

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090925\
 Data File : VN087771.D
 Acq On : 09 Sep 2025 12:43
 Operator : JC\MD
 Sample : Q3041-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Sep 10 02:31:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 05 03:29:53 2025
 Response via : Initial Calibration

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

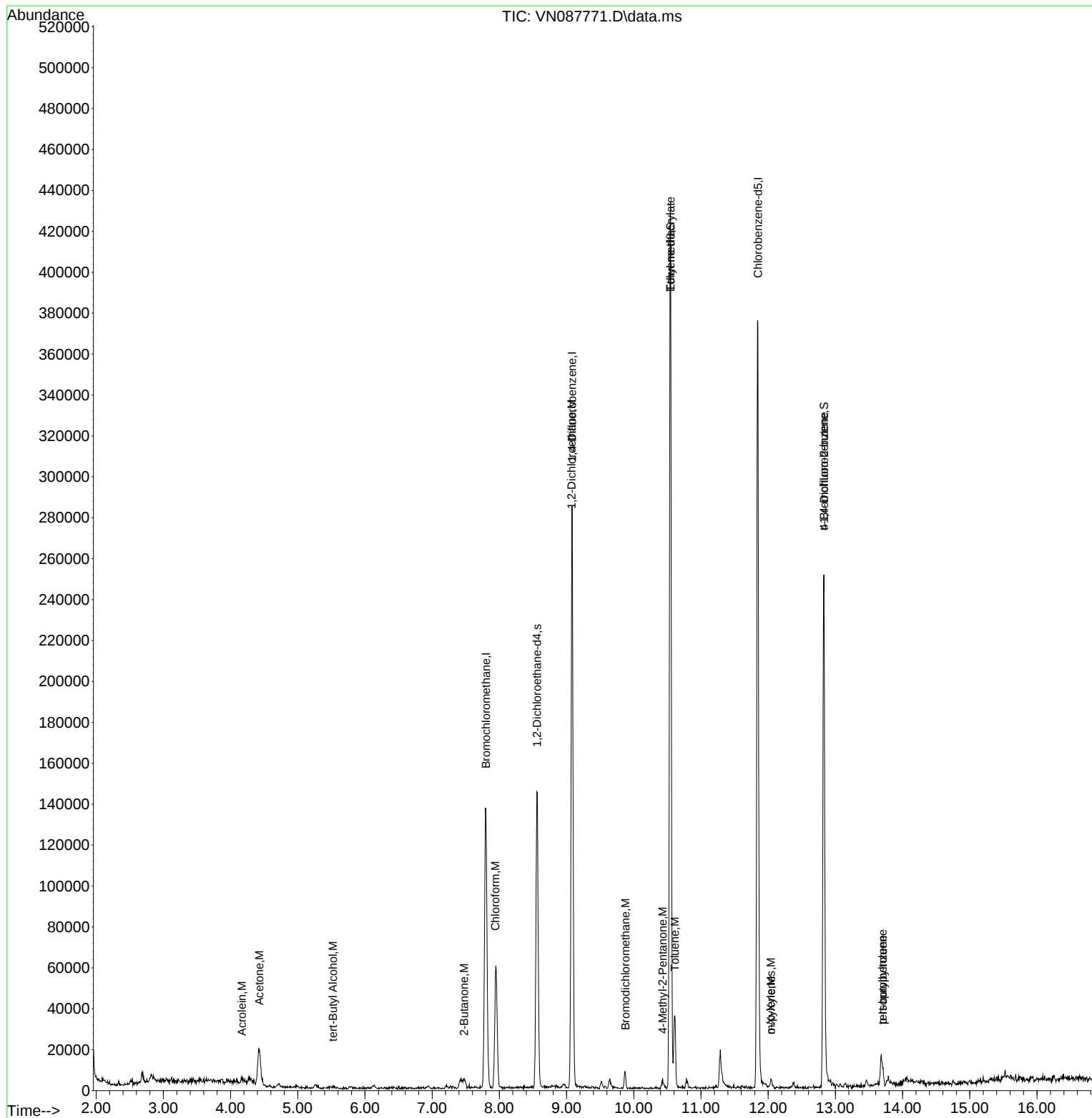
Internal Standards						
1) Bromochloromethane	7.800	128	46039	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	227372	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	210427	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	117728	29.935	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.767%
60) 4-Bromofluorobenzene	12.829	95	89749	26.525	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.433%
63) Toluene-d8	10.547	98	287598	29.389	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.967%
Target Compounds						
					Qvalue	
13) Acrolein	4.171	56	466	0.611	ug/l	99
15) Acetone	4.430	58	7801	13.560	ug/l	82
23) tert-Butyl Alcohol	5.524	59	562	0.862	ug/l #	100
25) Chloroform	7.941	83	57689	9.641	ug/l	91
30) 2-Butanone	7.477	43	6010	2.361	ug/l #	85
36) 1,2-Dichloroethane	9.077	62	7807	1.731	ug/l #	75
41) Bromodichloromethane	9.876	83	5006	1.076	ug/l #	89
51) Ethyl methacrylate	10.547	69	1218	0.266	ug/l #	45
58) 4-Methyl-2-Pentanone	10.429	43	3390	0.681	ug/l #	69
62) Toluene	10.612	91	25860	2.032	ug/l	98
67) m/p-Xylenes	12.041	106	1152	0.226	ug/l	88
68) o-Xylene	12.041	106	1092	0.221	ug/l	97
77) t-1,4-Dichloro-2-butene	12.829	75	51044	34.189	ug/l #	15
79) tert-butylbenzene	13.706	119	4882	0.551	ug/l	47
82) p-Isopropyltoluene	13.706	119	4882	0.455	ug/l	85

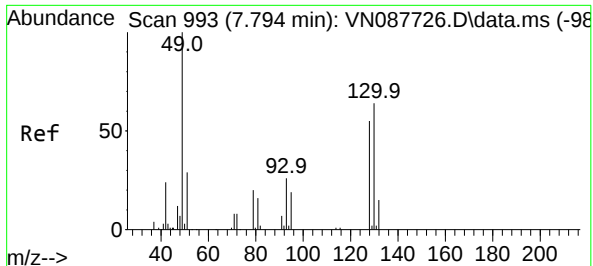
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
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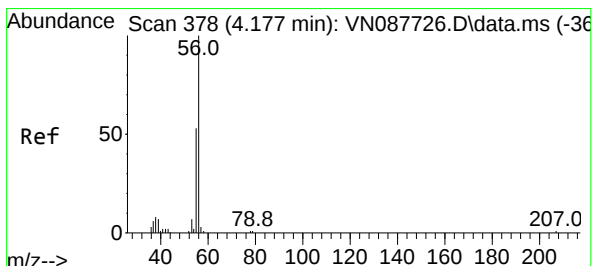
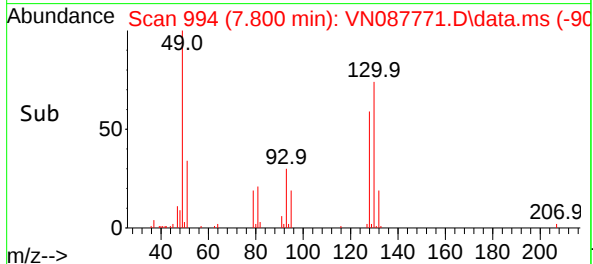
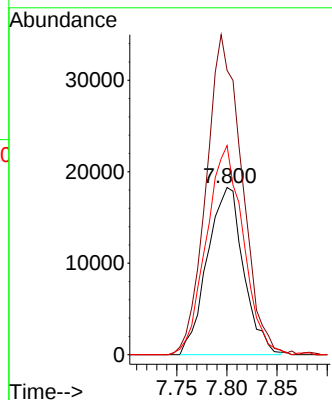
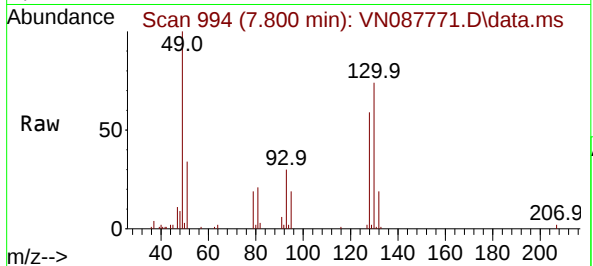




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 993
Delta R.T. 0.006 min
Lab File: VN087771.D
Acq: 09 Sep 2025 12:43

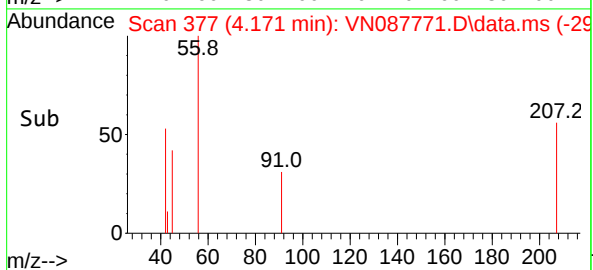
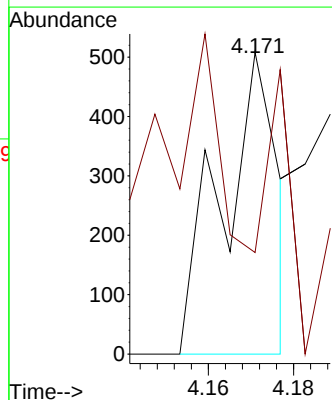
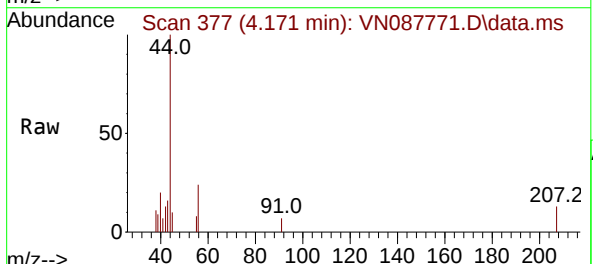
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave(sep)

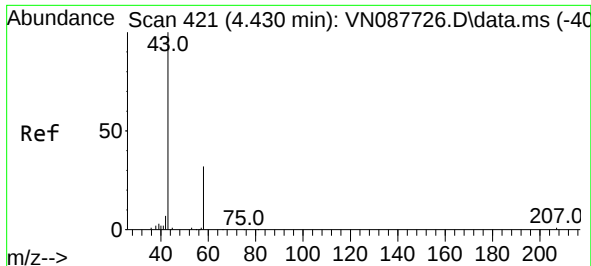
Tgt Ion:128 Resp: 46039
Ion Ratio Lower Upper
128 100
49 188.2 0.0 464.3
130 127.0 0.0 300.5



#13
Acrolein
Concen: 0.611 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN087771.D
Acq: 09 Sep 2025 12:43

Tgt Ion: 56 Resp: 466
Ion Ratio Lower Upper
56 100
55 36.3 28.6 42.8

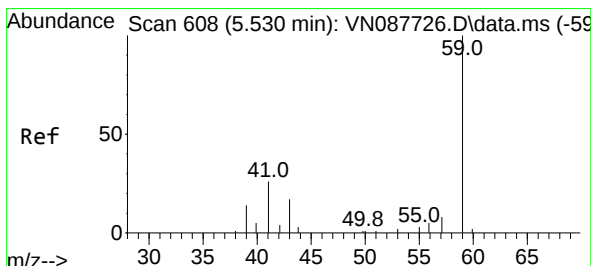
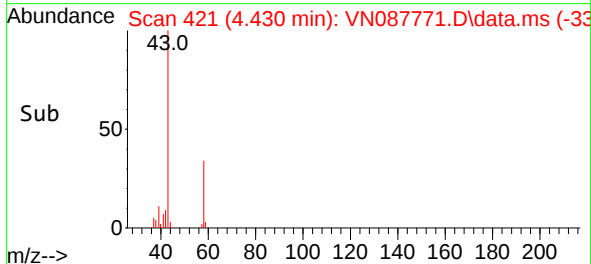
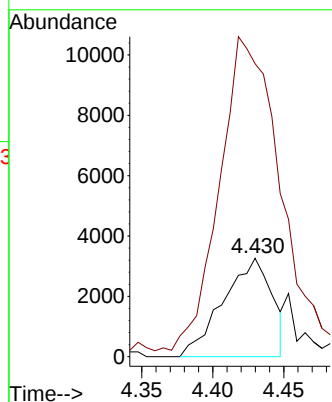
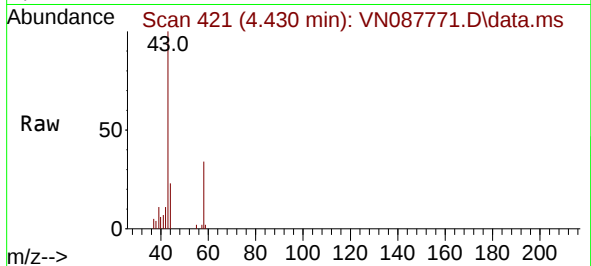




#15
Acetone
Concen: 13.560 ug/l
RT: 4.430 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN087771.D
Acq: 09 Sep 2025 12:43

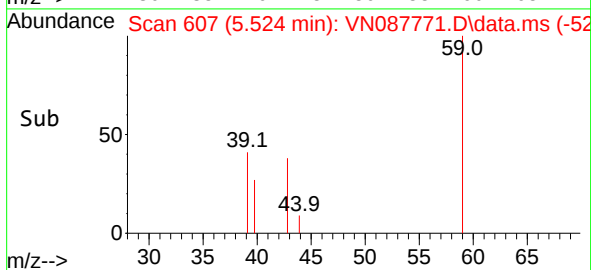
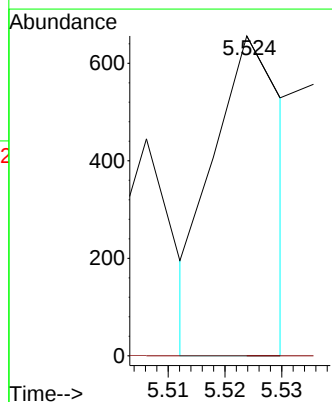
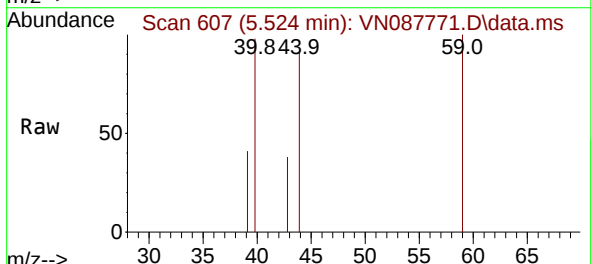
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave(sep)

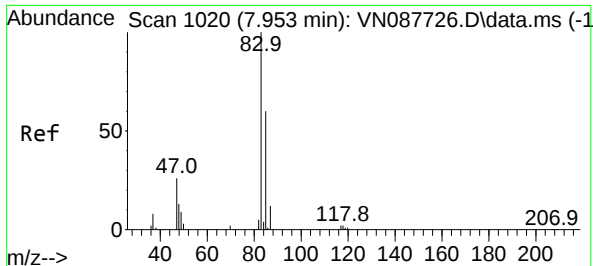
Tgt Ion: 58 Resp: 7801
Ion Ratio Lower Upper
58 100
43 276.8 250.6 376.0



#23
tert-Butyl Alcohol
Concen: 0.862 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN087771.D
Acq: 09 Sep 2025 12:43

Tgt Ion: 59 Resp: 562
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0





#25

Chloroform

Concen: 9.641 ug/l

RT: 7.941 min Scan# 1018

Delta R.T. -0.012 min

Lab File: VN087771.D

Acq: 09 Sep 2025 12:43

Instrument :

MSVOA_N

ClientSampleId :

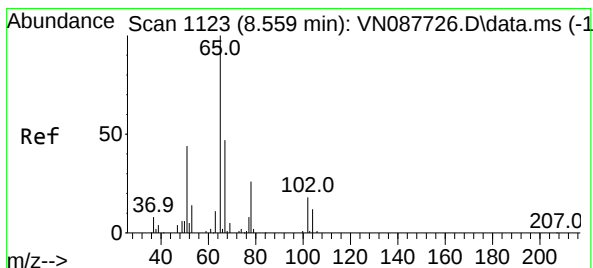
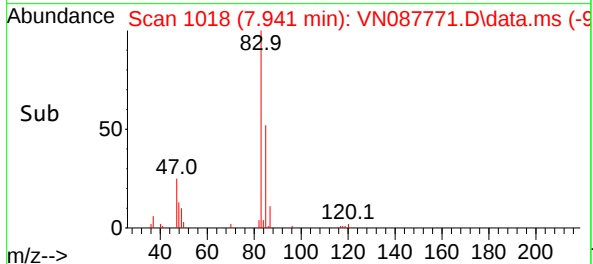
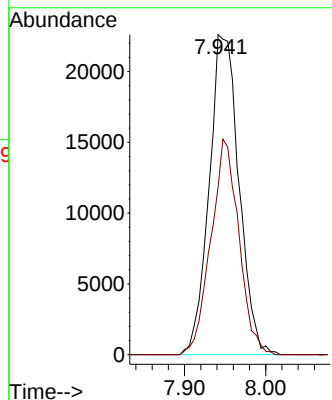
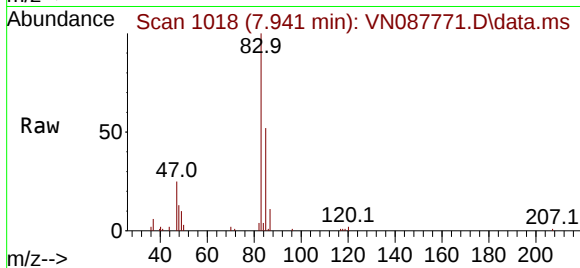
002 35th Ave(sep)

Tgt Ion: 83 Resp: 57689

Ion Ratio Lower Upper

83 100

85 52.5 47.7 71.5



#27

1,2-Dichloroethane-d4

Concen: 29.935 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN087771.D

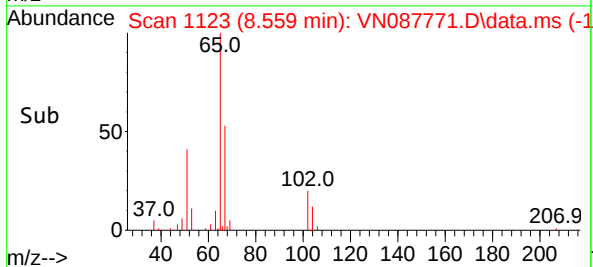
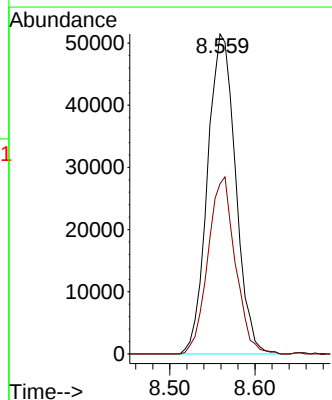
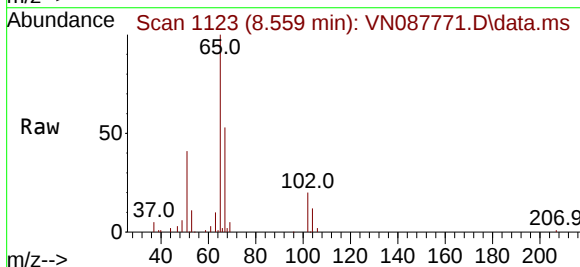
Acq: 09 Sep 2025 12:43

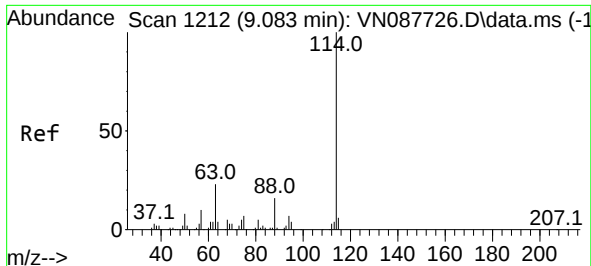
Tgt Ion: 65 Resp: 117728

Ion Ratio Lower Upper

65 100

67 54.0 39.6 59.4





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087771.D

Acq: 09 Sep 2025 12:43

Instrument :

MSVOA_N

ClientSampleId :

002 35th Ave(sep)

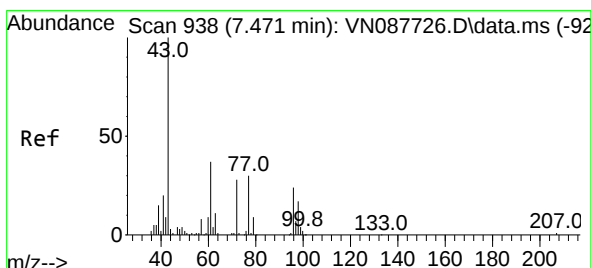
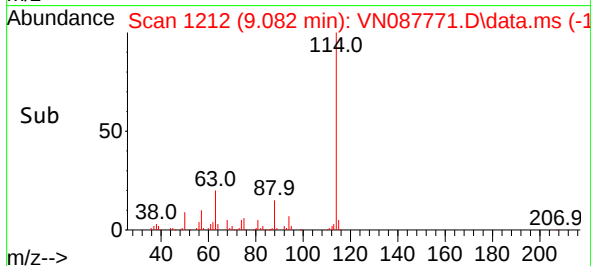
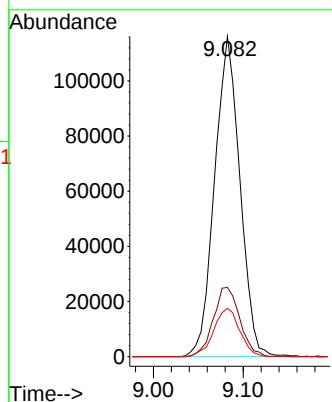
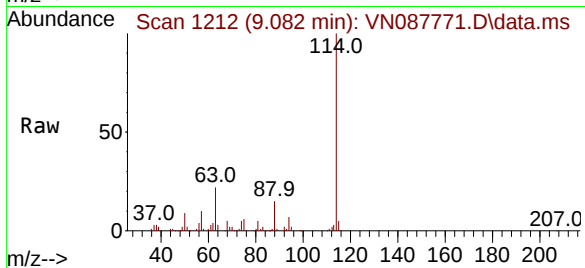
Tgt Ion:114 Resp: 227372

Ion Ratio Lower Upper

114 100

63 22.7 18.3 27.5

88 15.6 12.4 18.6



#30

2-Butanone

Concen: 2.361 ug/l

RT: 7.477 min Scan# 939

Delta R.T. 0.006 min

Lab File: VN087771.D

Acq: 09 Sep 2025 12:43

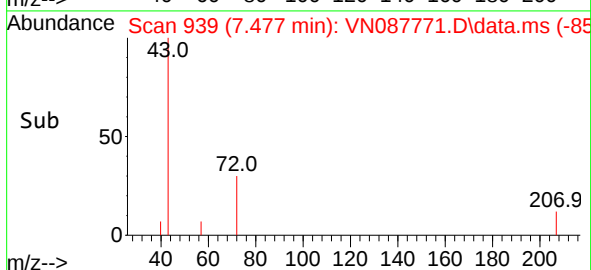
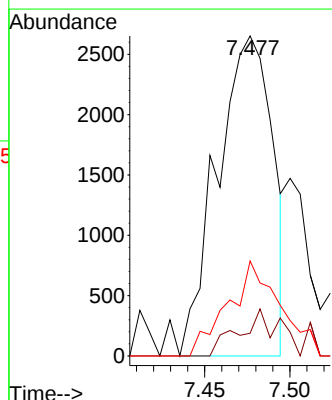
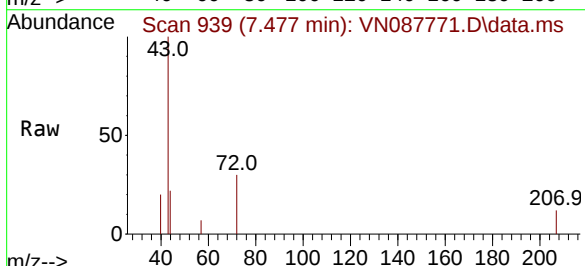
Tgt Ion: 43 Resp: 6010

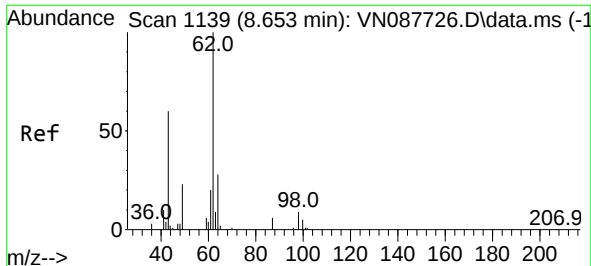
Ion Ratio Lower Upper

43 100

57 4.3 6.3 9.5#

72 18.2 21.4 32.2#





#36

1,2-Dichloroethane

Concen: 1.731 ug/l

RT: 9.077 min Scan# 1139

Delta R.T. 0.423 min

Lab File: VN087771.D

Acq: 09 Sep 2025 12:43

Instrument :

MSVOA_N

ClientSampleId :

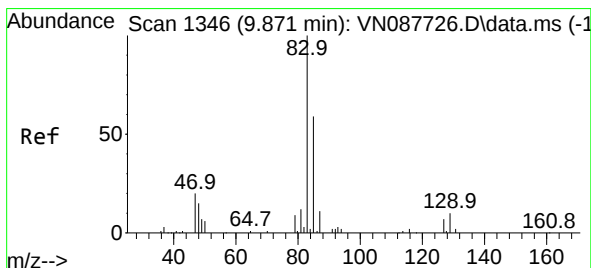
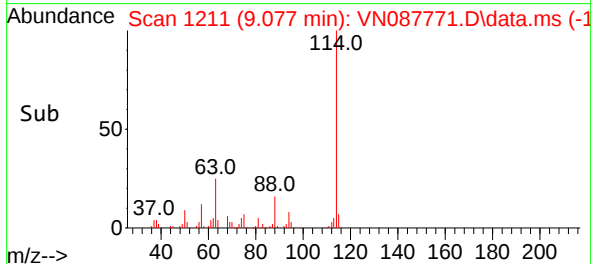
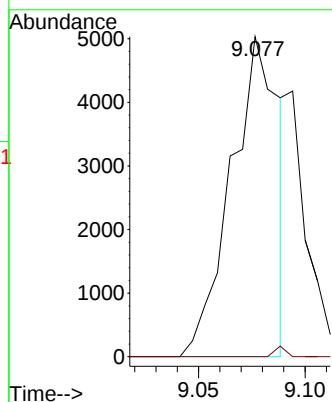
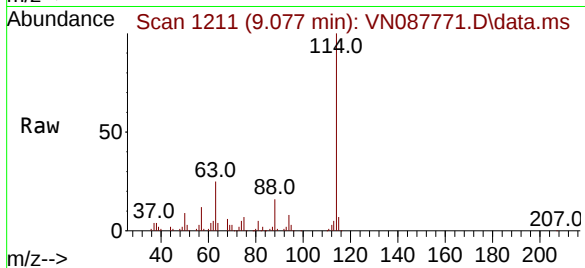
002 35th Ave(sep)

Tgt Ion: 62 Resp: 7807

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



#41

Bromodichloromethane

Concen: 1.076 ug/l

RT: 9.876 min Scan# 1347

Delta R.T. 0.006 min

Lab File: VN087771.D

Acq: 09 Sep 2025 12:43

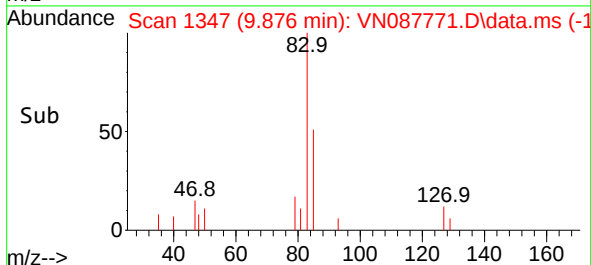
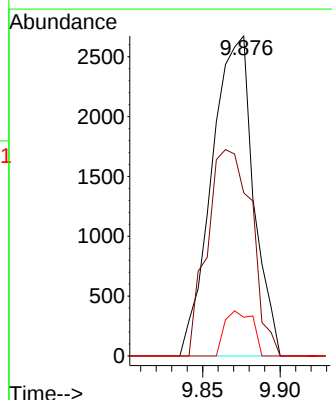
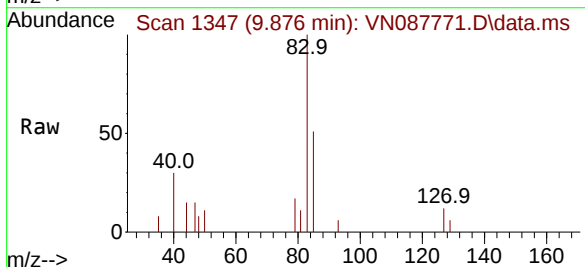
Tgt Ion: 83 Resp: 5006

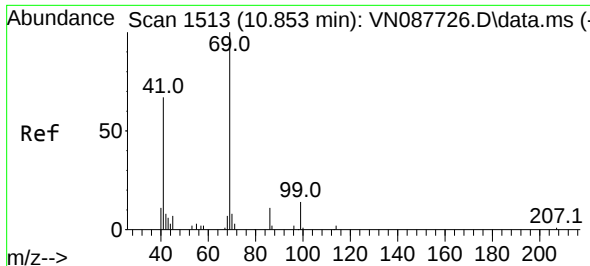
Ion Ratio Lower Upper

83 100

85 51.0 47.3 70.9

127 12.1 5.2 7.8#

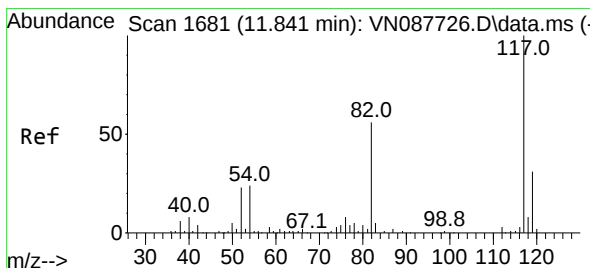
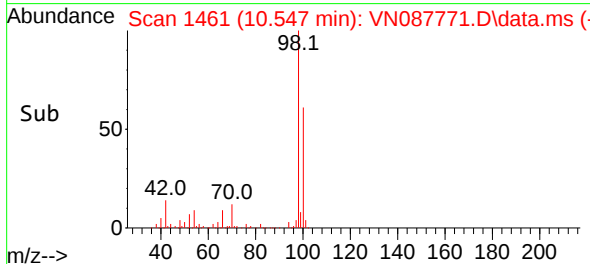
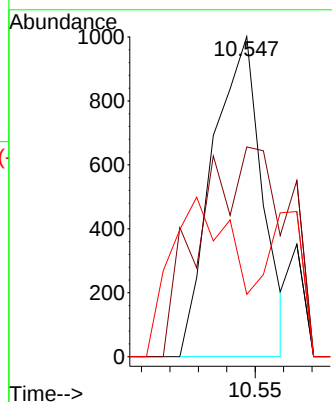
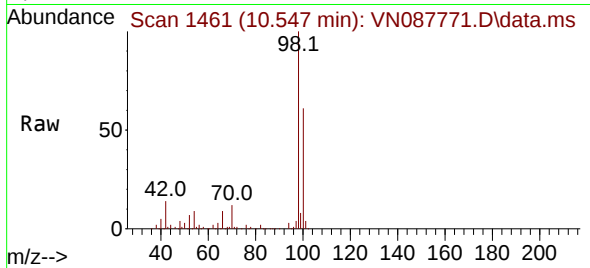




#51
Ethyl methacrylate
Concen: 0.266 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.306 min
Lab File: VN087771.D
Acq: 09 Sep 2025 12:43

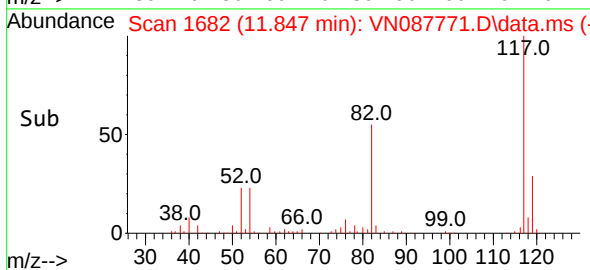
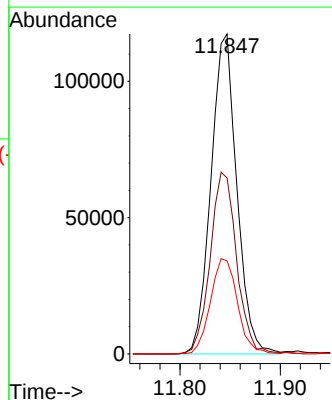
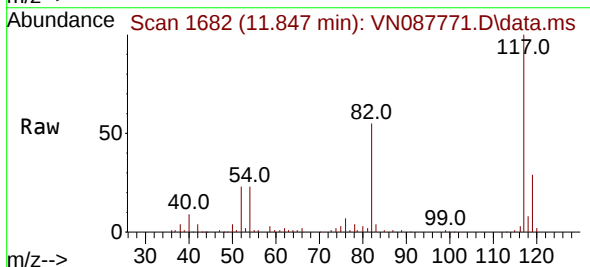
Instrument :
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ClientSampleId :
002 35th Ave(sep)

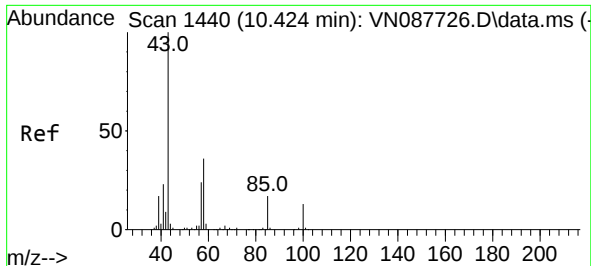
Tgt Ion: 69 Resp: 1218
Ion Ratio Lower Upper
69 100
41 27.7 33.7 101.0#
39 0.0 20.3 60.9#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087771.D
Acq: 09 Sep 2025 12:43

Tgt Ion: 117 Resp: 210427
Ion Ratio Lower Upper
117 100
82 57.4 45.9 68.9
119 31.1 25.3 37.9

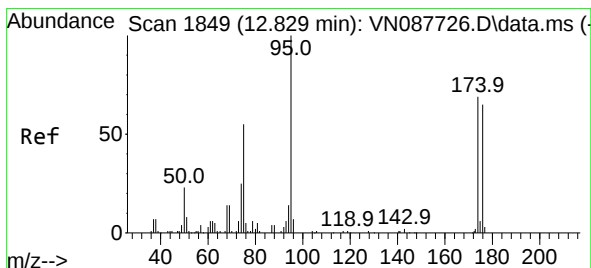
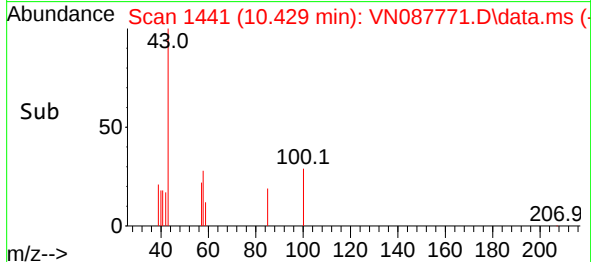
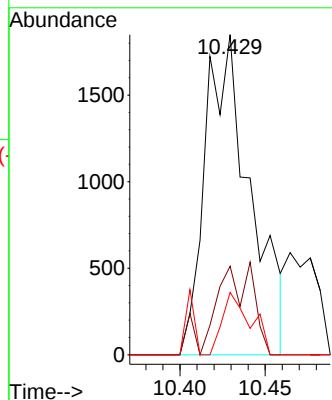
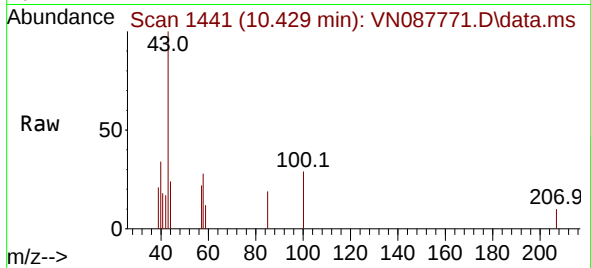




#58
4-Methyl-2-Pentanone
Concen: 0.681 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. 0.006 min
Lab File: VN087771.D
Acq: 09 Sep 2025 12:43

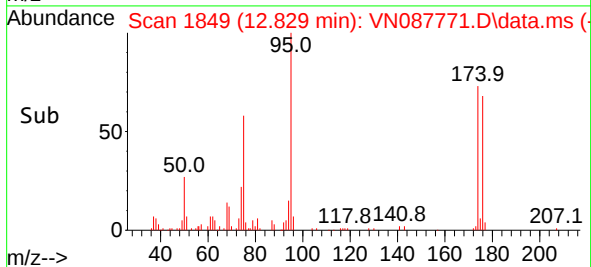
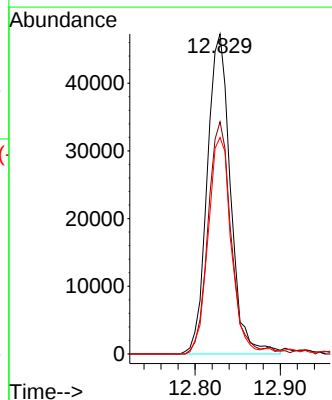
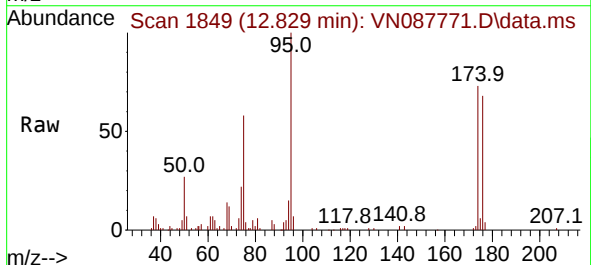
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave(sep)

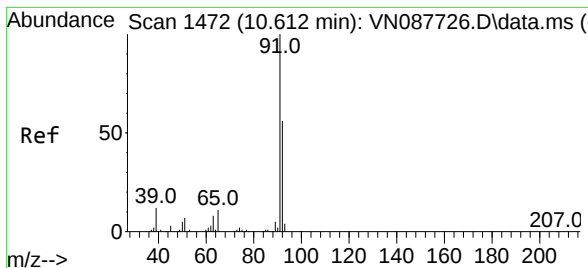
Tgt Ion: 43 Resp: 3390
Ion Ratio Lower Upper
43 100
58 14.1 29.6 44.4#
85 9.8 13.0 19.4#



#60
4-Bromofluorobenzene
Concen: 26.525 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087771.D
Acq: 09 Sep 2025 12:43

Tgt Ion: 95 Resp: 89749
Ion Ratio Lower Upper
95 100
174 71.1 55.4 83.0
176 66.6 51.5 77.3





#62

Toluene

Concen: 2.032 ug/l

RT: 10.612 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VN087771.D

Acq: 09 Sep 2025 12:43

Instrument :

MSVOA_N

ClientSampleId :

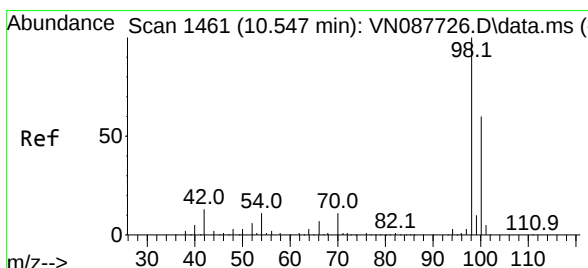
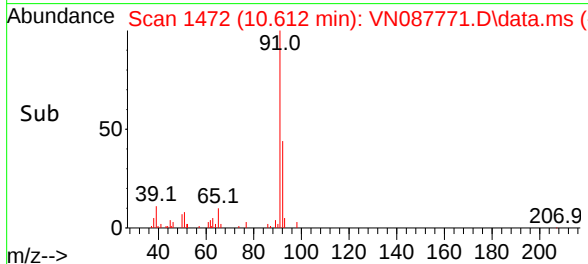
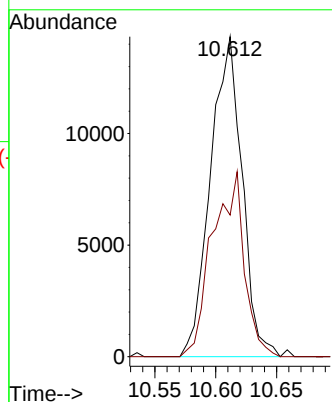
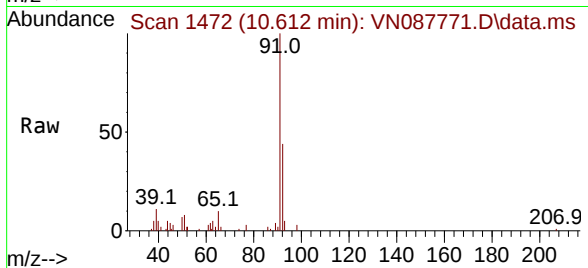
002 35th Ave(sep)

Tgt Ion: 91 Resp: 25860

Ion Ratio Lower Upper

91 100

92 58.2 45.4 68.0



#63

Toluene-d8

Concen: 29.389 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. -0.000 min

Lab File: VN087771.D

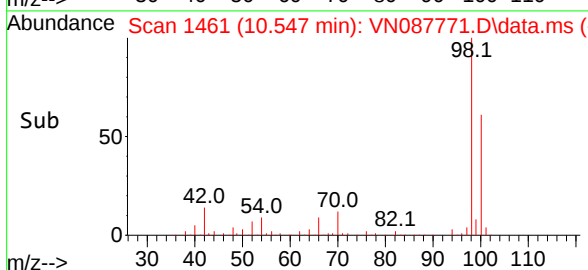
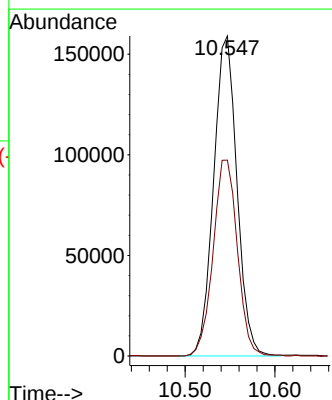
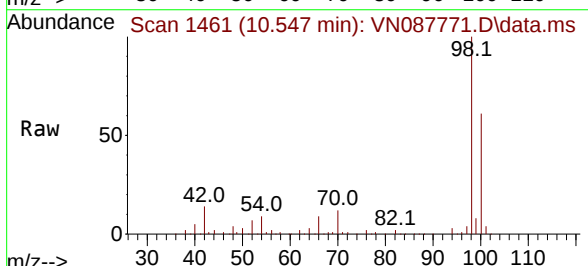
Acq: 09 Sep 2025 12:43

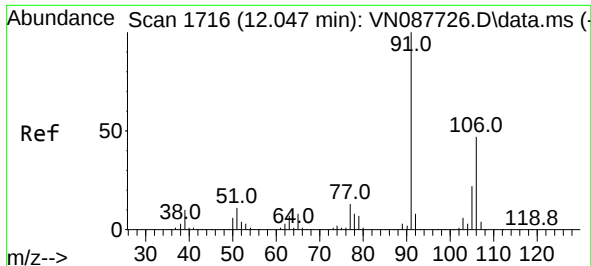
Tgt Ion: 98 Resp: 287598

Ion Ratio Lower Upper

98 100

100 63.7 50.6 76.0





#67

m/p-Xylenes

Concen: 0.226 ug/l

RT: 12.041 min Scan# 1715

Delta R.T. -0.006 min

Lab File: VN087771.D

Acq: 09 Sep 2025 12:43

Instrument :

MSVOA_N

ClientSampleId :

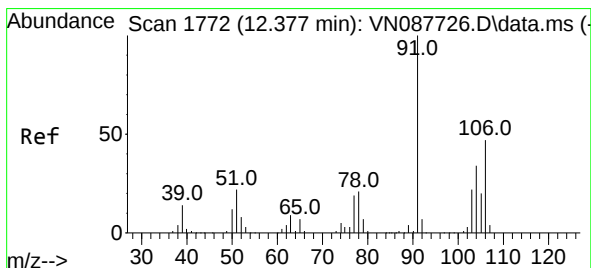
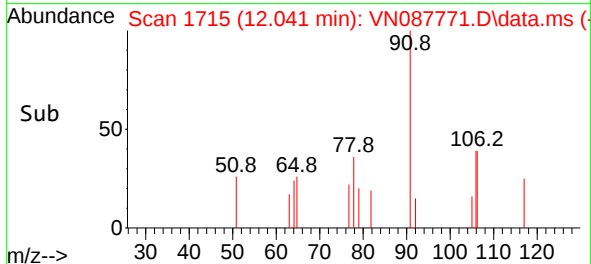
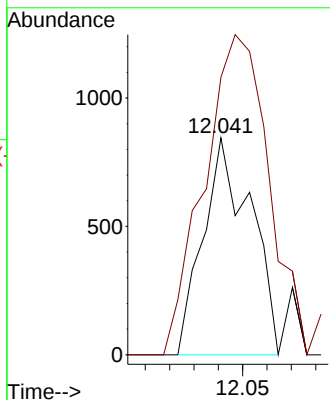
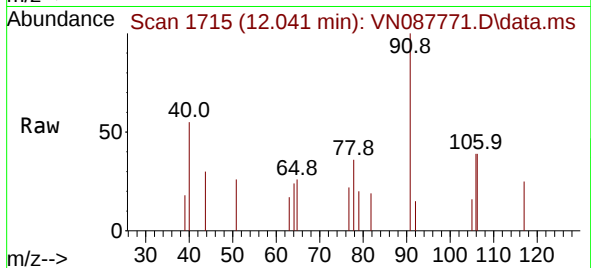
002 35th Ave(sep)

Tgt Ion:106 Resp: 1152

Ion Ratio Lower Upper

106 100

91 199.5 174.3 261.5



#68

o-Xylene

Concen: 0.221 ug/l

RT: 12.041 min Scan# 1715

Delta R.T. -0.335 min

Lab File: VN087771.D

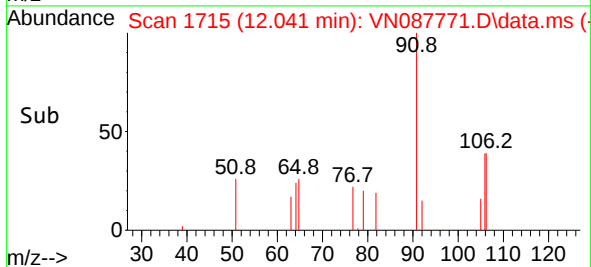
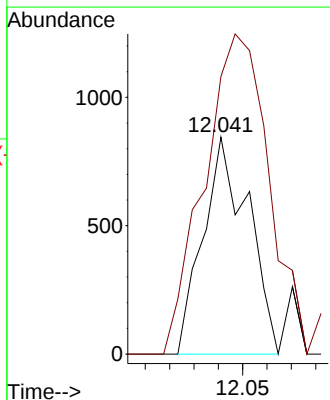
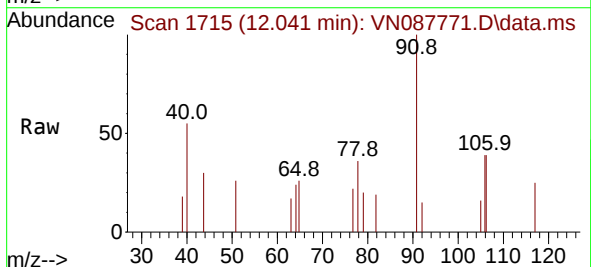
Acq: 09 Sep 2025 12:43

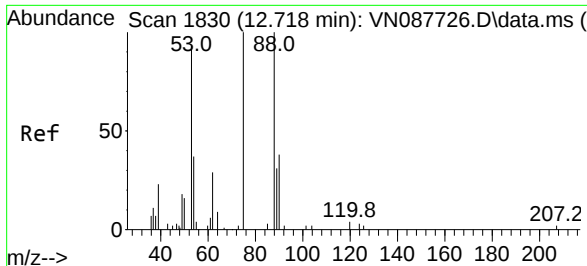
Tgt Ion:106 Resp: 1092

Ion Ratio Lower Upper

106 100

91 210.4 107.7 323.3

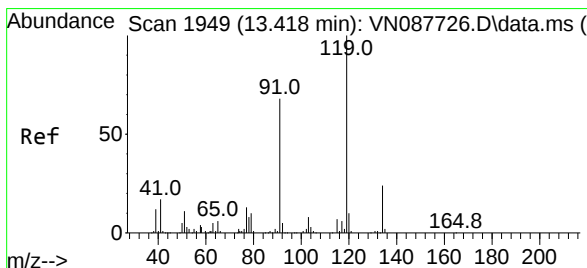
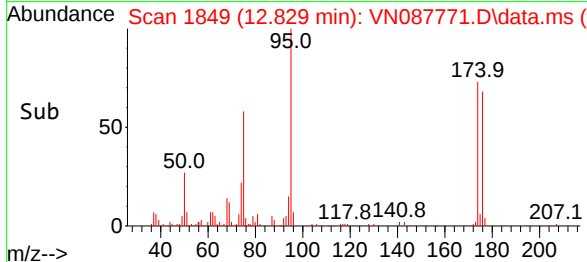
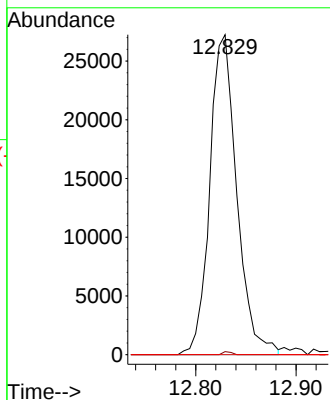
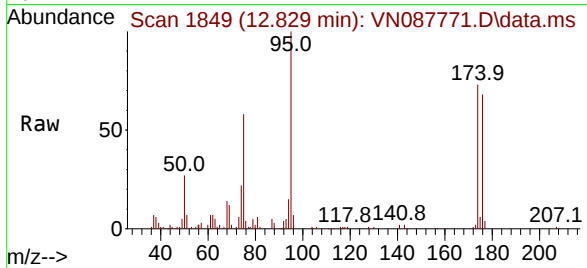




#77
t-1,4-Dichloro-2-butene
Concen: 34.189 ug/l
RT: 12.829 min Scan# 1198
Delta R.T. 0.112 min
Lab File: VN087771.D
Acq: 09 Sep 2025 12:43

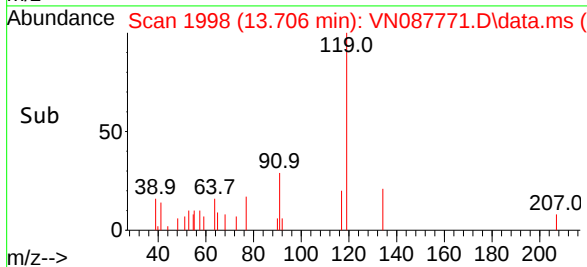
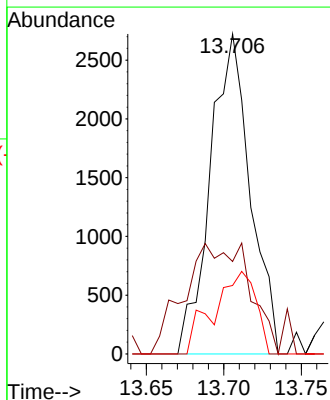
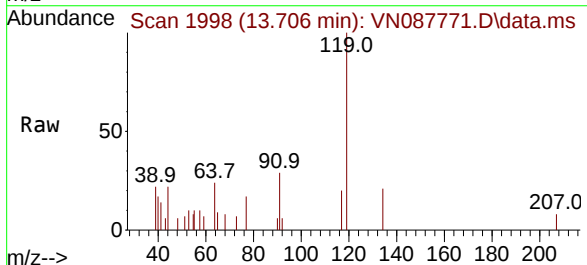
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave(sep)

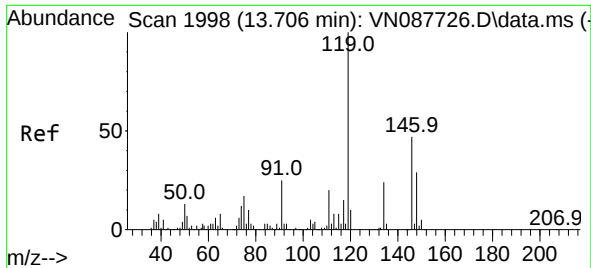
Tgt Ion: 75 Resp: 51044
Ion Ratio Lower Upper
75 100
53 0.9 45.3 135.9#
89 0.0 18.8 56.3#



#79
tert-butylbenzene
Concen: 0.551 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. 0.288 min
Lab File: VN087771.D
Acq: 09 Sep 2025 12:43

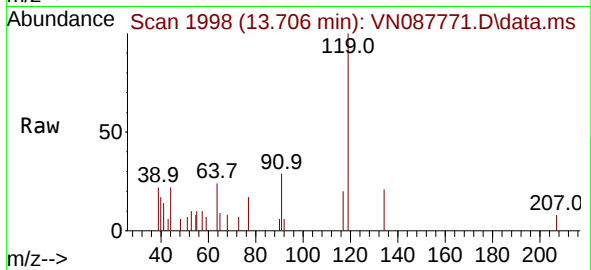
Tgt Ion: 119 Resp: 4882
Ion Ratio Lower Upper
119 100
91 15.0 0.0 142.6
134 20.3 0.0 47.2





#82
 p-Isopropyltoluene
 Concen: 0.455 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: VN087771.D
 Acq: 09 Sep 2025 12:43

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



Tgt Ion:	119	Resp:	4882
Ion	Ratio	Lower	Upper
119	100		
134	20.3	0.0	49.4
91	15.0	0.0	52.2

