

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090925\
 Data File : VN087769.D
 Acq On : 09 Sep 2025 12:02
 Operator : JC\MD
 Sample : Q3040-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Sep 10 02:30:17 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)

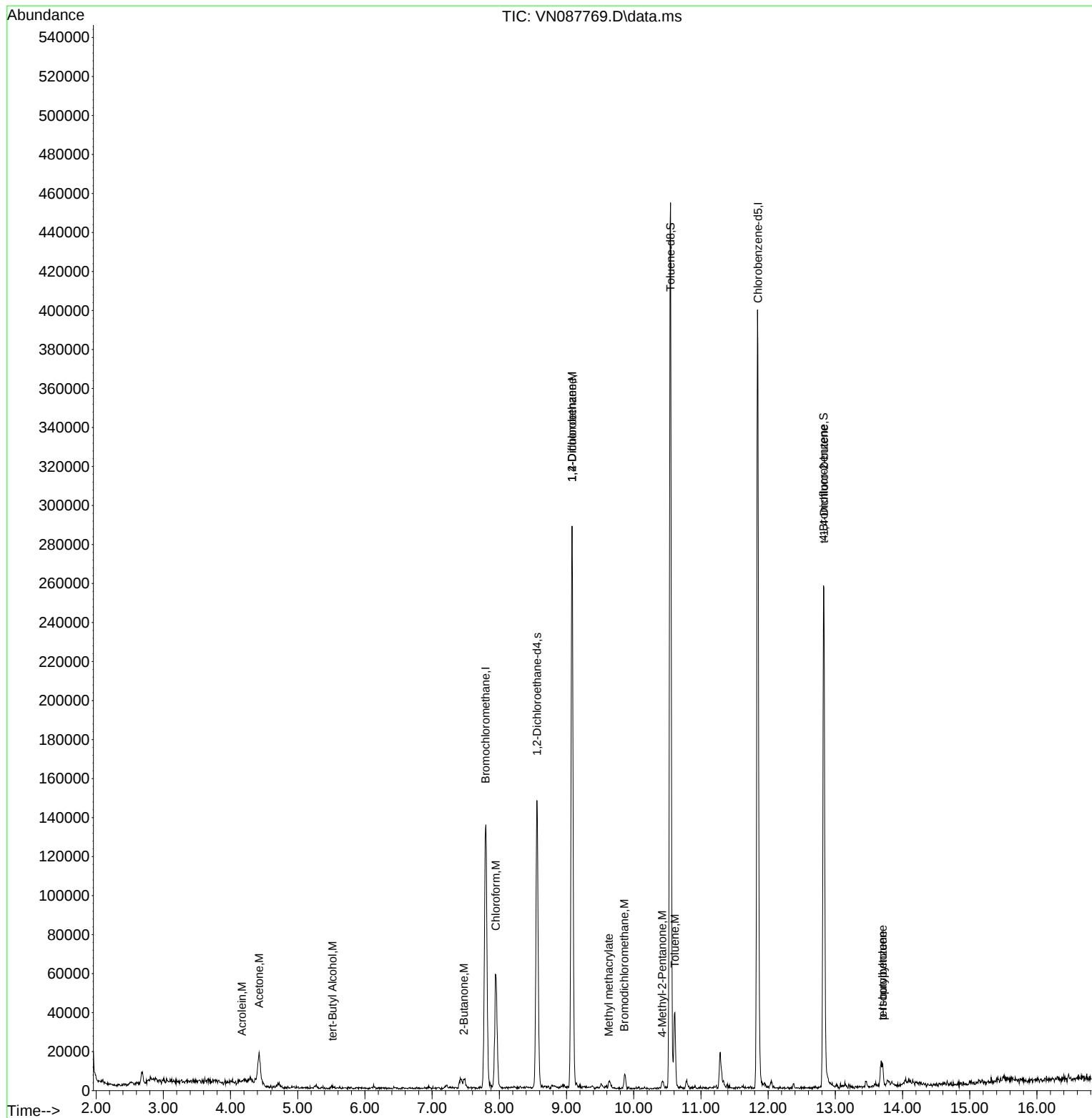
Internal Standards						
1) Bromochloromethane	7.794	128	46481	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	241360	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	221260	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	122137	30.761	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.533%			
60) 4-Bromofluorobenzene	12.824	95	89789	25.238	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 84.133%			
63) Toluene-d8	10.547	98	296581	28.823	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 96.067%			
Target Compounds						
					Qvalue	
13) Acrolein	4.171	56	497	0.645	ug/l	90
15) Acetone	4.424	58	5296	9.118	ug/l	91
23) tert-Butyl Alcohol	5.518	59	350	0.532	ug/l #	100
25) Chloroform	7.947	83	54706	9.055	ug/l	92
30) 2-Butanone	7.471	43	4049	1.498	ug/l #	55
36) 1,2-Dichloroethane	9.083	62	9615	2.008	ug/l #	75
41) Bromodichloromethane	9.859	83	4686	0.949	ug/l	97
46) Methyl methacrylate	9.630	41	1106	0.277	ug/l #	27
58) 4-Methyl-2-Pentanone	10.424	43	2185	0.418	ug/l #	79
62) Toluene	10.612	91	28002	2.092	ug/l	98
77) t-1,4-Dichloro-2-butene	12.829	75	55198	35.161	ug/l #	14
79) tert-butylbenzene	13.706	119	4936	0.530	ug/l	70
82) p-Isopropyltoluene	13.706	119	4936	0.437	ug/l	86

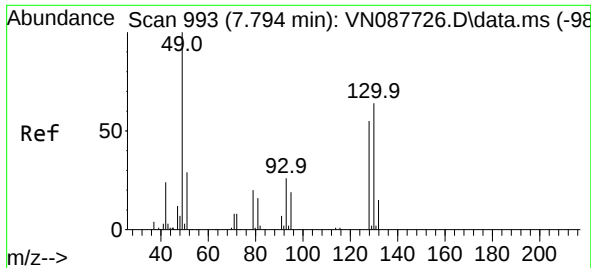
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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002 35th Ave (JULY)

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

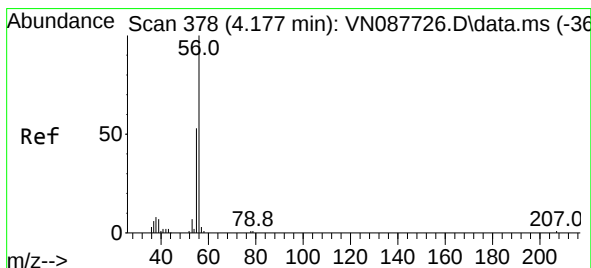
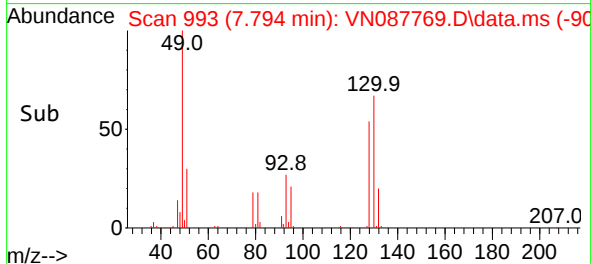
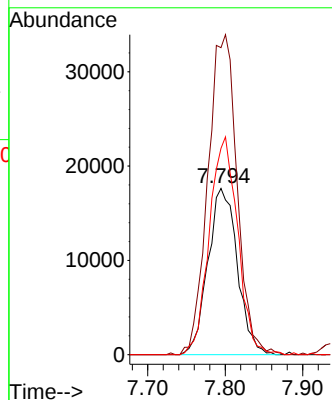
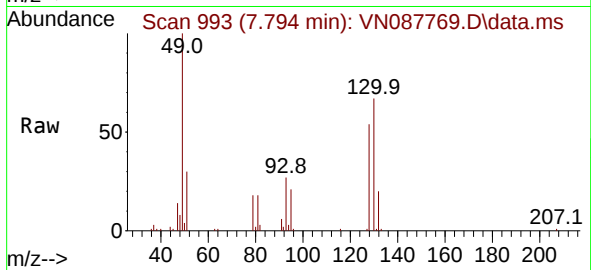




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.000 min
Lab File: VN087769.D
Acq: 09 Sep 2025 12:02

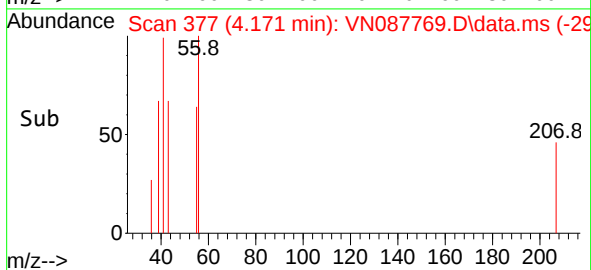
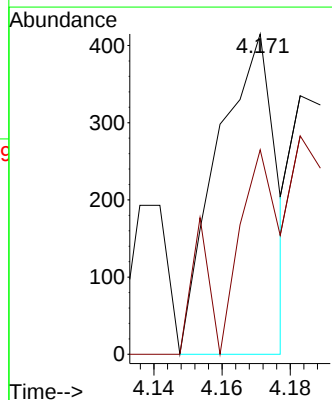
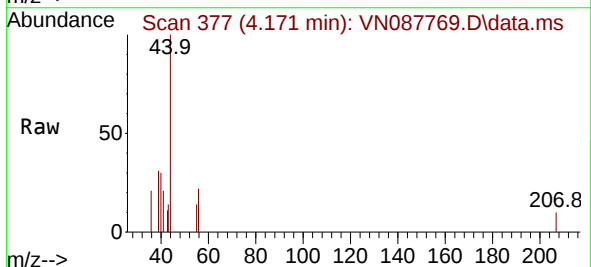
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (JULY)

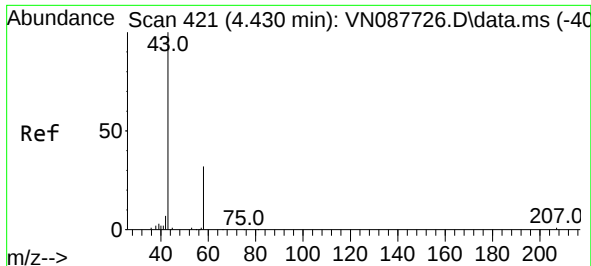
Tgt Ion:128 Resp: 46481
Ion Ratio Lower Upper
128 100
49 191.2 0.0 464.3
130 126.1 0.0 300.5



#13
Acrolein
Concen: 0.645 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN087769.D
Acq: 09 Sep 2025 12:02

Tgt Ion: 56 Resp: 497
Ion Ratio Lower Upper
56 100
55 41.6 28.6 42.8

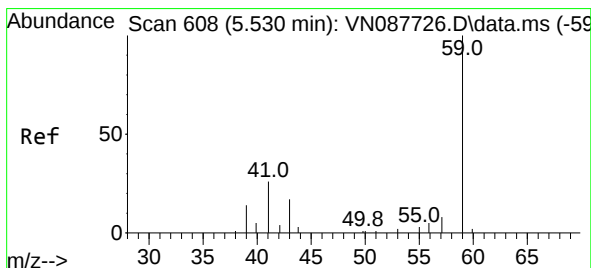
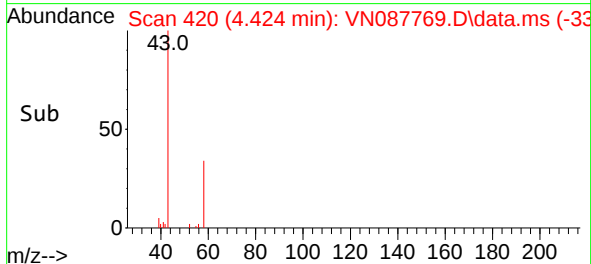
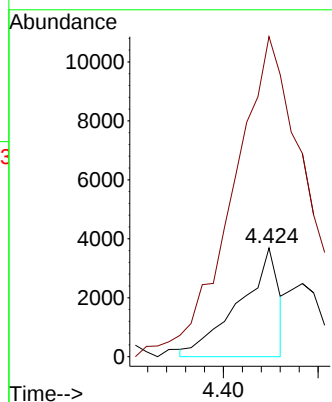
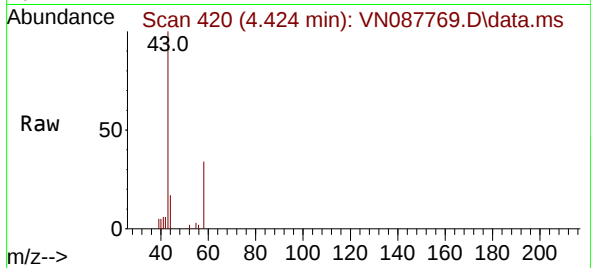




#15
Acetone
Concen: 9.118 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN087769.D
Acq: 09 Sep 2025 12:02

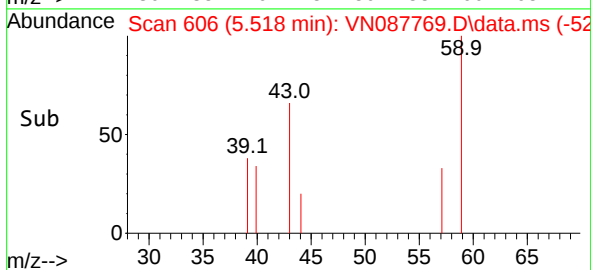
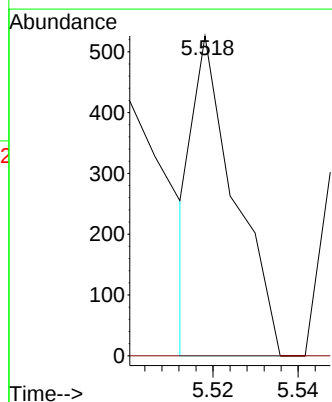
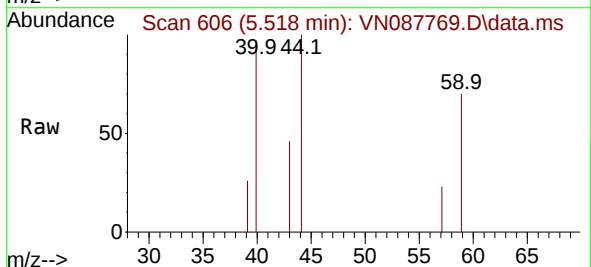
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (JULY)

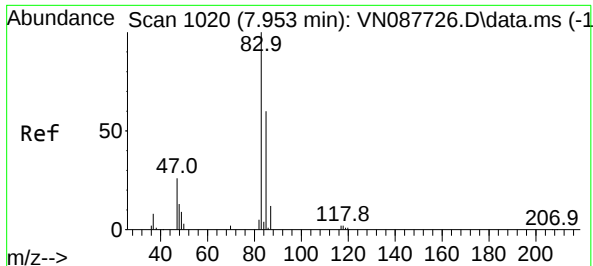
Tgt Ion: 58 Resp: 5296
Ion Ratio Lower Upper
58 100
43 294.8 250.6 376.0



#23
tert-Butyl Alcohol
Concen: 0.532 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.012 min
Lab File: VN087769.D
Acq: 09 Sep 2025 12:02

Tgt Ion: 59 Resp: 350
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0





#25

Chloroform

Concen: 9.055 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VN087769.D

Acq: 09 Sep 2025 12:02

Instrument :

MSVOA_N

ClientSampleId :

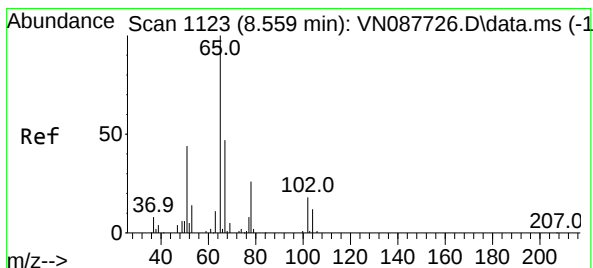
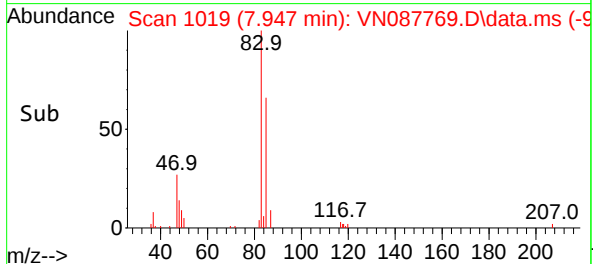
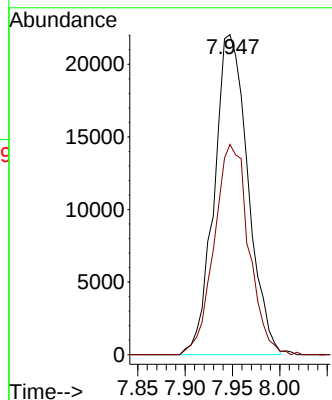
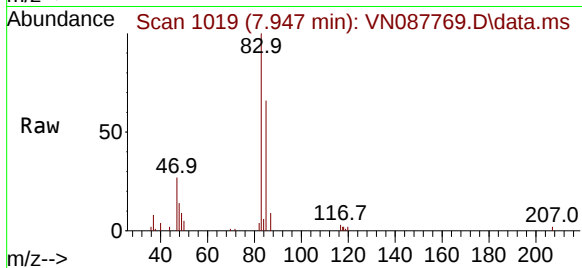
002 35th Ave (JULY)

Tgt Ion: 83 Resp: 54706

Ion Ratio Lower Upper

83 100

85 65.7 47.7 71.5



#27

1,2-Dichloroethane-d4

Concen: 30.761 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN087769.D

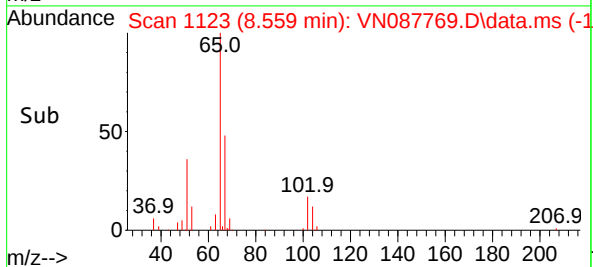
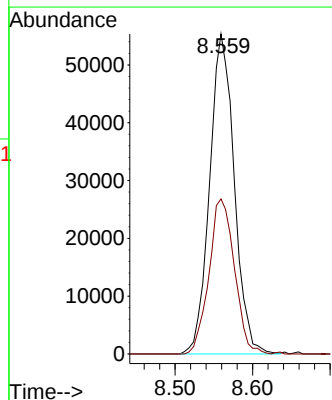
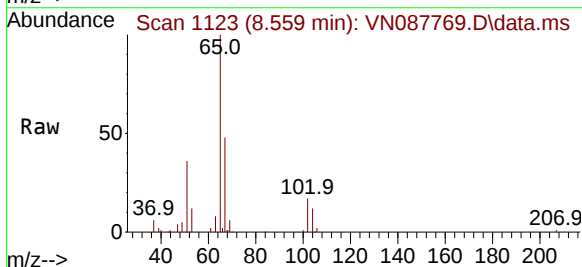
Acq: 09 Sep 2025 12:02

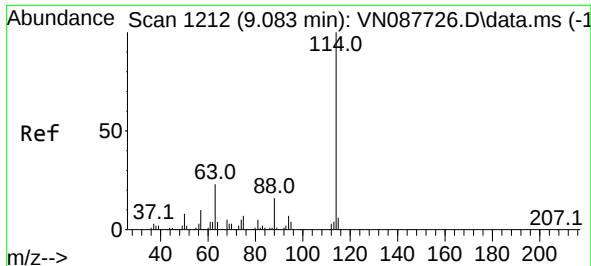
Tgt Ion: 65 Resp: 122137

Ion Ratio Lower Upper

65 100

67 50.1 39.6 59.4





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087769.D

Acq: 09 Sep 2025 12:02

Instrument :

MSVOA_N

ClientSampleId :

002 35th Ave (JULY)

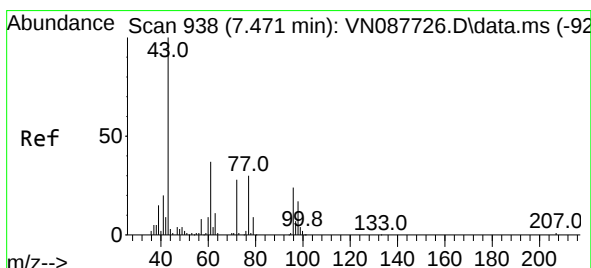
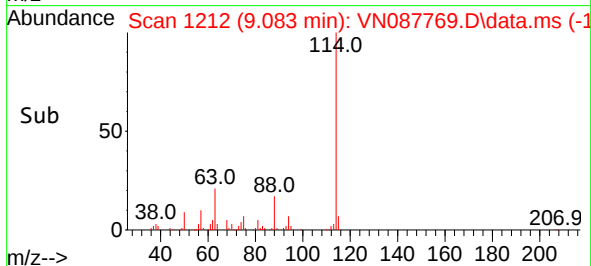
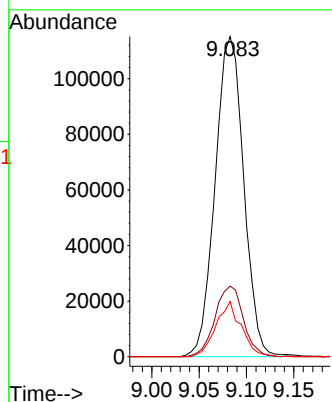
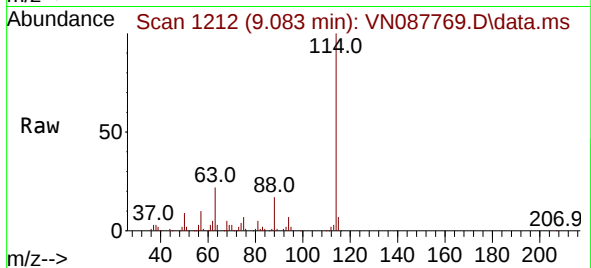
Tgt Ion:114 Resp: 241360

Ion Ratio Lower Upper

114 100

63 21.9 18.3 27.5

88 15.3 12.4 18.6



#30

2-Butanone

Concen: 1.498 ug/l

RT: 7.471 min Scan# 938

Delta R.T. 0.000 min

Lab File: VN087769.D

Acq: 09 Sep 2025 12:02

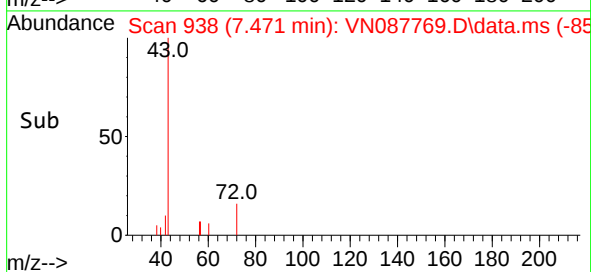
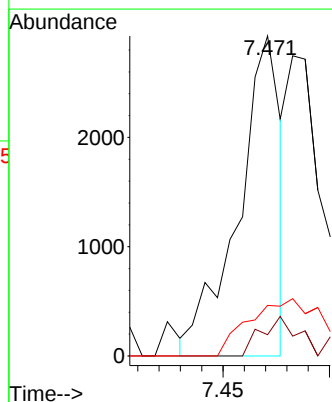
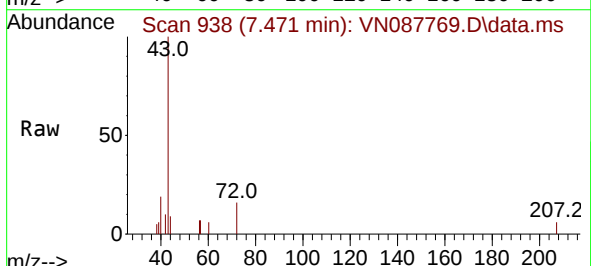
Tgt Ion: 43 Resp: 4049

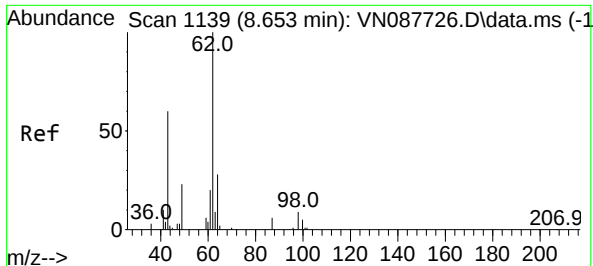
Ion Ratio Lower Upper

43 100

57 0.0 6.3 9.5#

72 0.0 21.4 32.2#





#36

1,2-Dichloroethane

Concen: 2.008 ug/l

RT: 9.083 min Scan# 1139

Delta R.T. 0.429 min

Lab File: VN087769.D

Acq: 09 Sep 2025 12:02

Instrument :

MSVOA_N

ClientSampleId :

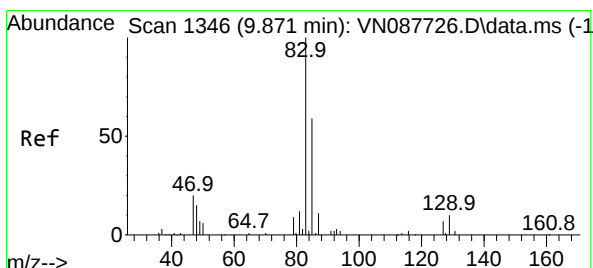
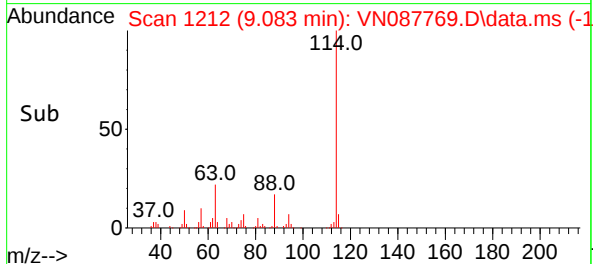
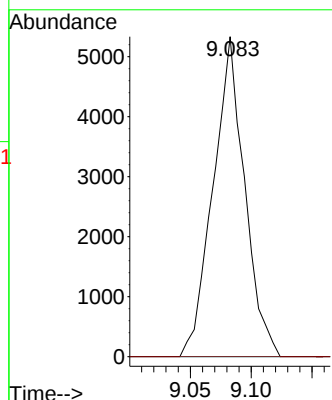
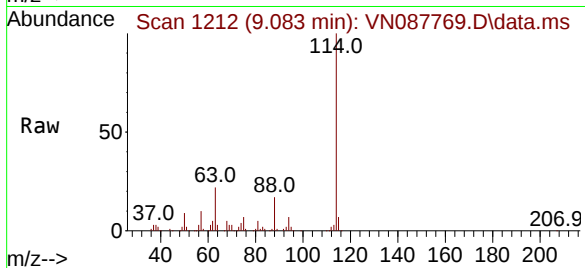
002 35th Ave (JULY)

Tgt Ion: 62 Resp: 9615

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



#41

Bromodichloromethane

Concen: 0.949 ug/l

RT: 9.859 min Scan# 1344

Delta R.T. -0.012 min

Lab File: VN087769.D

Acq: 09 Sep 2025 12:02

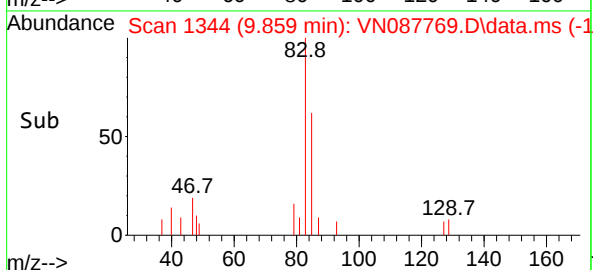
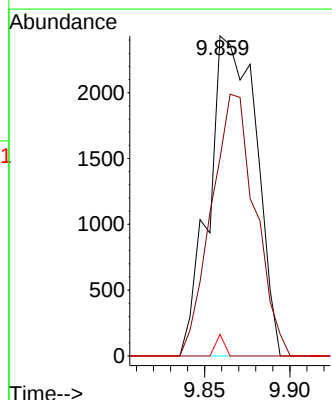
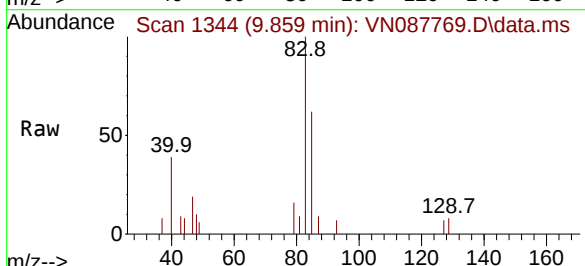
Tgt Ion: 83 Resp: 4686

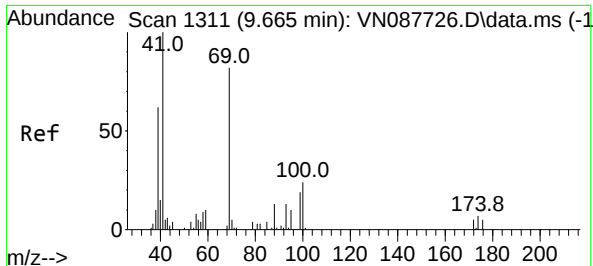
Ion Ratio Lower Upper

83 100

85 61.8 47.3 70.9

127 6.7 5.2 7.8

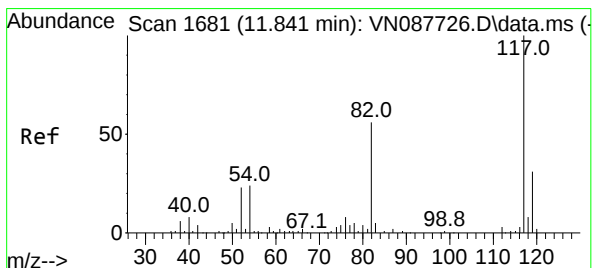
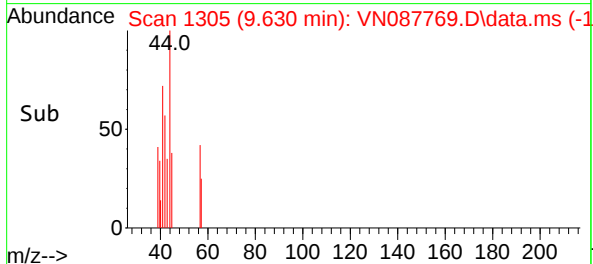
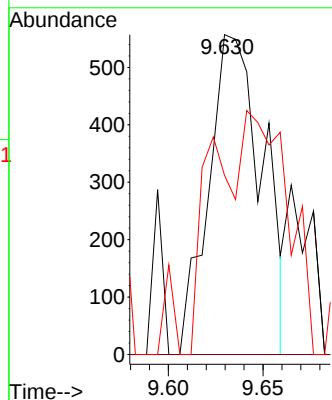
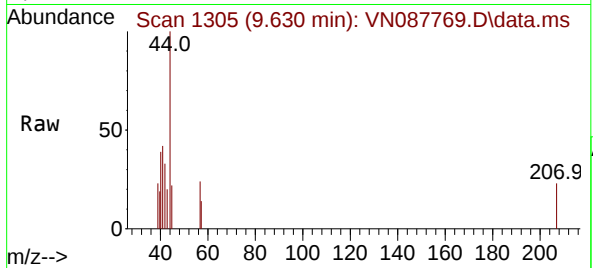




#46
Methyl methacrylate
Concen: 0.277 ug/l
RT: 9.630 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN087769.D
Acq: 09 Sep 2025 12:02

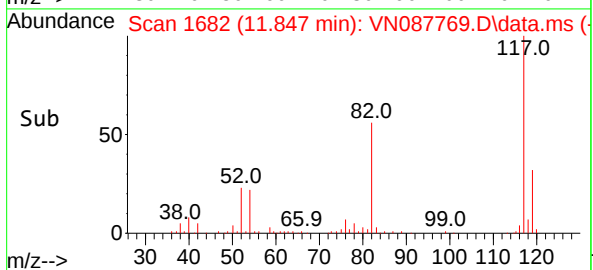
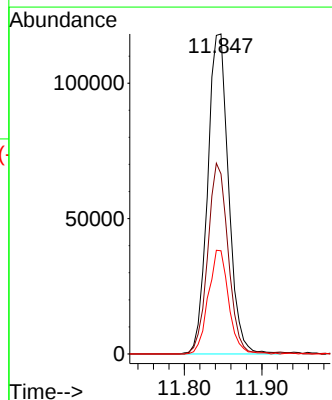
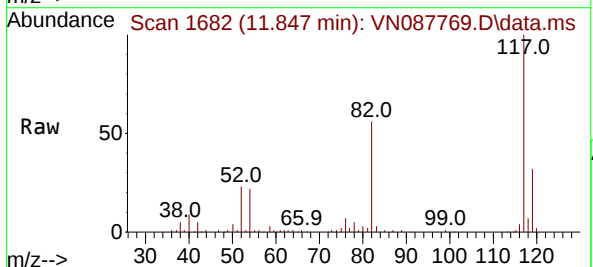
Instrument :
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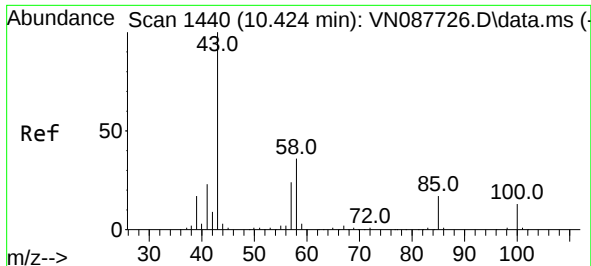
Tgt Ion: 41 Resp: 1106
Ion Ratio Lower Upper
41 100
69 0.0 40.3 120.9#
39 102.7 31.9 95.9#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087769.D
Acq: 09 Sep 2025 12:02

Tgt Ion: 117 Resp: 221260
Ion Ratio Lower Upper
117 100
82 58.1 45.9 68.9
119 31.5 25.3 37.9

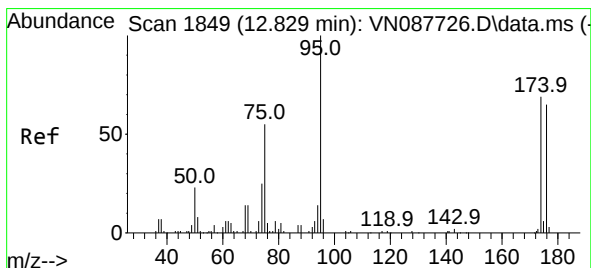
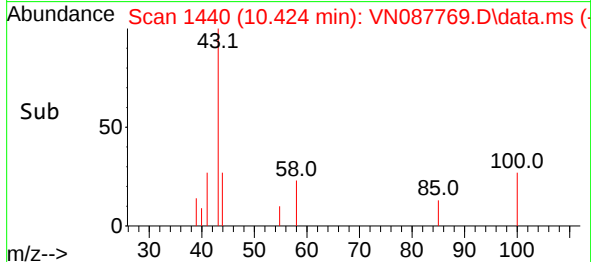
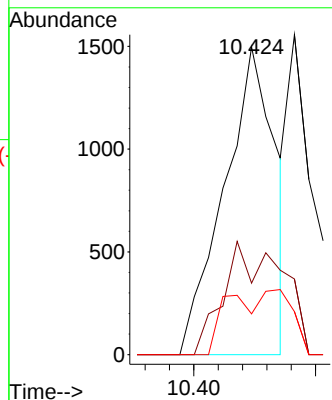
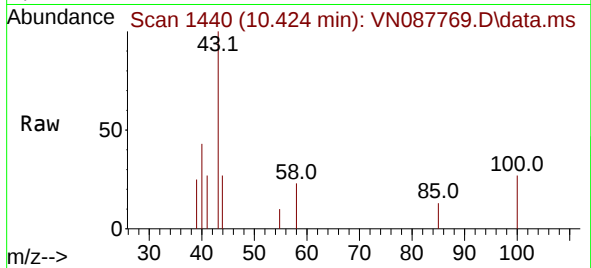




#58
4-Methyl-2-Pentanone
Concen: 0.418 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. 0.000 min
Lab File: VN087769.D
Acq: 09 Sep 2025 12:02

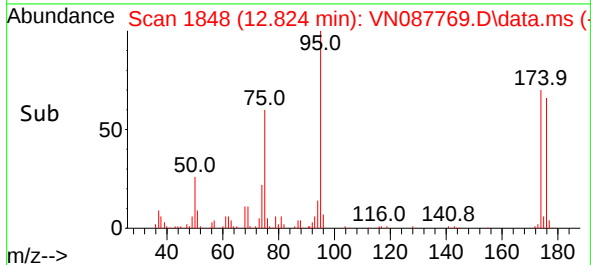
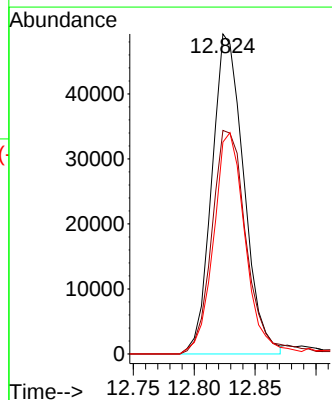
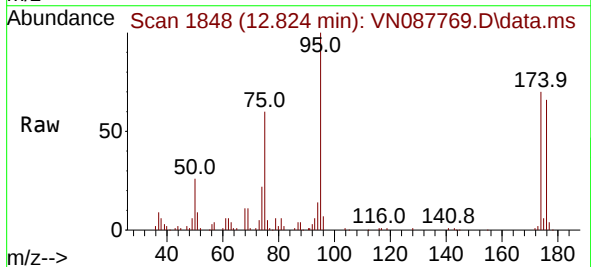
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (JULY)

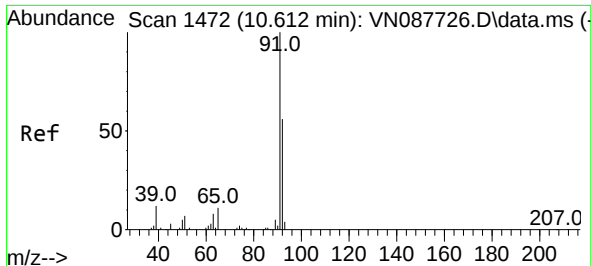
Tgt Ion: 43 Resp: 2185
Ion Ratio Lower Upper
43 100
58 21.6 29.6 44.4#
85 12.4 13.0 19.4#



#60
4-Bromofluorobenzene
Concen: 25.238 ug/l
RT: 12.824 min Scan# 1848
Delta R.T. -0.006 min
Lab File: VN087769.D
Acq: 09 Sep 2025 12:02

Tgt Ion: 95 Resp: 89789
Ion Ratio Lower Upper
95 100
174 76.1 55.4 83.0
176 68.6 51.5 77.3

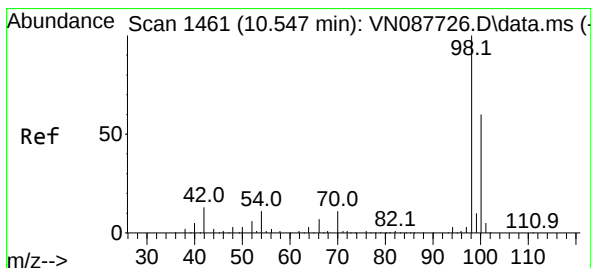
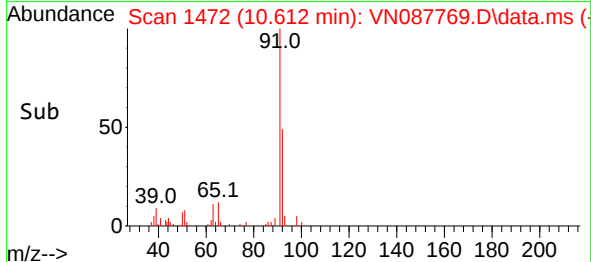
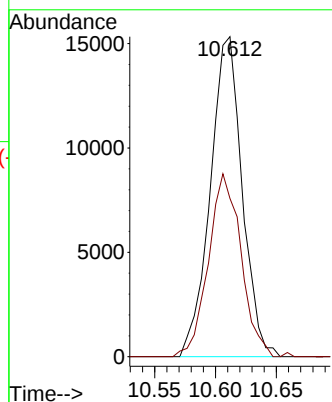
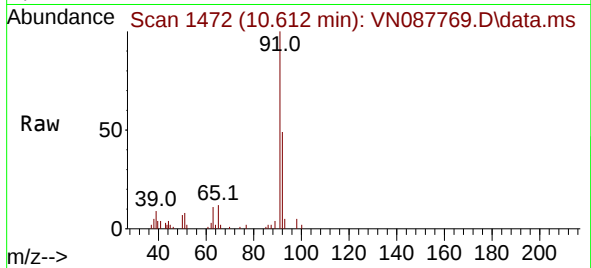




#62
Toluene
Concen: 2.092 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VN087769.D
Acq: 09 Sep 2025 12:02

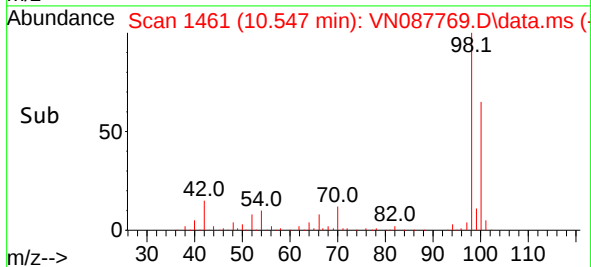
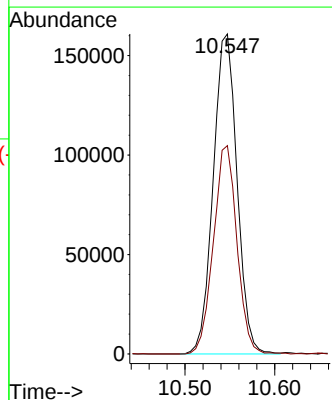
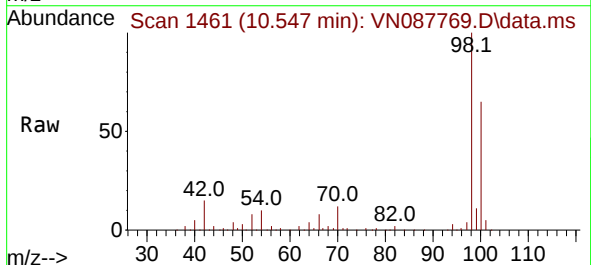
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (JULY)

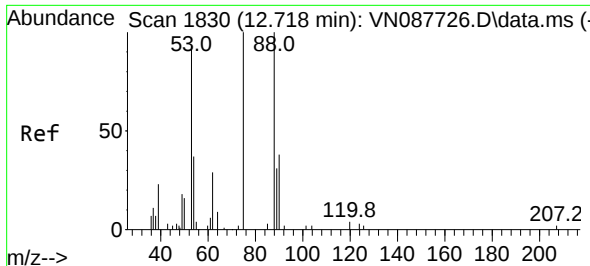
Tgt Ion: 91 Resp: 28002
Ion Ratio Lower Upper
91 100
92 58.2 45.4 68.0



#63
Toluene-d8
Concen: 28.823 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087769.D
Acq: 09 Sep 2025 12:02

Tgt Ion: 98 Resp: 296581
Ion Ratio Lower Upper
98 100
100 64.1 50.6 76.0

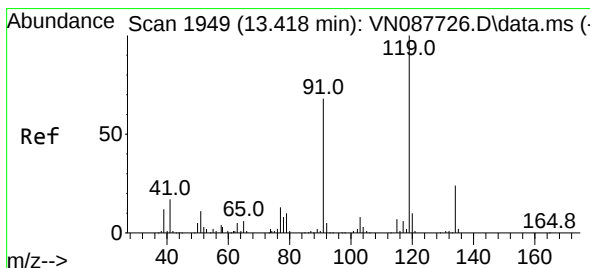
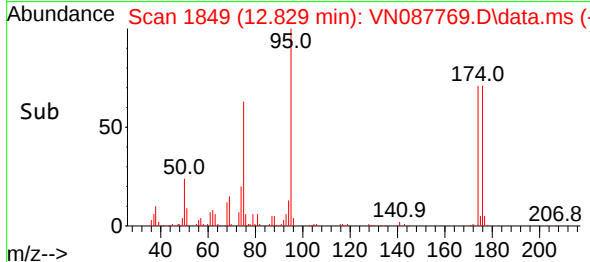
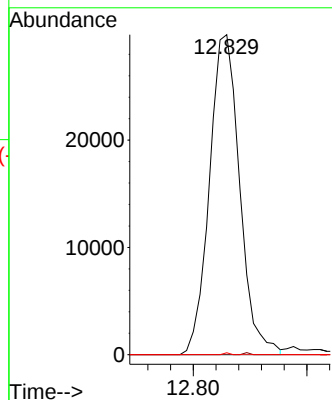
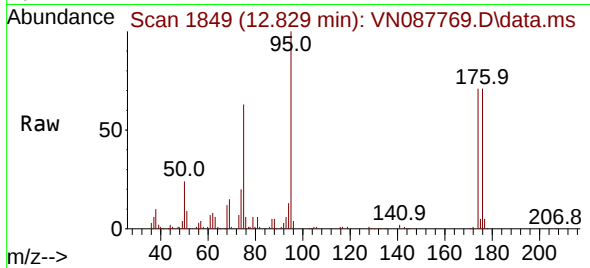




#77
t-1,4-Dichloro-2-butene
Concen: 35.161 ug/l
RT: 12.829 min Scan# 1198
Delta R.T. 0.112 min
Lab File: VN087769.D
Acq: 09 Sep 2025 12:02

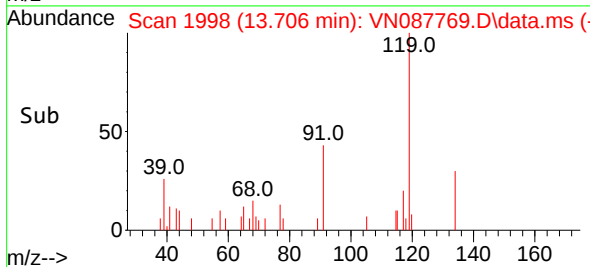
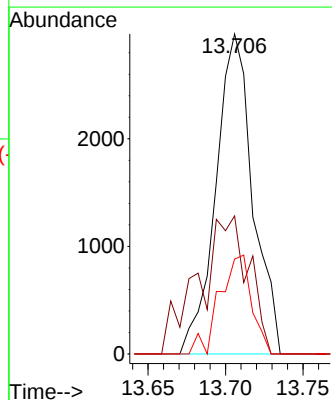
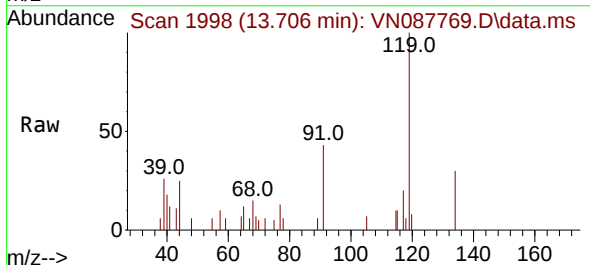
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (JULY)

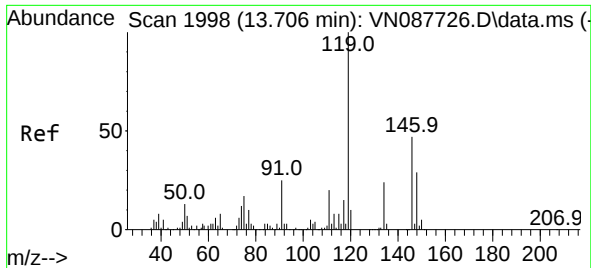
Tgt Ion: 75 Resp: 55198
Ion Ratio Lower Upper
75 100
53 0.0 45.3 135.9#
89 0.6 18.8 56.3#



#79
tert-butylbenzene
Concen: 0.530 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. 0.288 min
Lab File: VN087769.D
Acq: 09 Sep 2025 12:02

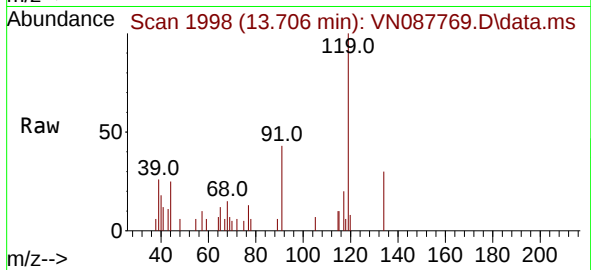
Tgt Ion: 119 Resp: 4936
Ion Ratio Lower Upper
119 100
91 39.7 0.0 142.6
134 25.4 0.0 47.2





#82
 p-Isopropyltoluene
 Concen: 0.437 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN087769.D
 Acq: 09 Sep 2025 12:02

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



Tgt Ion:	119	Resp:	4936
Ion Ratio	Lower	Upper	
119	100		
134	25.4	0.0	49.4
91	39.7	0.0	52.2

