

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120525\
 Data File : VN088468.D
 Acq On : 05 Dec 2025 11:20
 Operator : JC\MD
 Sample : Q3760-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Dec 05 23:38:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 14 00:49:21 2025
 Response via : Initial Calibration

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

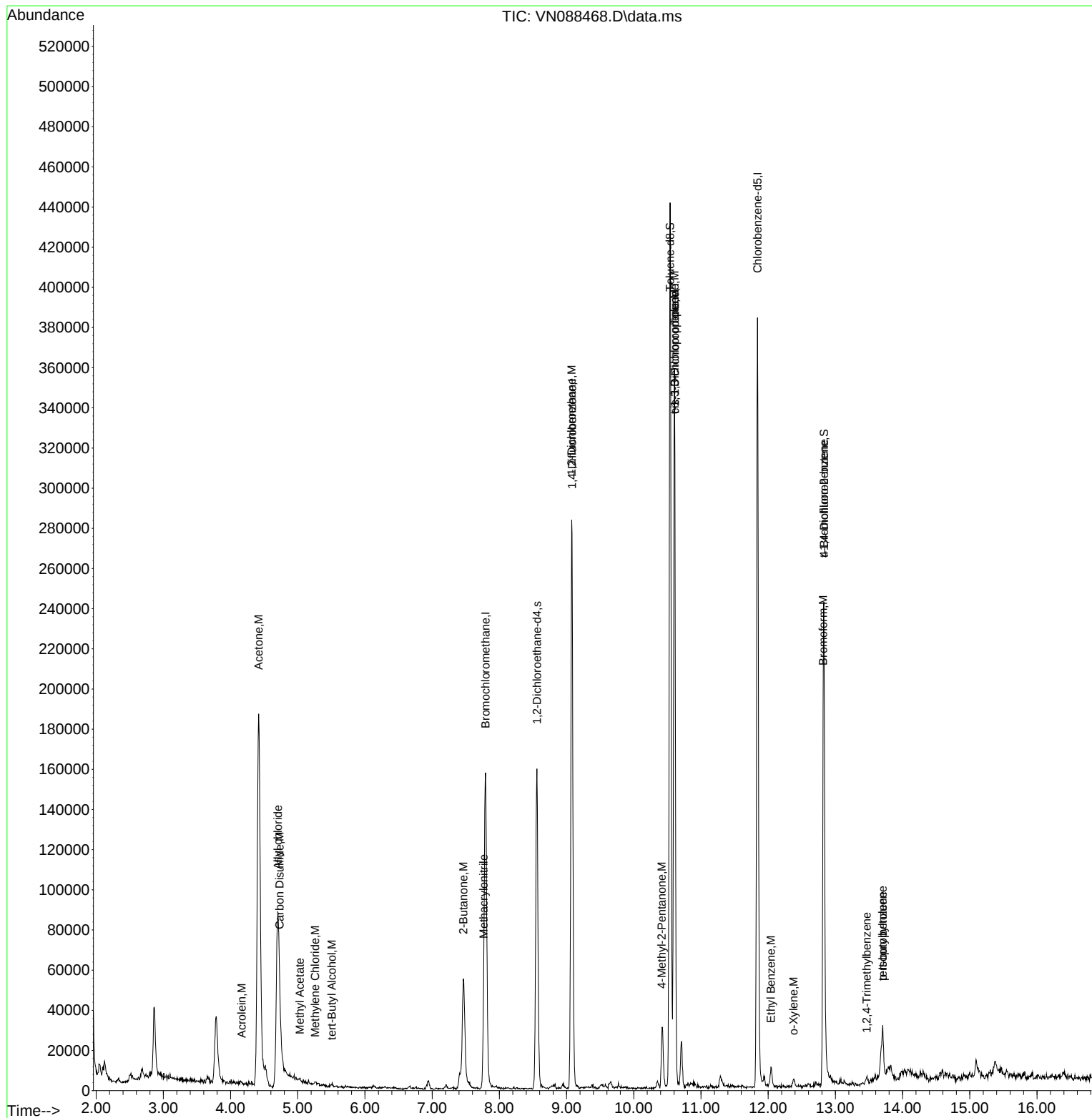
Internal Standards						
1) Bromochloromethane	7.794	128	47619	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	225907	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	204147	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	136636	31.413	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.700%
60) 4-Bromofluorobenzene	12.829	95	90065	26.098	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.000%
63) Toluene-d8	10.541	98	290372	30.043	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.133%
Target Compounds						
					Qvalue	
12) Methyl Acetate	5.030	43	990	0.234	ug/l #	50
13) Acrolein	4.165	56	160	0.257	ug/l	100
15) Acetone	4.418	58	106630	189.955	ug/l	95
16) Carbon Disulfide	4.730	76	24884	2.818	ug/l	97
17) Allyl chloride	4.706	41	6772	1.331	ug/l	99
18) Methylene Chloride	5.259	84	710	0.218	ug/l #	41
23) tert-Butyl Alcohol	5.506	59	839	1.189	ug/l #	100
30) 2-Butanone	7.465	43	95491	39.164	ug/l	99
35) Methacrylonitrile	7.765	41	1857	0.730	ug/l #	39
36) 1,2-Dichloroethane	9.077	62	10271	2.342	ug/l #	76
48) t-1,3-Dichloropropene	10.612	75	1897	0.422	ug/l #	1
49) cis-1,3-Dichloropropene	10.612	75	1897	0.405	ug/l #	1
56) Bromoform	12.818	173	532	0.283	ug/l #	1
58) 4-Methyl-2-Pentanone	10.418	43	24284	5.259	ug/l	96
62) Toluene	10.606	91	256407	21.887	ug/l	99
66) Ethyl Benzene	12.041	91	5588	0.433	ug/l	97
68) o-Xylene	12.376	106	1185	0.260	ug/l	51
77) t-1,4-Dichloro-2-butene	12.829	75	54927	42.223	ug/l #	10
79) tert-butylbenzene	13.706	119	12311	1.419	ug/l	71
80) 1,2,4-Trimethylbenzene	13.465	105	2242	0.223	ug/l	69
82) p-Isopropyltoluene	13.706	119	12311	1.177	ug/l	87

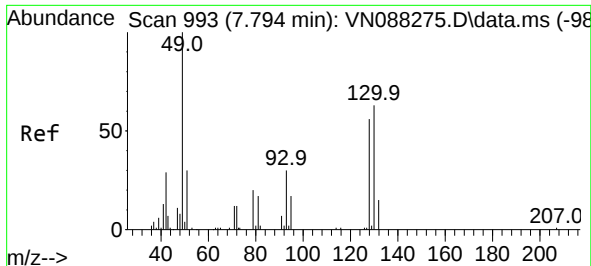
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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002 35th Ave (Dec)

Quant Time: Dec 05 23:38:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

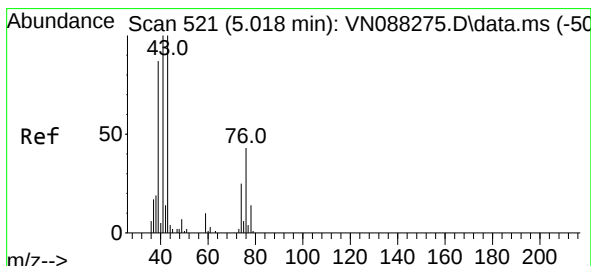
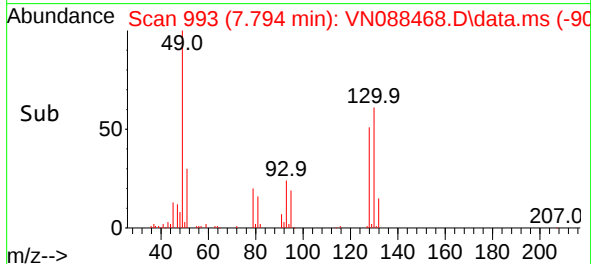
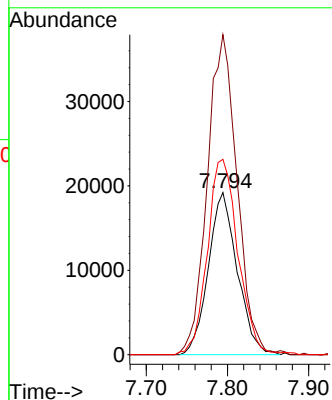
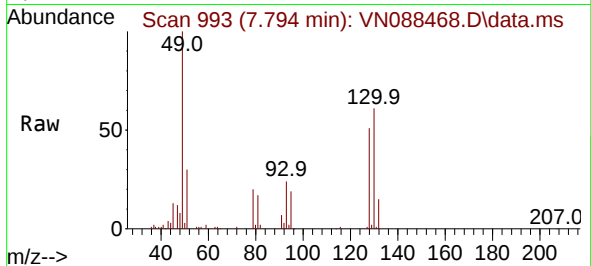




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.000 min
Lab File: VN088468.D
Acq: 05 Dec 2025 11:20

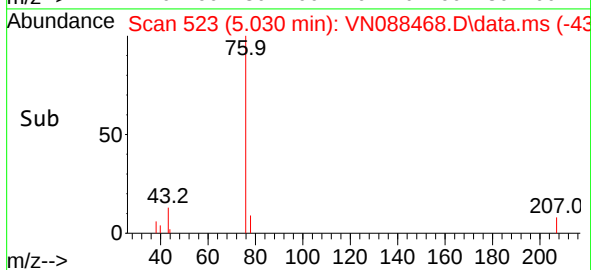
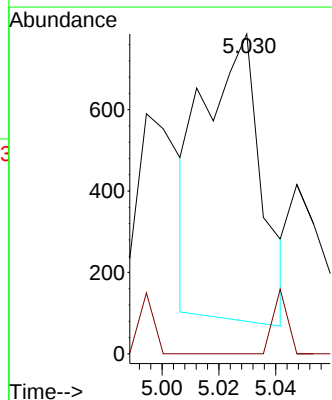
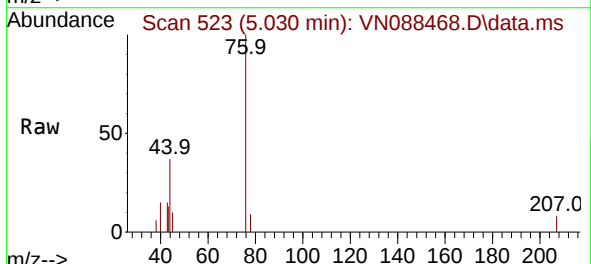
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (Dec)

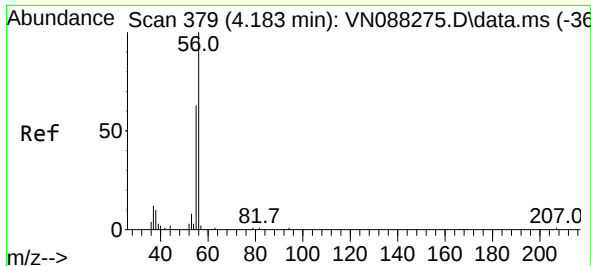
Tgt Ion:128 Resp: 47619
Ion Ratio Lower Upper
128 100
49 202.4 0.0 501.2
130 127.2 0.0 320.2



#12
Methyl Acetate
Concen: 0.234 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN088468.D
Acq: 05 Dec 2025 11:20

Tgt Ion: 43 Resp: 990
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.8#

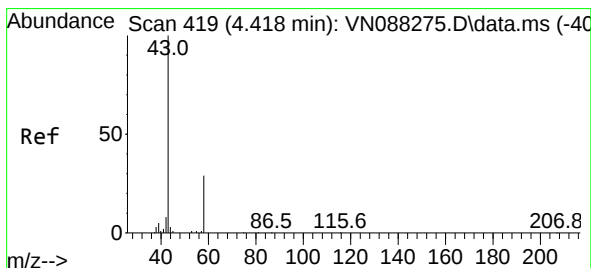
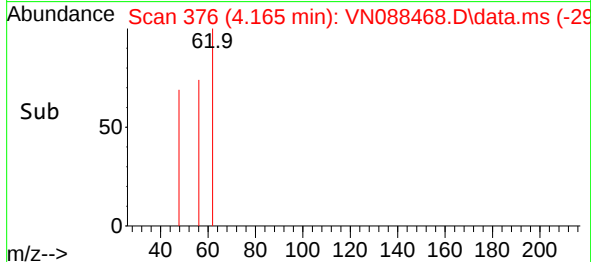
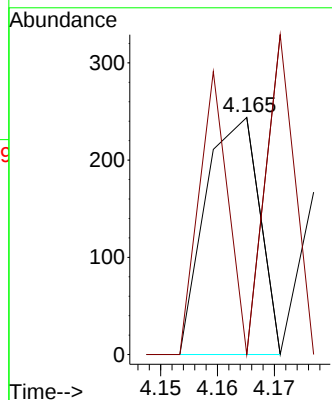
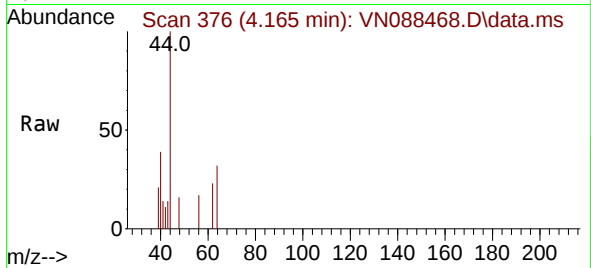




#13
Acrolein
Concen: 0.257 ug/l
RT: 4.165 min Scan# 31
Delta R.T. -0.018 min
Lab File: VN088468.D
Acq: 05 Dec 2025 11:20

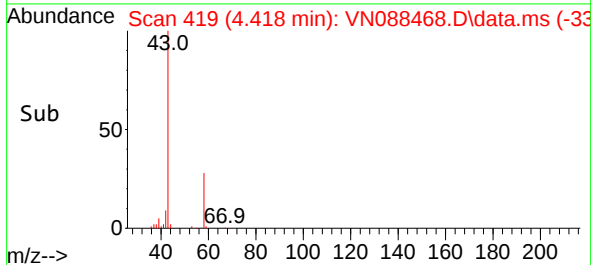
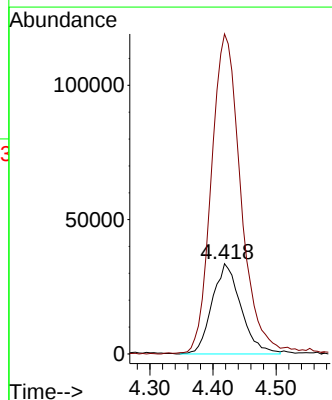
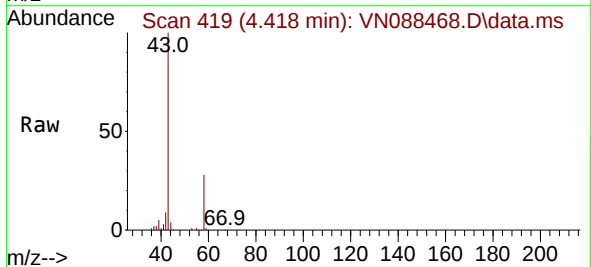
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (Dec)

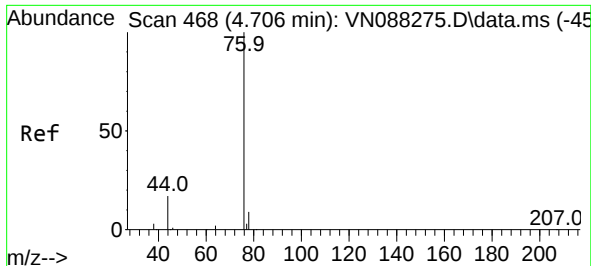
Tgt Ion: 56 Resp: 160
Ion Ratio Lower Upper
56 100
55 72.5 57.9 86.9



#15
Acetone
Concen: 189.955 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.000 min
Lab File: VN088468.D
Acq: 05 Dec 2025 11:20

Tgt Ion: 58 Resp: 106630
Ion Ratio Lower Upper
58 100
43 353.2 273.9 410.9

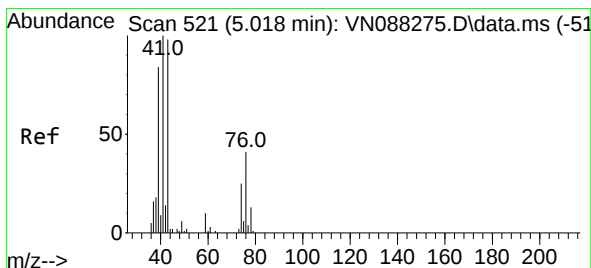
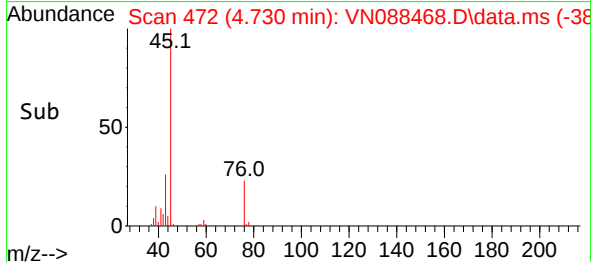
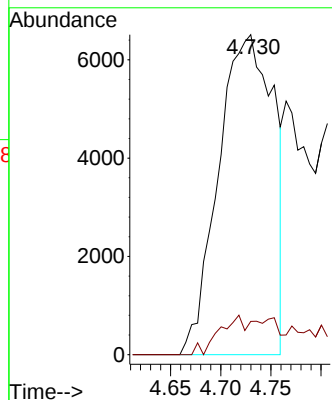
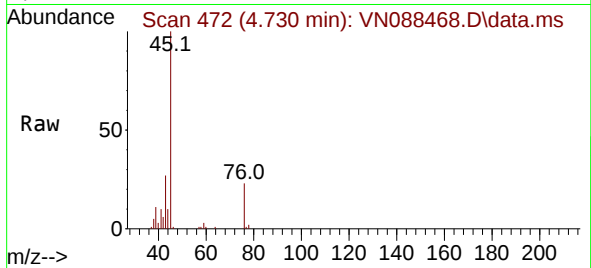




#16
Carbon Disulfide
Concen: 2.818 ug/l
RT: 4.730 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN088468.D
Acq: 05 Dec 2025 11:20

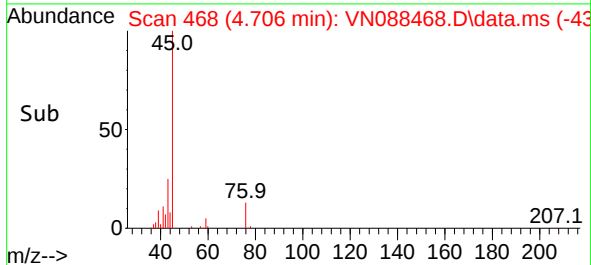
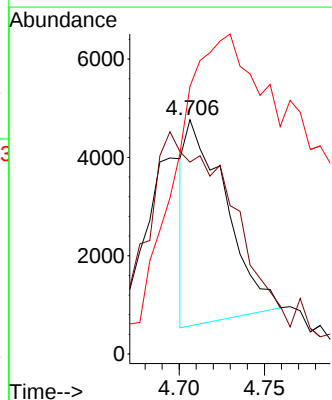
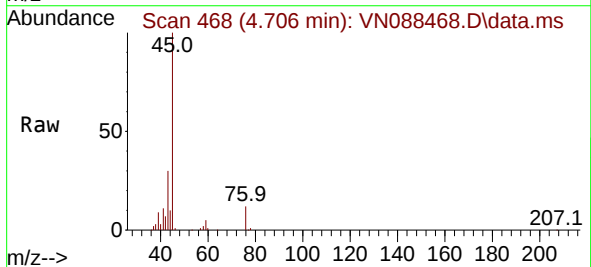
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (Dec)

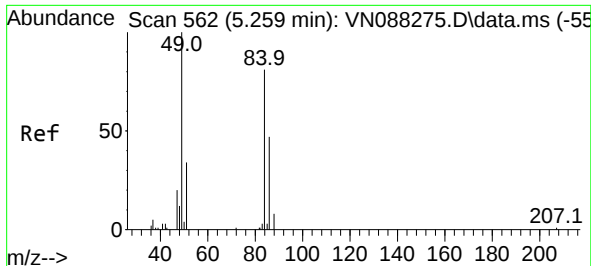
Tgt Ion: 76 Resp: 24884
Ion Ratio Lower Upper
76 100
78 10.4 7.5 11.3



#17
Allyl chloride
Concen: 1.331 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.312 min
Lab File: VN088468.D
Acq: 05 Dec 2025 11:20

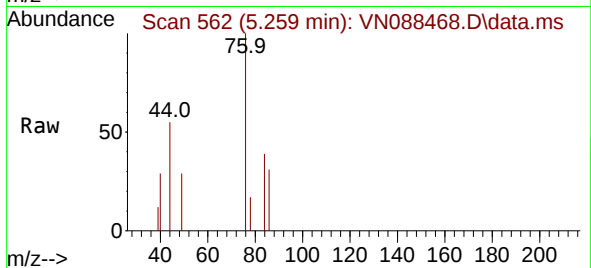
Tgt Ion: 41 Resp: 6772
Ion Ratio Lower Upper
41 100
39 76.4 38.3 114.9
76 35.7 18.5 55.5



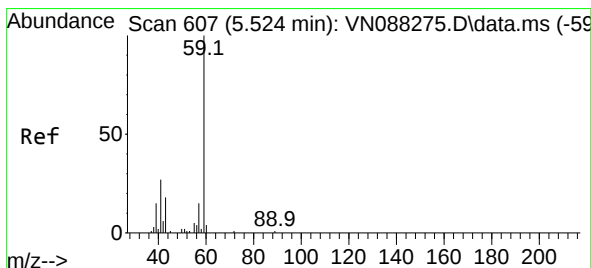
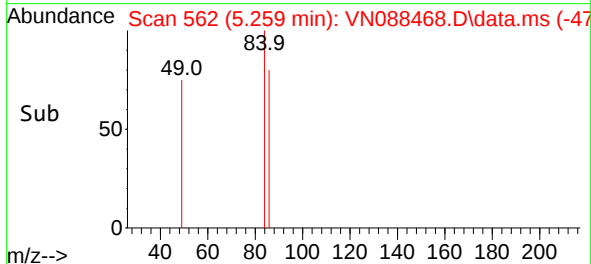
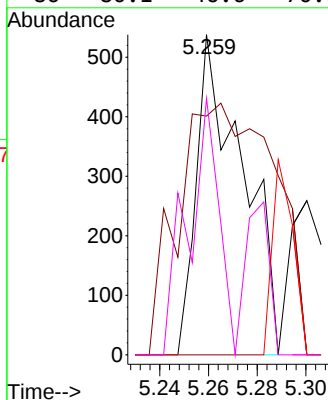


#18
Methylene Chloride
Concen: 0.218 ug/l
RT: 5.259 min Scan# 501
Delta R.T. -0.000 min
Lab File: VN088468.D
Acq: 05 Dec 2025 11:20

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

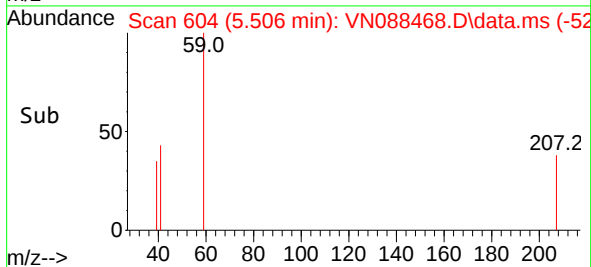
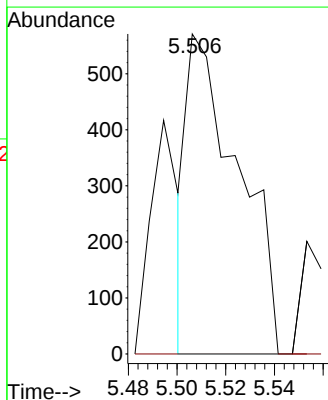
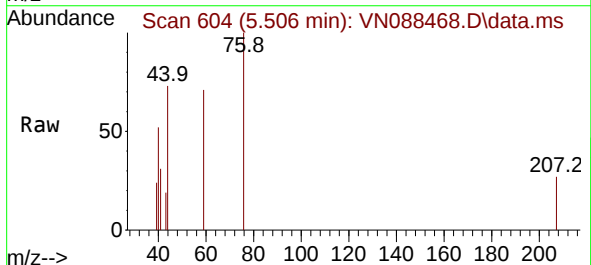


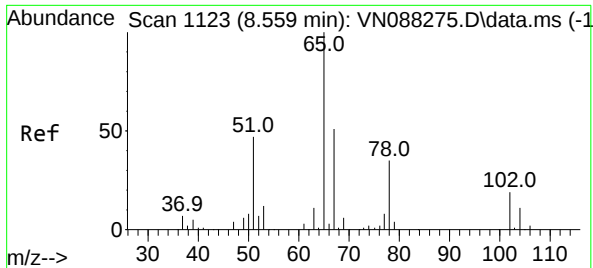
Tgt Ion:	84	Resp:	710
Ion	Ratio	Lower	Upper
84	100		
49	44.1	98.7	148.1#
51	0.0	33.7	50.5#
86	80.1	46.6	70.0#



#23
tert-Butyl Alcohol
Concen: 1.189 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.018 min
Lab File: VN088468.D
Acq: 05 Dec 2025 11:20

Tgt Ion:	59	Resp:	839
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

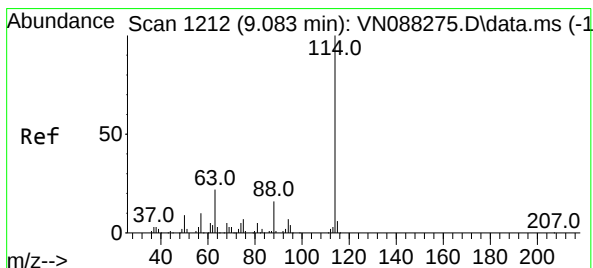
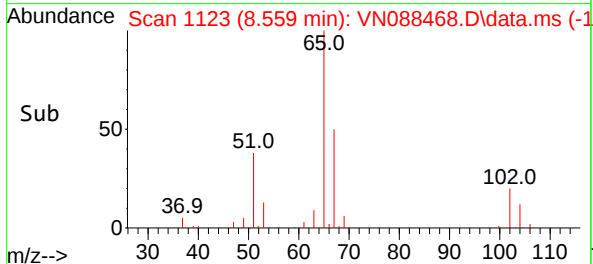
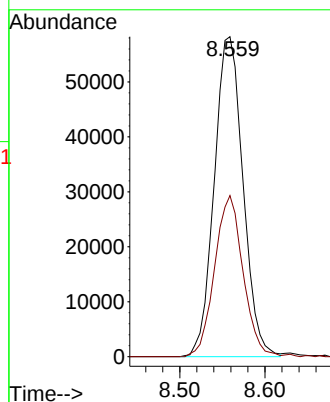
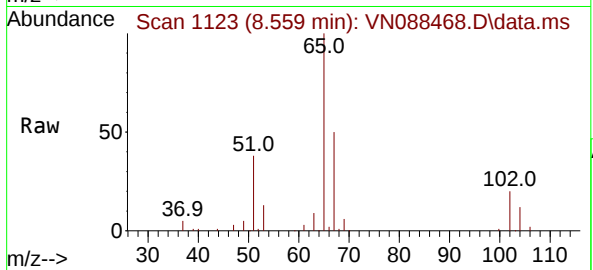




#27
1,2-Dichloroethane-d4
Concen: 31.413 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088468.D
Acq: 05 Dec 2025 11:20

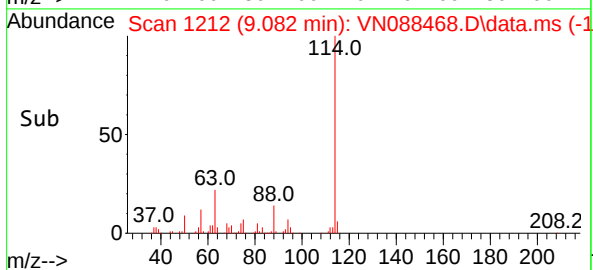
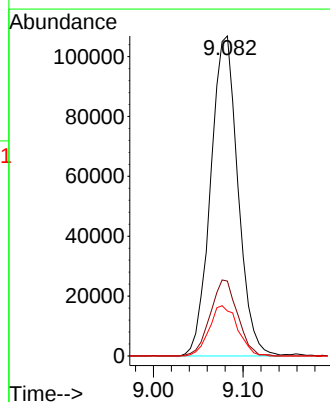
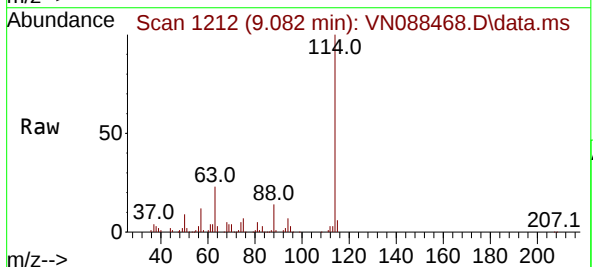
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MSVOA_N
ClientSampleId :
002 35th Ave (Dec)

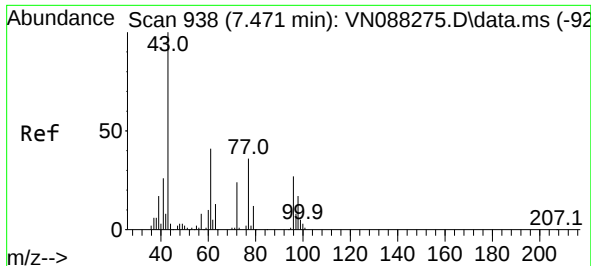
Tgt Ion: 65 Resp: 136636
Ion Ratio Lower Upper
65 100
67 49.7 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN088468.D
Acq: 05 Dec 2025 11:20

Tgt Ion: 114 Resp: 225907
Ion Ratio Lower Upper
114 100
63 23.7 18.9 28.3
88 16.3 12.8 19.2

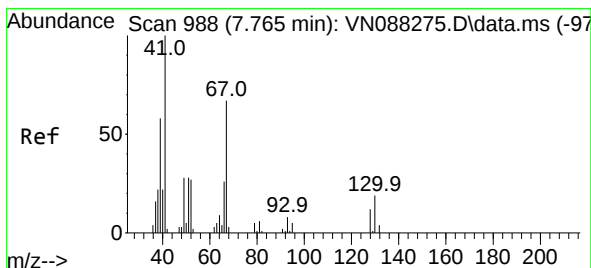
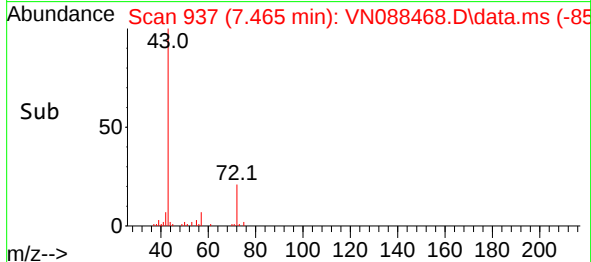
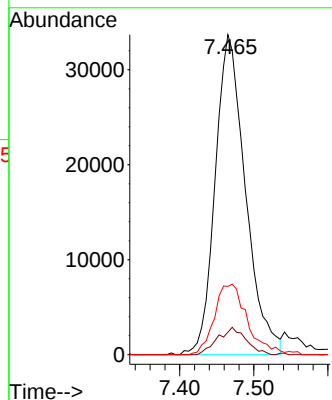
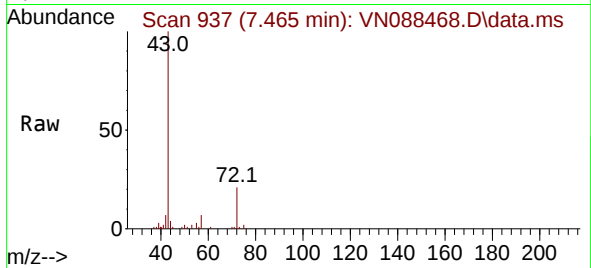




#30
2-Butanone
Concen: 39.164 ug/l
RT: 7.465 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN088468.D
Acq: 05 Dec 2025 11:20

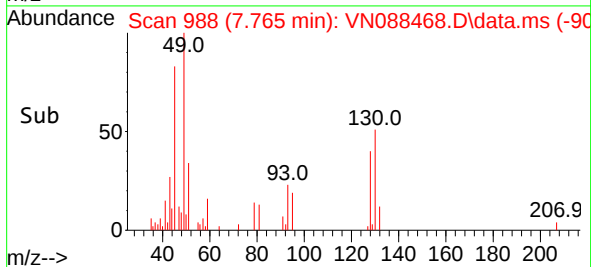
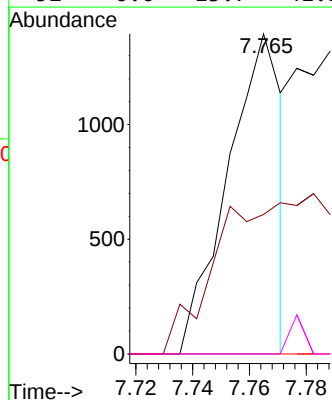
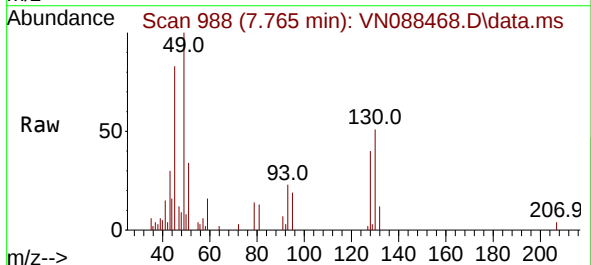
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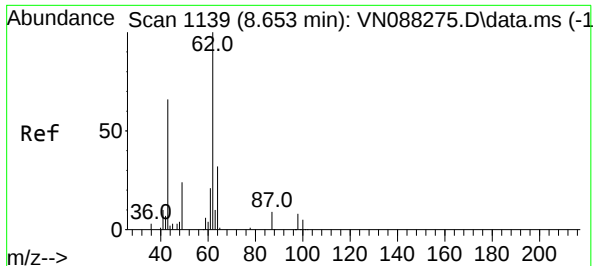
Tgt Ion: 43 Resp: 95491
Ion Ratio Lower Upper
43 100
57 8.0 6.2 9.4
72 23.9 19.4 29.2



#35
Methacrylonitrile
Concen: 0.730 ug/l
RT: 7.765 min Scan# 988
Delta R.T. -0.000 min
Lab File: VN088468.D
Acq: 05 Dec 2025 11:20

Tgt Ion: 41 Resp: 1857
Ion Ratio Lower Upper
41 100
39 28.0 29.0 87.0#
67 0.0 33.3 99.9#
52 0.0 13.7 41.1#

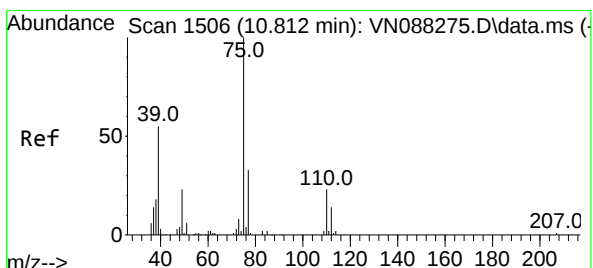
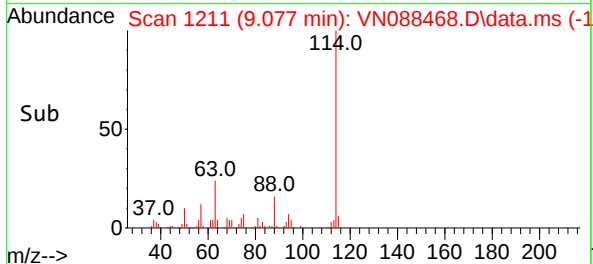
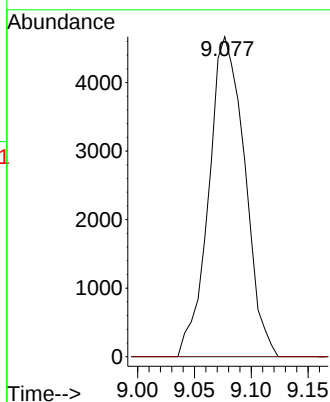
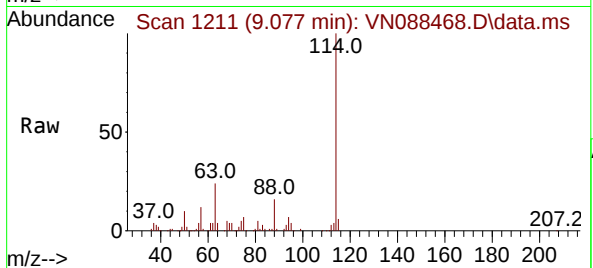




#36
1,2-Dichloroethane
Concen: 2.342 ug/l
RT: 9.077 min Scan# 1139
Delta R.T. 0.423 min
Lab File: VN088468.D
Acq: 05 Dec 2025 11:20

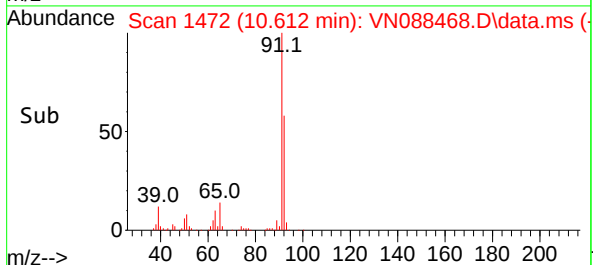
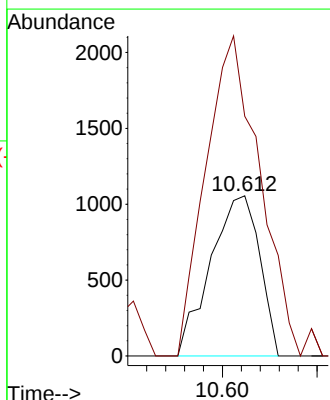
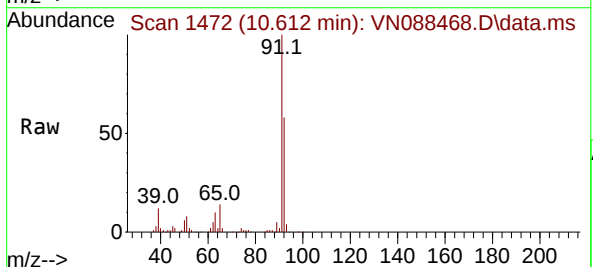
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (Dec)

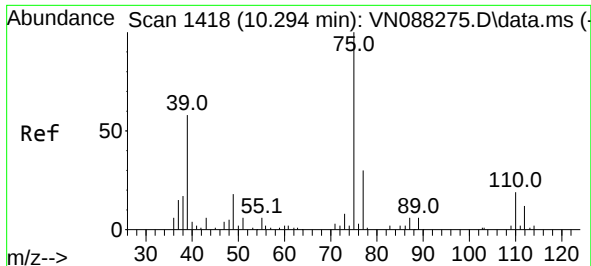
Tgt Ion: 62 Resp: 10271
Ion Ratio Lower Upper
62 100
98 0.0 6.8 10.2#



#48
t-1,3-Dichloropropene
Concen: 0.422 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. -0.200 min
Lab File: VN088468.D
Acq: 05 Dec 2025 11:20

Tgt Ion: 75 Resp: 1897
Ion Ratio Lower Upper
75 100
77 149.6 26.1 39.1#





#49

cis-1,3-Dichloropropene

Concen: 0.405 ug/l

RT: 10.612 min Scan# 1418

Delta R.T. 0.318 min

Lab File: VN088468.D

Acq: 05 Dec 2025 11:20

Instrument :

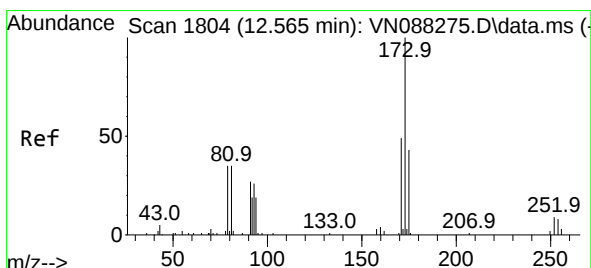
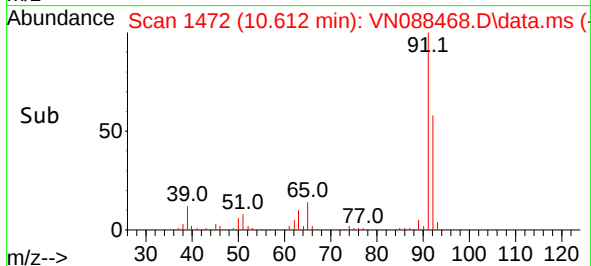
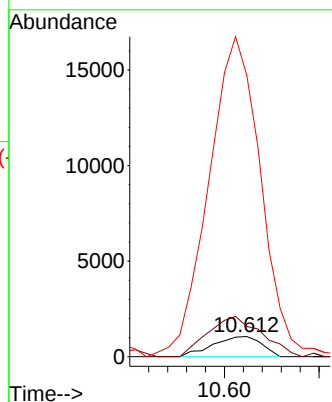
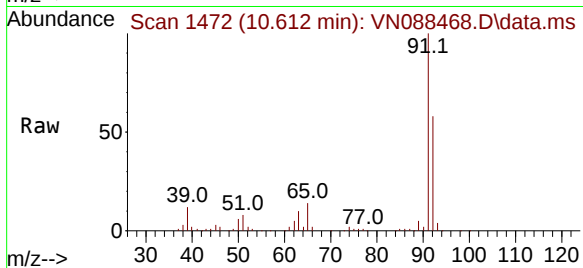
MSVOA_N

ClientSampleId :

002 35th Ave (Dec)

Tgt Ion: 75 Resp: 1897

Ion	Ratio	Lower	Upper
75	100		
77	149.6	24.4	36.6#
39	1286.6	46.1	69.1#



#56

Bromoform

Concen: 0.283 ug/l

RT: 12.818 min Scan# 1847

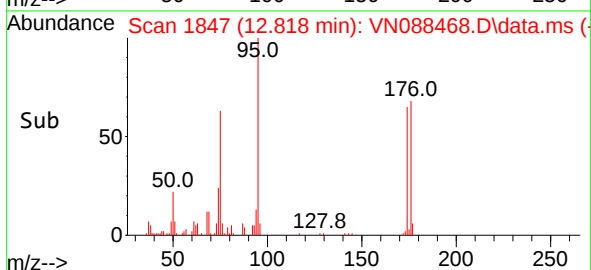
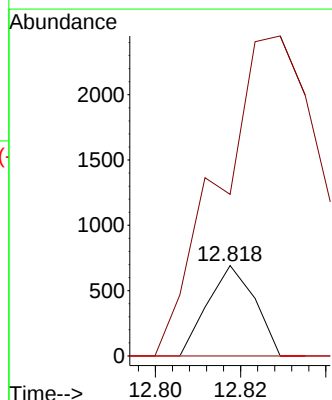
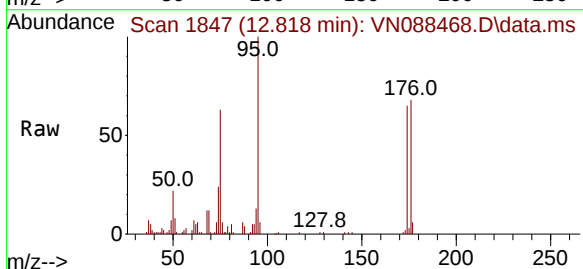
Delta R.T. 0.253 min

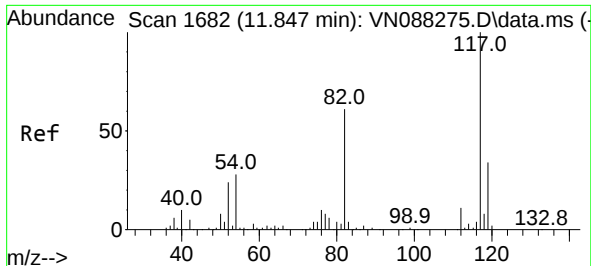
Lab File: VN088468.D

Acq: 05 Dec 2025 11:20

Tgt Ion:173 Resp: 532

Ion	Ratio	Lower	Upper
173	100		
175	736.3	37.7	56.5#
254	0.0	5.9	8.9#

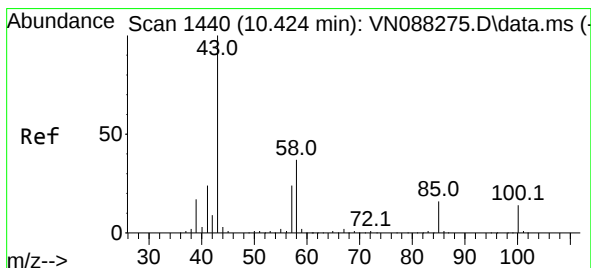
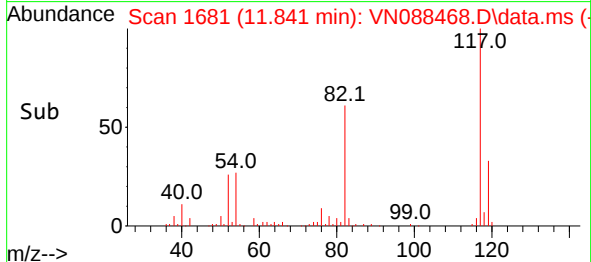
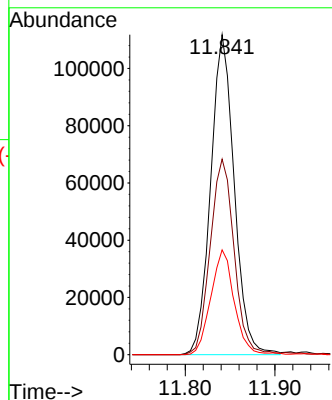
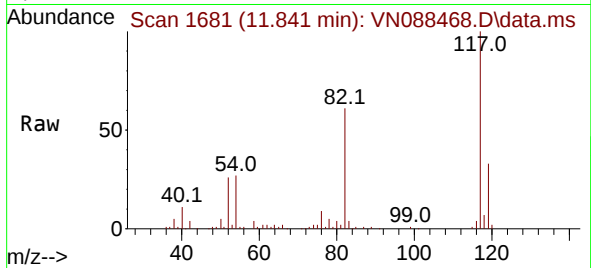




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088468.D
Acq: 05 Dec 2025 11:20

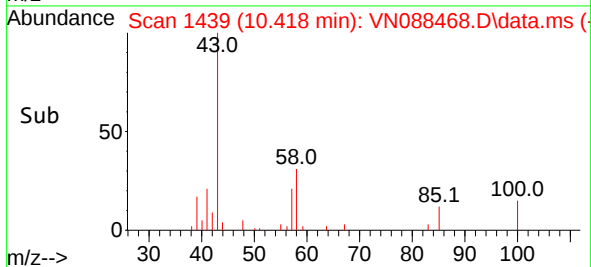
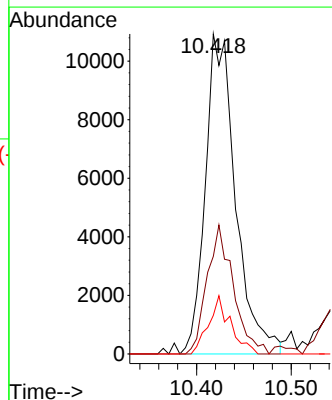
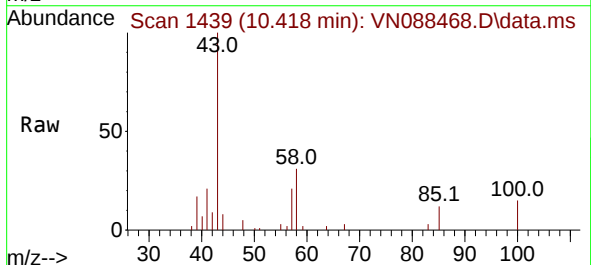
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (Dec)

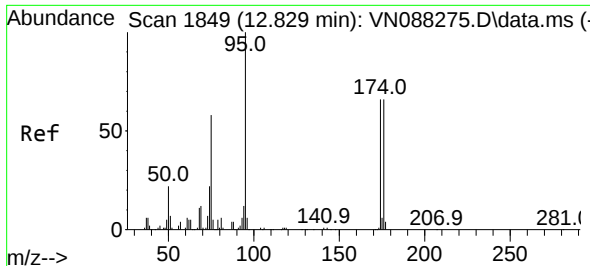
Tgt Ion:117 Resp: 204147
Ion Ratio Lower Upper
117 100
82 61.8 49.3 73.9
119 32.3 26.4 39.6



#58
4-Methyl-2-Pentanone
Concen: 5.259 ug/l
RT: 10.418 min Scan# 1439
Delta R.T. -0.006 min
Lab File: VN088468.D
Acq: 05 Dec 2025 11:20

Tgt Ion: 43 Resp: 24284
Ion Ratio Lower Upper
43 100
58 35.0 29.2 43.8
85 13.2 12.6 19.0

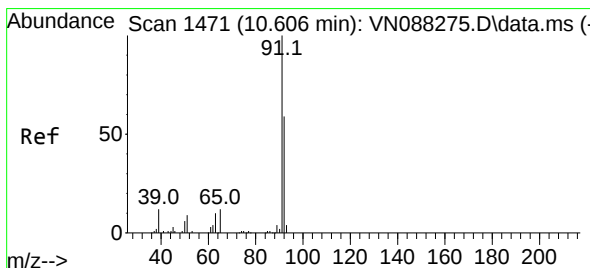
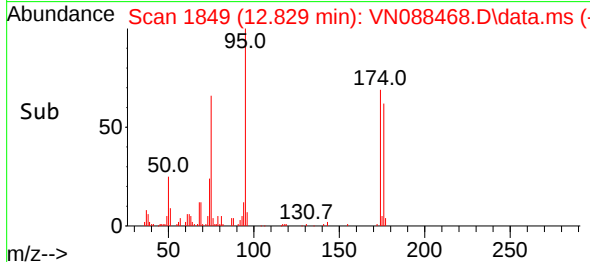
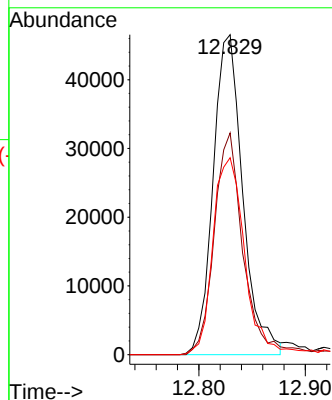
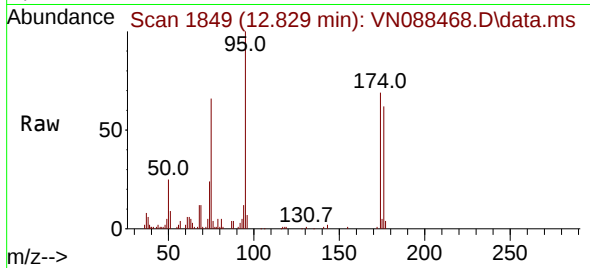




#60
4-Bromofluorobenzene
Concen: 26.098 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN088468.D
Acq: 05 Dec 2025 11:20

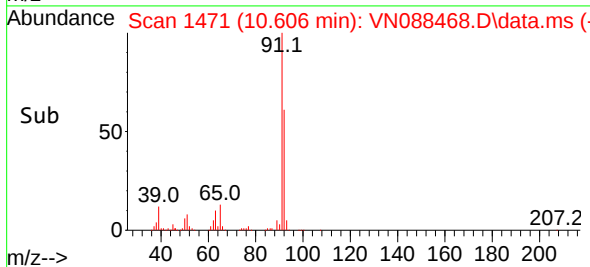
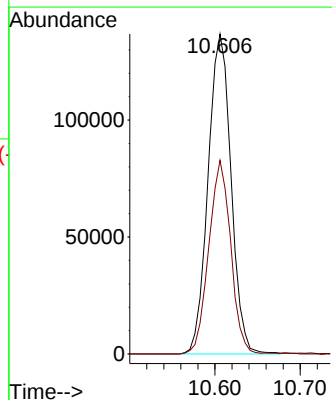
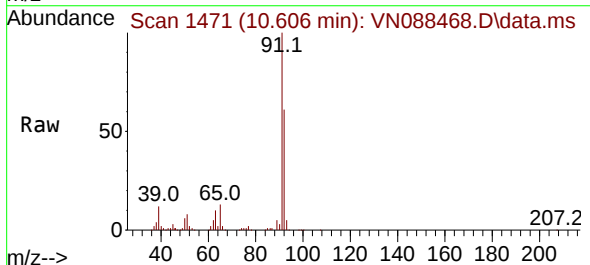
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (Dec)

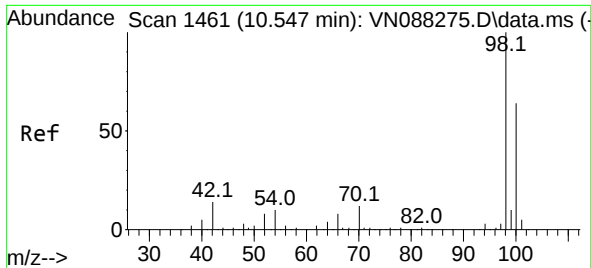
Tgt Ion: 95 Resp: 90065
Ion Ratio Lower Upper
95 100
174 67.7 54.5 81.7
176 64.7 53.8 80.6



#62
Toluene
Concen: 21.887 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VN088468.D
Acq: 05 Dec 2025 11:20

Tgt Ion: 91 Resp: 256407
Ion Ratio Lower Upper
91 100
92 57.6 46.7 70.1

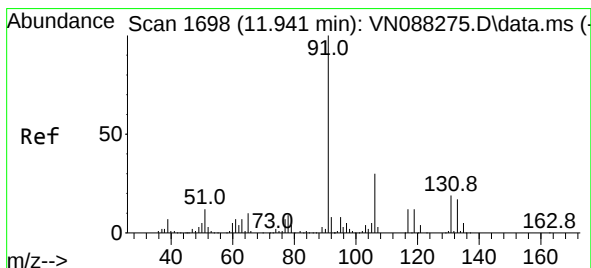
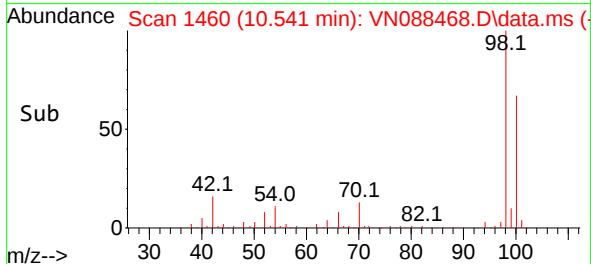
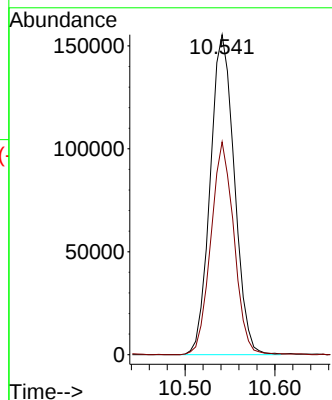
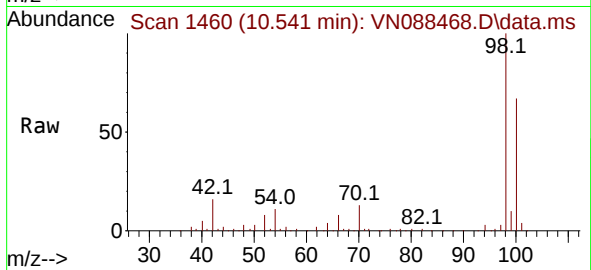




#63
Toluene-d8
Concen: 30.043 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088468.D
Acq: 05 Dec 2025 11:20

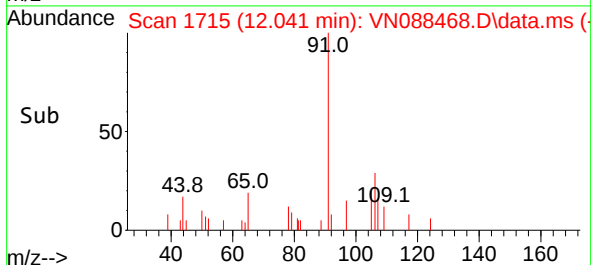
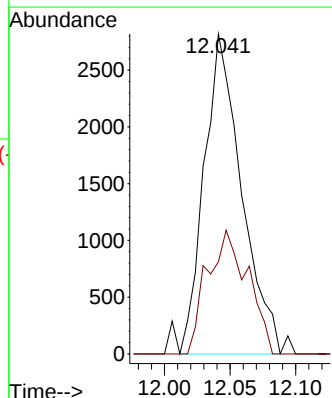
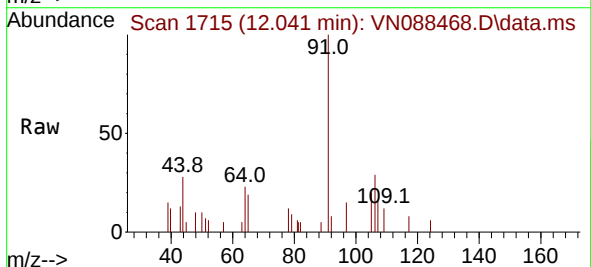
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (Dec)

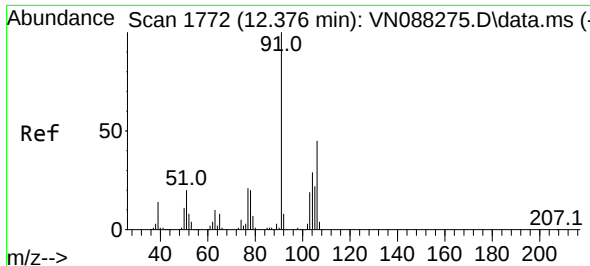
Tgt Ion: 98 Resp: 290372
Ion Ratio Lower Upper
98 100
100 63.6 51.6 77.4



#66
Ethyl Benzene
Concen: 0.433 ug/l
RT: 12.041 min Scan# 1715
Delta R.T. 0.100 min
Lab File: VN088468.D
Acq: 05 Dec 2025 11:20

Tgt Ion: 91 Resp: 5588
Ion Ratio Lower Upper
91 100
106 28.8 24.4 36.6

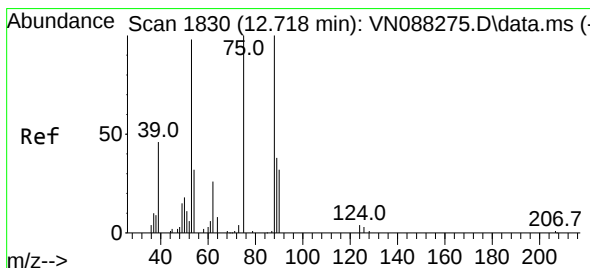
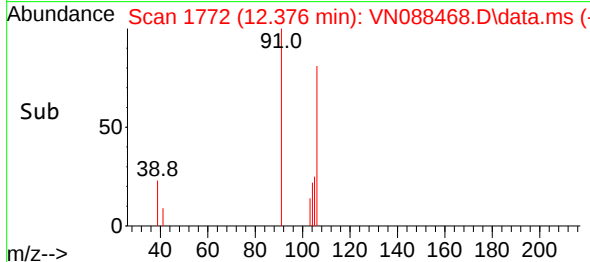
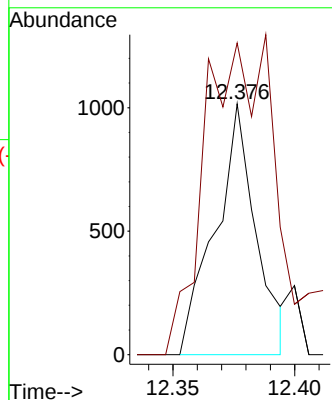
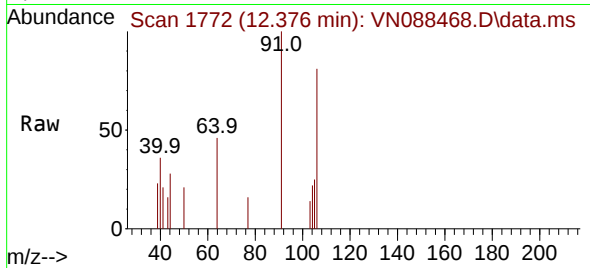




#68
o-Xylene
Concen: 0.260 ug/l
RT: 12.376 min Scan# 1185
Delta R.T. -0.000 min
Lab File: VN088468.D
Acq: 05 Dec 2025 11:20

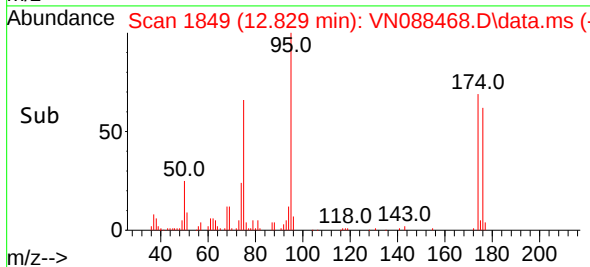
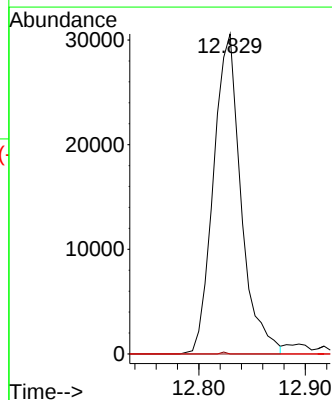
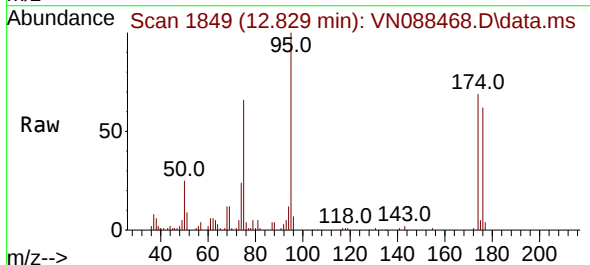
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (Dec)

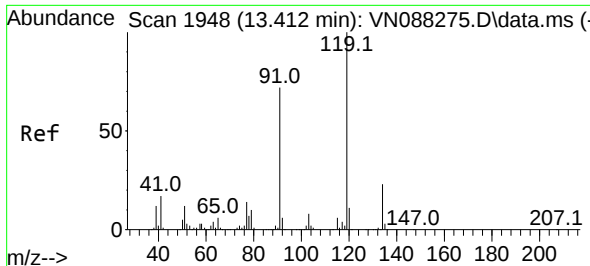
Tgt Ion:106 Resp: 1185
Ion Ratio Lower Upper
106 100
91 148.1 114.0 342.0



#77
t-1,4-Dichloro-2-butene
Concen: 42.223 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088468.D
Acq: 05 Dec 2025 11:20

Tgt Ion: 75 Resp: 54927
Ion Ratio Lower Upper
75 100
53 0.0 50.0 150.0#
89 0.0 22.3 66.9#

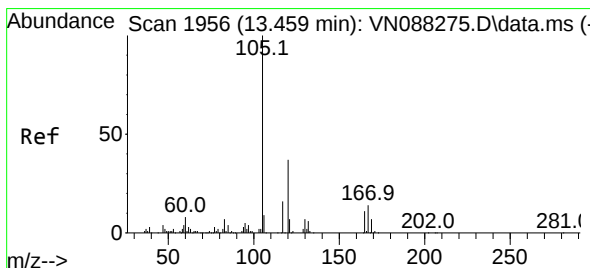
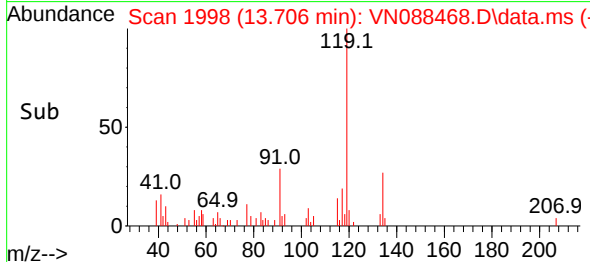
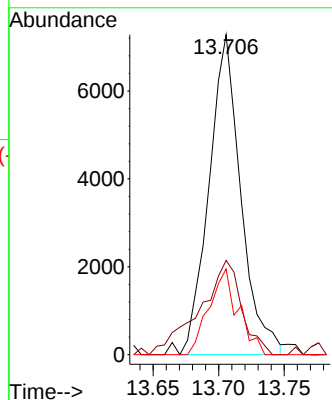
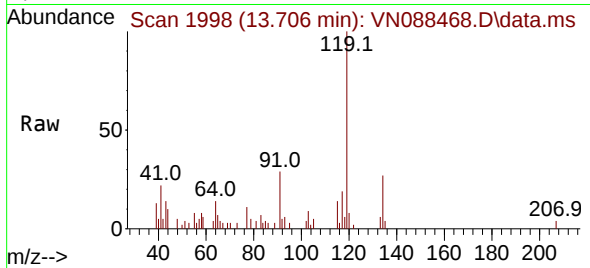




#79
tert-butylbenzene
Concen: 1.419 ug/l
RT: 13.706 min Scan# 1948
Delta R.T. 0.294 min
Lab File: VN088468.D
Acq: 05 Dec 2025 11:20

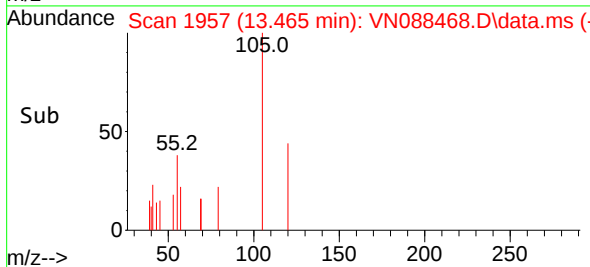
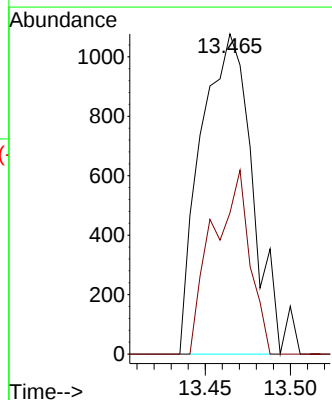
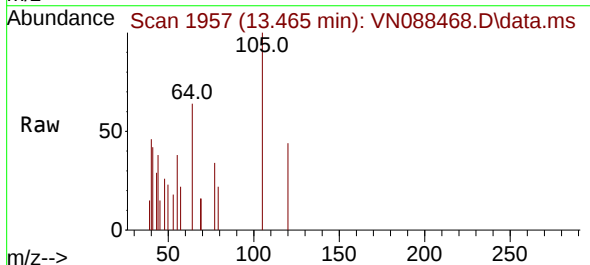
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (Dec)

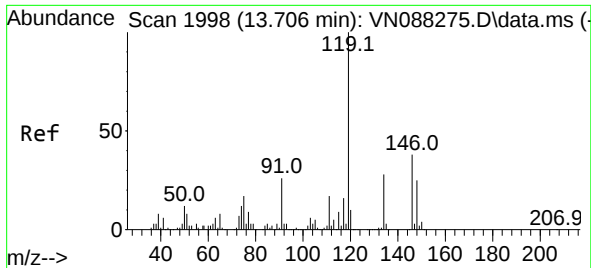
Tgt Ion:119 Resp: 12311
Ion Ratio Lower Upper
119 100
91 38.6 0.0 140.8
134 24.5 0.0 48.4



#80
1,2,4-Trimethylbenzene
Concen: 0.223 ug/l
RT: 13.465 min Scan# 1957
Delta R.T. 0.006 min
Lab File: VN088468.D
Acq: 05 Dec 2025 11:20

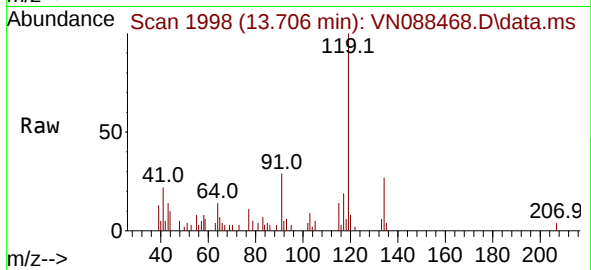
Tgt Ion:105 Resp: 2242
Ion Ratio Lower Upper
105 100
120 24.6 0.0 89.2





#82
 p-Isopropyltoluene
 Concen: 1.177 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: VN088468.D
 Acq: 05 Dec 2025 11:20

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



Tgt Ion:	119	Resp:	12311
Ion	Ratio	Lower	Upper
119	100		
134	24.5	0.0	51.2
91	38.6	0.0	53.4

