

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN073025\
 Data File : VN087442.D
 Acq On : 30 Jul 2025 14:06
 Operator : JC\MD
 Sample : Q2729-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jul 31 01:14:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 28 11:35:47 2025
 Response via : Initial Calibration

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

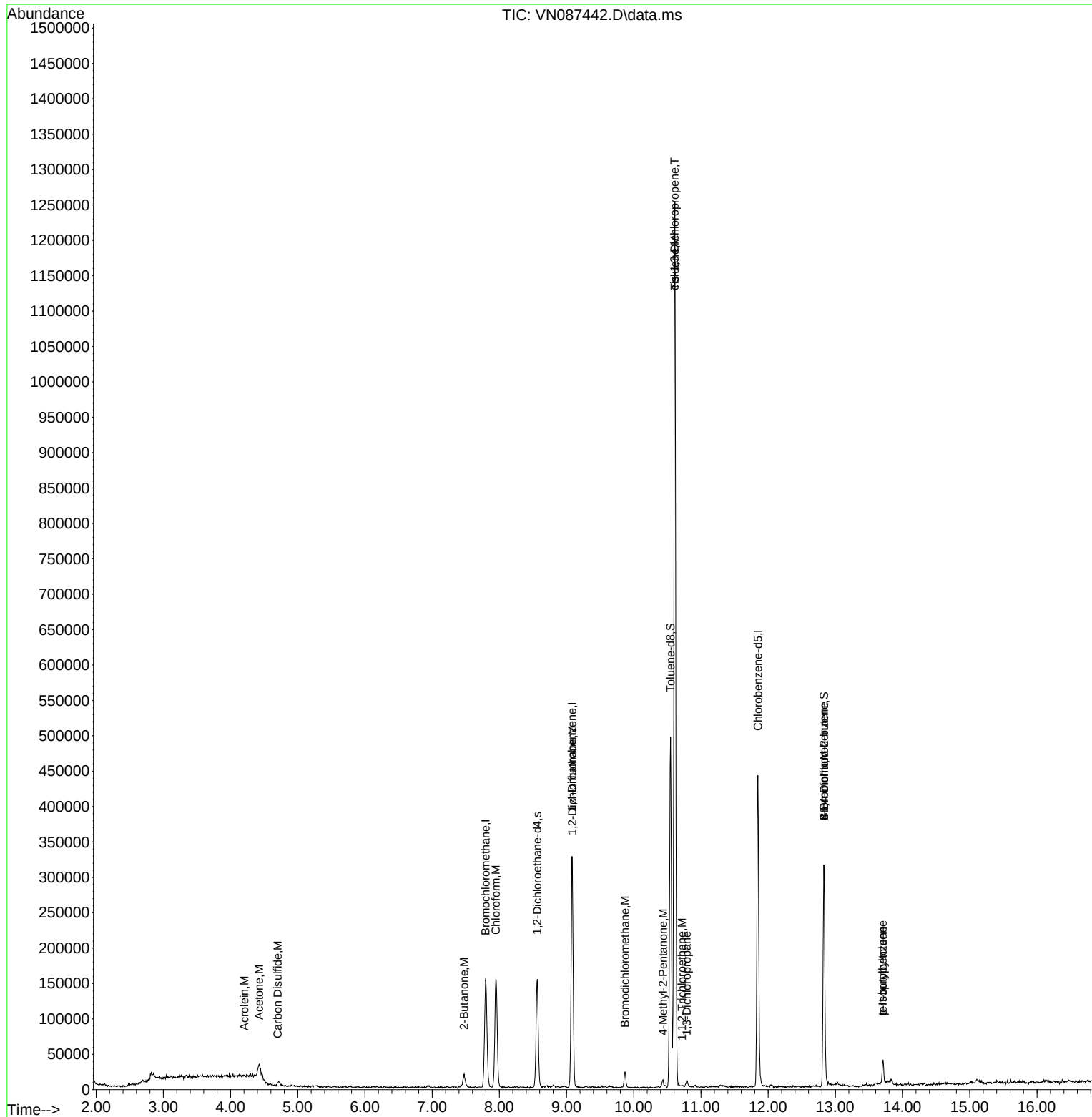
Internal Standards						
1) Bromochloromethane	7.794	128	47253	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	267749	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	235727	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	116776	32.318	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	107.733%
60) 4-Bromofluorobenzene	12.829	95	107671	27.815	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.733%
63) Toluene-d8	10.547	98	333787	30.833	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.767%
Target Compounds						
					Qvalue	
13) Acrolein	4.206	56	832	2.315	ug/l	84
15) Acetone	4.424	58	8579	19.367	ug/l	90
16) Carbon Disulfide	4.700	76	2053	0.286	ug/l #	77
25) Chloroform	7.947	83	148590	27.097	ug/l	94
30) 2-Butanone	7.477	43	27959	10.153	ug/l #	93
36) 1,2-Dichloroethane	9.088	62	10154	2.454	ug/l #	100
41) Bromodichloromethane	9.871	83	14552	3.257	ug/l	90
49) cis-1,3-Dichloropropene	10.606	75	7673	1.452	ug/l #	1
50) 1,1,2-Trichloroethane	10.718	97	896	0.303	ug/l #	14
52) 1,3-Dichloropropane	10.788	76	1732	0.339	ug/l #	41
56) Bromoform	12.829	173	1276	0.536	ug/l #	1
58) 4-Methyl-2-Pentanone	10.435	43	8166	1.538	ug/l #	92
62) Toluene	10.612	91	946991	71.184	ug/l	98
77) t-1,4-Dichloro-2-butene	12.829	75	60987	33.856	ug/l #	14
79) tert-butylbenzene	13.706	119	20629	2.106	ug/l	63
82) p-Isopropyltoluene	13.706	119	20629	1.747	ug/l	96

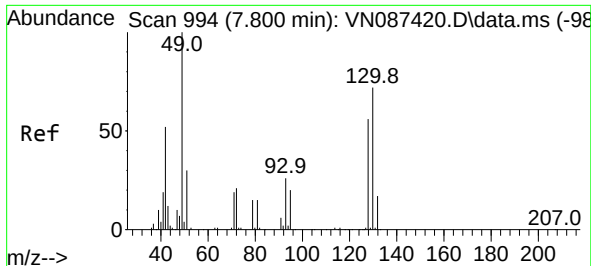
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN073025\
Data File : VN087442.D
Acq On : 30 Jul 2025 14:06
Operator : JC\MD
Sample : Q2729-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jul 31 01:14:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jul 28 11:35:47 2025
Response via : Initial Calibration

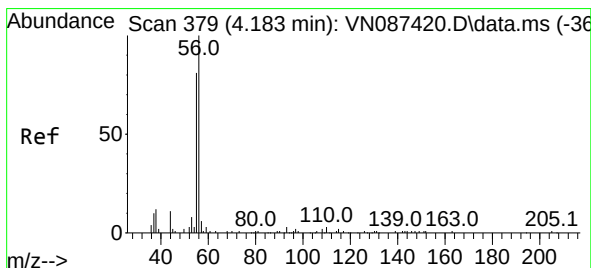
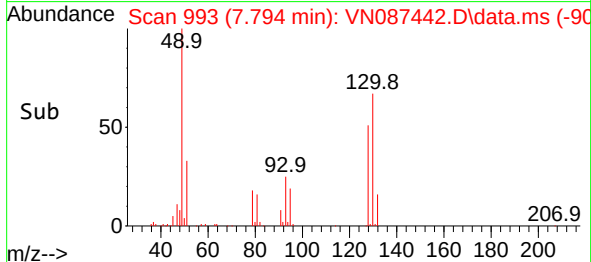
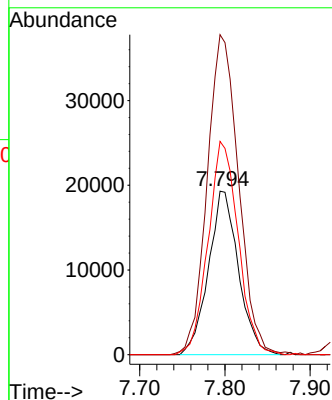
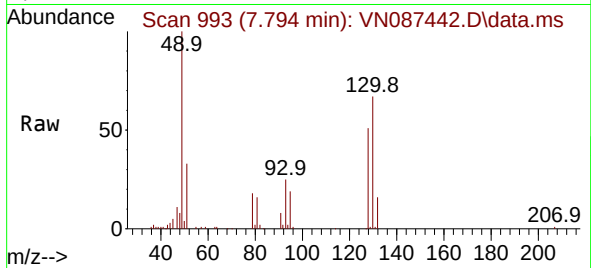




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 994
Delta R.T. -0.006 min
Lab File: VN087442.D
Acq: 30 Jul 2025 14:06

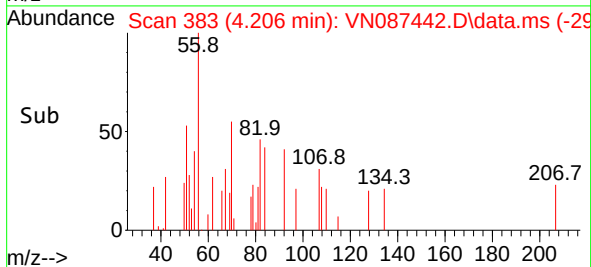
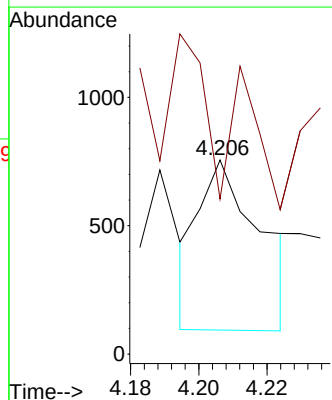
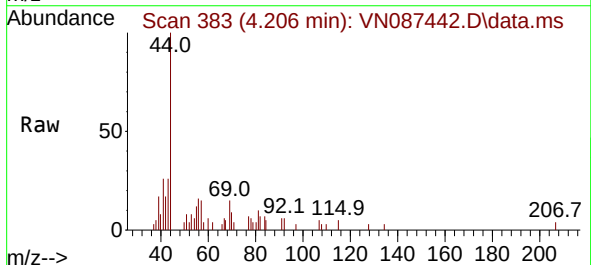
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave(june)

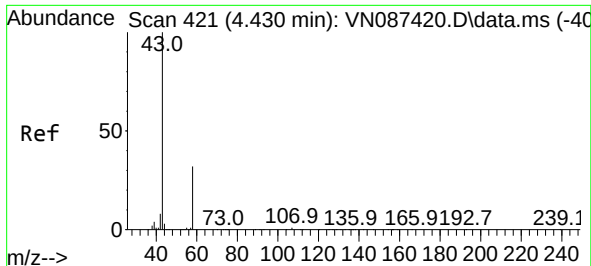
Tgt Ion:128 Resp: 47253
Ion Ratio Lower Upper
128 100
49 204.2 0.0 457.3
130 131.2 0.0 316.0



#13
Acrolein
Concen: 2.315 ug/l
RT: 4.206 min Scan# 383
Delta R.T. 0.023 min
Lab File: VN087442.D
Acq: 30 Jul 2025 14:06

Tgt Ion: 56 Resp: 832
Ion Ratio Lower Upper
56 100
55 59.9 58.9 88.3

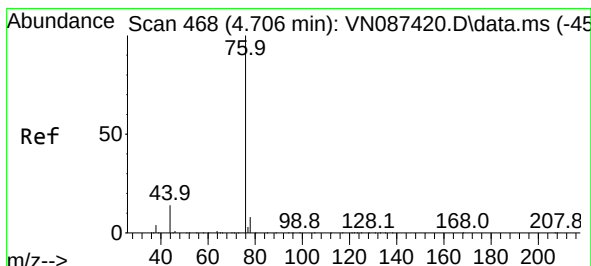
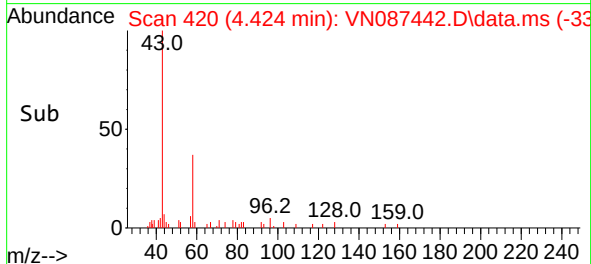
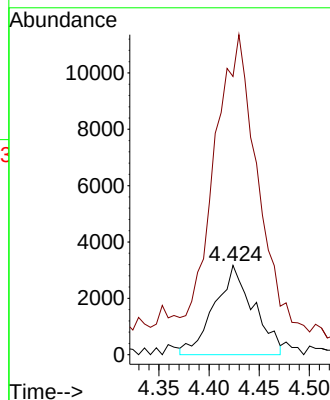
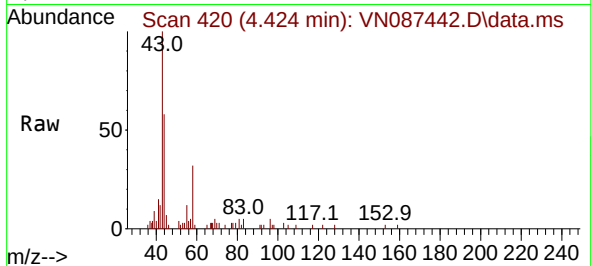




#15
Acetone
Concen: 19.367 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN087442.D
Acq: 30 Jul 2025 14:06

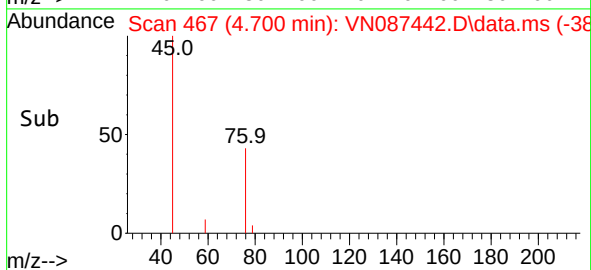
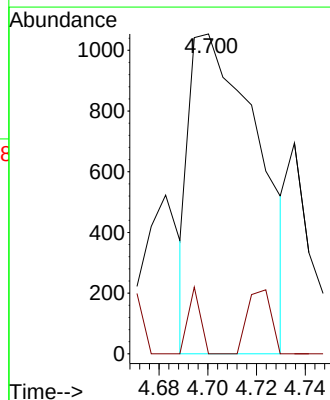
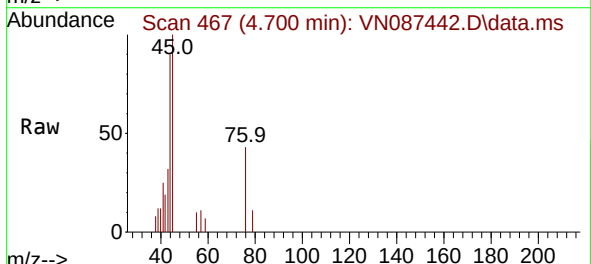
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave(june)

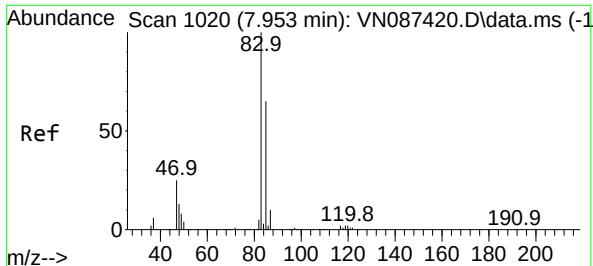
Tgt Ion: 58 Resp: 8579
Ion Ratio Lower Upper
58 100
43 291.0 248.4 372.6



#16
Carbon Disulfide
Concen: 0.286 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.006 min
Lab File: VN087442.D
Acq: 30 Jul 2025 14:06

Tgt Ion: 76 Resp: 2053
Ion Ratio Lower Upper
76 100
78 0.0 6.6 10.0#

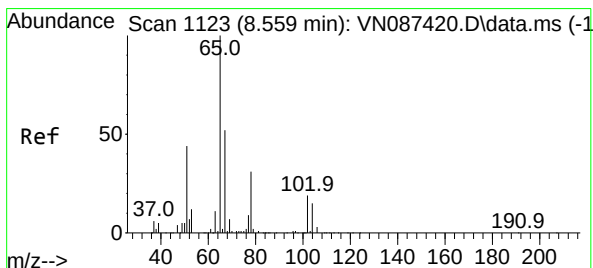
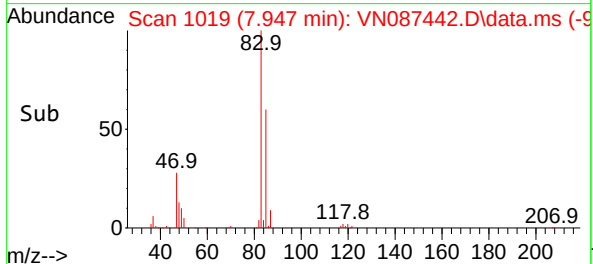
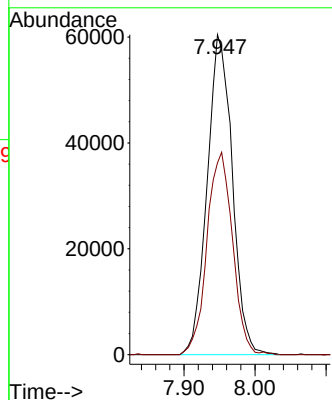
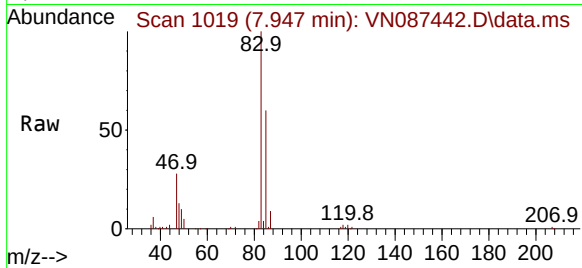




#25
Chloroform
Concen: 27.097 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VN087442.D
Acq: 30 Jul 2025 14:06

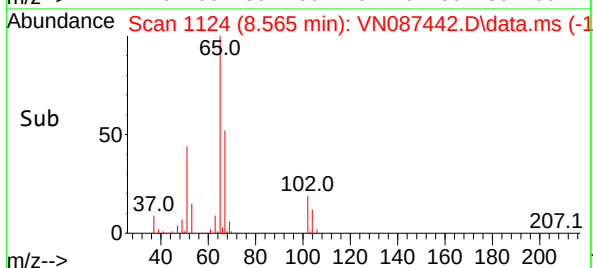
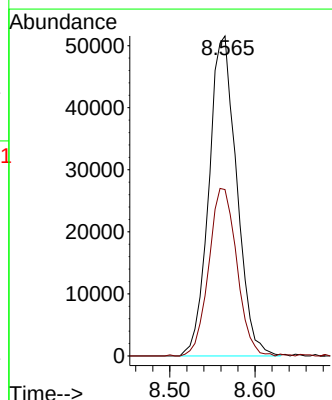
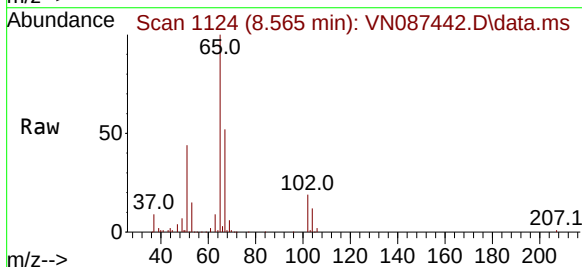
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave(june)

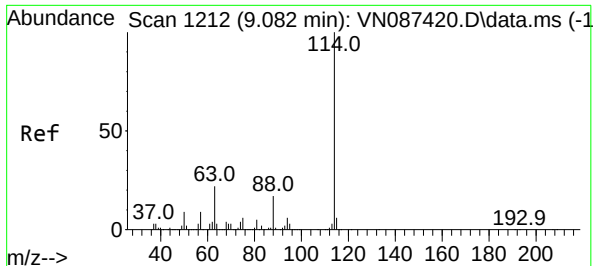
Tgt Ion: 83 Resp: 148590
Ion Ratio Lower Upper
83 100
85 60.0 52.0 78.0



#27
1,2-Dichloroethane-d4
Concen: 32.318 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087442.D
Acq: 30 Jul 2025 14:06

Tgt Ion: 65 Resp: 116776
Ion Ratio Lower Upper
65 100
67 52.6 42.3 63.5





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 114

Delta R.T. -0.000 min

Lab File: VN087442.D

Acq: 30 Jul 2025 14:06

Instrument :

MSVOA_N

ClientSampleId :

002 35th Ave(june)

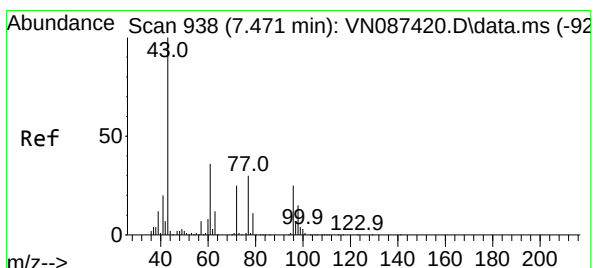
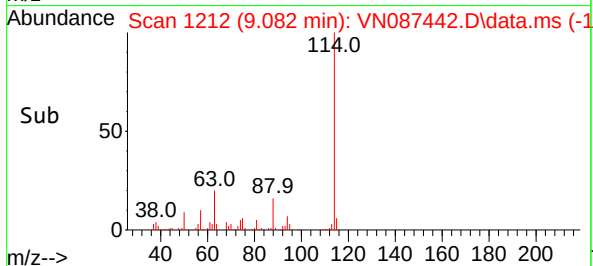
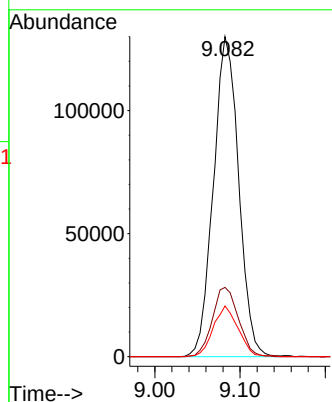
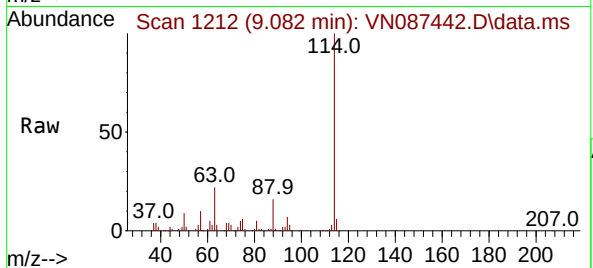
Tgt Ion:114 Resp: 267749

Ion Ratio Lower Upper

114 100

63 22.3 17.8 26.6

88 15.6 13.0 19.4



#30

2-Butanone

Concen: 10.153 ug/l

RT: 7.477 min Scan# 939

Delta R.T. 0.006 min

Lab File: VN087442.D

Acq: 30 Jul 2025 14:06

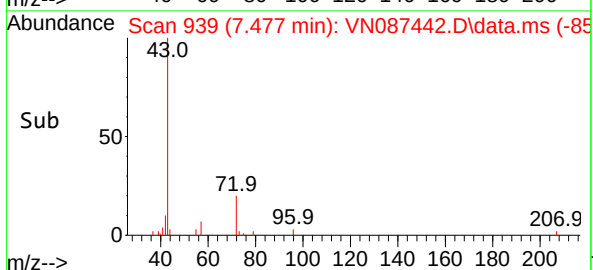
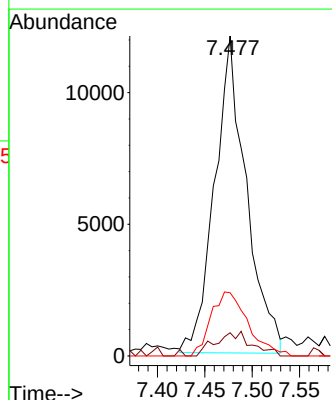
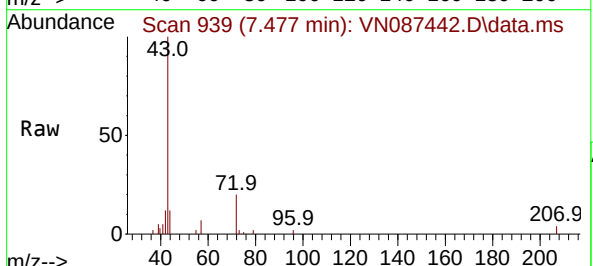
Tgt Ion: 43 Resp: 27959

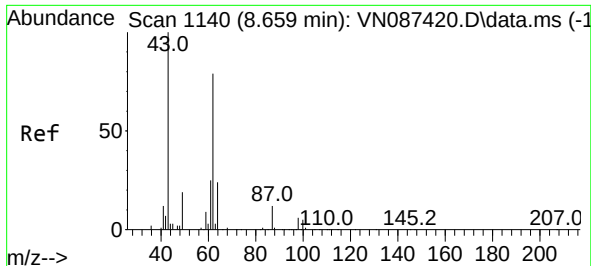
Ion Ratio Lower Upper

43 100

57 1.7 6.0 9.0#

72 23.6 20.3 30.5





#36

1,2-Dichloroethane

Concen: 2.454 ug/l

RT: 9.088 min Scan# 1140

Delta R.T. 0.429 min

Lab File: VN087442.D

Acq: 30 Jul 2025 14:06

Instrument :

MSVOA_N

ClientSampleId :

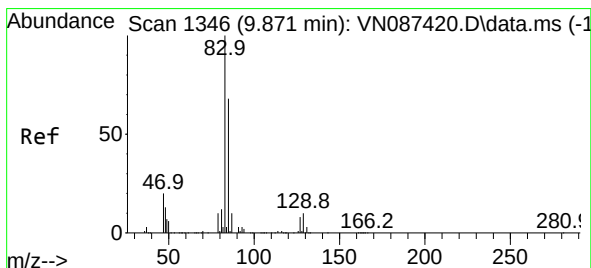
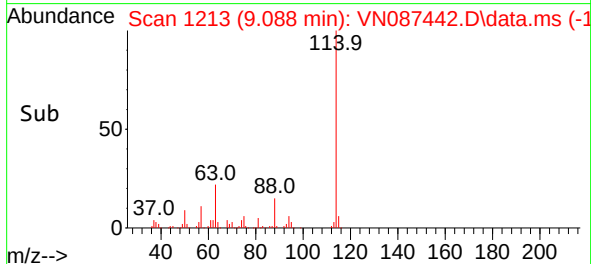
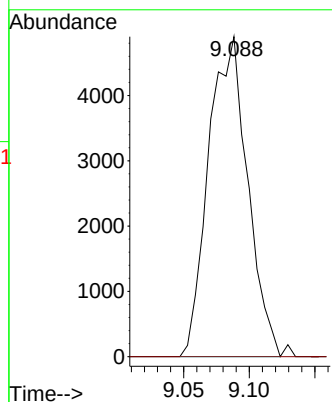
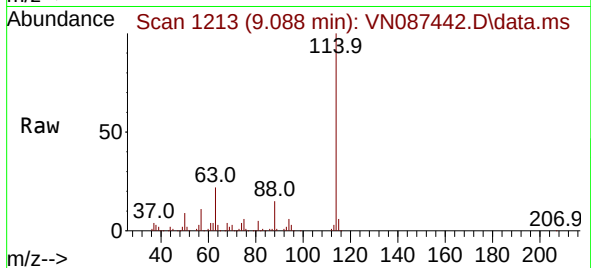
002 35th Ave(june)

Tgt Ion: 62 Resp: 10154

Ion Ratio Lower Upper

62 100

98 0.0 0.2 0.2#



#41

Bromodichloromethane

Concen: 3.257 ug/l

RT: 9.871 min Scan# 1346

Delta R.T. -0.000 min

Lab File: VN087442.D

Acq: 30 Jul 2025 14:06

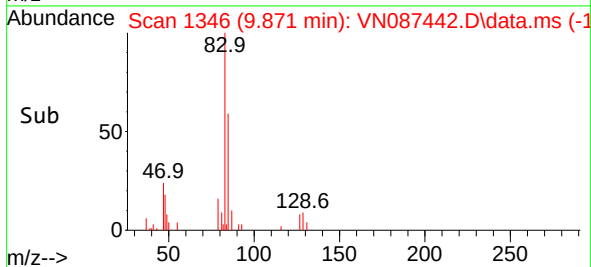
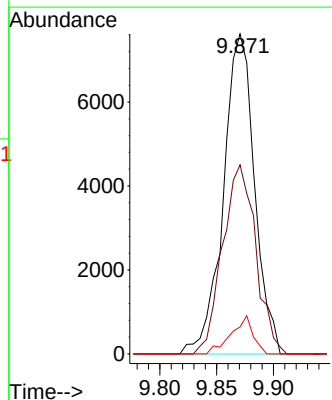
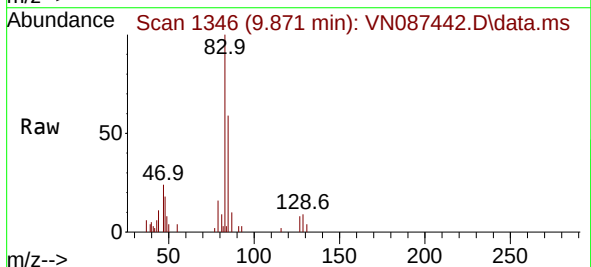
Tgt Ion: 83 Resp: 14552

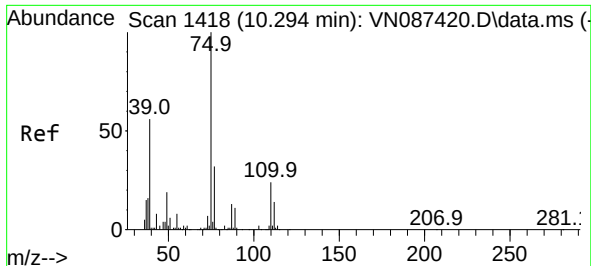
Ion Ratio Lower Upper

83 100

85 59.1 54.5 81.7

127 8.4 6.6 10.0

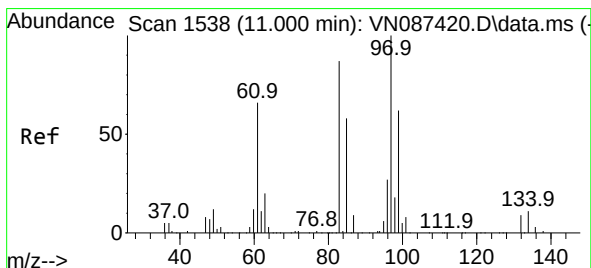
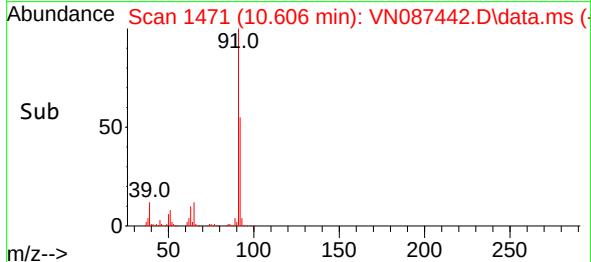
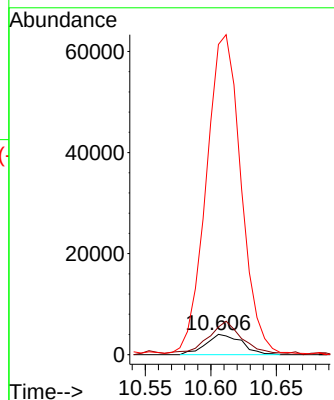
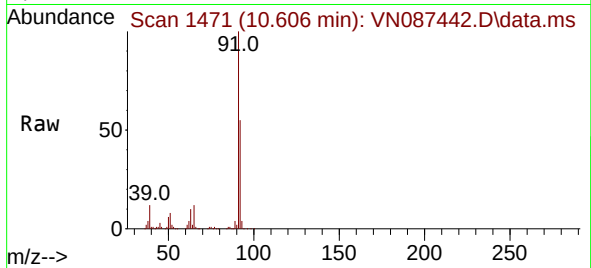




#49
cis-1,3-Dichloropropene
Concen: 1.452 ug/l
RT: 10.606 min Scan# 1418
Delta R.T. 0.312 min
Lab File: VN087442.D
Acq: 30 Jul 2025 14:06

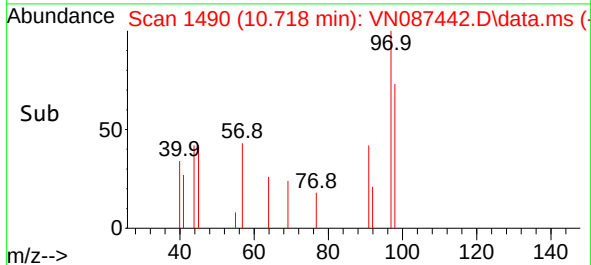
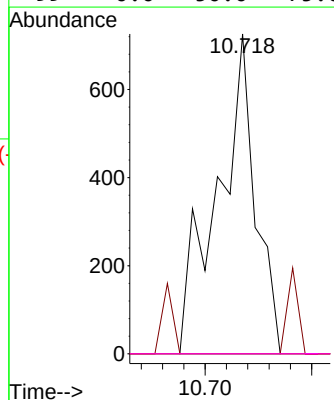
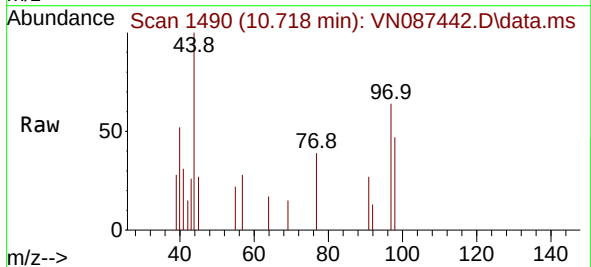
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave(june)

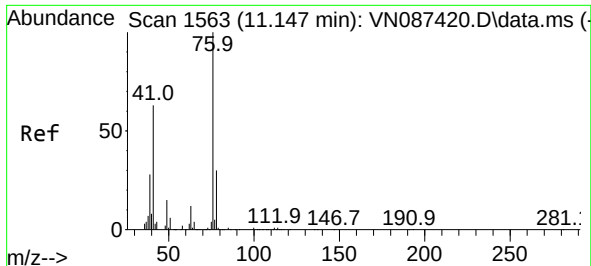
Tgt Ion: 75 Resp: 7673
Ion Ratio Lower Upper
75 100
77 127.6 26.1 39.1#
39 1520.6 45.0 67.4#



#50
1,1,2-Trichloroethane
Concen: 0.303 ug/l
RT: 10.718 min Scan# 1490
Delta R.T. -0.282 min
Lab File: VN087442.D
Acq: 30 Jul 2025 14:06

Tgt Ion: 97 Resp: 896
Ion Ratio Lower Upper
97 100
83 0.0 70.0 105.0#
85 0.0 46.2 69.2#
99 0.0 50.0 75.0#





#52

1,3-Dichloropropane

Concen: 0.339 ug/l

RT: 10.788 min Scan# 11

Delta R.T. -0.359 min

Lab File: VN087442.D

Acq: 30 Jul 2025 14:06

Instrument :

MSVOA_N

ClientSampleId :

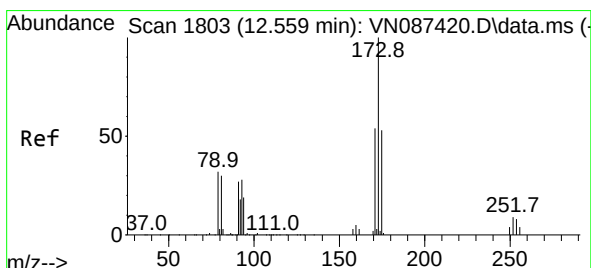
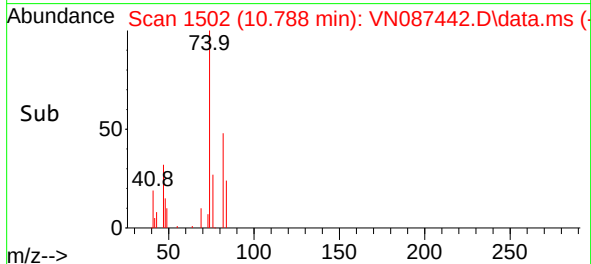
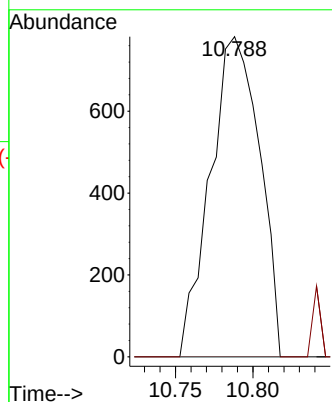
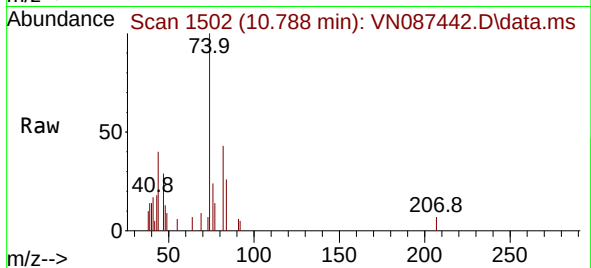
002 35th Ave(june)

Tgt Ion: 76 Resp: 1732

Ion Ratio Lower Upper

76 100

78 0.0 0.0 67.4



#56

Bromoform

Concen: 0.536 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.271 min

Lab File: VN087442.D

Acq: 30 Jul 2025 14:06

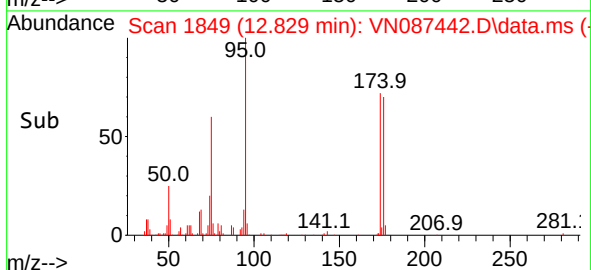
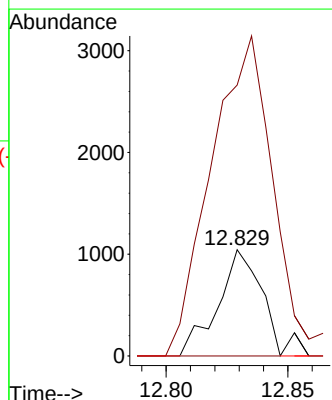
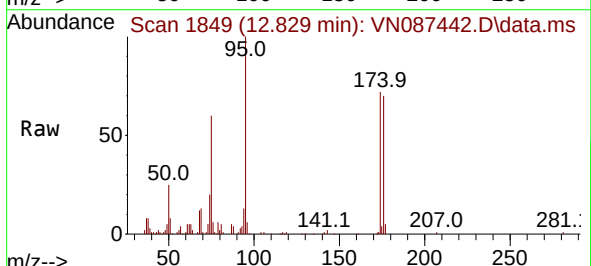
Tgt Ion: 173 Resp: 1276

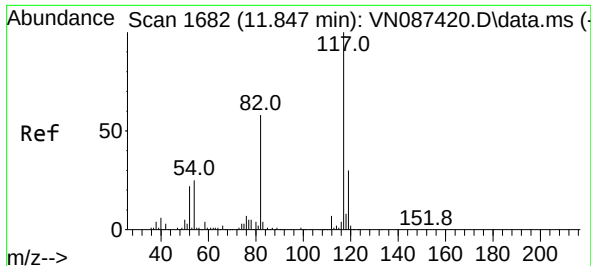
Ion Ratio Lower Upper

173 100

175 435.0 38.4 57.6#

254 0.0 6.4 9.6#

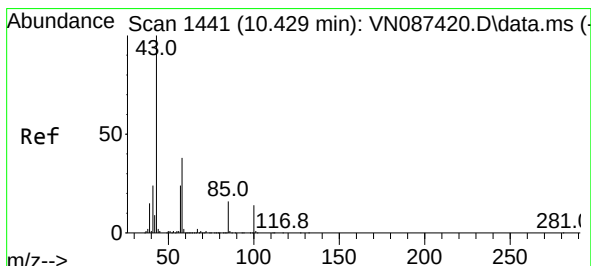
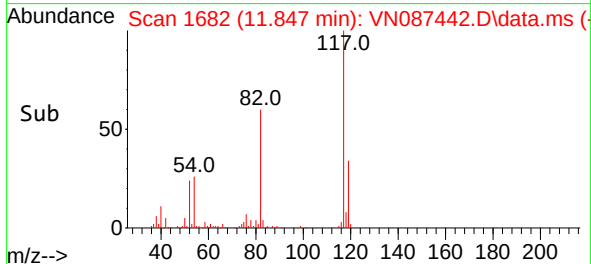
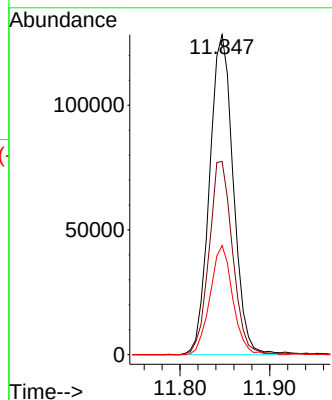
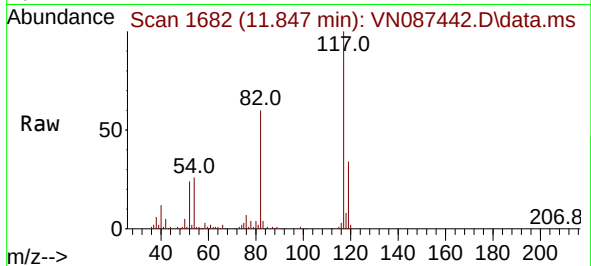




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087442.D
Acq: 30 Jul 2025 14:06

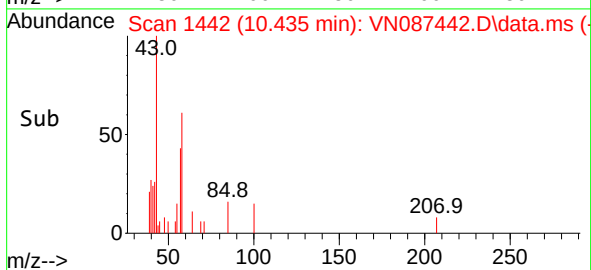
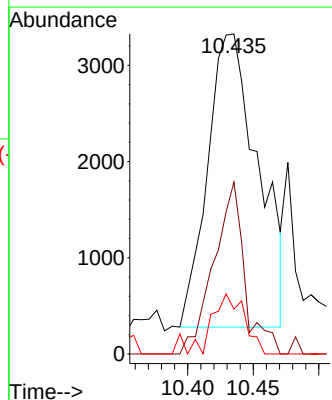
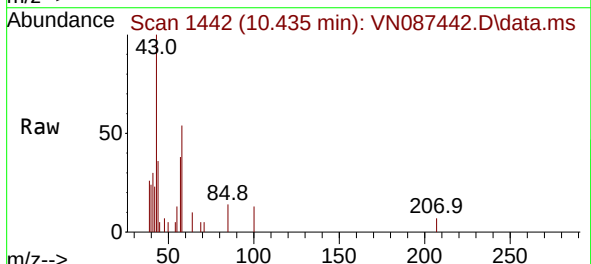
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave(june)

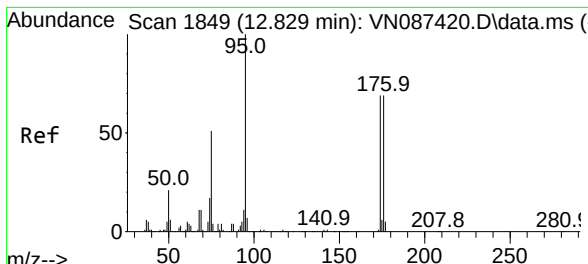
Tgt Ion:117 Resp: 235727
Ion Ratio Lower Upper
117 100
82 60.0 46.2 69.4
119 32.6 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 1.538 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. 0.006 min
Lab File: VN087442.D
Acq: 30 Jul 2025 14:06

Tgt Ion: 43 Resp: 8166
Ion Ratio Lower Upper
43 100
58 32.4 29.9 44.9
85 12.4 12.8 19.2#



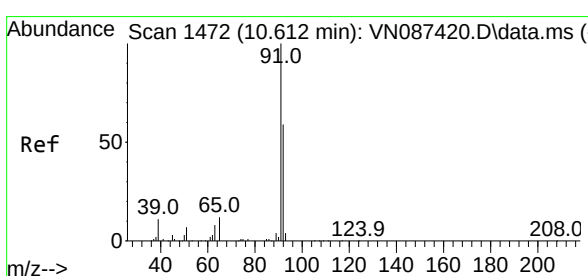
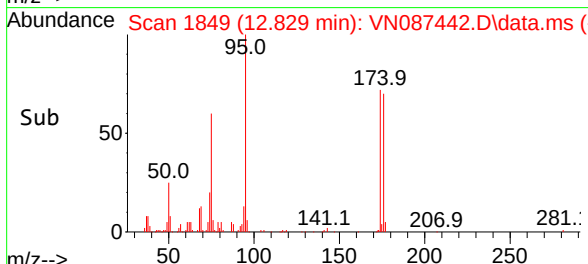
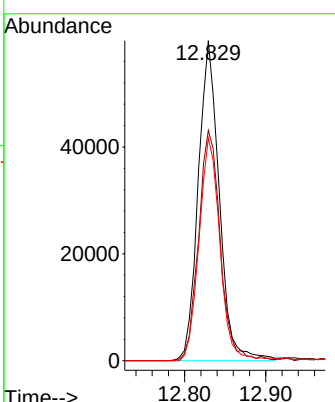
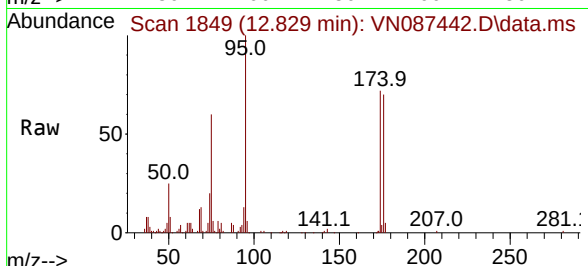


#60
 4-Bromofluorobenzene
 Concen: 27.815 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.000 min
 Lab File: VN087442.D
 Acq: 30 Jul 2025 14:06

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

Tgt Ion: 95 Resp: 107671

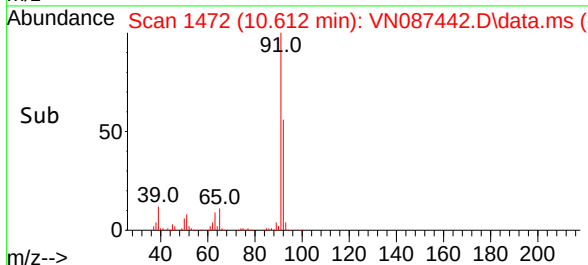
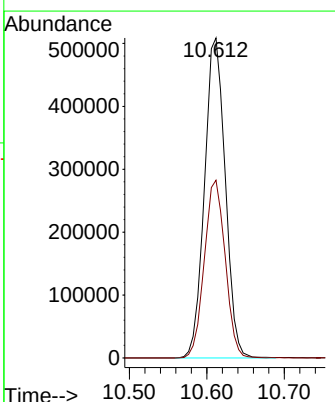
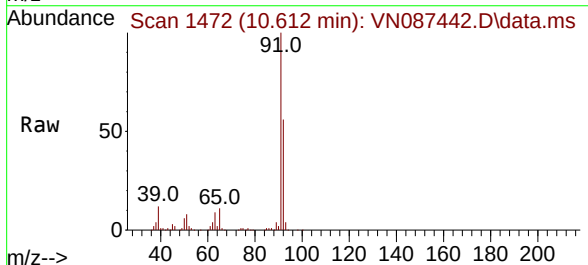
Ion	Ratio	Lower	Upper
95	100		
174	73.9	57.8	86.8
176	68.8	54.9	82.3

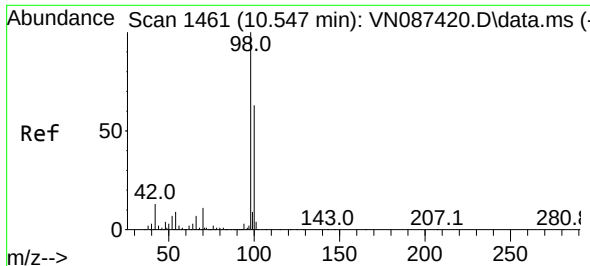


#62
 Toluene
 Concen: 71.184 ug/l
 RT: 10.612 min Scan# 1472
 Delta R.T. -0.000 min
 Lab File: VN087442.D
 Acq: 30 Jul 2025 14:06

Tgt Ion: 91 Resp: 946991

Ion	Ratio	Lower	Upper
91	100		
92	55.8	45.6	68.4

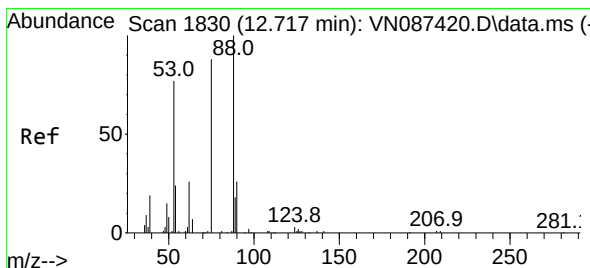
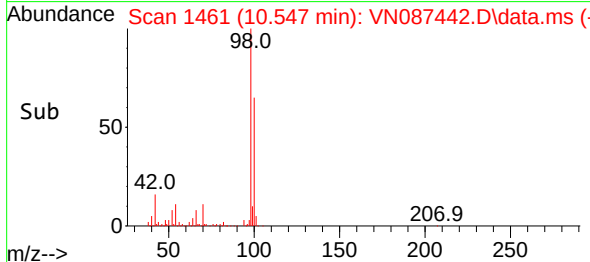
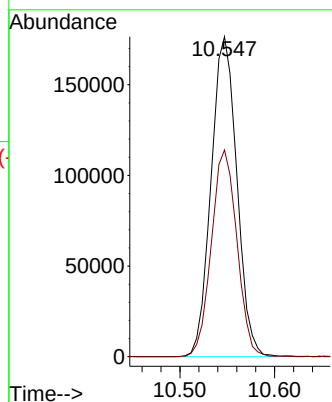
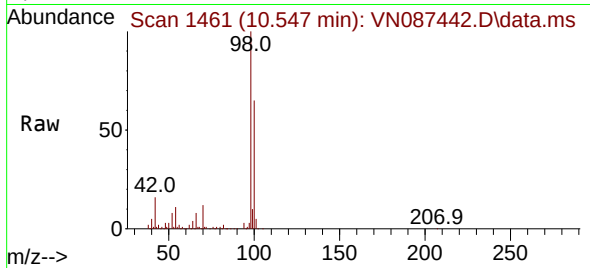




#63
Toluene-d8
Concen: 30.833 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087442.D
Acq: 30 Jul 2025 14:06

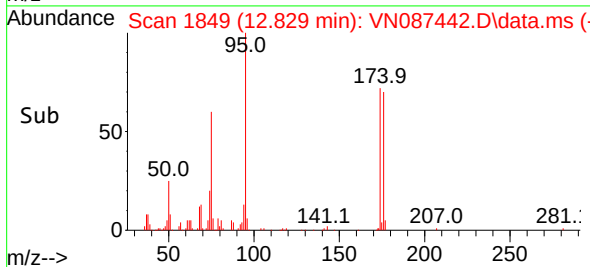
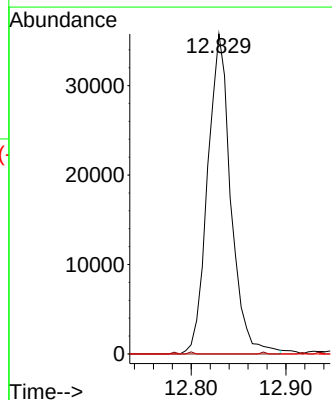
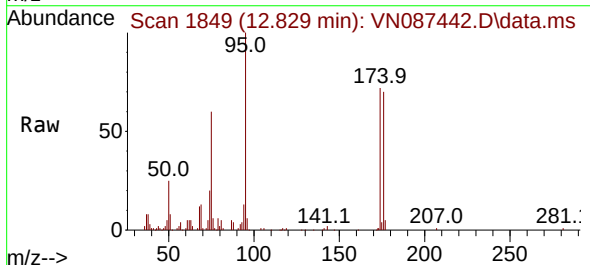
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave(june)

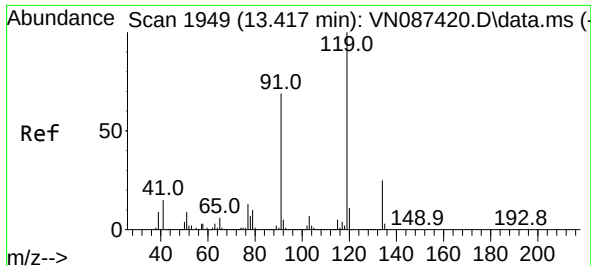
Tgt Ion: 98 Resp: 333787
Ion Ratio Lower Upper
98 100
100 64.0 50.7 76.1



#77
t-1,4-Dichloro-2-butene
Concen: 33.856 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087442.D
Acq: 30 Jul 2025 14:06

Tgt Ion: 75 Resp: 60987
Ion Ratio Lower Upper
75 100
53 0.0 44.3 132.8#
89 0.0 22.4 67.3#

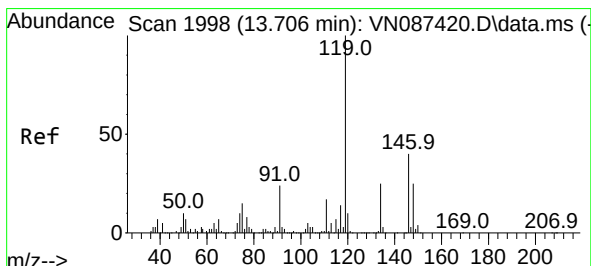
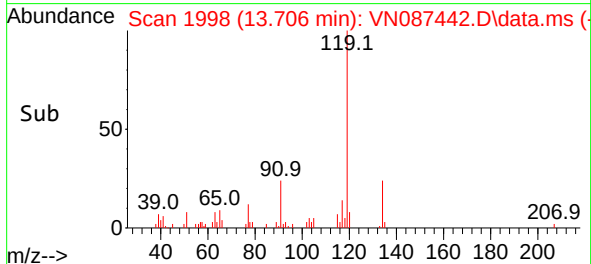
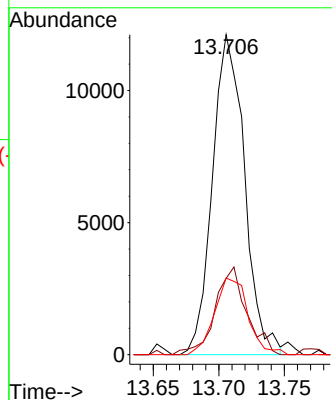
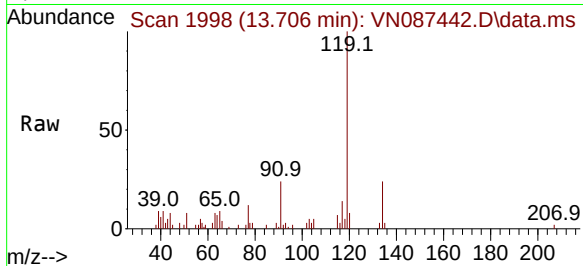




#79
tert-butylbenzene
Concen: 2.106 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. 0.288 min
Lab File: VN087442.D
Acq: 30 Jul 2025 14:06

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

Tgt Ion:119 Resp: 20629
Ion Ratio Lower Upper
119 100
91 27.0 0.0 135.4
134 24.7 0.0 49.2



#82
p-Isopropyltoluene
Concen: 1.747 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. -0.000 min
Lab File: VN087442.D
Acq: 30 Jul 2025 14:06

Tgt Ion:119 Resp: 20629
Ion Ratio Lower Upper
119 100
134 24.7 0.0 50.8
91 27.0 0.0 47.6

