

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050725\
 Data File : VN086533.D
 Acq On : 07 May 2025 13:44
 Operator : JC\MD
 Sample : Q1949-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: May 08 03:25:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 24 04:42:24 2025
 Response via : Initial Calibration

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

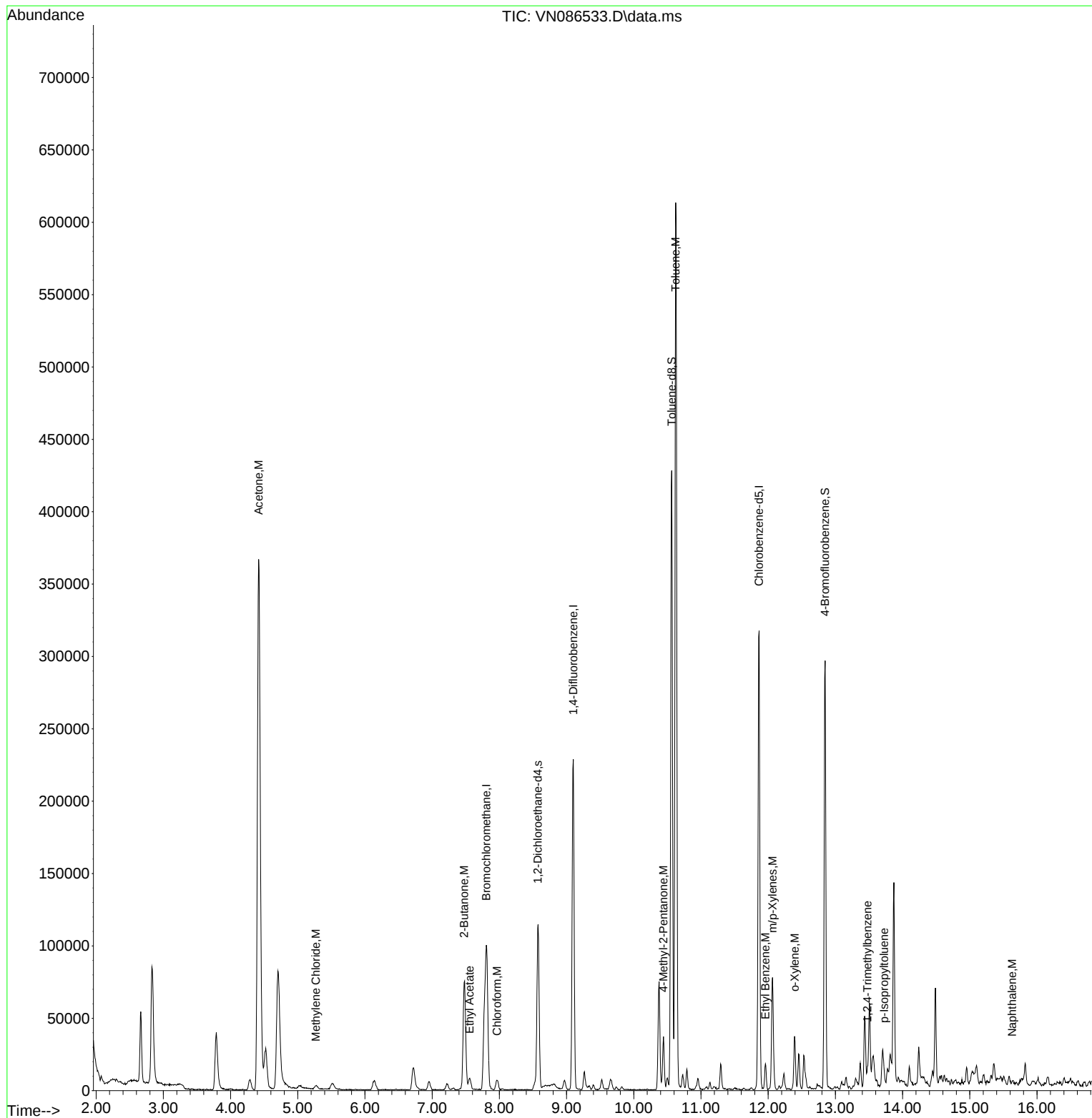
Internal Standards						
1) Bromochloromethane	7.806	128	35173	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	208940	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	197341	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	98340	28.999	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.667%		
60) 4-Bromofluorobenzene	12.847	95	107374	27.684	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	92.267%		
63) Toluene-d8	10.565	98	308732	28.437	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	94.800%		
Target Compounds						
					Qvalue	
15) Acetone	4.418	58	221004	619.605	ug/l	97
18) Methylene Chloride	5.271	84	2276	0.814	ug/l #	83
25) Chloroform	7.965	83	6337	1.226	ug/l	94
30) 2-Butanone	7.477	43	122390	68.457	ug/l	97
43) Ethyl Acetate	7.559	43	11914	3.367	ug/l #	84
58) 4-Methyl-2-Pentanone	10.441	43	23574	6.173	ug/l	97
62) Toluene	10.623	91	482611	36.536	ug/l	99
66) Ethyl Benzene	11.959	91	13924	0.936	ug/l	93
67) m/p-Xylenes	12.065	106	24037	4.261	ug/l	98
68) o-Xylene	12.394	106	10645	1.927	ug/l	92
80) 1,2,4-Trimethylbenzene	13.476	105	9849	0.852	ug/l	83
82) p-Isopropyltoluene	13.723	119	5326	0.460	ug/l	81
91) Naphthalene	15.629	128	3965	0.426	ug/l #	87

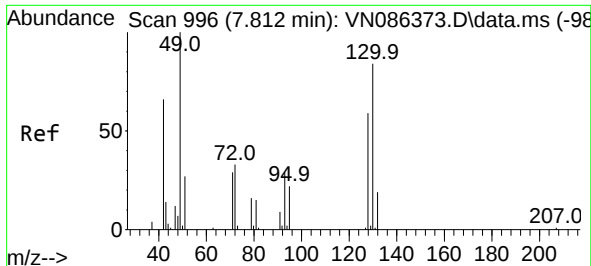
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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002-35TH-AVE(MAY)

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042325W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 24 04:42:24 2025
Response via : Initial Calibration

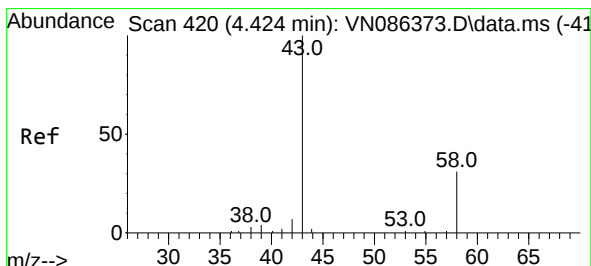
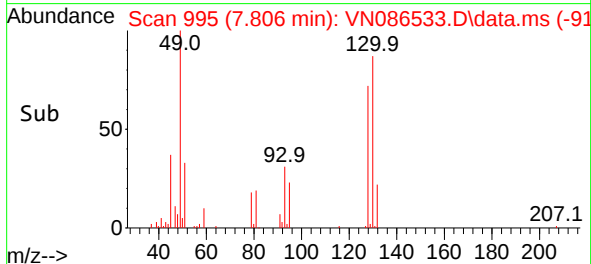
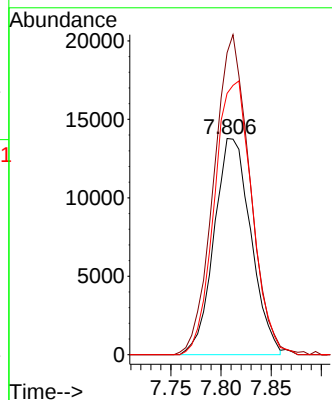
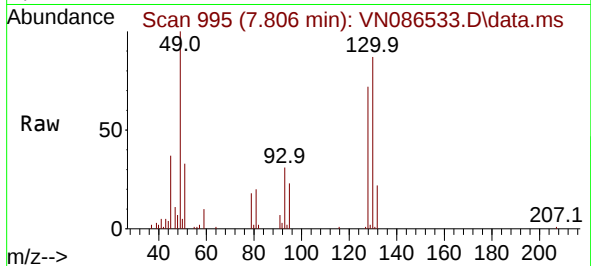




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN086533.D
Acq: 07 May 2025 13:44

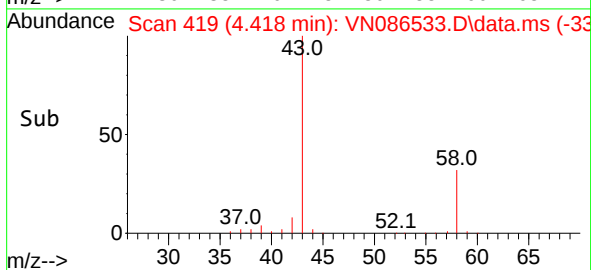
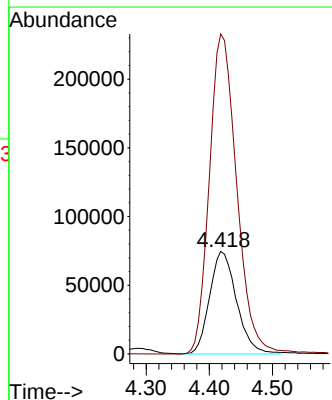
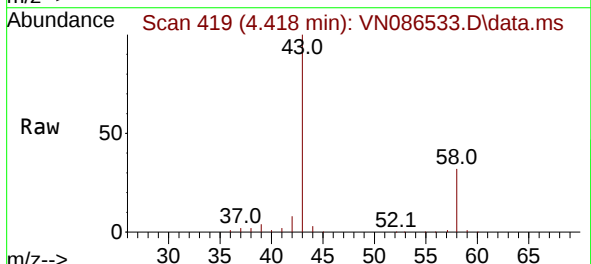
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAY)

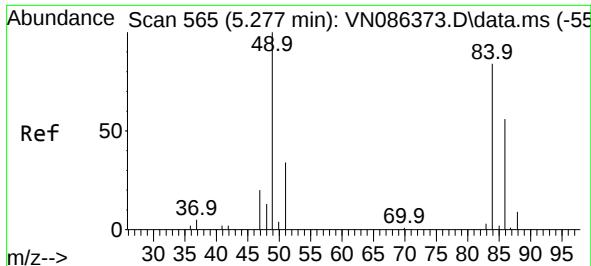
Tgt Ion:128 Resp: 35173
Ion Ratio Lower Upper
128 100
49 145.4 0.0 433.8
130 129.7 0.0 325.0



#15
Acetone
Concen: 619.605 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN086533.D
Acq: 07 May 2025 13:44

Tgt Ion: 58 Resp: 221004
Ion Ratio Lower Upper
58 100
43 312.1 255.1 382.7

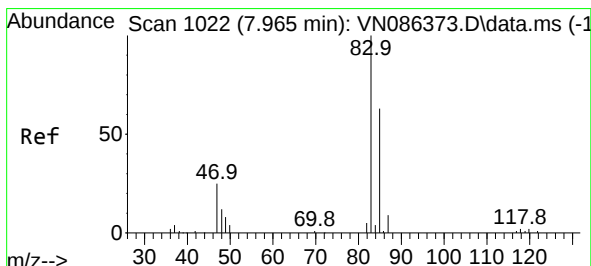
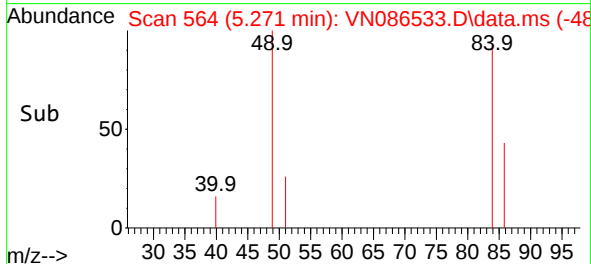
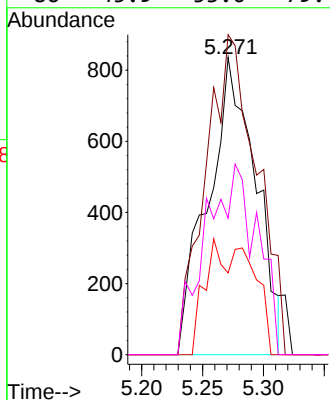
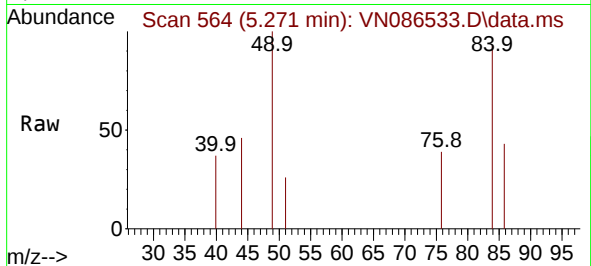




#18
Methylene Chloride
Concen: 0.814 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN086533.D
Acq: 07 May 2025 13:44

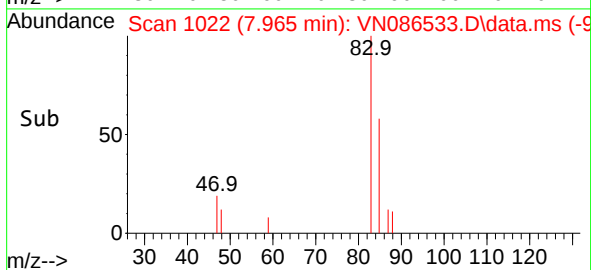
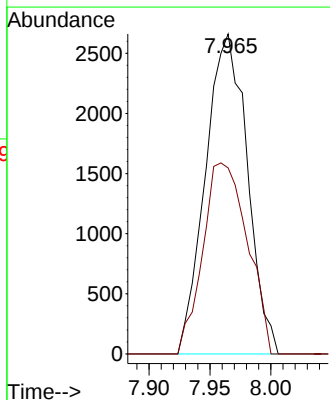
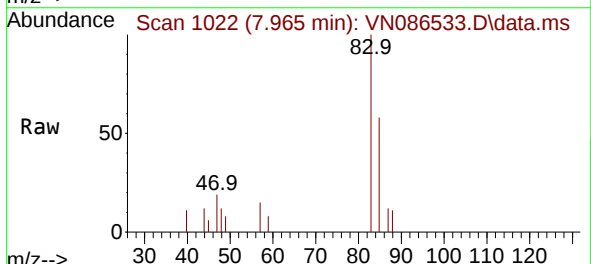
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAY)

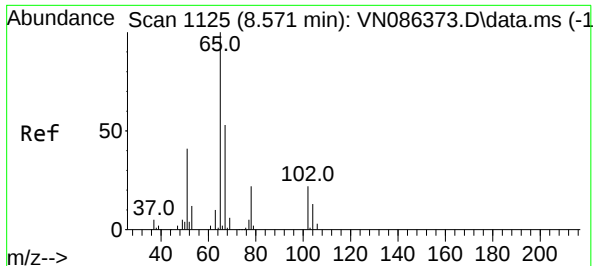
Tgt Ion: 84	Resp: 2276
Ion Ratio	Lower Upper
84 100	
49 107.7	95.4 143.0
51 27.5	32.8 49.2#
86 45.9	53.0 79.4#



#25
Chloroform
Concen: 1.226 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN086533.D
Acq: 07 May 2025 13:44

Tgt Ion: 83	Resp: 6337
Ion Ratio	Lower Upper
83 100	
85 58.2	50.2 75.2

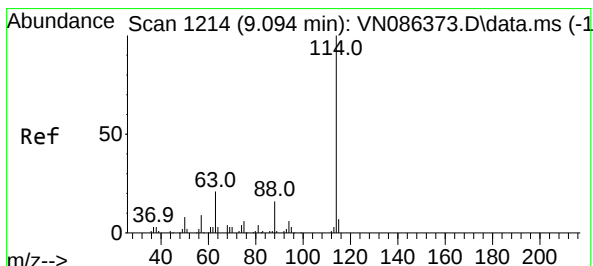
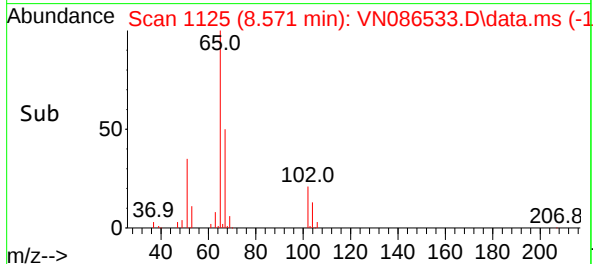
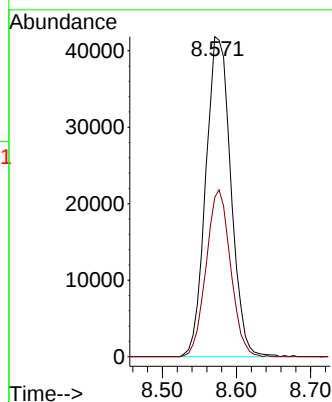
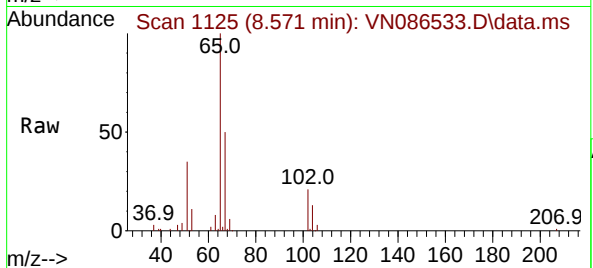




#27
1,2-Dichloroethane-d4
Concen: 28.999 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.000 min
Lab File: VN086533.D
Acq: 07 May 2025 13:44

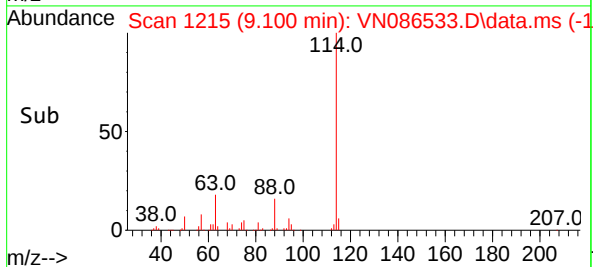
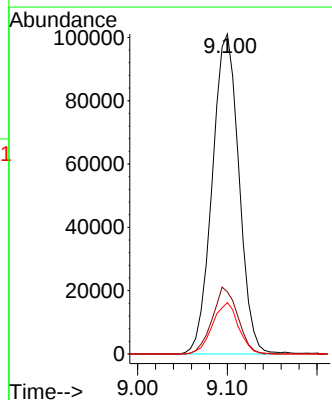
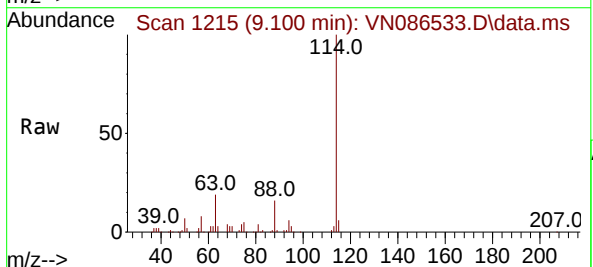
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAY)

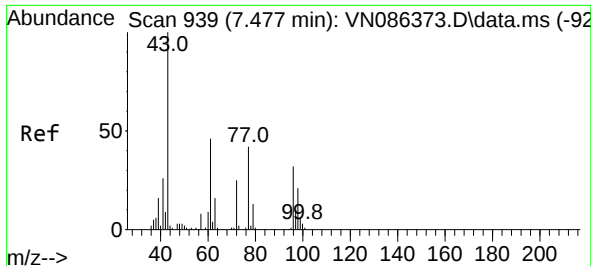
Tgt Ion: 65 Resp: 98340
Ion Ratio Lower Upper
65 100
67 50.7 42.5 63.7



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN086533.D
Acq: 07 May 2025 13:44

Tgt Ion:114 Resp: 208940
Ion Ratio Lower Upper
114 100
63 19.8 16.7 25.1
88 15.6 12.6 19.0

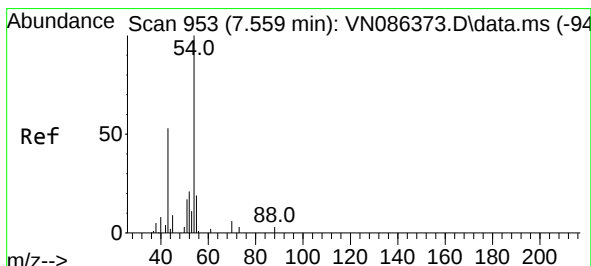
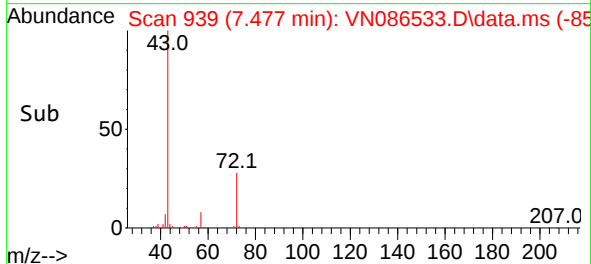
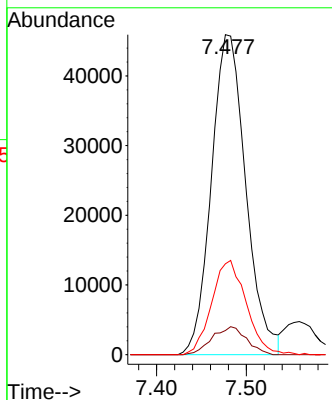
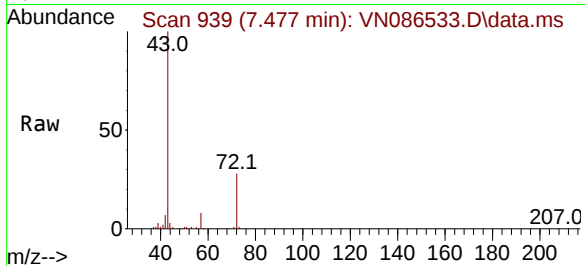




#30
2-Butanone
Concen: 68.457 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN086533.D
Acq: 07 May 2025 13:44

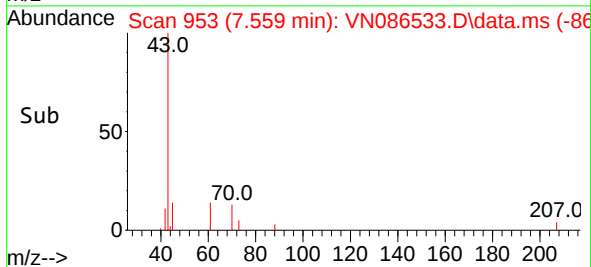
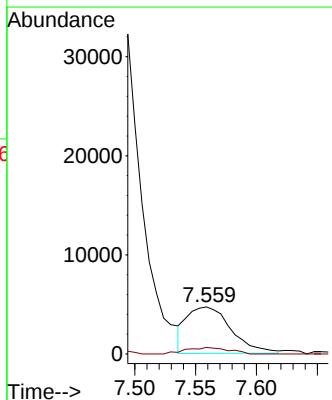
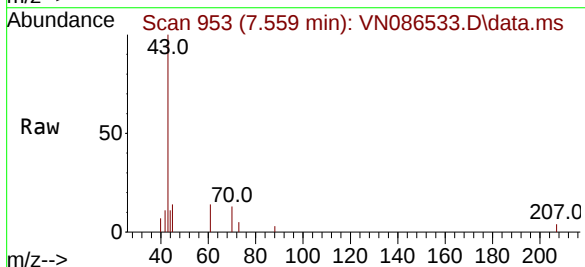
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAY)

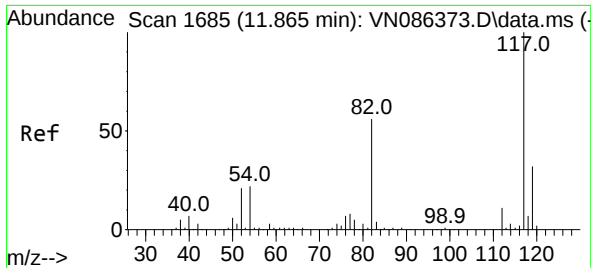
Tgt Ion: 43 Resp: 122390
Ion Ratio Lower Upper
43 100
57 8.7 6.6 10.0
72 29.4 22.2 33.4



#43
Ethyl Acetate
Concen: 3.367 ug/l
RT: 7.559 min Scan# 953
Delta R.T. -0.000 min
Lab File: VN086533.D
Acq: 07 May 2025 13:44

Tgt Ion: 43 Resp: 11914
Ion Ratio Lower Upper
43 100
45 7.9 11.4 17.2#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086533.D

Acq: 07 May 2025 13:44

Instrument :

MSVOA_N

ClientSampleId :

002-35TH-AVE(MAY)

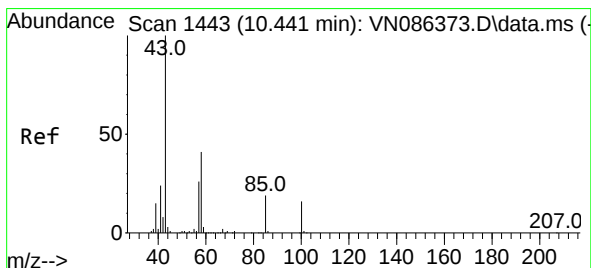
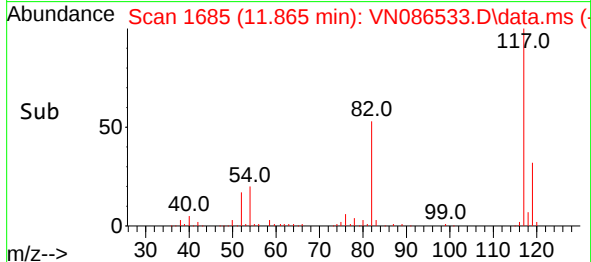
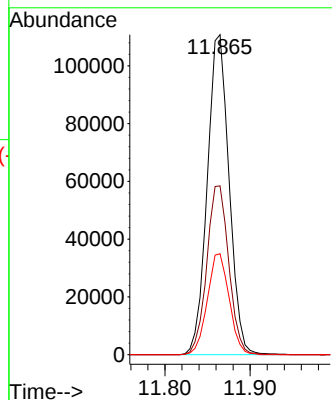
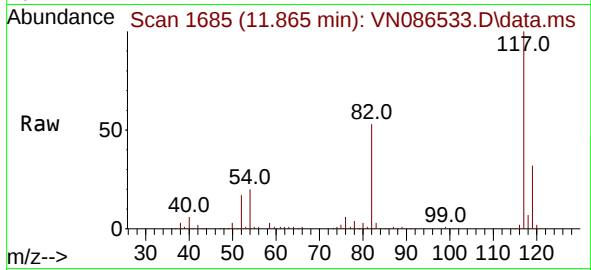
Tgt Ion:117 Resp: 197341

Ion Ratio Lower Upper

117 100

82 53.2 45.5 68.3

119 31.6 25.9 38.9



#58

4-Methyl-2-Pentanone

Concen: 6.173 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. -0.000 min

Lab File: VN086533.D

Acq: 07 May 2025 13:44

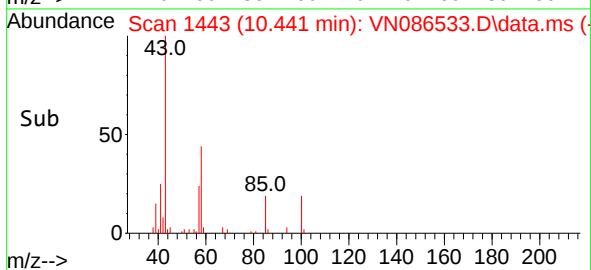
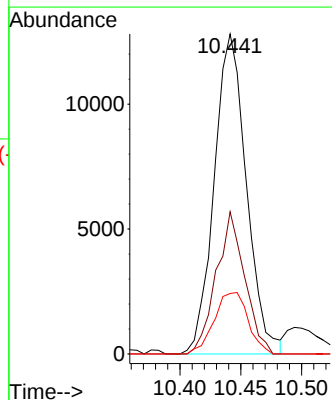
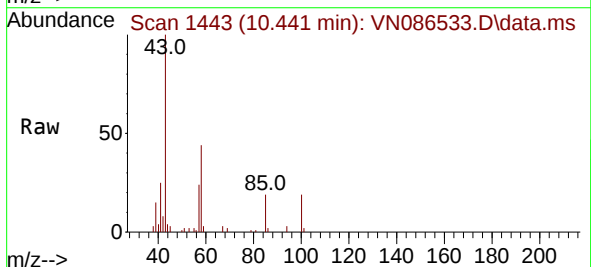
Tgt Ion: 43 Resp: 23574

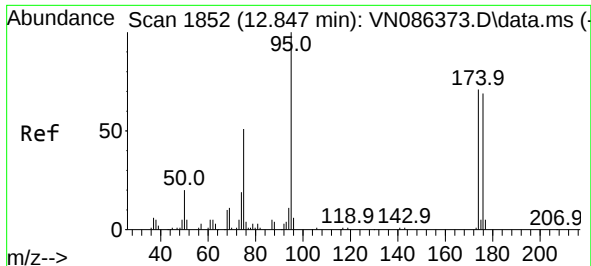
Ion Ratio Lower Upper

43 100

58 39.3 33.0 49.6

85 20.2 14.9 22.3

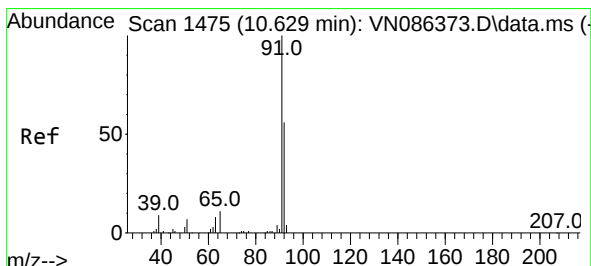
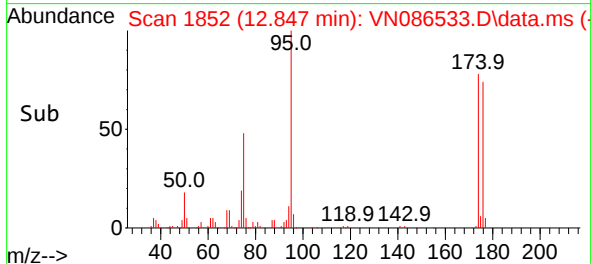
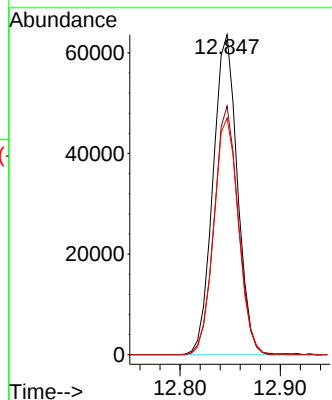
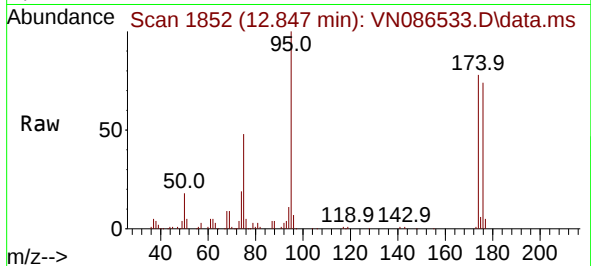




#60
4-Bromofluorobenzene
Concen: 27.684 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086533.D
Acq: 07 May 2025 13:44

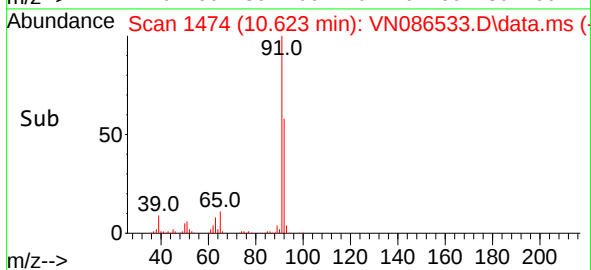
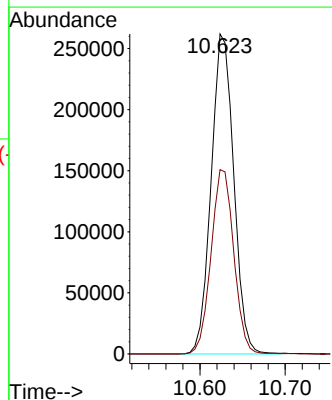
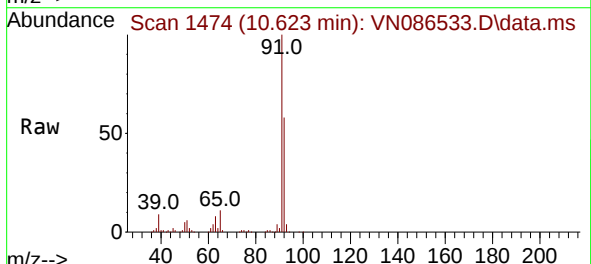
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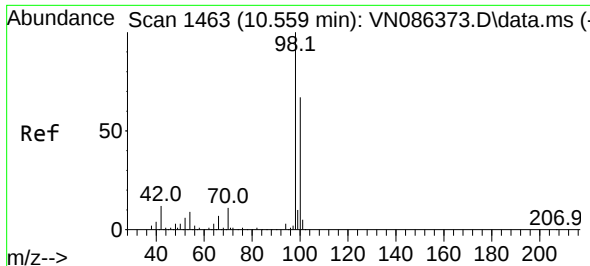
Tgt Ion: 95 Resp: 107374
Ion Ratio Lower Upper
95 100
174 76.5 56.6 84.8
176 74.9 53.3 79.9



#62
Toluene
Concen: 36.536 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086533.D
Acq: 07 May 2025 13:44

Tgt Ion: 91 Resp: 482611
Ion Ratio Lower Upper
91 100
92 57.9 45.7 68.5

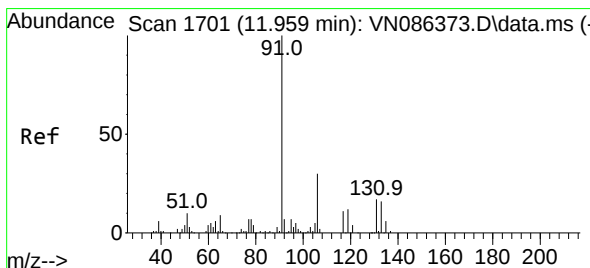
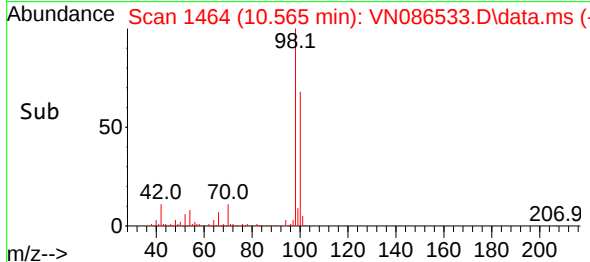
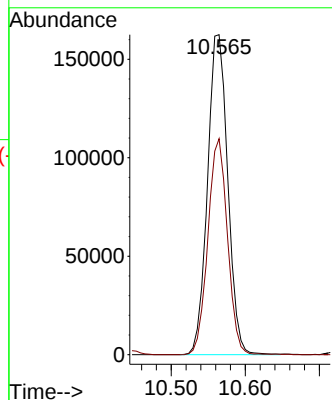
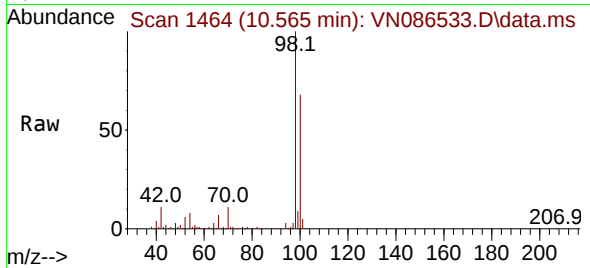




#63
Toluene-d8
Concen: 28.437 ug/l
RT: 10.565 min Scan# 1463
Delta R.T. 0.006 min
Lab File: VN086533.D
Acq: 07 May 2025 13:44

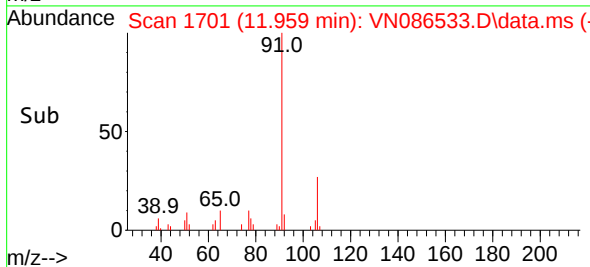
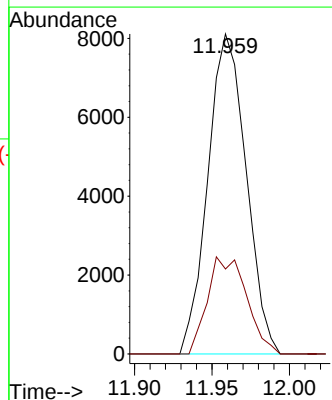
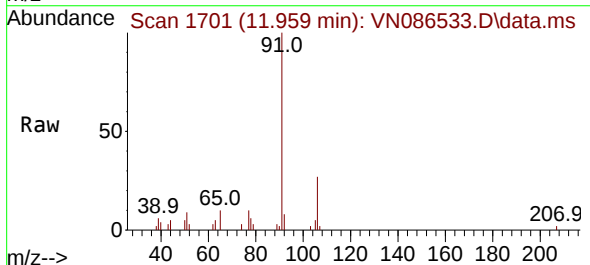
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAY)

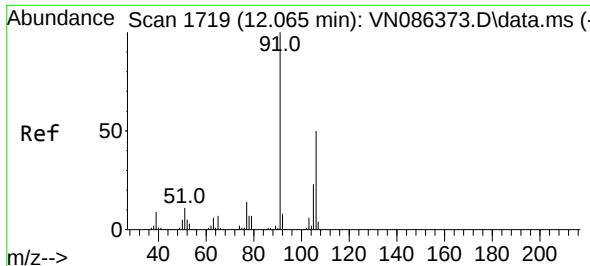
Tgt Ion: 98 Resp: 308732
Ion Ratio Lower Upper
98 100
100 64.9 53.1 79.7



#66
Ethyl Benzene
Concen: 0.936 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086533.D
Acq: 07 May 2025 13:44

Tgt Ion: 91 Resp: 13924
Ion Ratio Lower Upper
91 100
106 26.6 24.3 36.5

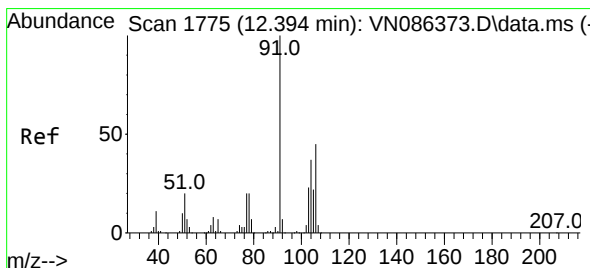
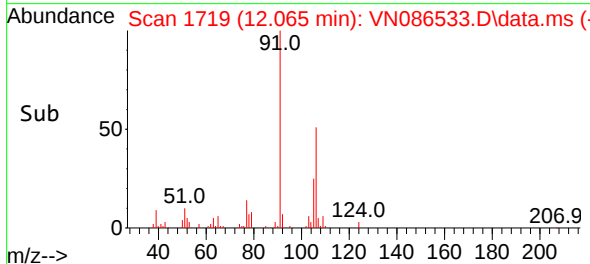
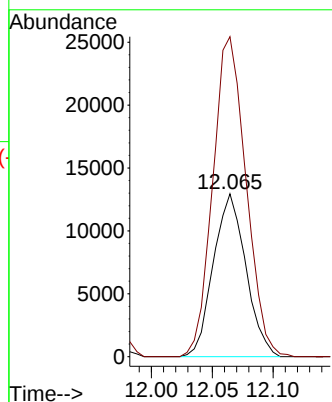
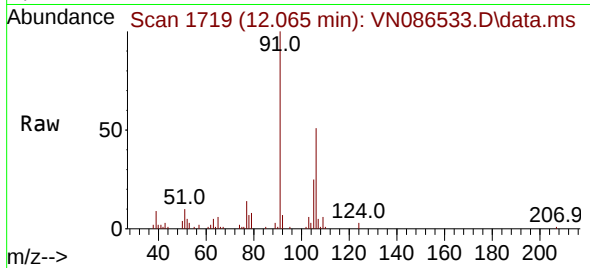




#67
m/p-Xylenes
Concen: 4.261 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086533.D
Acq: 07 May 2025 13:44

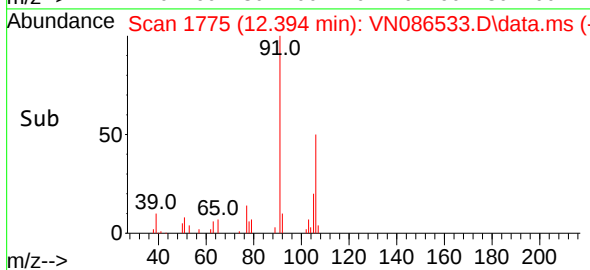
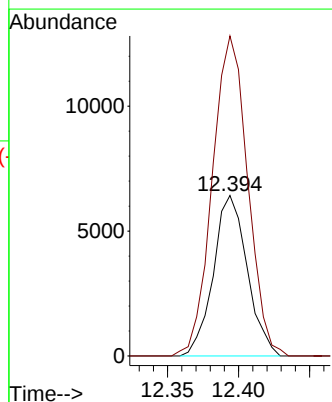
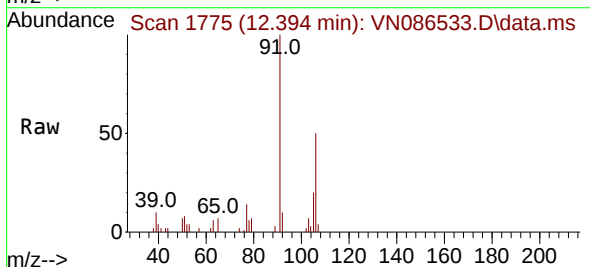
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAY)

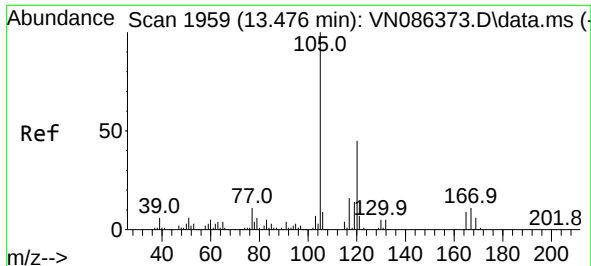
Tgt Ion:106 Resp: 24037
Ion Ratio Lower Upper
106 100
91 200.6 162.6 243.8



#68
o-Xylene
Concen: 1.927 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086533.D
Acq: 07 May 2025 13:44

Tgt Ion:106 Resp: 10645
Ion Ratio Lower Upper
106 100
91 208.4 110.6 331.6

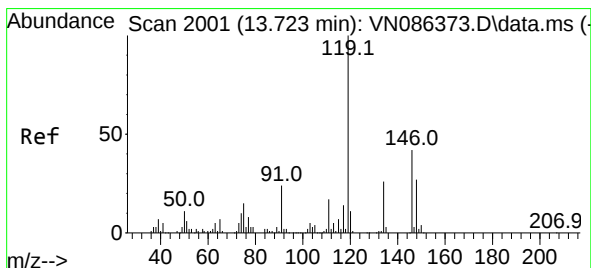
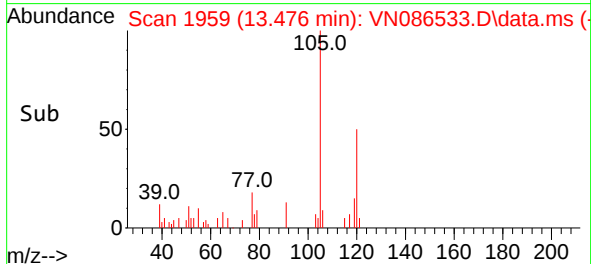
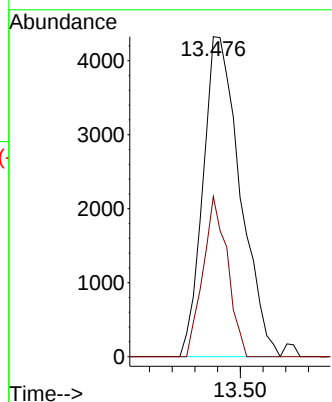
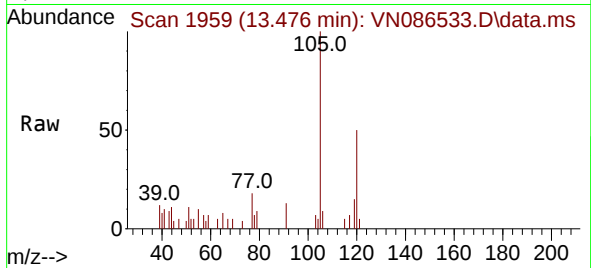




#80
1,2,4-Trimethylbenzene
Concen: 0.852 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN086533.D
Acq: 07 May 2025 13:44

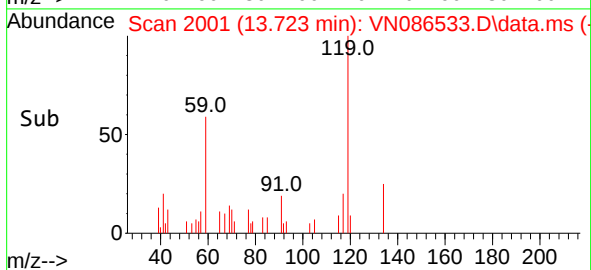
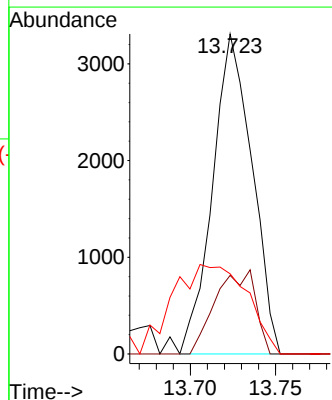
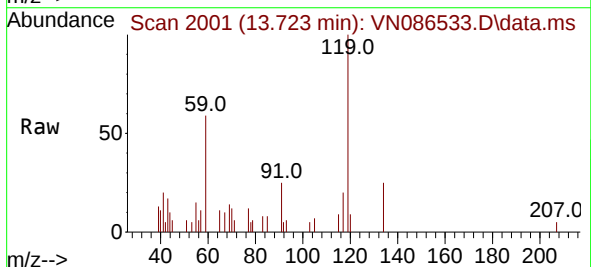
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(MAY)

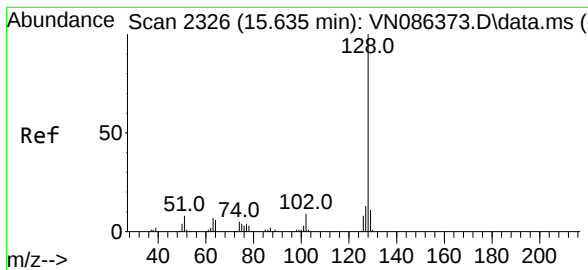
Tgt Ion:105 Resp: 9849
Ion Ratio Lower Upper
105 100
120 32.8 0.0 87.6



#82
p-Isopropyltoluene
Concen: 0.460 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VN086533.D
Acq: 07 May 2025 13:44

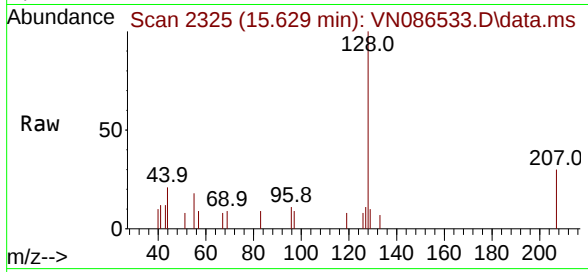
Tgt Ion:119 Resp: 5326
Ion Ratio Lower Upper
119 100
134 18.7 0.0 52.2
91 35.6 0.0 47.6





#91
Naphthalene
Concen: 0.426 ug/l
RT: 15.629 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN086533.D
Acq: 07 May 2025 13:44

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



Tgt Ion:	128	Resp:	3965
Ion	Ratio	Lower	Upper
128	100		
127	9.0	10.6	15.8#
129	5.1	8.7	13.1#

