

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080625\
 Data File : VN087475.D
 Acq On : 06 Aug 2025 12:35
 Operator : JC\MD
 Sample : Q2769-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE(AUG)

Quant Time: Aug 07 03:36:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 06 02:01:21 2025
 Response via : Initial Calibration

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

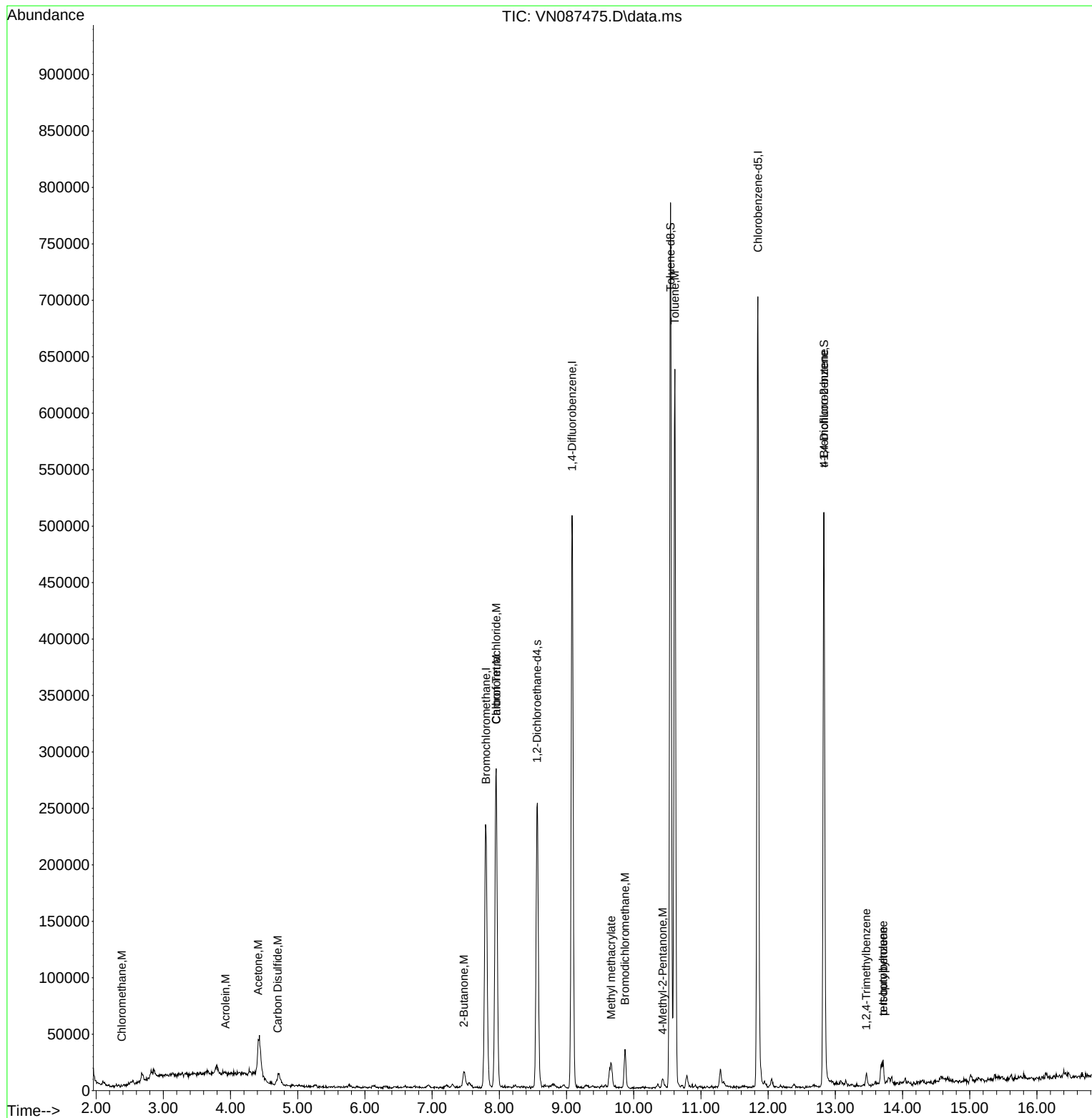
Internal Standards						
1) Bromochloromethane	7.800	128	76097	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	421418	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	373245	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	220626	31.434	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.767%
60) 4-Bromofluorobenzene	12.829	95	176010	27.402	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.333%
63) Toluene-d8	10.547	98	511863	29.805	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.333%
Target Compounds						
					Qvalue	
3) Chloromethane	2.383	50	1055	0.207	ug/l #	42
13) Acrolein	3.924	56	245	0.209	ug/l	95
15) Acetone	4.412	58	7874	8.206	ug/l	86
16) Carbon Disulfide	4.700	76	4196	0.325	ug/l #	94
25) Chloroform	7.953	83	262472	25.137	ug/l	98
30) 2-Butanone	7.471	43	24159	4.768	ug/l #	76
33) Carbon Tetrachloride	7.953	117	2939	0.404	ug/l	88
41) Bromodichloromethane	9.871	83	21680	2.500	ug/l	94
46) Methyl methacrylate	9.665	41	14920	1.905	ug/l	84
58) 4-Methyl-2-Pentanone	10.430	43	5798	0.604	ug/l #	94
62) Toluene	10.612	91	462521	20.078	ug/l	99
77) t-1,4-Dichloro-2-butene	12.829	75	108274	38.039	ug/l #	3
79) tert-butylbenzene	13.712	119	8884	0.522	ug/l	64
80) 1,2,4-Trimethylbenzene	13.459	105	5782	0.287	ug/l	90
82) p-Isopropyltoluene	13.712	119	8884	0.432	ug/l	92

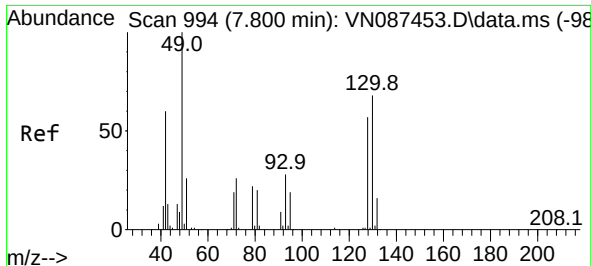
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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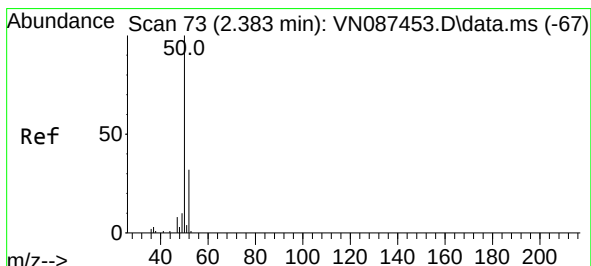
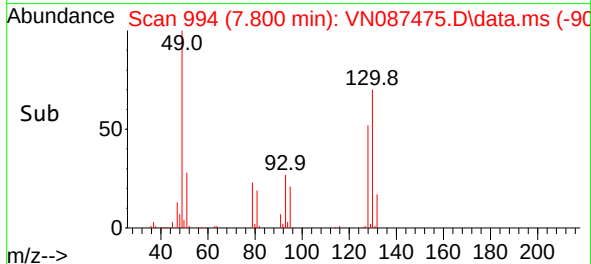
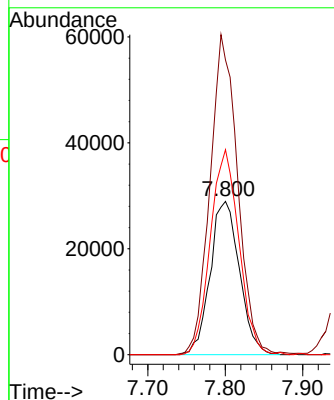
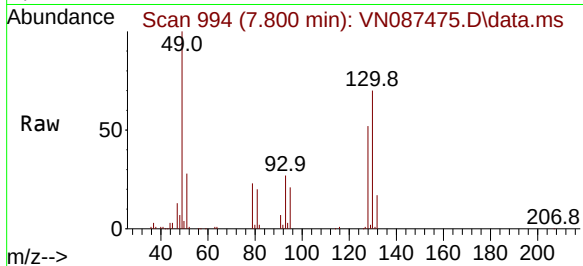




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

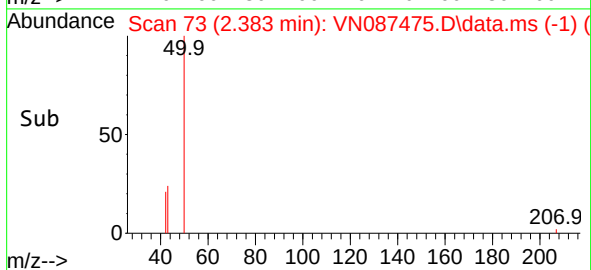
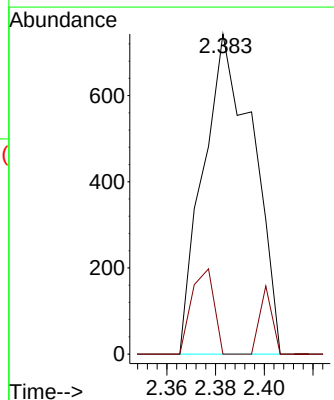
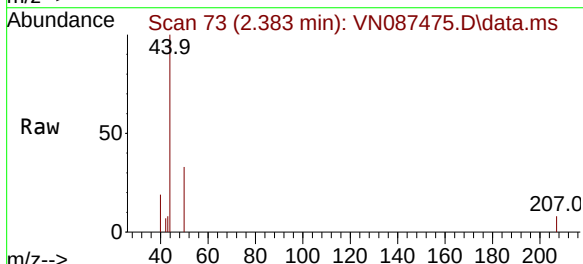
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(AUG)

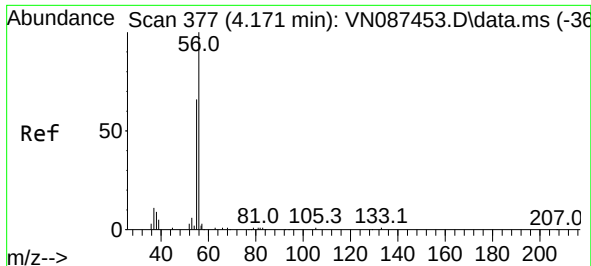
Tgt Ion:128 Resp: 76097
Ion Ratio Lower Upper
128 100
49 196.6 0.0 494.8
130 130.1 0.0 321.5



#3
Chloromethane
Concen: 0.207 ug/l
RT: 2.383 min Scan# 73
Delta R.T. 0.000 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

Tgt Ion: 50 Resp: 1055
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

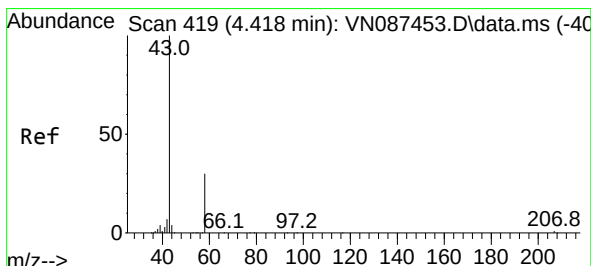
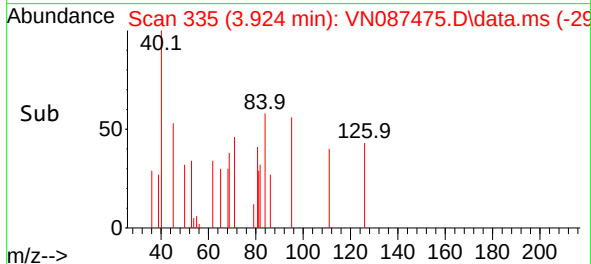
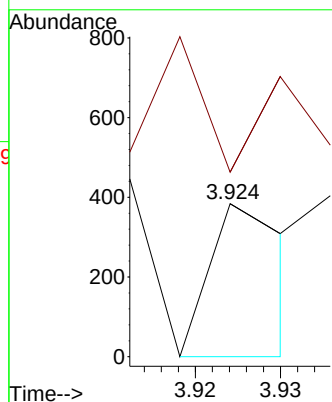
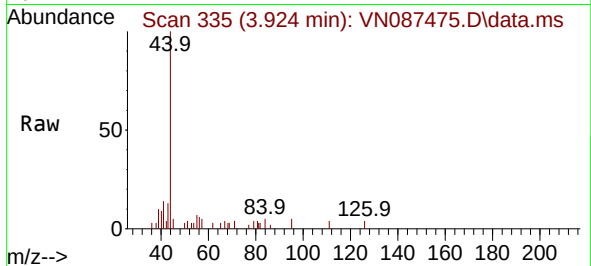




#13
Acrolein
Concen: 0.209 ug/l
RT: 3.924 min Scan# 31
Delta R.T. -0.247 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

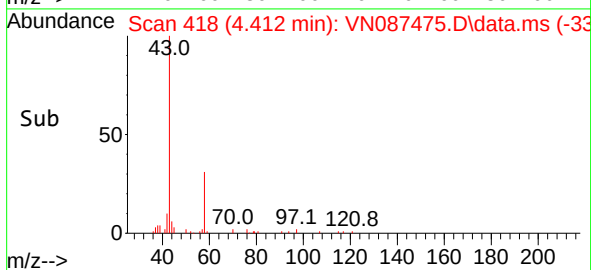
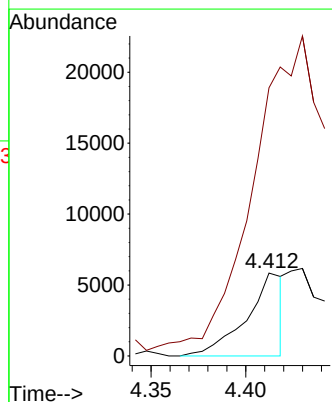
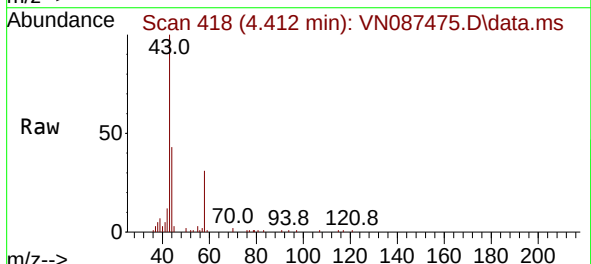
Instrument :
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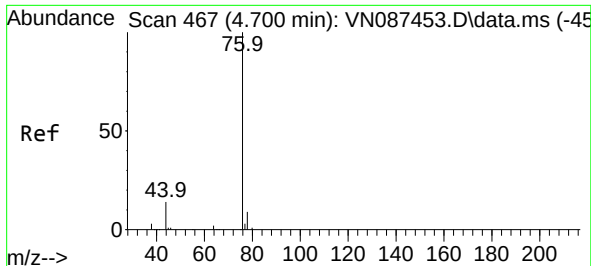
Tgt Ion: 56 Resp: 245
Ion Ratio Lower Upper
56 100
55 67.3 57.4 86.0



#15
Acetone
Concen: 8.206 ug/l
RT: 4.412 min Scan# 418
Delta R.T. -0.006 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

Tgt Ion: 58 Resp: 7874
Ion Ratio Lower Upper
58 100
43 306.1 268.9 403.3

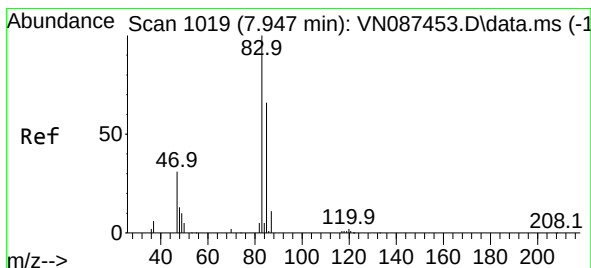
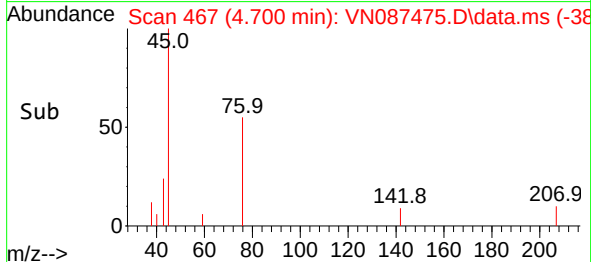
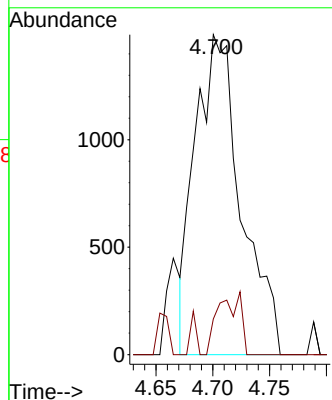
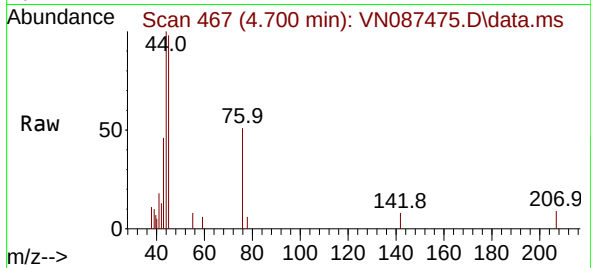




#16
Carbon Disulfide
Concen: 0.325 ug/l
RT: 4.700 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

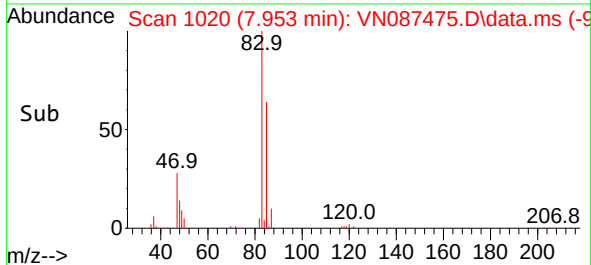
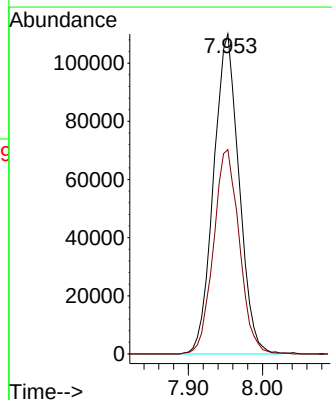
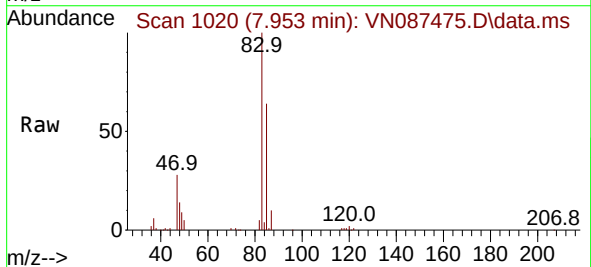
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(AUG)

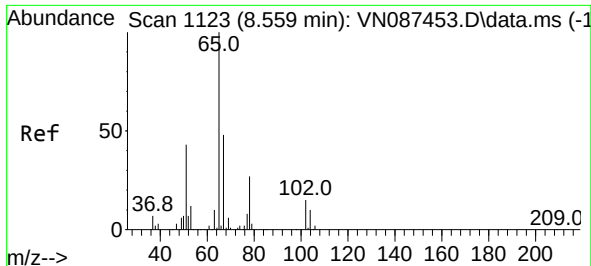
Tgt Ion: 76 Resp: 4196
Ion Ratio Lower Upper
76 100
78 11.1 7.1 10.7#



#25
Chloroform
Concen: 25.137 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

Tgt Ion: 83 Resp: 262472
Ion Ratio Lower Upper
83 100
85 63.9 52.6 78.8

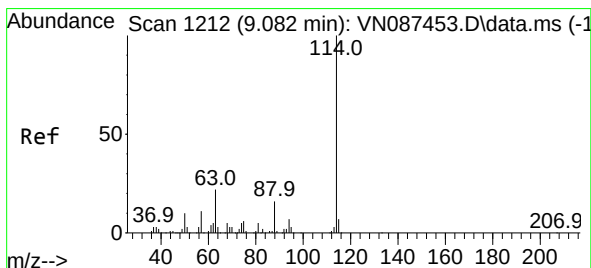
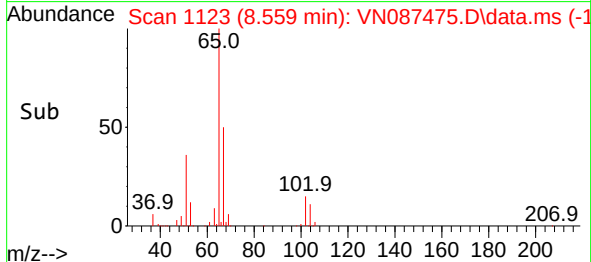
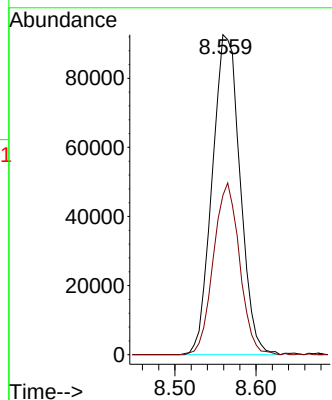
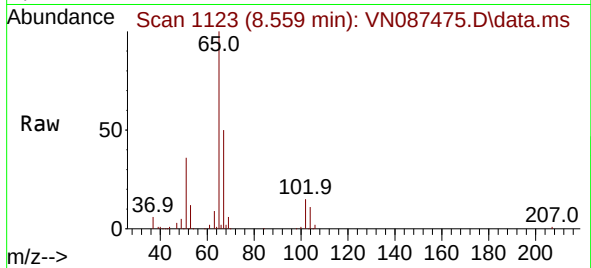




#27
 1,2-Dichloroethane-d4
 Concen: 31.434 ug/l
 RT: 8.559 min Scan# 1123
 Delta R.T. 0.000 min
 Lab File: VN087475.D
 Acq: 06 Aug 2025 12:35

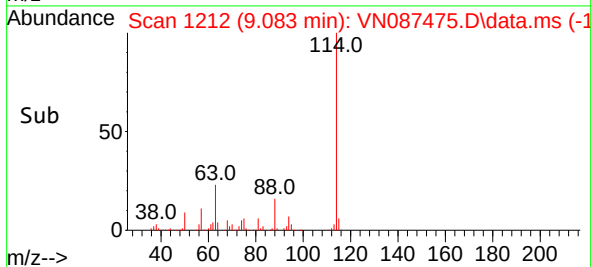
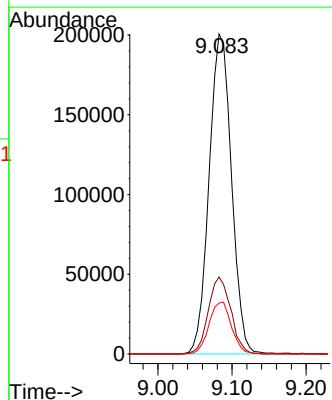
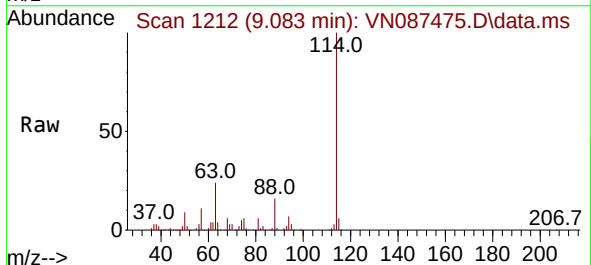
Instrument :
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 ClientSampleId :
 002-35TH-AVE(AUG)

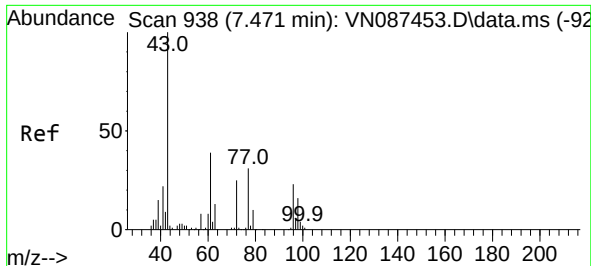
Tgt Ion: 65 Resp: 220626
 Ion Ratio Lower Upper
 65 100
 67 50.3 40.8 61.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.083 min Scan# 1212
 Delta R.T. 0.000 min
 Lab File: VN087475.D
 Acq: 06 Aug 2025 12:35

Tgt Ion: 114 Resp: 421418
 Ion Ratio Lower Upper
 114 100
 63 24.1 18.9 28.3
 88 16.2 13.1 19.7

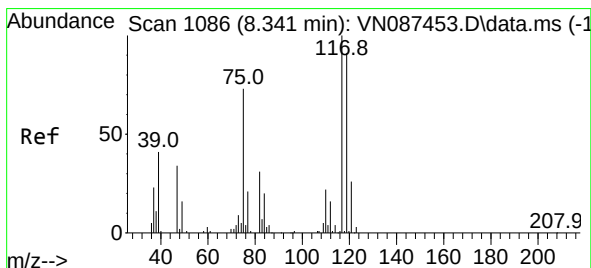
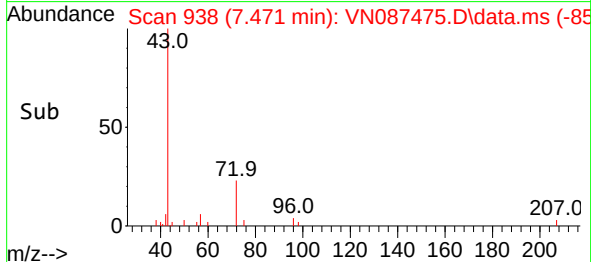
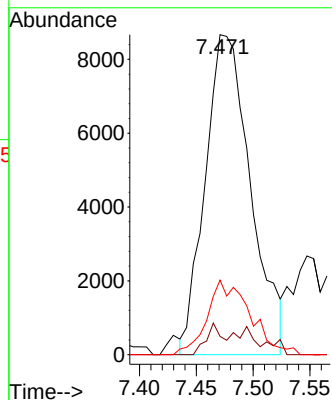
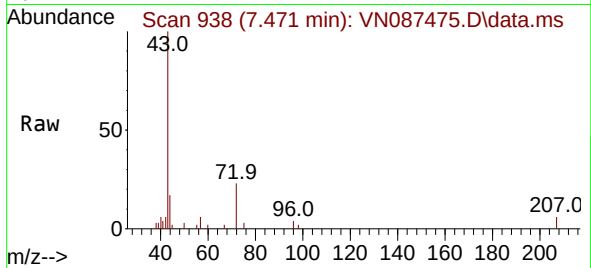




#30
2-Butanone
Concen: 4.768 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

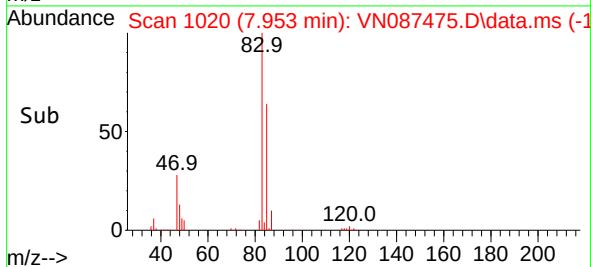
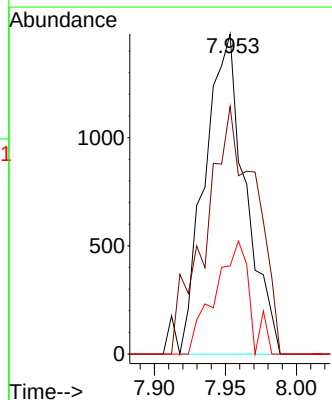
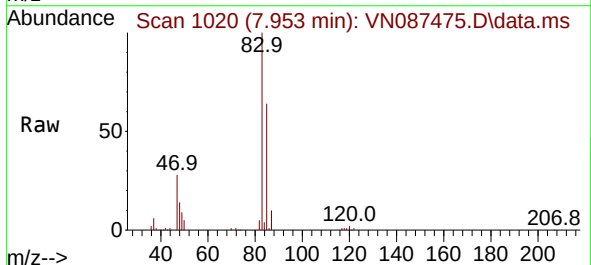
Instrument :
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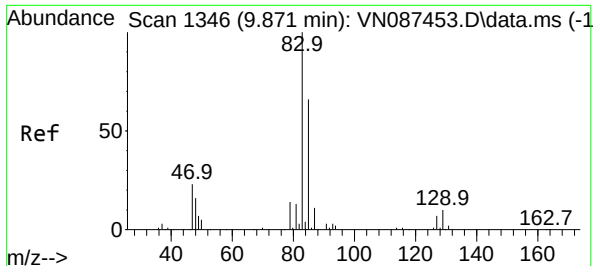
Tgt Ion: 43 Resp: 24159
Ion Ratio Lower Upper
43 100
57 3.5 6.6 9.8#
72 10.7 19.7 29.5#



#33
Carbon Tetrachloride
Concen: 0.404 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. -0.388 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

Tgt Ion: 117 Resp: 2939
Ion Ratio Lower Upper
117 100
119 77.3 73.4 110.0
121 27.5 21.1 31.7

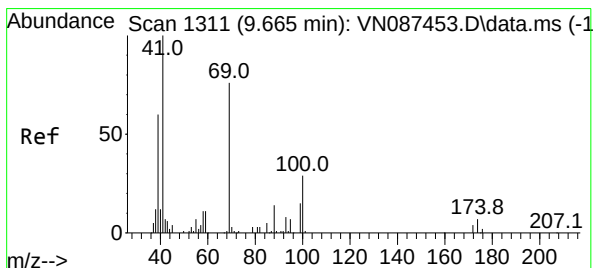
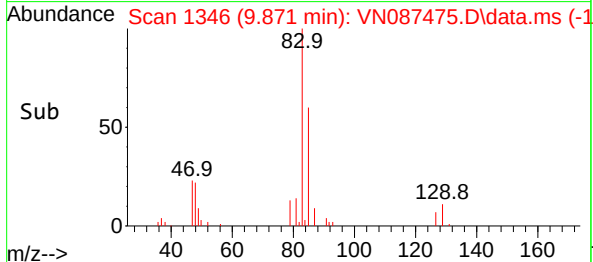
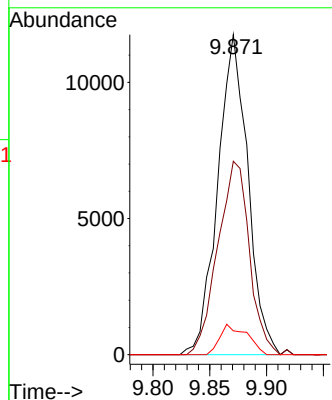
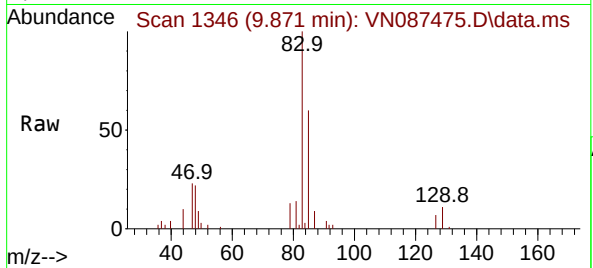




#41
Bromodichloromethane
Concen: 2.500 ug/l
RT: 9.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

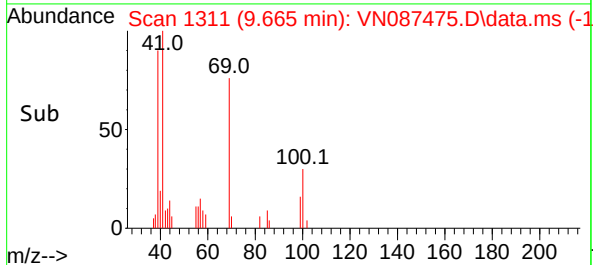
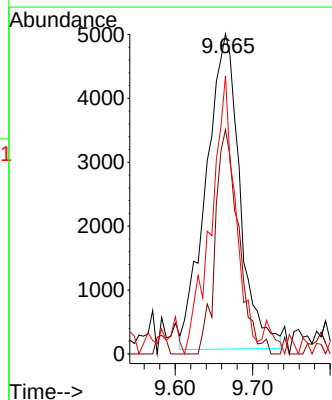
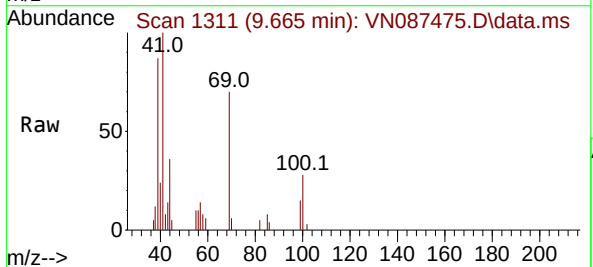
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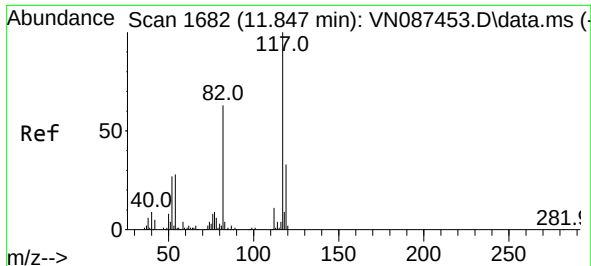
Tgt Ion: 83 Resp: 21680
Ion Ratio Lower Upper
83 100
85 60.5 52.9 79.3
127 7.4 5.8 8.6



#46
Methyl methacrylate
Concen: 1.905 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

Tgt Ion: 41 Resp: 14920
Ion Ratio Lower Upper
41 100
69 74.3 37.1 111.5
39 88.1 30.7 92.1

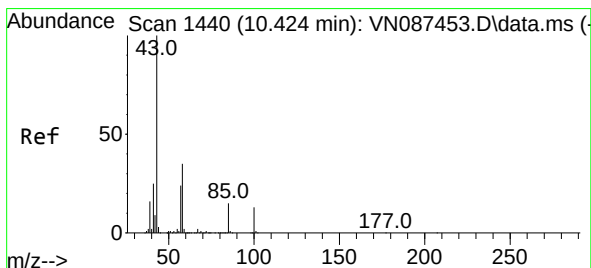
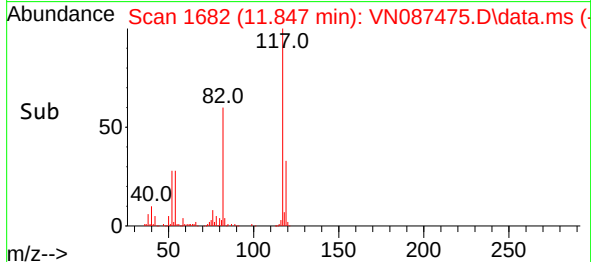
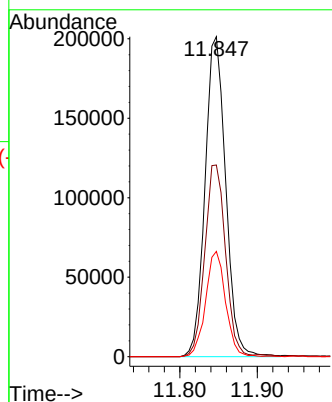
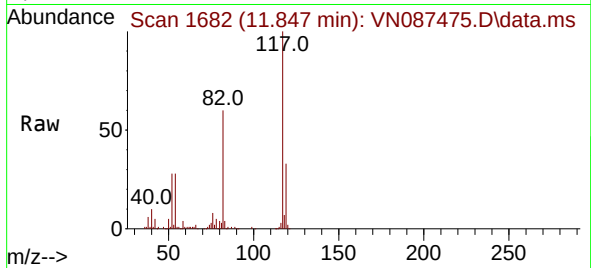




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1182
Delta R.T. 0.000 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

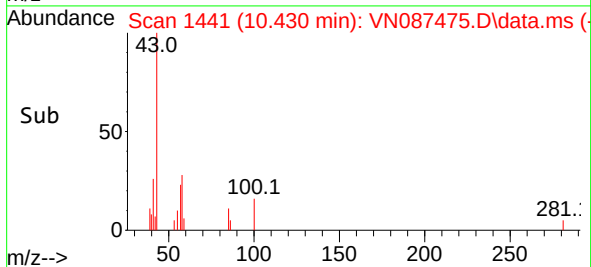
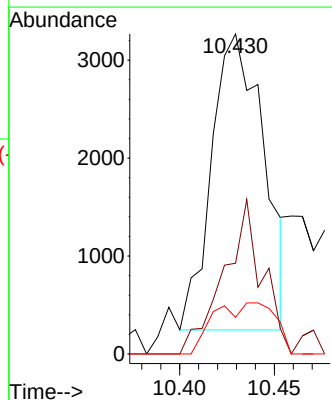
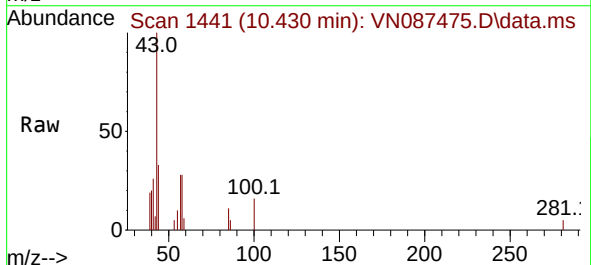
Instrument :
MSVOA_N
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002-35TH-AVE(AUG)

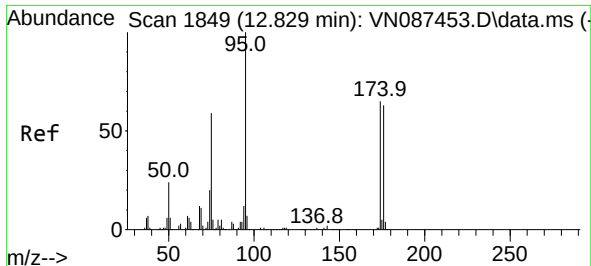
Tgt Ion:	117	Resp:	373245
Ion	Ratio	Lower	Upper
117	100		
82	60.0	49.2	73.8
119	31.7	25.7	38.5



#58
4-Methyl-2-Pentanone
Concen: 0.604 ug/l
RT: 10.430 min Scan# 1441
Delta R.T. 0.006 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

Tgt Ion:	43	Resp:	5798
Ion	Ratio	Lower	Upper
43	100		
58	38.4	29.0	43.6
85	11.2	12.7	19.1

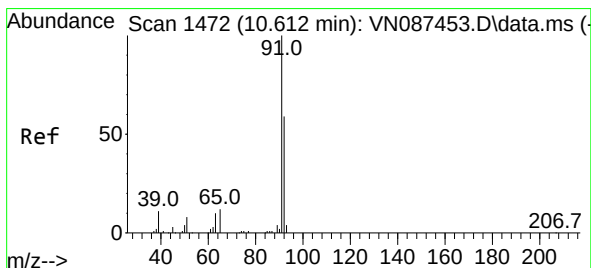
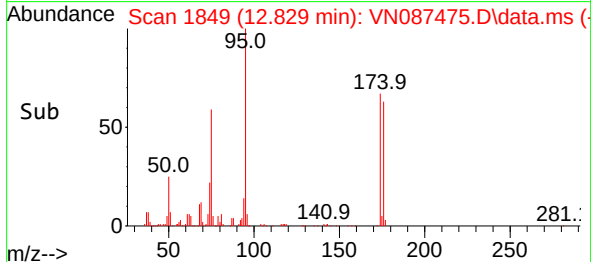
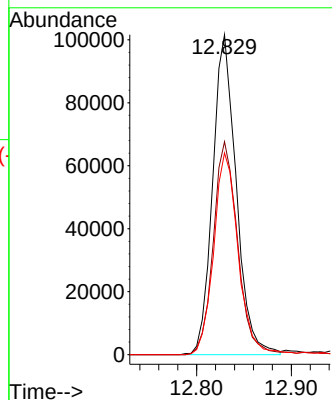
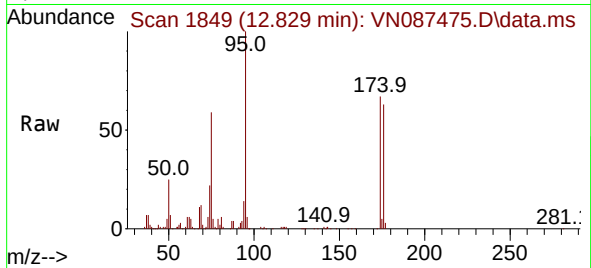




#60
4-Bromofluorobenzene
Concen: 27.402 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

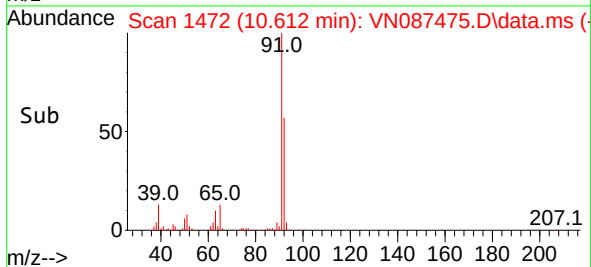
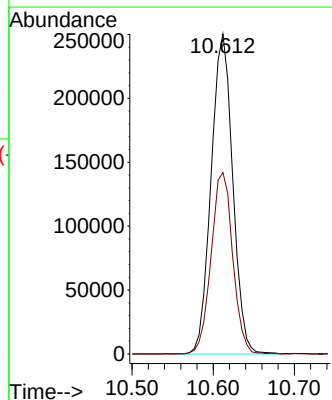
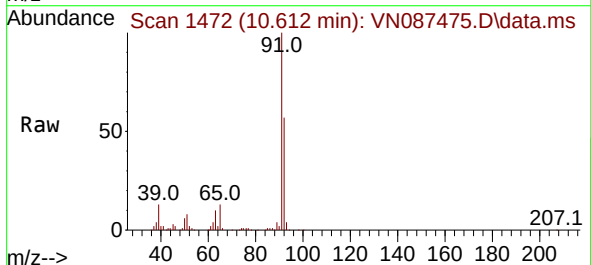
Instrument :
MSVOA_N
ClientSampleId :
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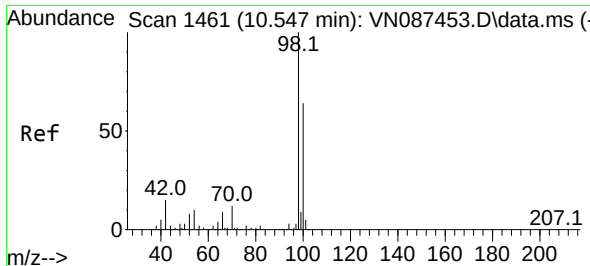
Tgt Ion: 95 Resp: 176010
Ion Ratio Lower Upper
95 100
174 68.8 52.3 78.5
176 65.6 49.8 74.8



#62
Toluene
Concen: 20.078 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

Tgt Ion: 91 Resp: 462521
Ion Ratio Lower Upper
91 100
92 56.6 45.8 68.6

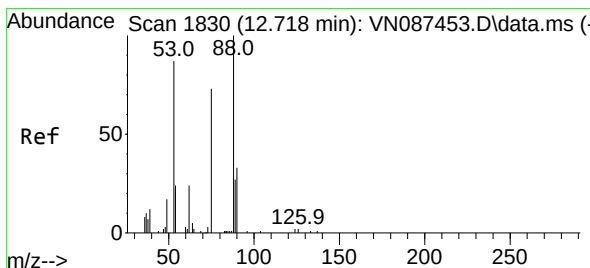
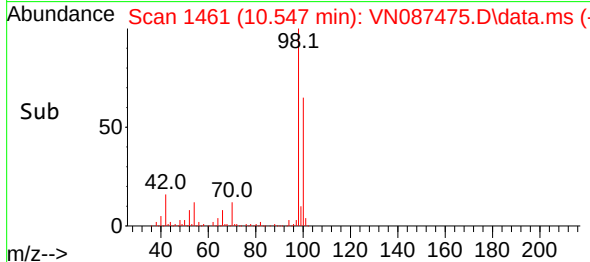
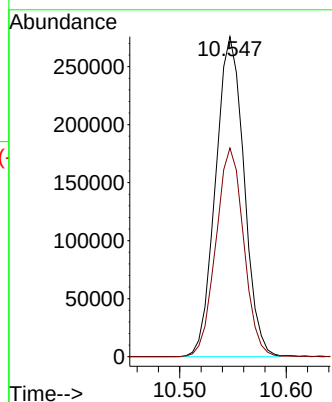
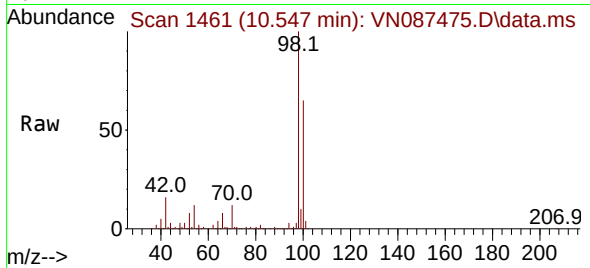




#63
Toluene-d8
Concen: 29.805 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

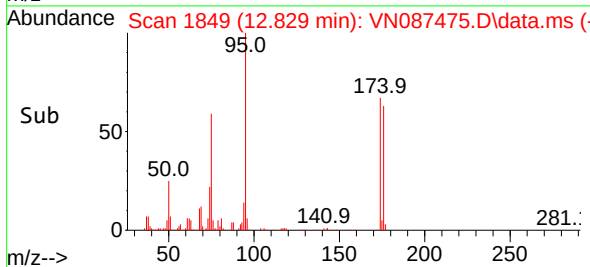
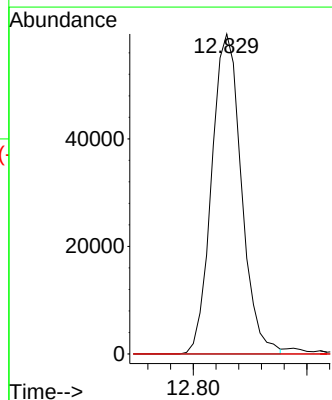
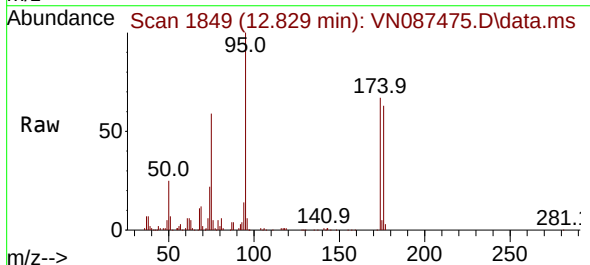
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(AUG)

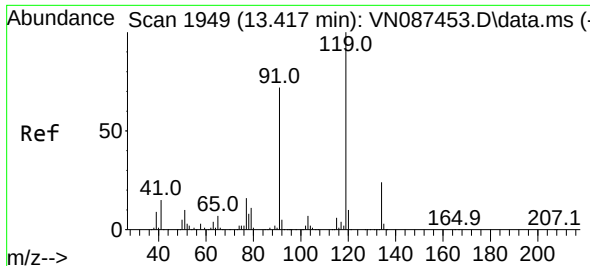
Tgt Ion: 98 Resp: 511863
Ion Ratio Lower Upper
98 100
100 63.8 50.5 75.7



#77
t-1,4-Dichloro-2-butene
Concen: 38.039 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

Tgt Ion: 75 Resp: 108274
Ion Ratio Lower Upper
75 100
53 0.0 59.0 176.8#
89 0.0 22.1 66.5#

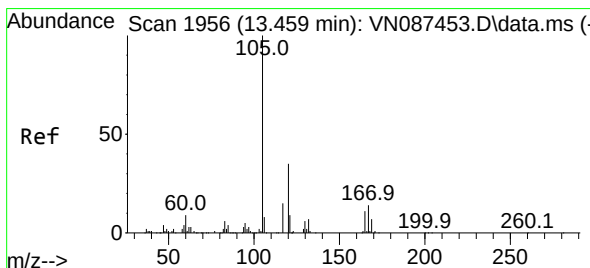
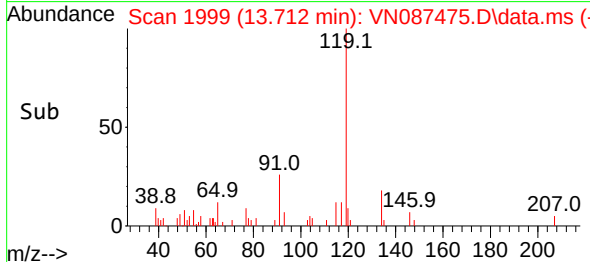
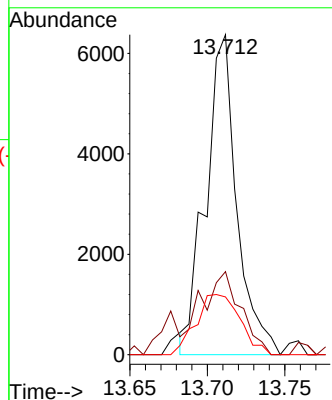
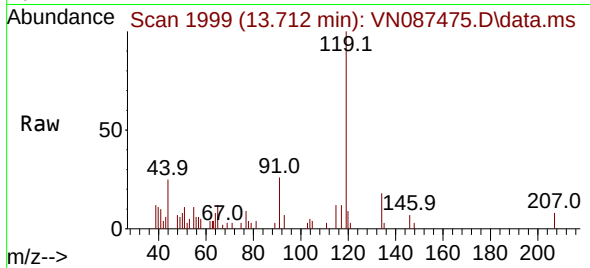




#79
tert-butylbenzene
Concen: 0.522 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. 0.294 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

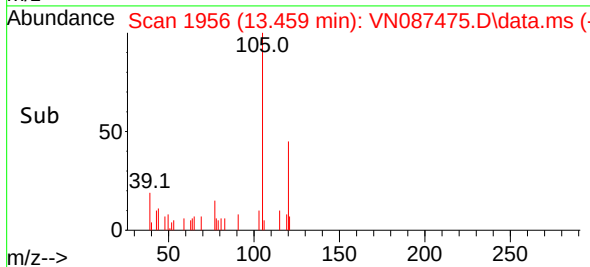
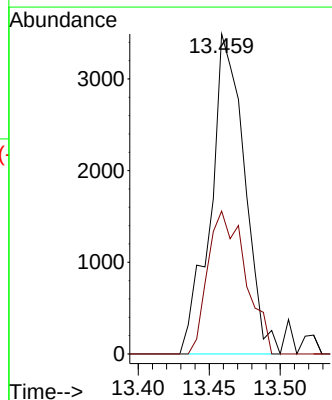
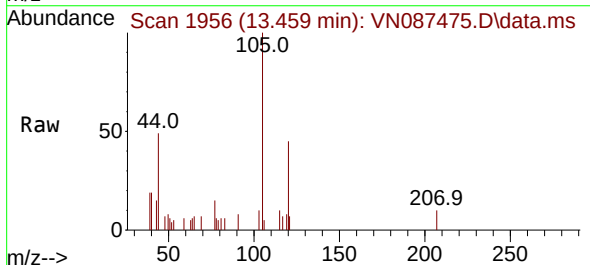
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(AUG)

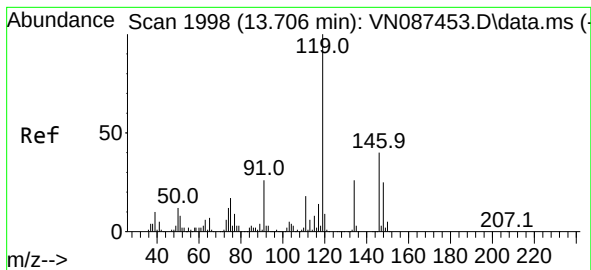
Tgt Ion:119 Resp: 8884
Ion Ratio Lower Upper
119 100
91 33.1 0.0 141.6
134 26.6 0.0 45.6



#80
1,2,4-Trimethylbenzene
Concen: 0.287 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN087475.D
Acq: 06 Aug 2025 12:35

Tgt Ion:105 Resp: 5782
Ion Ratio Lower Upper
105 100
120 49.9 0.0 87.2





#82

p-Isopropyltoluene

Concen: 0.432 ug/l

RT: 13.712 min Scan# 1999

Delta R.T. 0.006 min

Lab File: VN087475.D

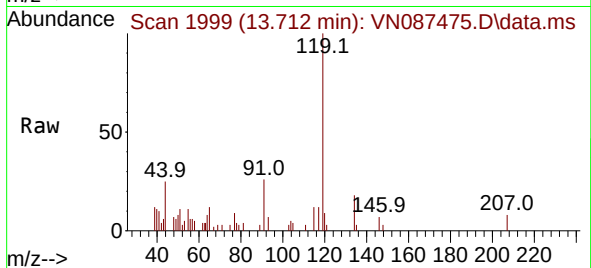
Acq: 06 Aug 2025 12:35

Instrument :

MSVOA_N

ClientSampleId :

002-35TH-AVE(AUG)



Tgt Ion:119 Resp: 8884

Ion Ratio Lower Upper

119 100

134 26.6 0.0 51.4

91 33.1 0.0 52.0

