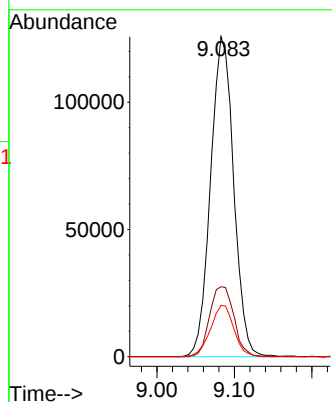
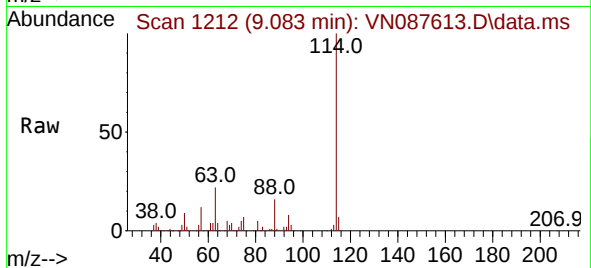
Tgt Ion:114 Resp: 260602

Ion Ratio Lower Upper

114 100

63 23.1 18.9 28.3

88 16.1 13.1 19.7



#30

2-Butanone

Concen: 9.926 ug/l

RT: 7.477 min Scan# 939

Delta R.T. 0.006 min

Lab File: VN087613.D

Acq: 20 Aug 2025 13:25

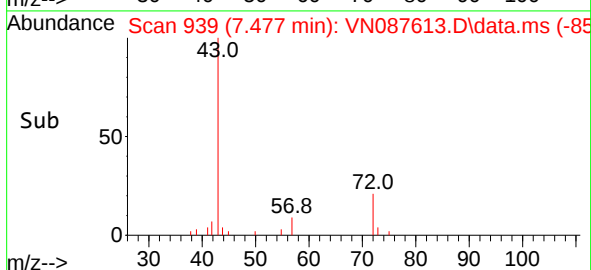
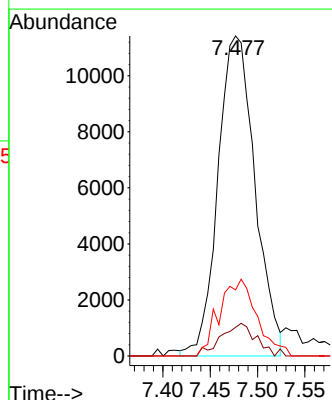
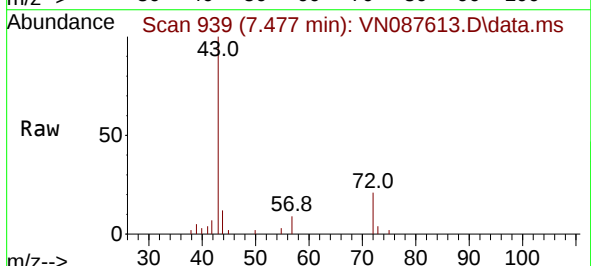
Tgt Ion: 43 Resp: 31099

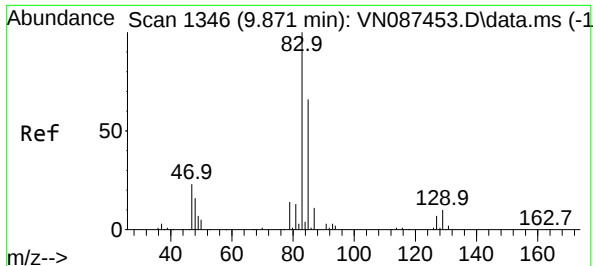
Ion Ratio Lower Upper

43 100

57 8.8 6.6 9.8

72 12.0 19.7 29.5#

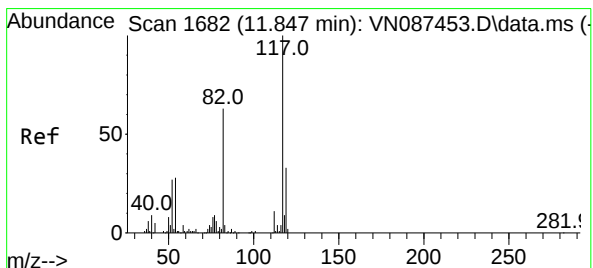
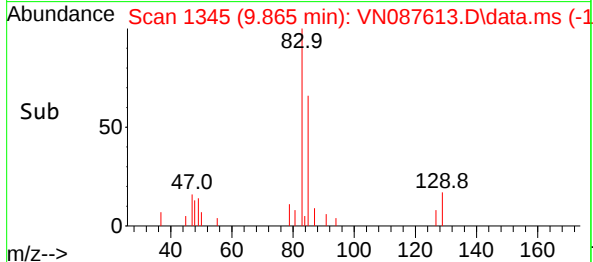
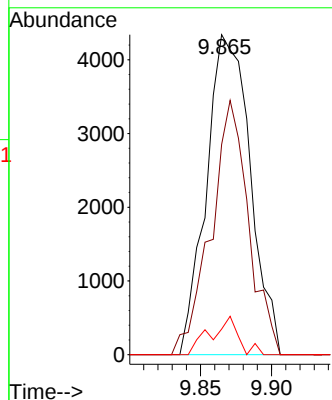
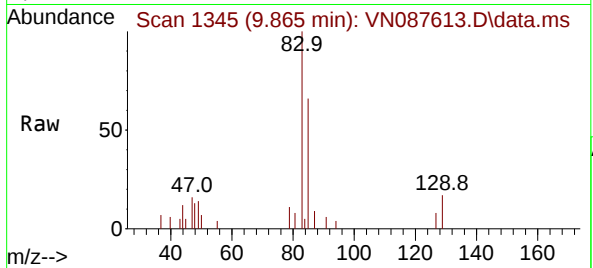




#41
Bromodichloromethane
Concen: 1.737 ug/l
RT: 9.865 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087613.D
Acq: 20 Aug 2025 13:25

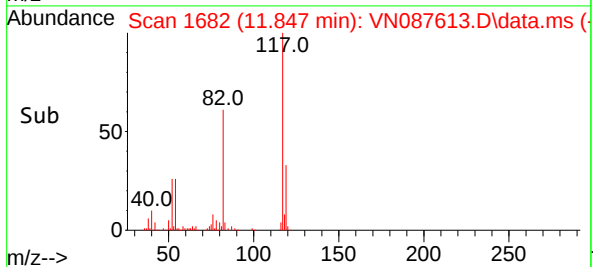
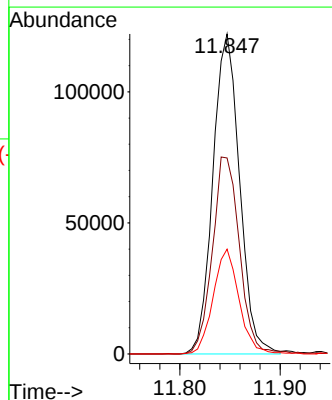
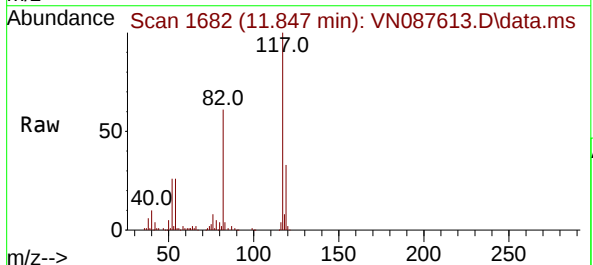
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (JULY)

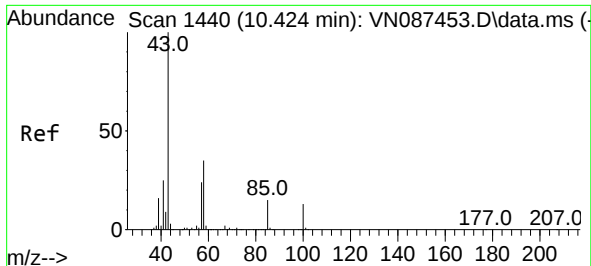
Tgt Ion:	83	Resp:	9316
Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.9	79.3
127	8.0	5.8	8.6



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087613.D
Acq: 20 Aug 2025 13:25

Tgt Ion:	117	Resp:	225830
Ion	Ratio	Lower	Upper
117	100		
82	62.6	49.2	73.8
119	31.7	25.7	38.5

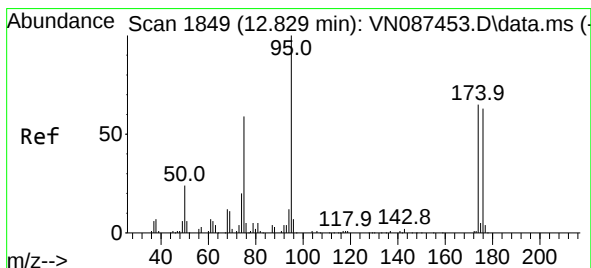
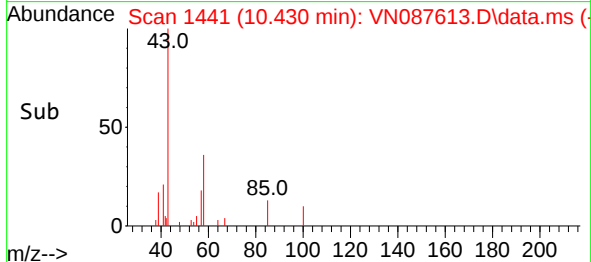
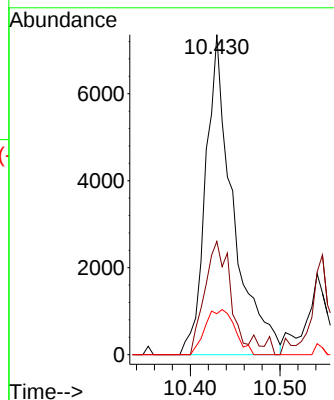
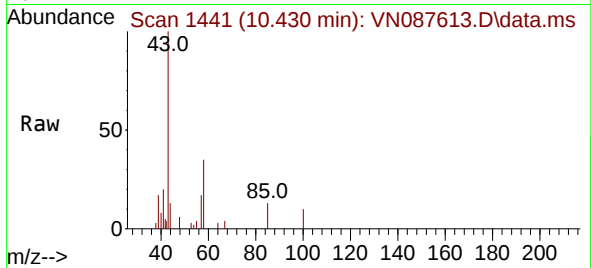




#58
4-Methyl-2-Pentanone
Concen: 2.681 ug/l
RT: 10.430 min Scan# 1440
Delta R.T. 0.006 min
Lab File: VN087613.D
Acq: 20 Aug 2025 13:25

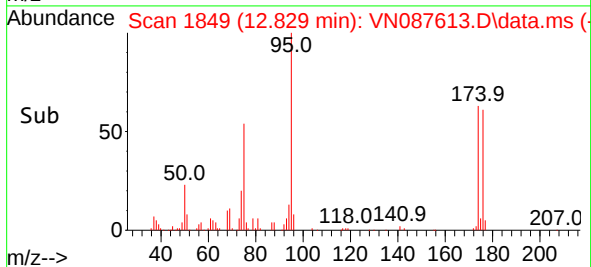
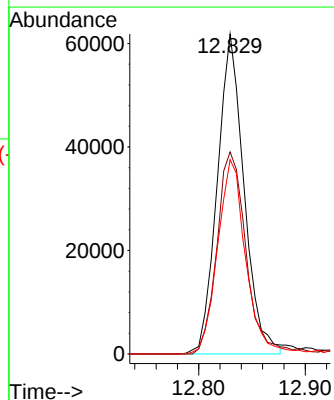
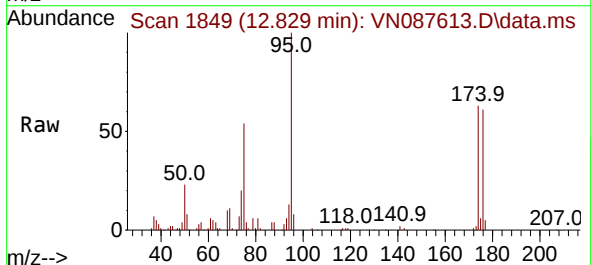
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (JULY)

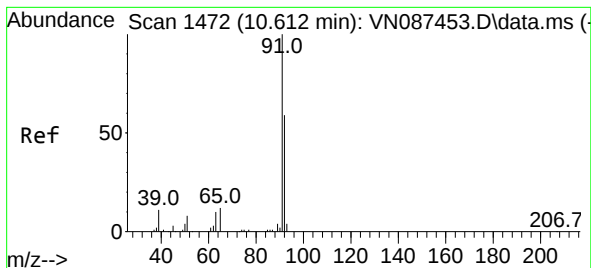
Tgt Ion:	43	Resp:	15574
Ion	Ratio	Lower	Upper
43	100		
58	33.2	29.0	43.6
85	15.3	12.7	19.1



#60
4-Bromofluorobenzene
Concen: 27.736 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087613.D
Acq: 20 Aug 2025 13:25

Tgt Ion:	95	Resp:	107793
Ion	Ratio	Lower	Upper
95	100		
174	68.3	52.3	78.5
176	63.9	49.8	74.8





#62

Toluene

Concen: 54.499 ug/l

RT: 10.612 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VN087613.D

Acq: 20 Aug 2025 13:25

Instrument :

MSVOA_N

ClientSampleId :

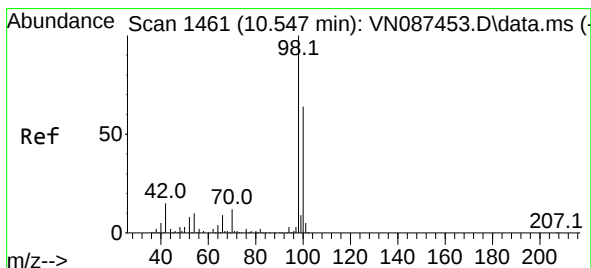
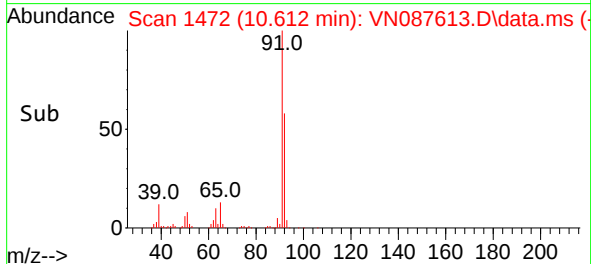
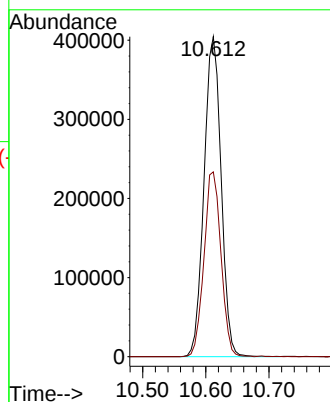
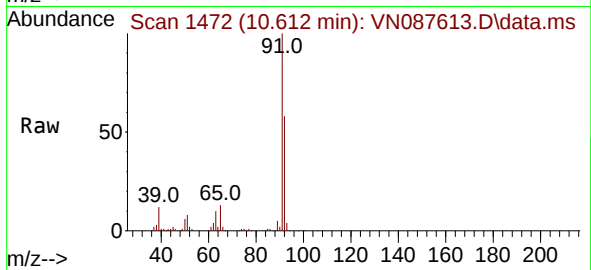
002 35th Ave (JULY)

Tgt Ion: 91 Resp: 759622

Ion Ratio Lower Upper

91 100

92 57.3 45.8 68.6



#63

Toluene-d8

Concen: 30.224 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN087613.D

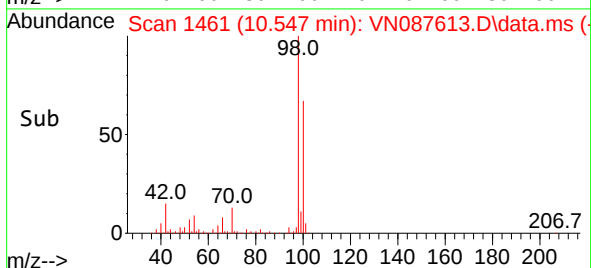
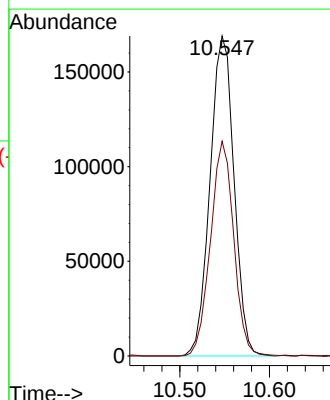
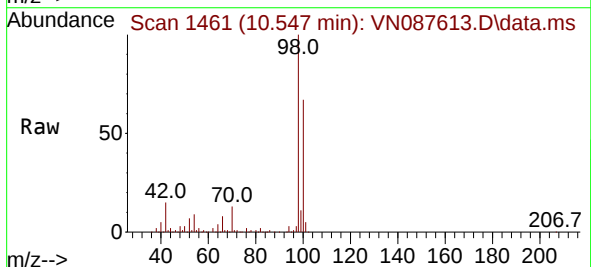
Acq: 20 Aug 2025 13:25

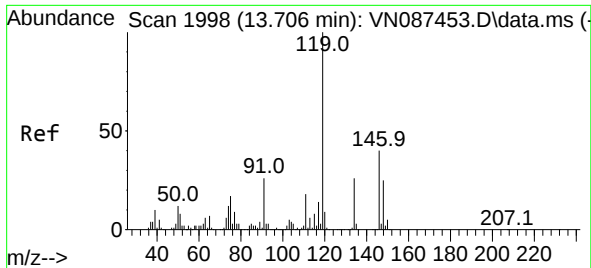
Tgt Ion: 98 Resp: 314059

Ion Ratio Lower Upper

98 100

100 64.8 50.5 75.7





#82
 p-Isopropyltoluene
 Concen: 2.628 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN087613.D
 Acq: 20 Aug 2025 13:25

Instrument :
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 002 35th Ave (JULY)

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.9	0.0	51.4
91	26.7	0.0	52.0

