

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041425\
 Data File : VN086266.D
 Acq On : 14 Apr 2025 14:02
 Operator : JC\MD
 Sample : Q1804-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Apr 15 03:10:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 12 01:21:52 2025
 Response via : Initial Calibration

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

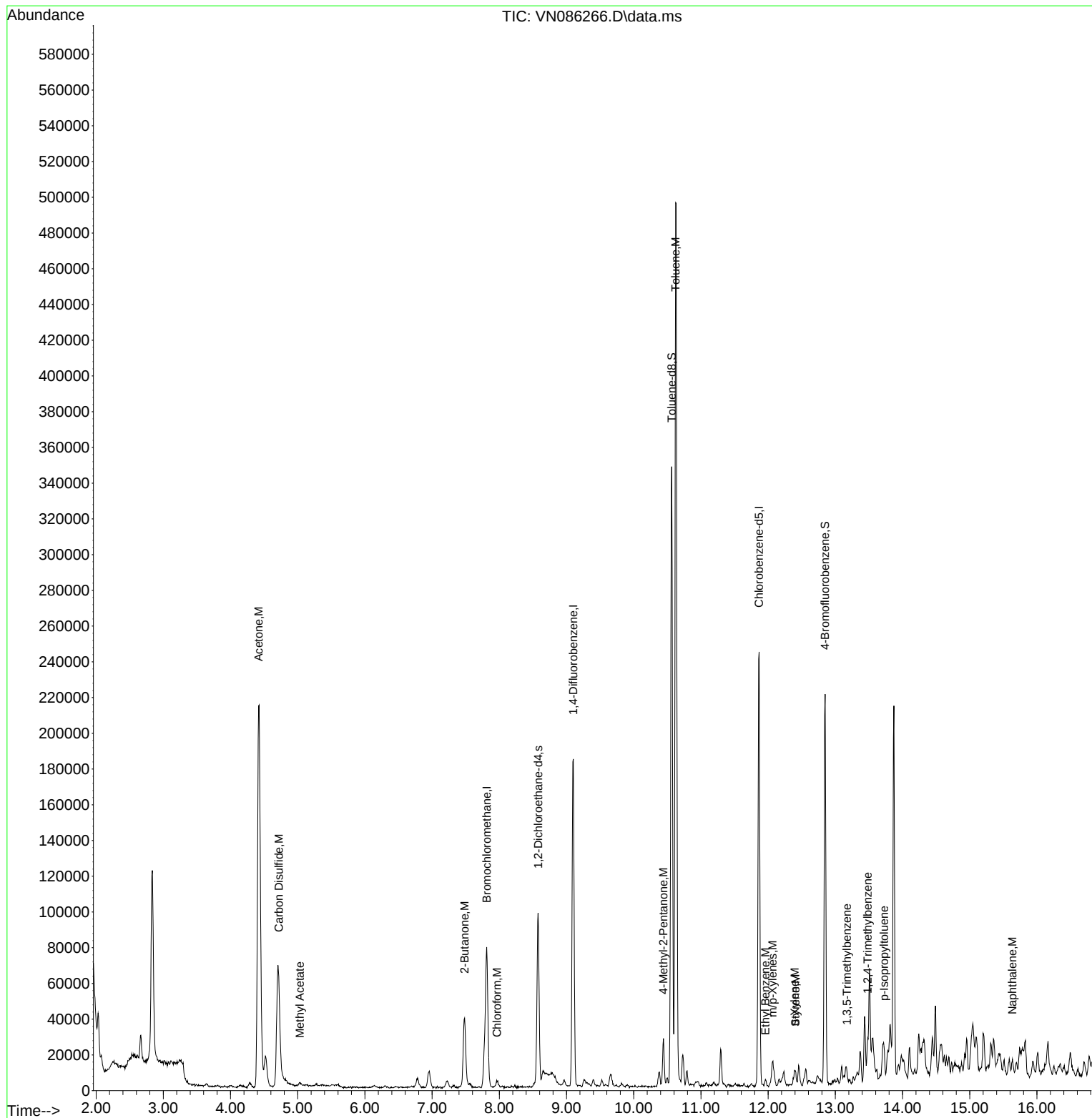
Internal Standards						
1) Bromochloromethane	7.812	128	26217	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	164361	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	144392	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	78950	30.874	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.900%
60) 4-Bromofluorobenzene	12.847	95	83577	29.072	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.900%
63) Toluene-d8	10.565	98	242502	29.748	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.167%
Target Compounds						
					Qvalue	
12) Methyl Acetate	5.030	43	2946	1.045	ug/l	95
15) Acetone	4.418	58	134941	447.180	ug/l	90
16) Carbon Disulfide	4.718	76	34673	6.057	ug/l	98
25) Chloroform	7.965	83	3909	1.027	ug/l	90
30) 2-Butanone	7.483	43	64380	39.460	ug/l #	98
58) 4-Methyl-2-Pentanone	10.441	43	17273	5.271	ug/l	99
62) Toluene	10.624	91	385440	39.798	ug/l	99
66) Ethyl Benzene	11.959	91	3133	0.292	ug/l	92
67) m/p-Xylenes	12.065	106	3414	0.855	ug/l	94
68) o-Xylene	12.394	106	1772	0.451	ug/l	96
69) Styrene	12.406	104	2515	0.380	ug/l	94
76) 1,3,5-Trimethylbenzene	13.171	105	3013	0.379	ug/l	96
80) 1,2,4-Trimethylbenzene	13.482	105	13967	1.731	ug/l	86
82) p-Isopropyltoluene	13.723	119	8619	1.076	ug/l	95
91) Naphthalene	15.635	128	7088	0.938	ug/l	97

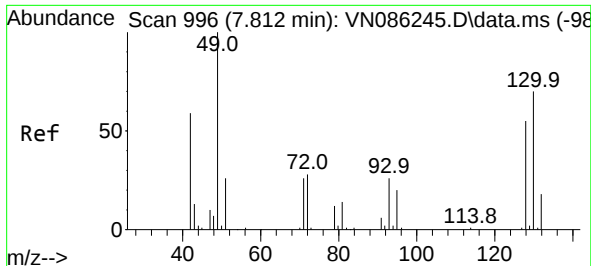
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 15 03:10:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 12 01:21:52 2025
Response via : Initial Calibration

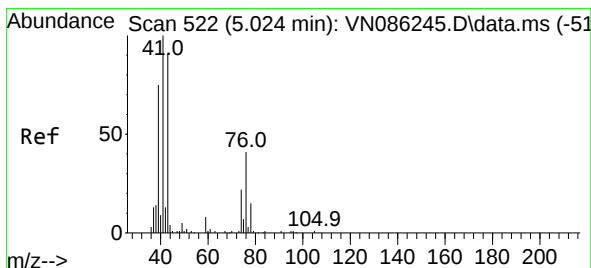
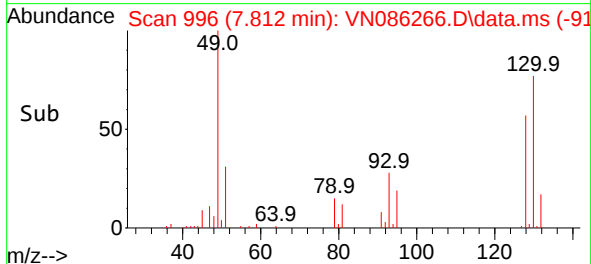
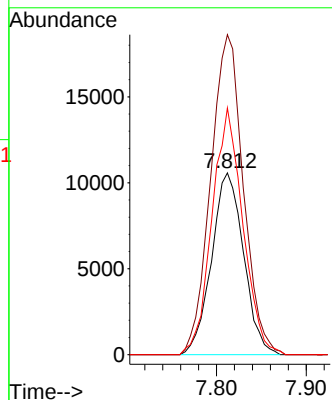
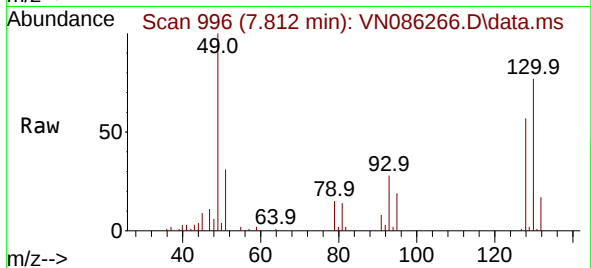




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN086266.D
Acq: 14 Apr 2025 14:02

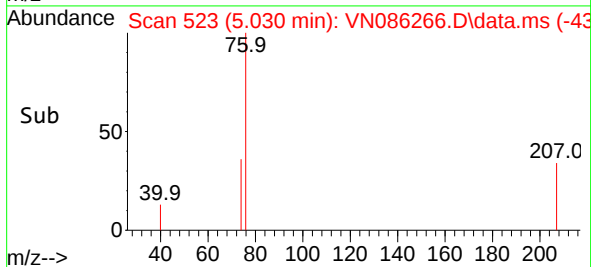
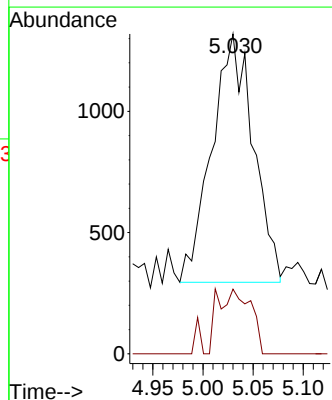
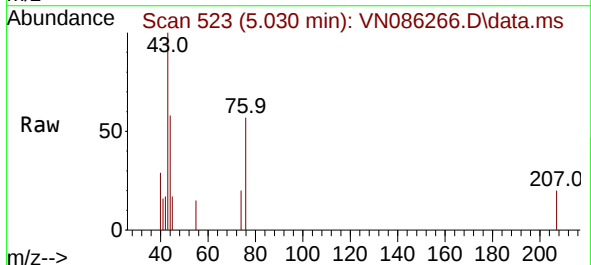
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(APR)

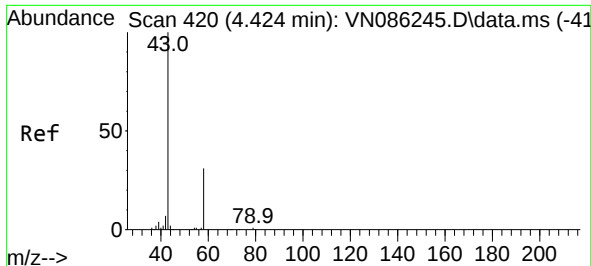
Tgt Ion:128 Resp: 26217
Ion Ratio Lower Upper
128 100
49 179.3 0.0 452.5
130 130.7 0.0 315.0



#12
Methyl Acetate
Concen: 1.045 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN086266.D
Acq: 14 Apr 2025 14:02

Tgt Ion: 43 Resp: 2946
Ion Ratio Lower Upper
43 100
74 26.4 19.1 28.7

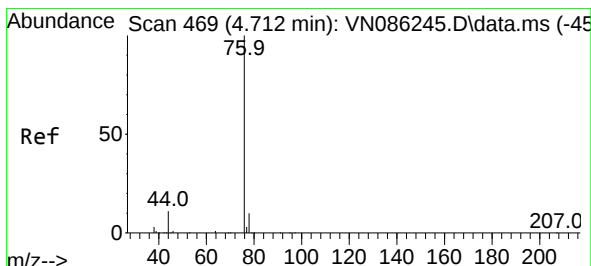
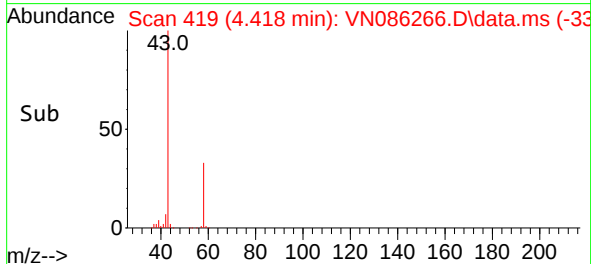
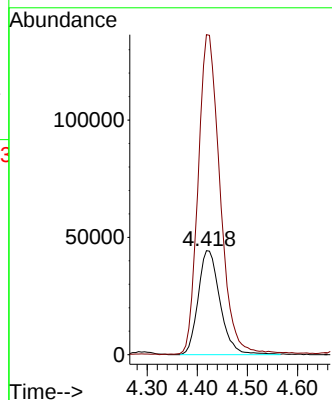
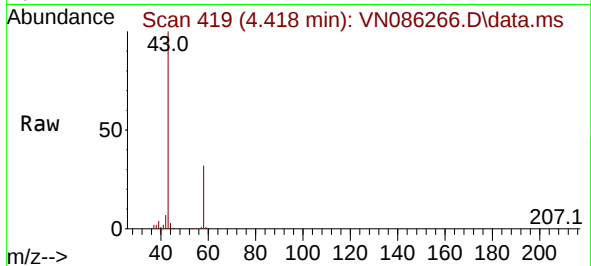




#15
Acetone
Concen: 447.180 ug/l
RT: 4.418 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN086266.D
Acq: 14 Apr 2025 14:02

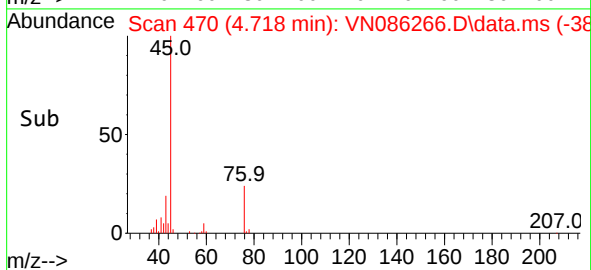
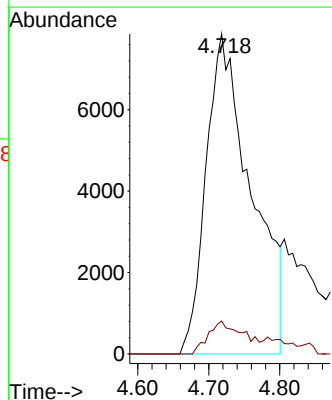
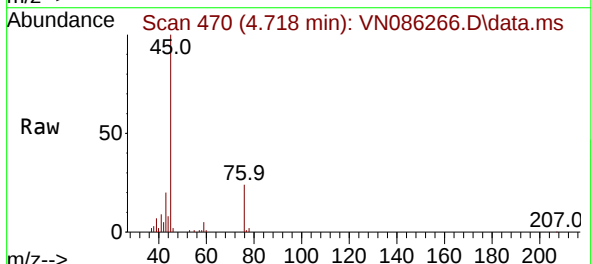
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(APR)

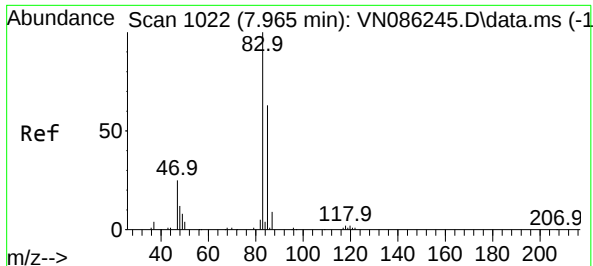
Tgt Ion: 58 Resp: 134941
Ion Ratio Lower Upper
58 100
43 306.7 261.8 392.8



#16
Carbon Disulfide
Concen: 6.057 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN086266.D
Acq: 14 Apr 2025 14:02

Tgt Ion: 76 Resp: 34673
Ion Ratio Lower Upper
76 100
78 10.3 7.7 11.5





#25

Chloroform

Concen: 1.027 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN086266.D

Acq: 14 Apr 2025 14:02

Instrument :

MSVOA_N

ClientSampleId :

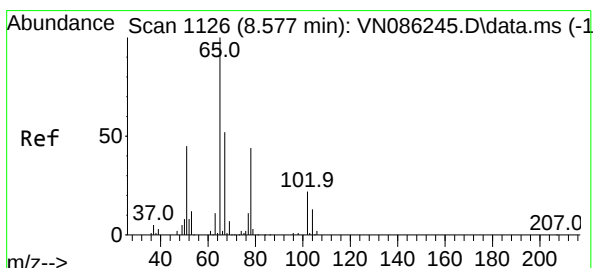
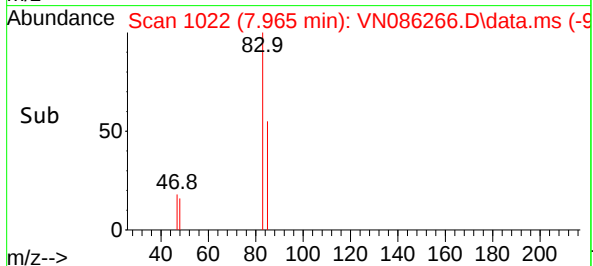
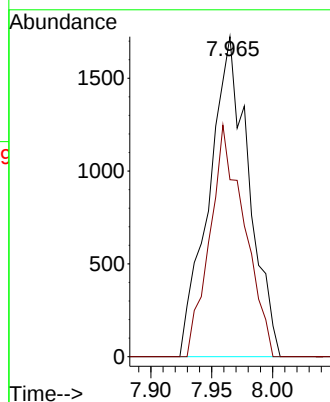
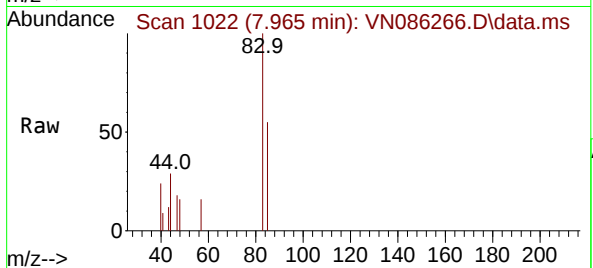
002-35TH-AVE(APR)

Tgt Ion: 83 Resp: 3909

Ion Ratio Lower Upper

83 100

85 55.3 50.5 75.7



#27

1,2-Dichloroethane-d4

Concen: 30.874 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086266.D

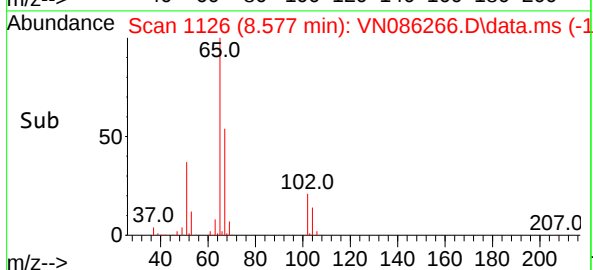
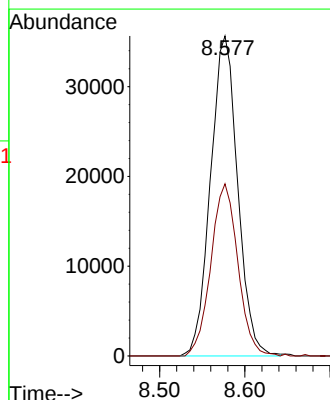
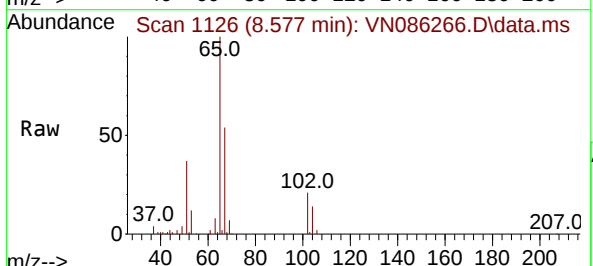
Acq: 14 Apr 2025 14:02

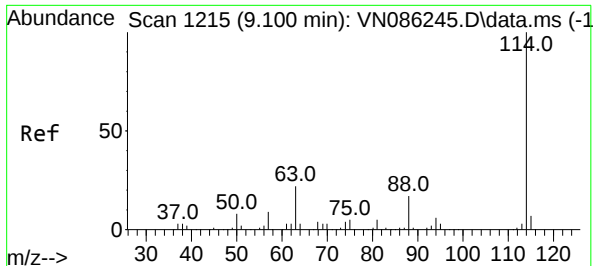
Tgt Ion: 65 Resp: 78950

Ion Ratio Lower Upper

65 100

67 53.5 43.4 65.2

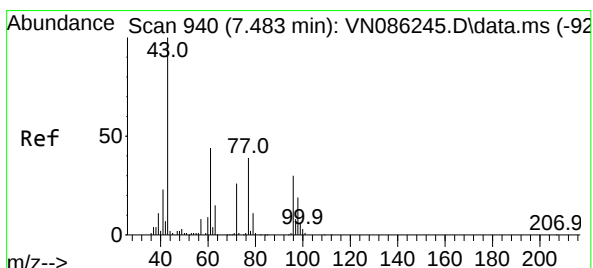
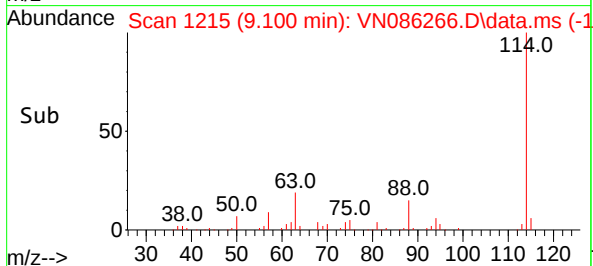
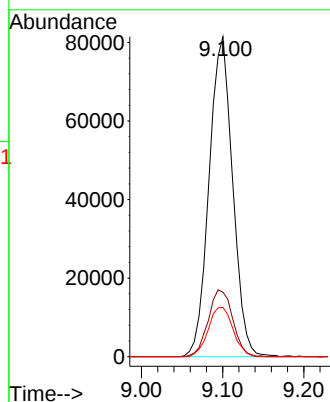
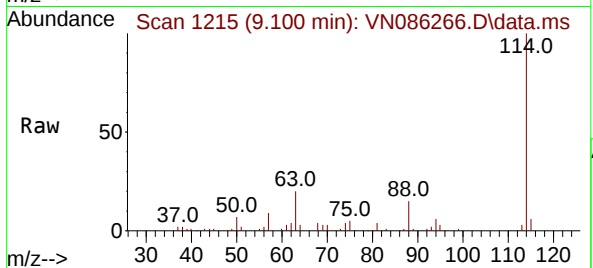




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN086266.D
Acq: 14 Apr 2025 14:02

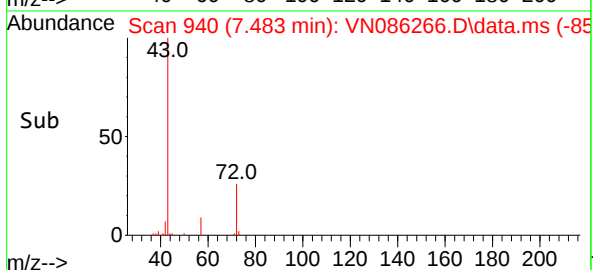
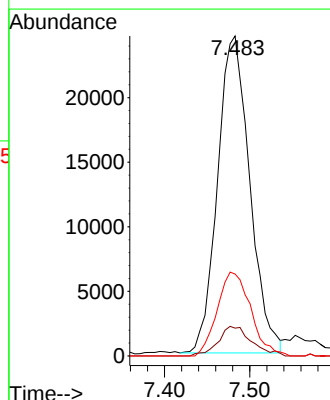
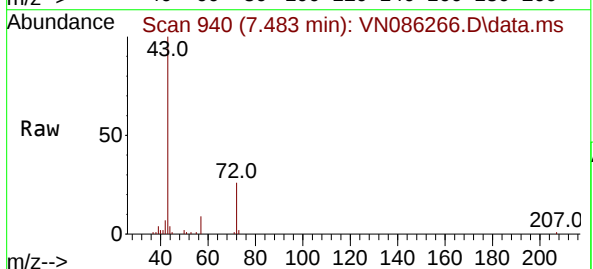
Instrument :
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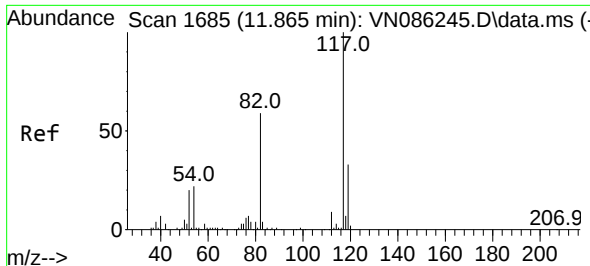
Tgt Ion:114 Resp: 164361
Ion Ratio Lower Upper
114 100
63 21.8 17.8 26.6
88 16.2 13.4 20.2



#30
2-Butanone
Concen: 39.460 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN086266.D
Acq: 14 Apr 2025 14:02

Tgt Ion: 43 Resp: 64380
Ion Ratio Lower Upper
43 100
57 9.6 6.4 9.6#
72 27.4 21.5 32.3

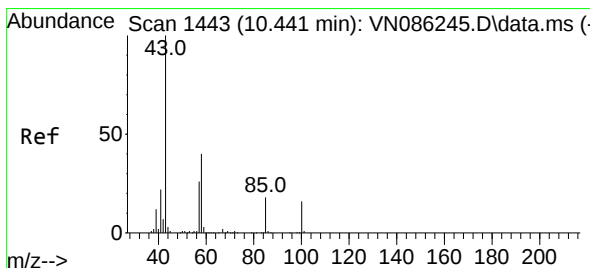
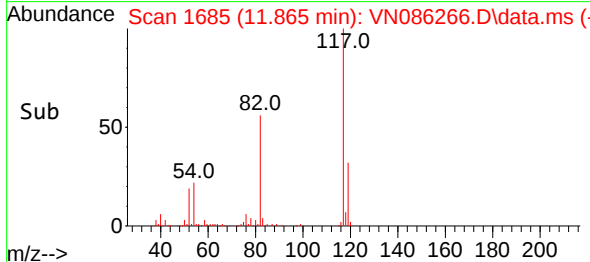
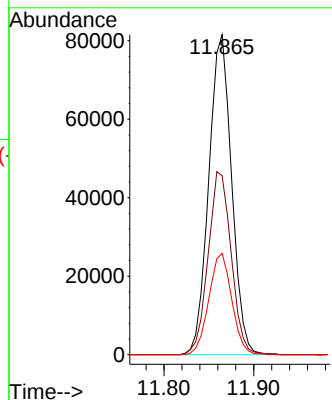
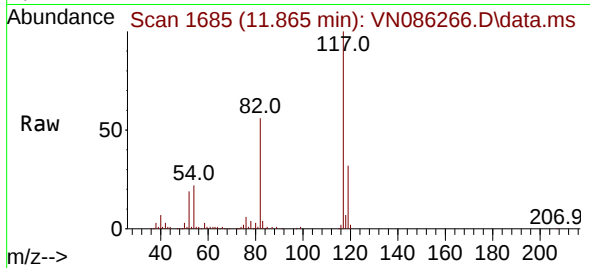




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN086266.D
Acq: 14 Apr 2025 14:02

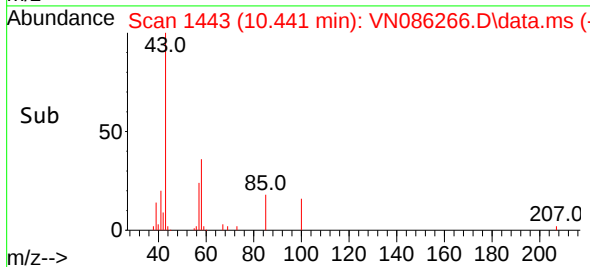
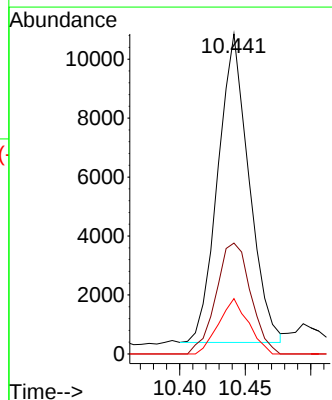
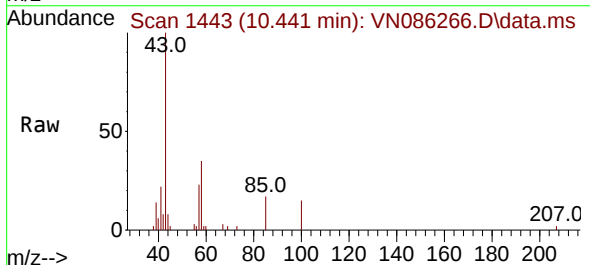
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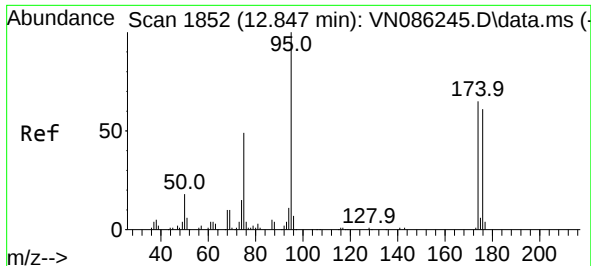
Tgt Ion:117 Resp: 144392
Ion Ratio Lower Upper
117 100
82 57.7 47.3 70.9
119 31.7 25.9 38.9



#58
4-Methyl-2-Pentanone
Concen: 5.271 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN086266.D
Acq: 14 Apr 2025 14:02

Tgt Ion: 43 Resp: 17273
Ion Ratio Lower Upper
43 100
58 39.8 32.5 48.7
85 17.1 14.4 21.6

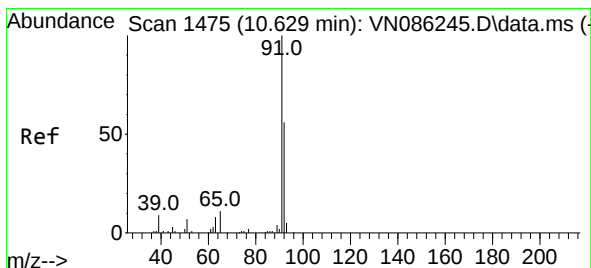
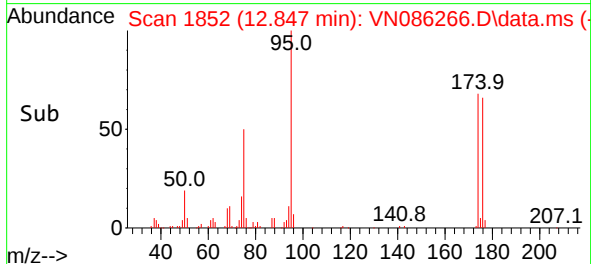
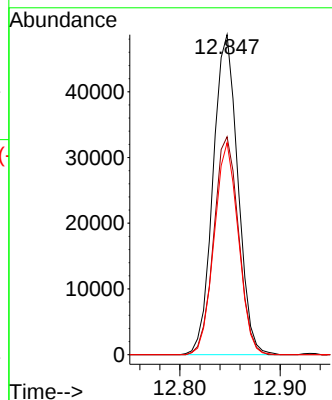
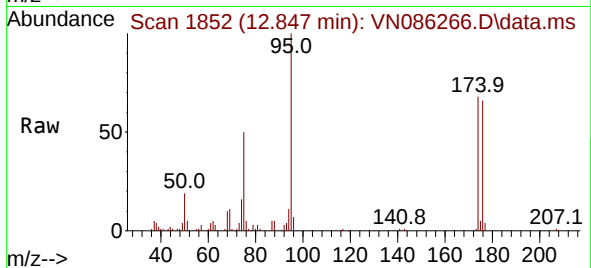




#60
4-Bromofluorobenzene
Concen: 29.072 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086266.D
Acq: 14 Apr 2025 14:02

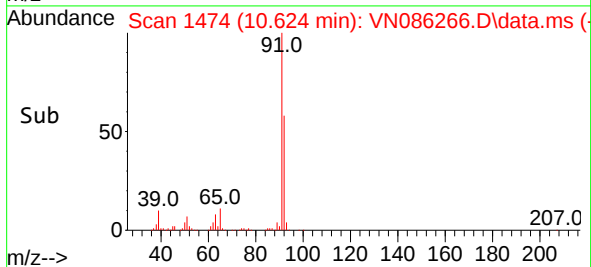
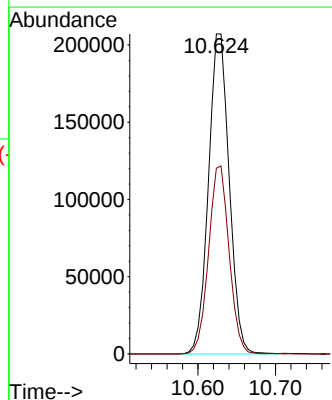
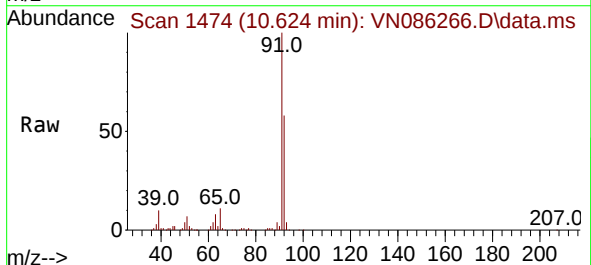
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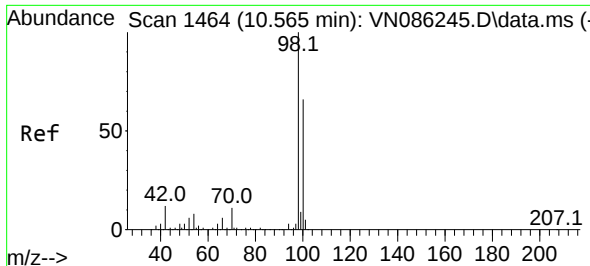
Tgt Ion: 95 Resp: 83577
Ion Ratio Lower Upper
95 100
174 68.1 52.7 79.1
176 64.5 49.8 74.8



#62
Toluene
Concen: 39.798 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086266.D
Acq: 14 Apr 2025 14:02

Tgt Ion: 91 Resp: 385440
Ion Ratio Lower Upper
91 100
92 58.0 46.8 70.2

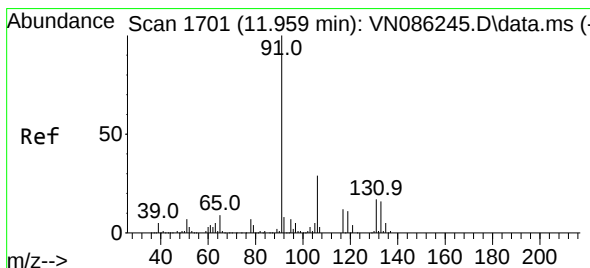
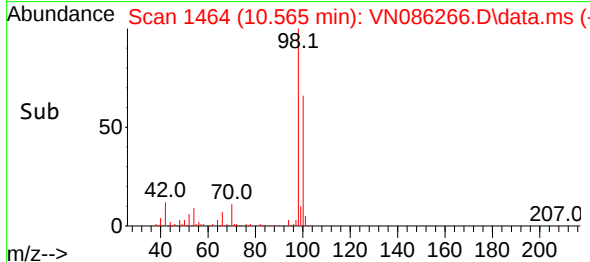
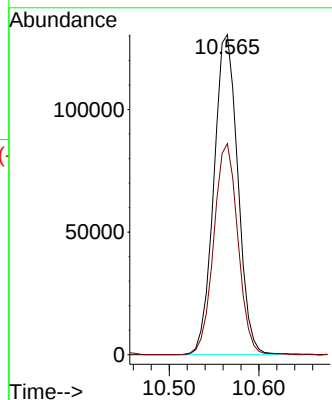
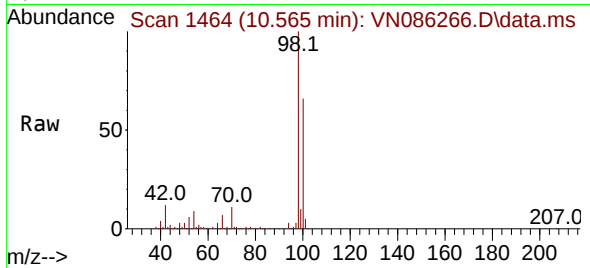




#63
Toluene-d8
Concen: 29.748 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086266.D
Acq: 14 Apr 2025 14:02

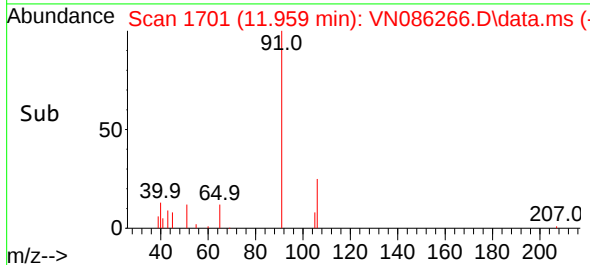
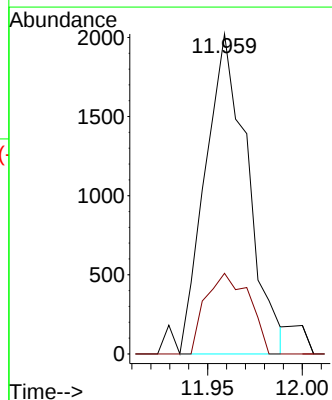
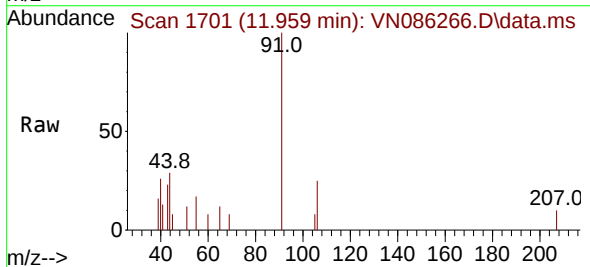
Instrument :
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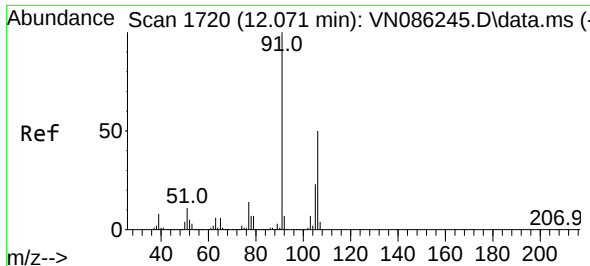
Tgt Ion: 98 Resp: 242502
Ion Ratio Lower Upper
98 100
100 66.2 52.3 78.5



#66
Ethyl Benzene
Concen: 0.292 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086266.D
Acq: 14 Apr 2025 14:02

Tgt Ion: 91 Resp: 3133
Ion Ratio Lower Upper
91 100
106 25.2 23.4 35.0





#67

m/p-Xylenes

Concen: 0.855 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.006 min

Lab File: VN086266.D

Acq: 14 Apr 2025 14:02

Instrument :

MSVOA_N

ClientSampleId :

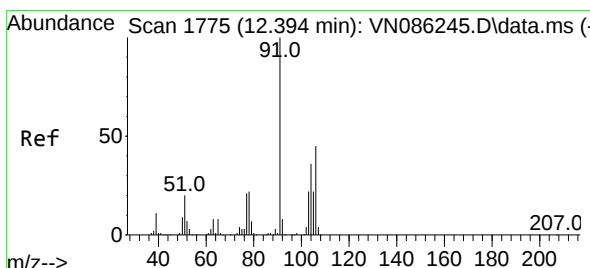
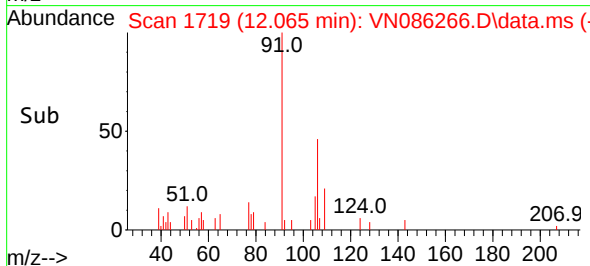
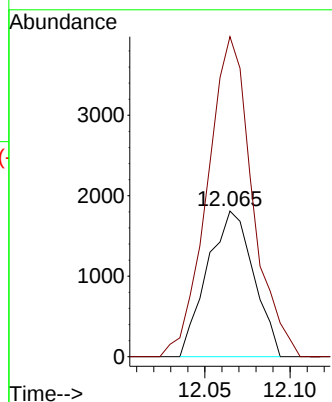
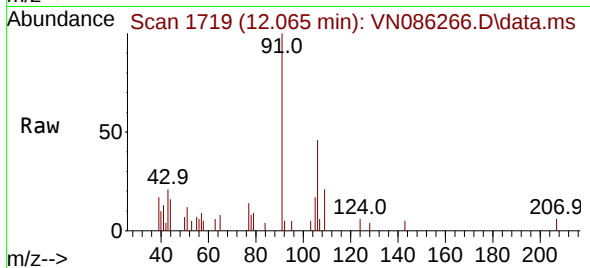
002-35TH-AVE(APR)

Tgt Ion:106 Resp: 3414

Ion Ratio Lower Upper

106 100

91 214.6 164.5 246.7



#68

o-Xylene

Concen: 0.451 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VN086266.D

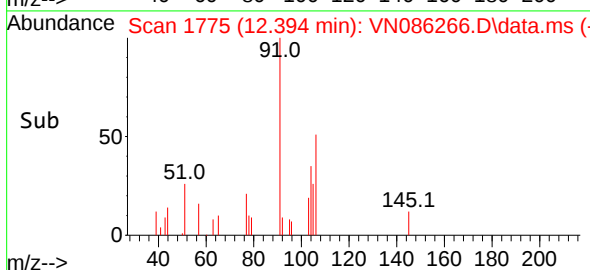
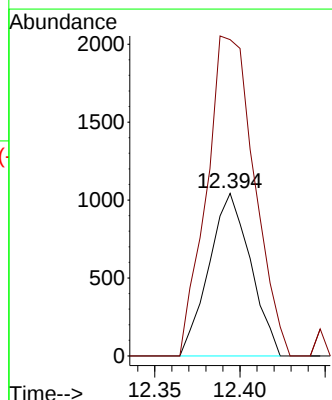
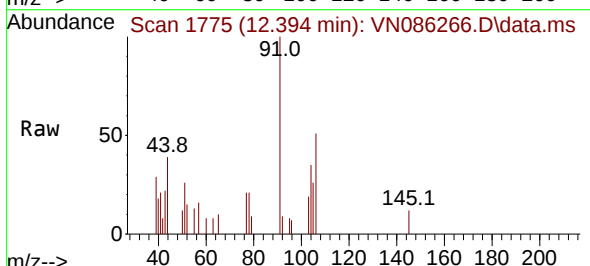
Acq: 14 Apr 2025 14:02

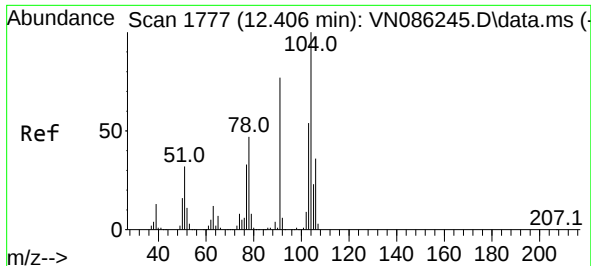
Tgt Ion:106 Resp: 1772

Ion Ratio Lower Upper

106 100

91 225.4 109.8 329.4

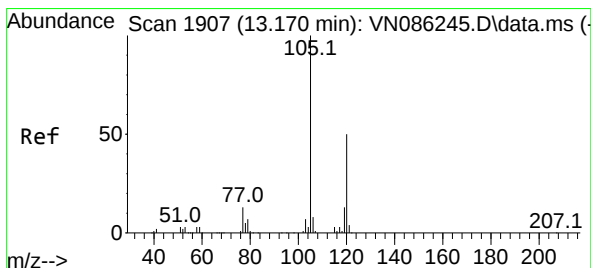
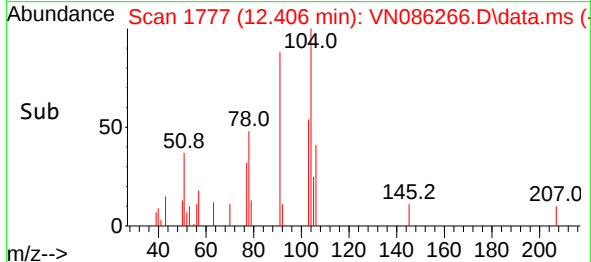
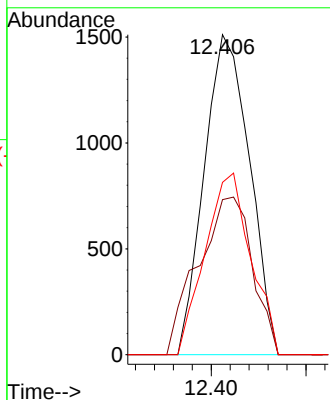
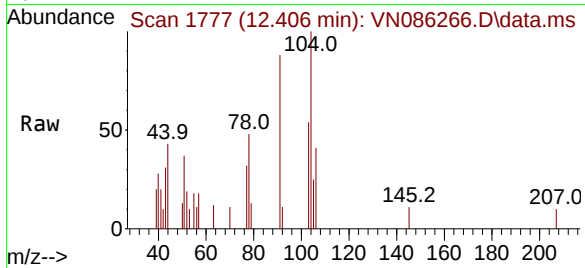




#69
Styrene
Concen: 0.380 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.000 min
Lab File: VN086266.D
Acq: 14 Apr 2025 14:02

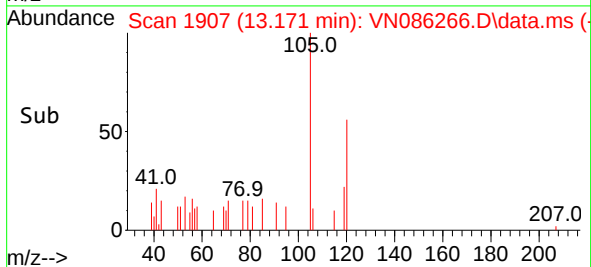
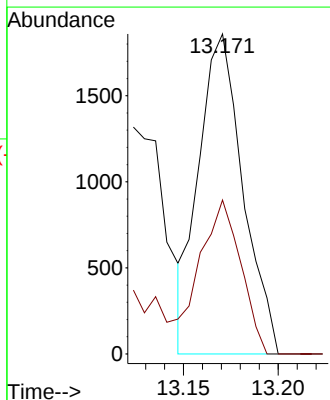
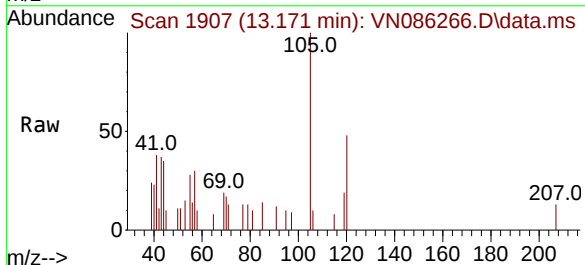
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(APR)

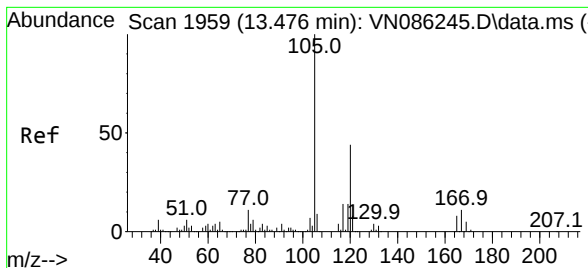
Tgt Ion	Ratio	Lower	Upper
104	100		
78	59.1	41.4	62.0
103	57.2	44.2	66.4



#76
1,3,5-Trimethylbenzene
Concen: 0.379 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086266.D
Acq: 14 Apr 2025 14:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	0.0	98.0





#80

1,2,4-Trimethylbenzene

Concen: 1.731 ug/l

RT: 13.482 min Scan# 1959

Delta R.T. 0.006 min

Lab File: VN086266.D

Acq: 14 Apr 2025 14:02

Instrument :

MSVOA_N

ClientSampleId :

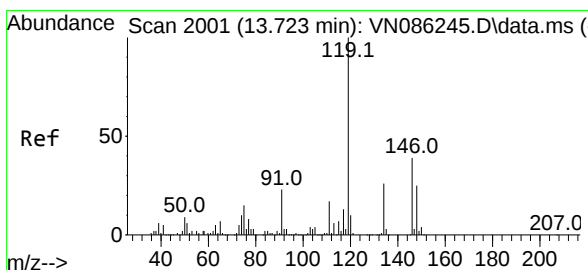
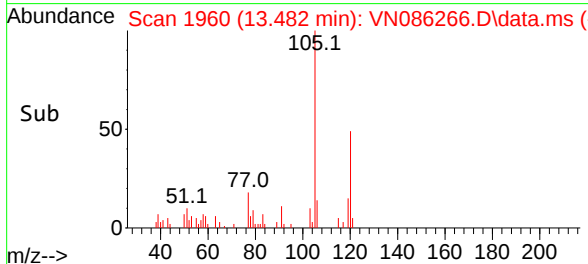
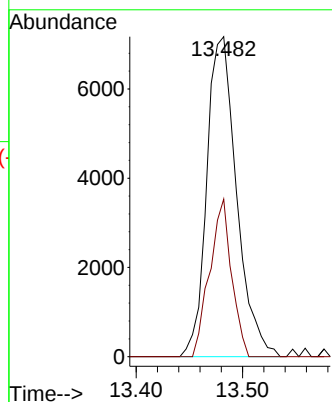
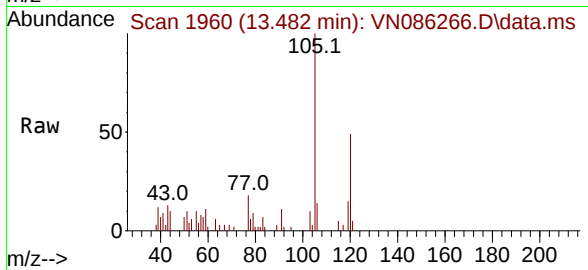
002-35TH-AVE(APR)

Tgt Ion:105 Resp: 13967

Ion Ratio Lower Upper

105 100

120 36.0 0.0 91.0



#82

p-Isopropyltoluene

Concen: 1.076 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. 0.000 min

Lab File: VN086266.D

Acq: 14 Apr 2025 14:02

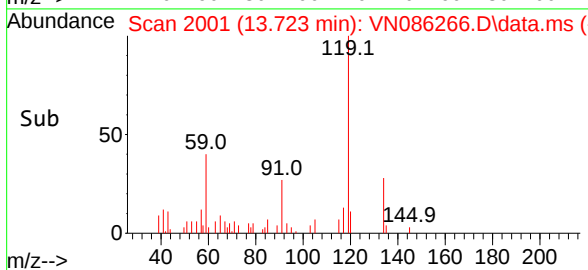
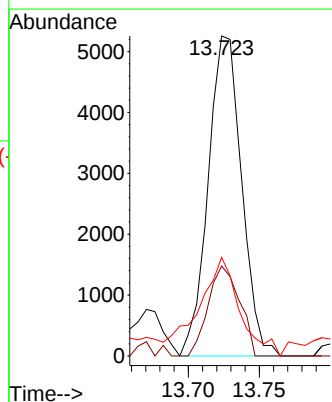
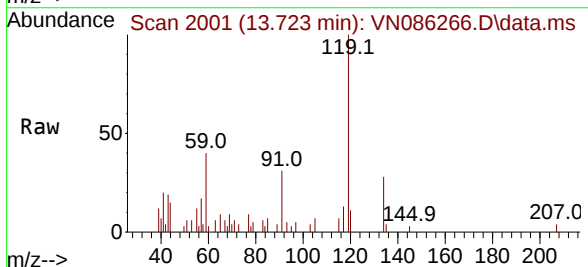
Tgt Ion:119 Resp: 8619

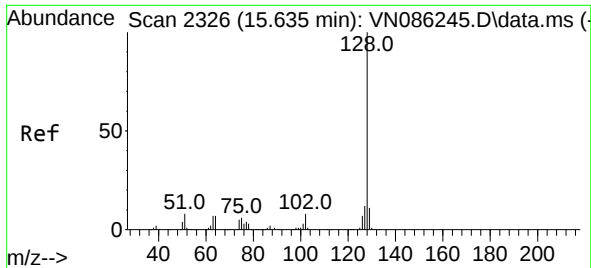
Ion Ratio Lower Upper

119 100

134 26.3 0.0 51.6

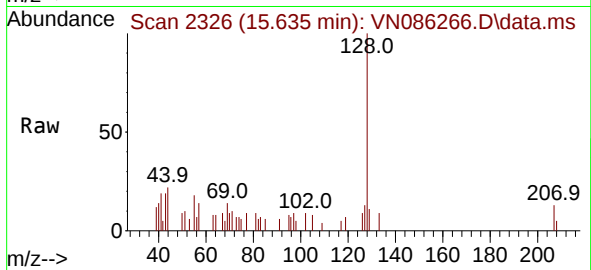
91 28.3 0.0 48.2





#91
Naphthalene
Concen: 0.938 ug/l
RT: 15.635 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN086266.D
Acq: 14 Apr 2025 14:02

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



Tgt Ion:	128	Resp:	7088
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.2
129	8.8	8.8	13.2

