

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
 Data File : VN087173.D
 Acq On : 25 Jun 2025 13:33
 Operator : JC\MD
 Sample : Q2349-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jun 25 15:31:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

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

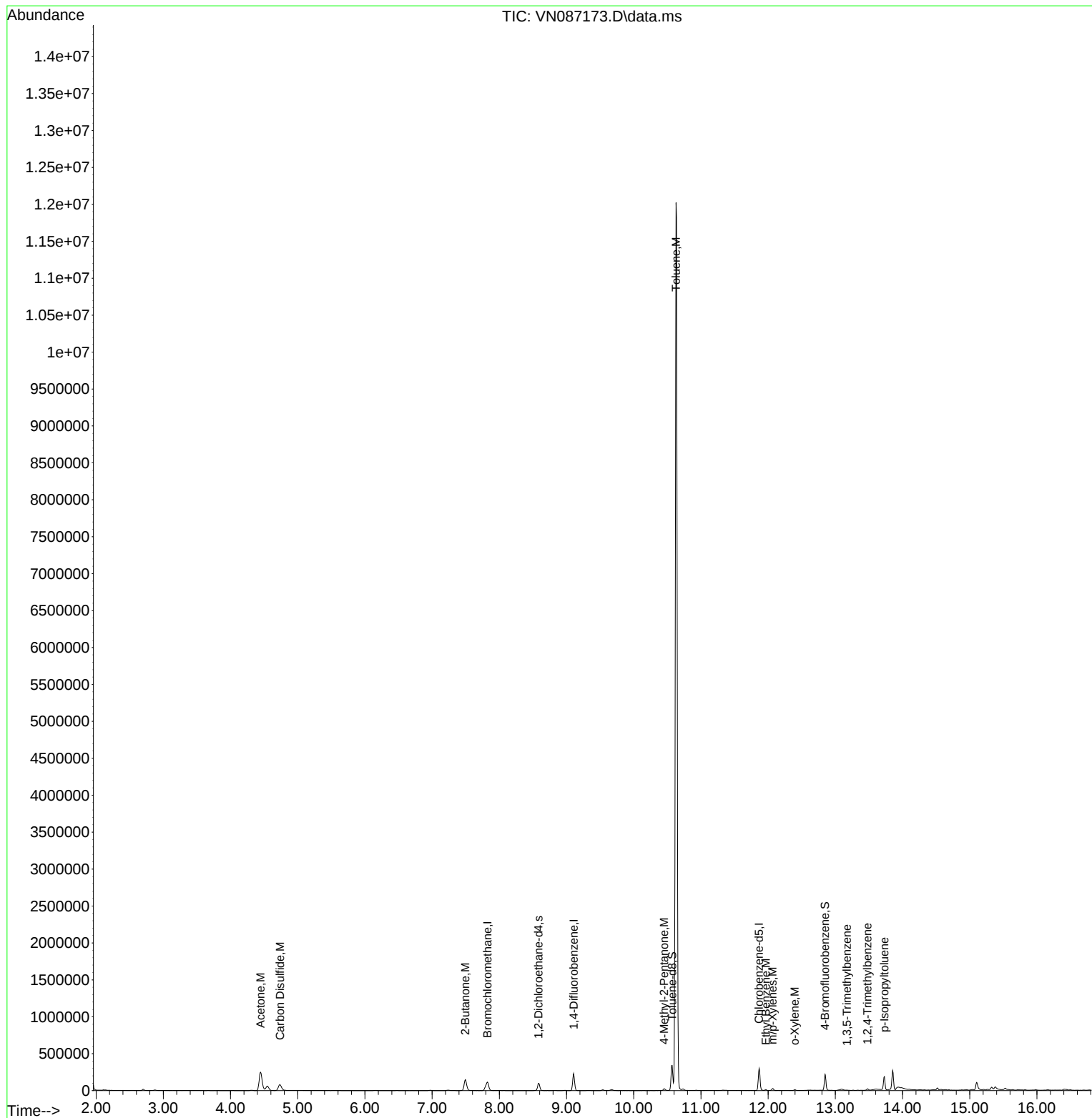
Internal Standards						
1) Bromochloromethane	7.824	128	37564	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	195128	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	182621	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	83160	29.382	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.933%		
60) 4-Bromofluorobenzene	12.847	95	80783	28.666	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	95.567%		
63) Toluene-d8	10.571	98	247262	30.155	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.533%		
Target Compounds						
					Qvalue	
15) Acetone	4.448	58	169407	348.836	ug/l	89
16) Carbon Disulfide	4.736	76	10663	1.603	ug/l	95
30) 2-Butanone	7.494	43	245460	119.646	ug/l	100
58) 4-Methyl-2-Pentanone	10.453	43	22458	6.117	ug/l	95
62) Toluene	10.630	91	9499318	920.999	ug/l	97
66) Ethyl Benzene	11.965	91	9939	0.880	ug/l	96
67) m/p-Xylenes	12.065	106	9684	2.239	ug/l	90
68) o-Xylene	12.394	106	3297	0.799	ug/l	96
76) 1,3,5-Trimethylbenzene	13.171	105	2389	0.285	ug/l	99
80) 1,2,4-Trimethylbenzene	13.476	105	7682	0.914	ug/l	95
82) p-Isopropyltoluene	13.729	119	104798	12.315	ug/l	99

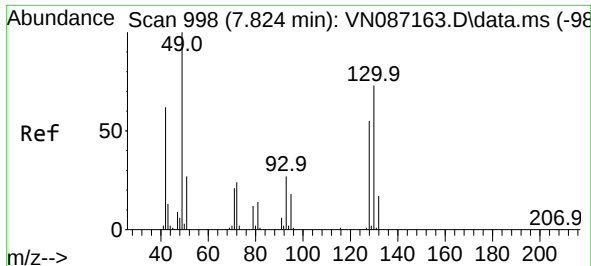
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 13 Sample Multiplier: 1

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MSVOA_N
ClientSampleId :
002-35TH-AVE(JUNE)

Quant Time: Jun 25 15:31:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jun 25 10:49:56 2025
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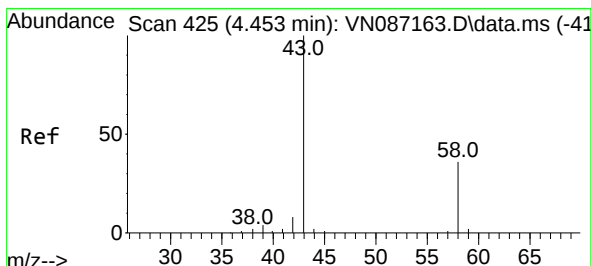
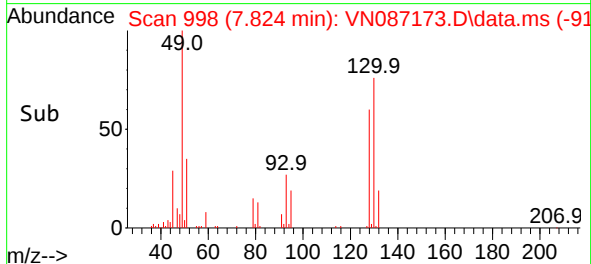
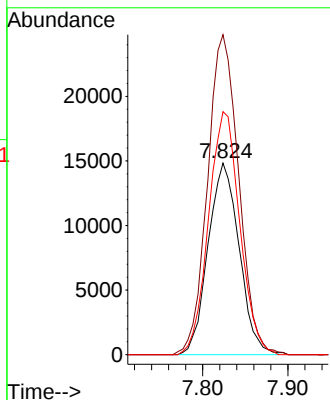
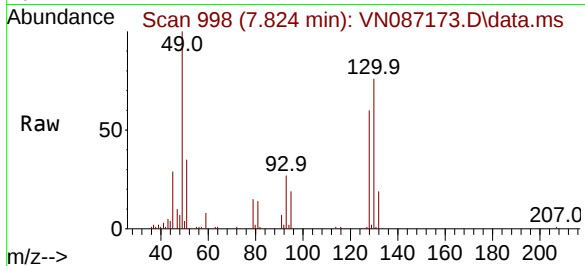




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN087173.D
Acq: 25 Jun 2025 13:33

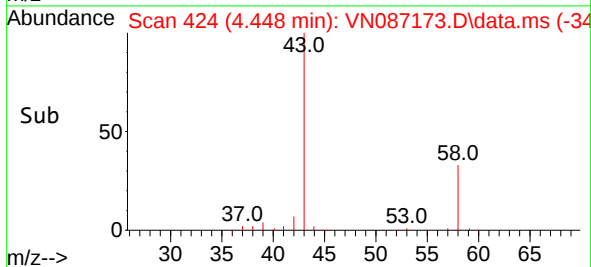
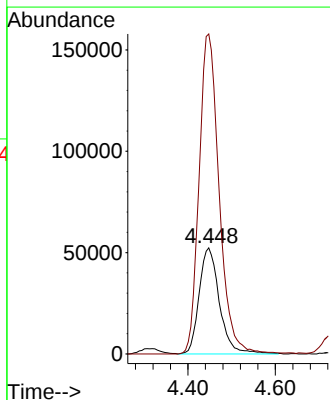
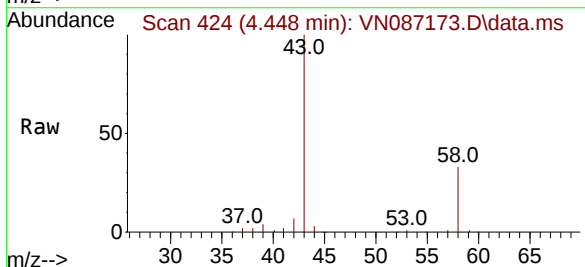
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JUNE)

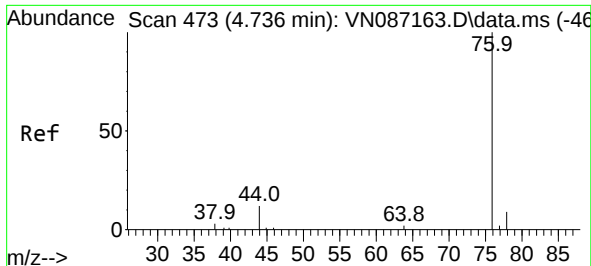
Tgt Ion:128 Resp: 37564
Ion Ratio Lower Upper
128 100
49 167.9 0.0 450.5
130 127.6 0.0 320.7



#15
Acetone
Concen: 348.836 ug/l
RT: 4.448 min Scan# 424
Delta R.T. -0.006 min
Lab File: VN087173.D
Acq: 25 Jun 2025 13:33

Tgt Ion: 58 Resp: 169407
Ion Ratio Lower Upper
58 100
43 301.5 224.3 336.5

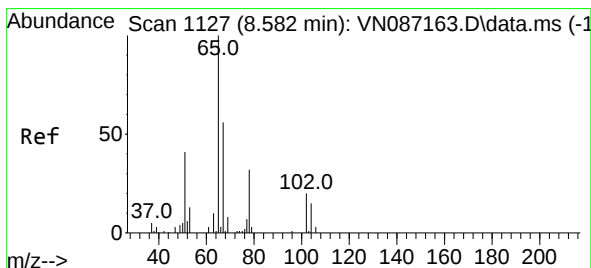
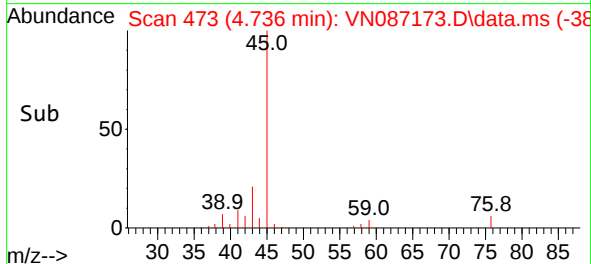
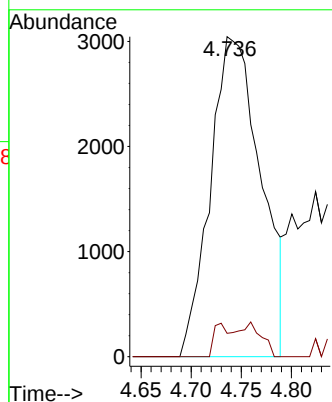
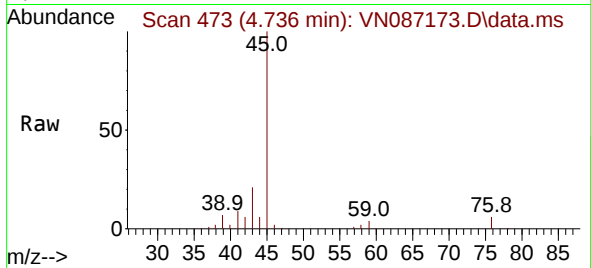




#16
Carbon Disulfide
Concen: 1.603 ug/l
RT: 4.736 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN087173.D
Acq: 25 Jun 2025 13:33

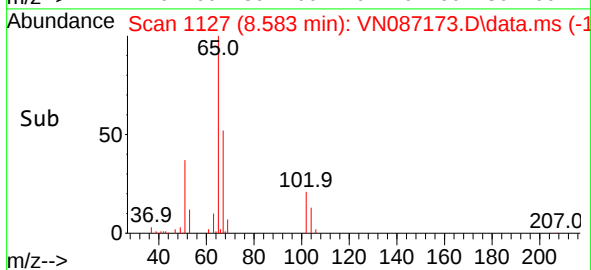
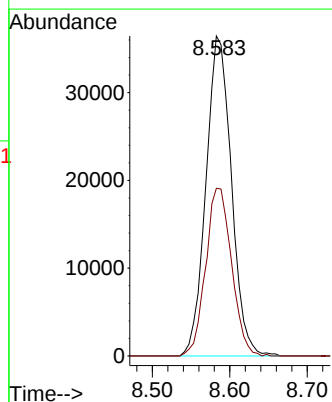
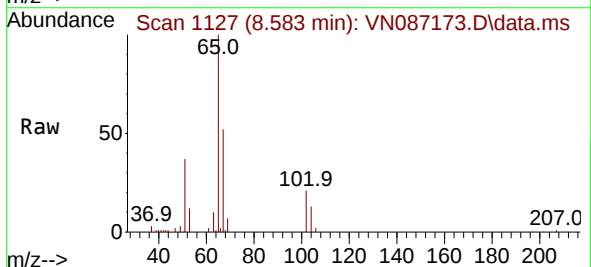
Instrument :
MSVOA_N
ClientSampleId :
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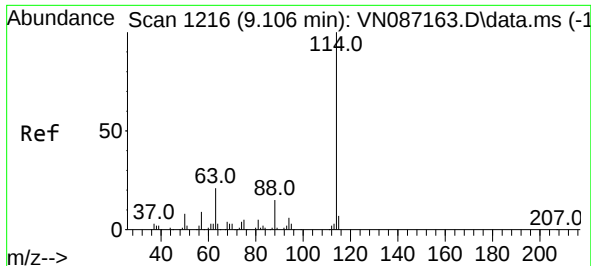
Tgt Ion: 76 Resp: 10663
Ion Ratio Lower Upper
76 100
78 7.3 7.2 10.8



#27
1,2-Dichloroethane-d4
Concen: 29.382 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN087173.D
Acq: 25 Jun 2025 13:33

Tgt Ion: 65 Resp: 83160
Ion Ratio Lower Upper
65 100
67 53.3 41.9 62.9





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087173.D

Acq: 25 Jun 2025 13:33

Instrument :

MSVOA_N

ClientSampleId :

002-35TH-AVE(JUNE)

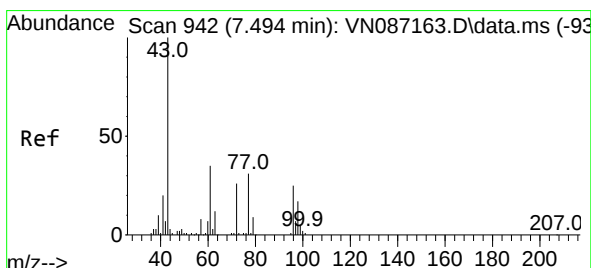
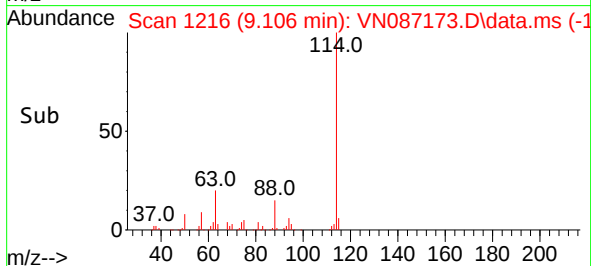
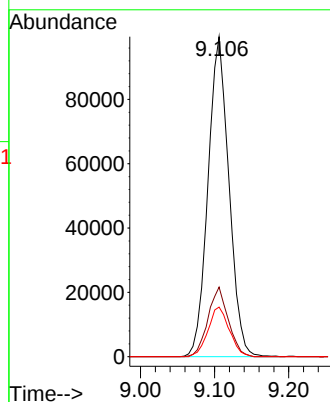
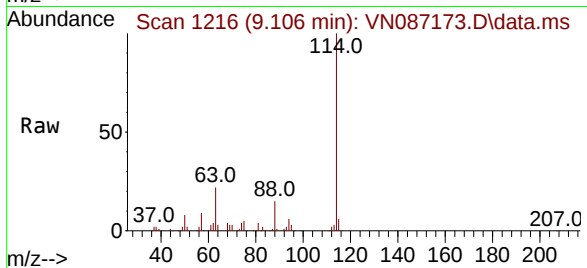
Tgt Ion:114 Resp: 195128

Ion Ratio Lower Upper

114 100

63 21.1 17.0 25.4

88 15.8 12.6 19.0



#30

2-Butanone

Concen: 119.646 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.000 min

Lab File: VN087173.D

Acq: 25 Jun 2025 13:33

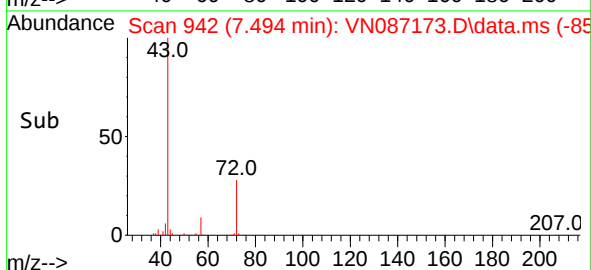
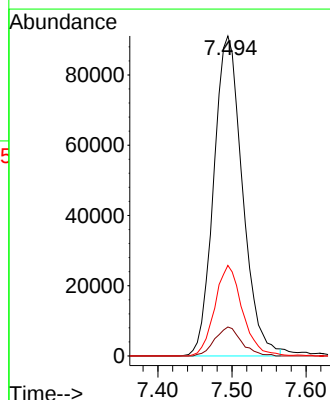
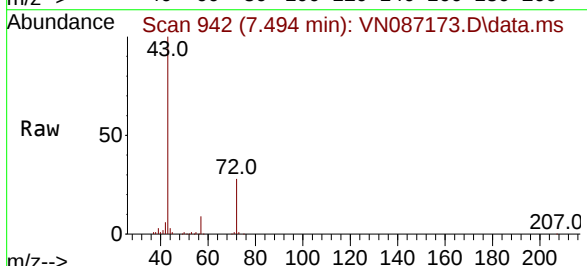
Tgt Ion: 43 Resp: 245460

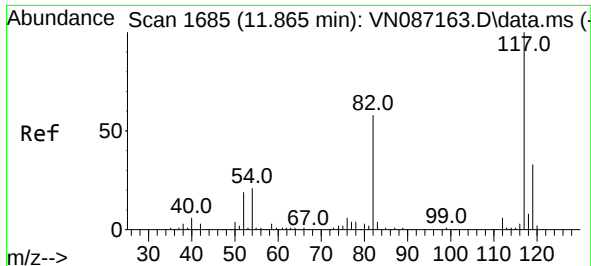
Ion Ratio Lower Upper

43 100

57 8.4 6.3 9.5

72 27.1 21.8 32.6

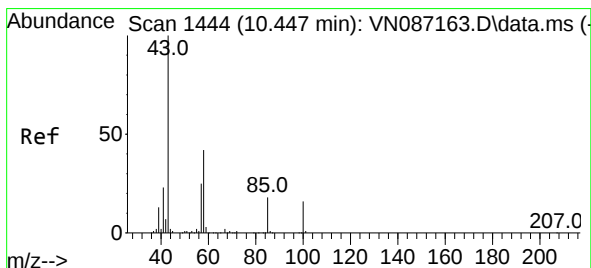
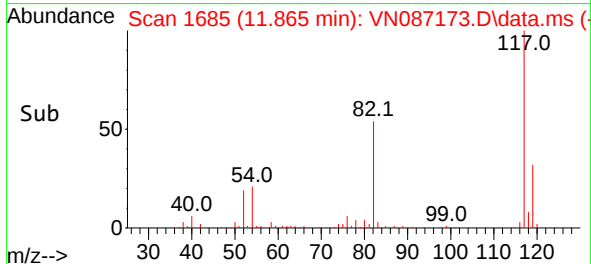
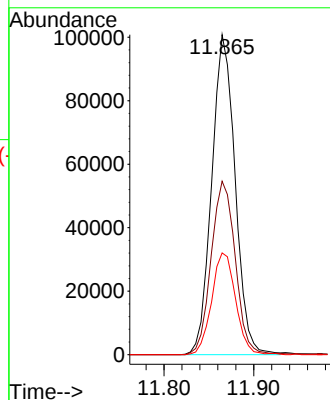
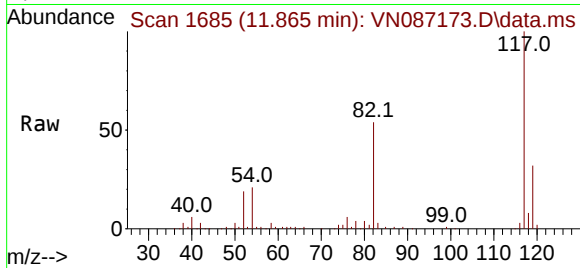




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087173.D
Acq: 25 Jun 2025 13:33

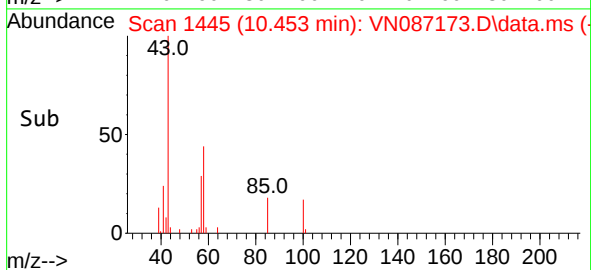
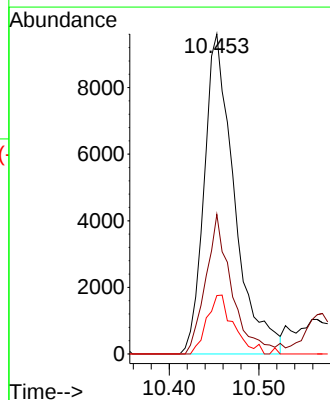
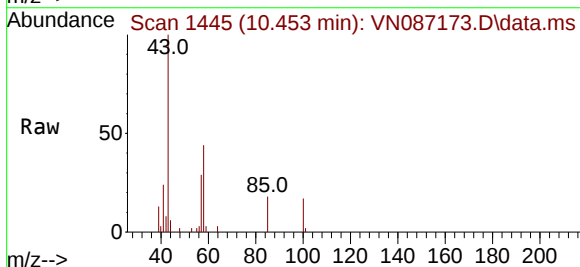
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JUNE)

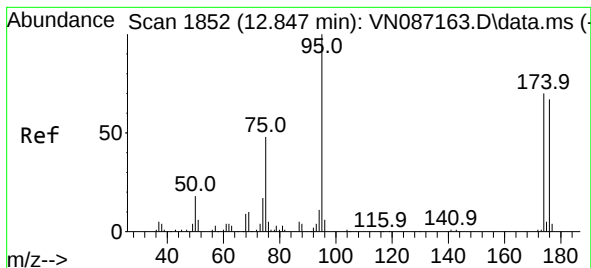
Tgt Ion:117 Resp: 182621
Ion Ratio Lower Upper
117 100
82 56.1 45.4 68.2
119 32.4 26.2 39.4



#58
4-Methyl-2-Pentanone
Concen: 6.117 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN087173.D
Acq: 25 Jun 2025 13:33

Tgt Ion: 43 Resp: 22458
Ion Ratio Lower Upper
43 100
58 37.7 32.6 49.0
85 15.7 14.6 22.0

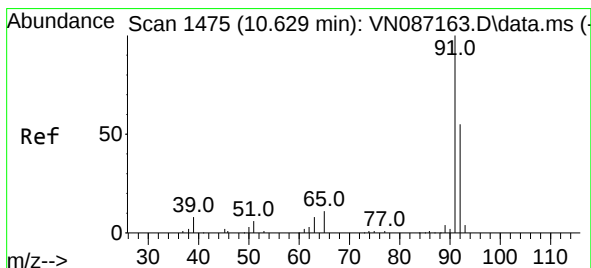
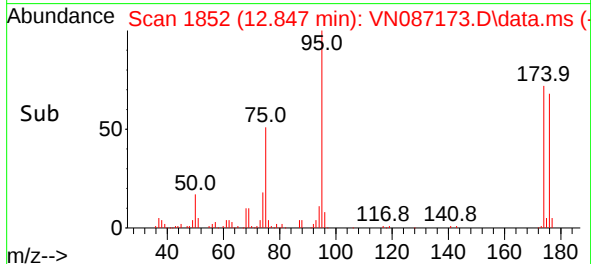
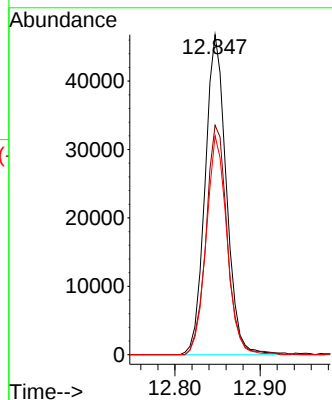
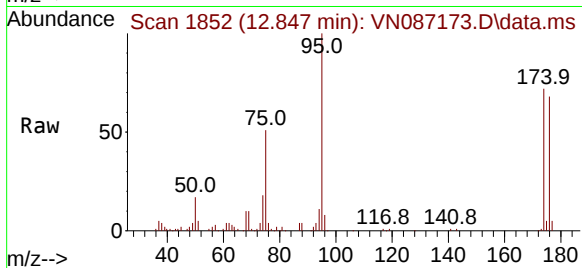




#60
4-Bromofluorobenzene
Concen: 28.666 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087173.D
Acq: 25 Jun 2025 13:33

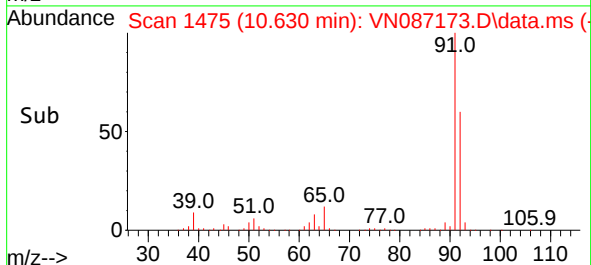
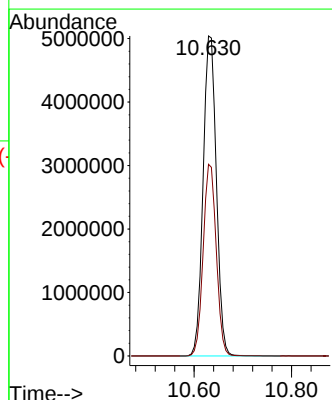
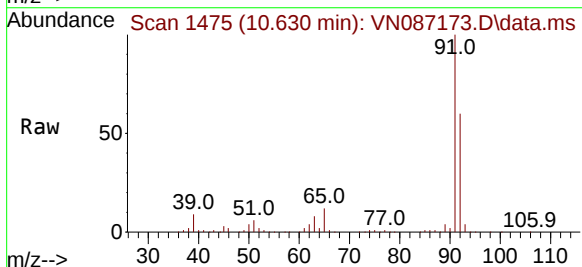
Instrument :
MSVOA_N
ClientSampleId :
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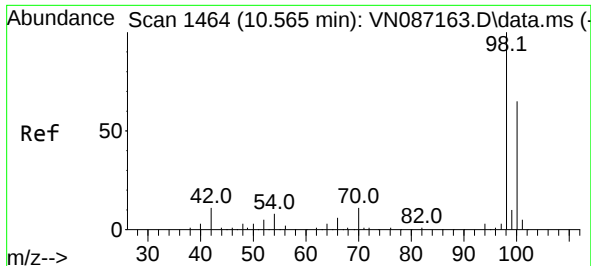
Tgt Ion: 95 Resp: 80783
Ion Ratio Lower Upper
95 100
174 70.7 54.5 81.7
176 66.9 51.9 77.9



#62
Toluene
Concen: 920.999 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN087173.D
Acq: 25 Jun 2025 13:33

Tgt Ion: 91 Resp: 9499318
Ion Ratio Lower Upper
91 100
92 59.2 45.8 68.8

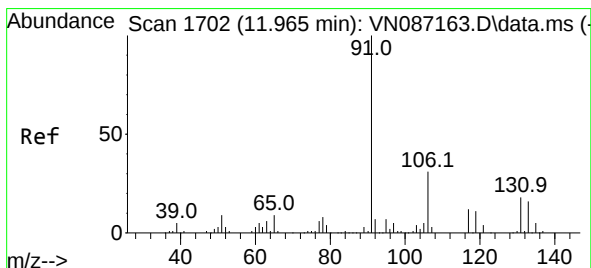
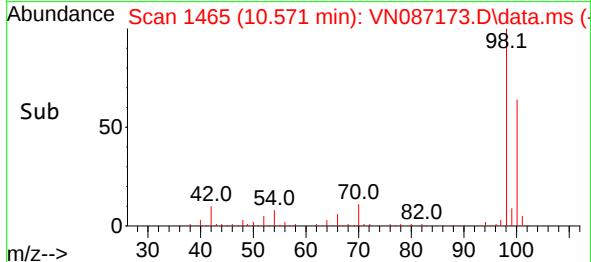
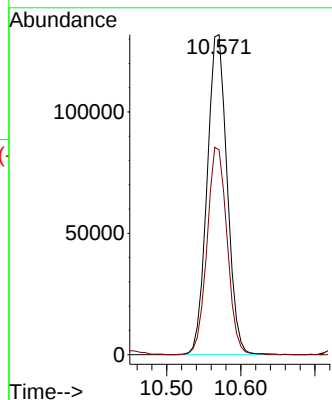
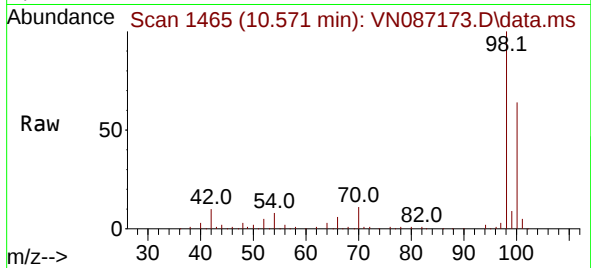




#63
Toluene-d8
Concen: 30.155 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN087173.D
Acq: 25 Jun 2025 13:33

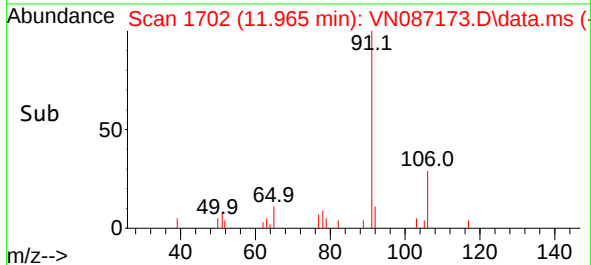
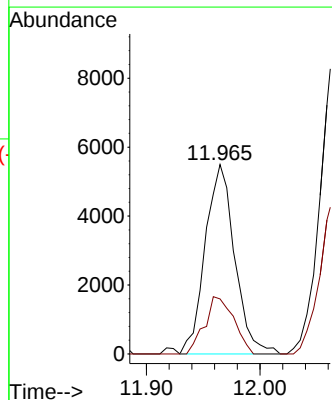
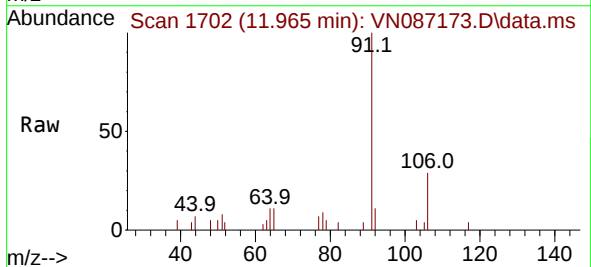
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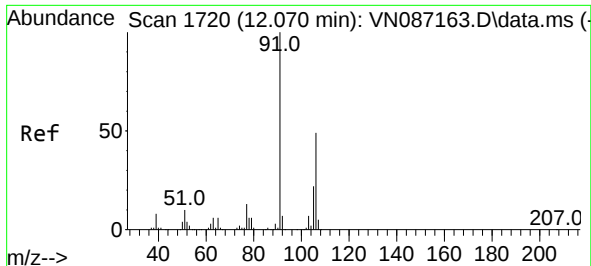
Tgt Ion: 98 Resp: 247262
Ion Ratio Lower Upper
98 100
100 64.9 52.5 78.7



#66
Ethyl Benzene
Concen: 0.880 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN087173.D
Acq: 25 Jun 2025 13:33

Tgt Ion: 91 Resp: 9939
Ion Ratio Lower Upper
91 100
106 29.1 24.8 37.2

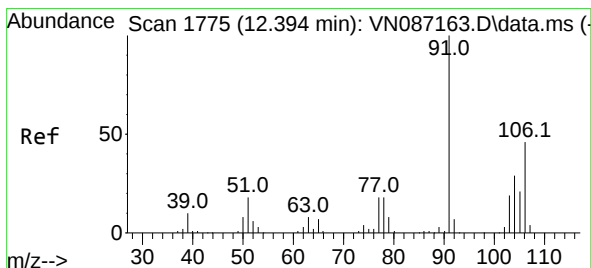
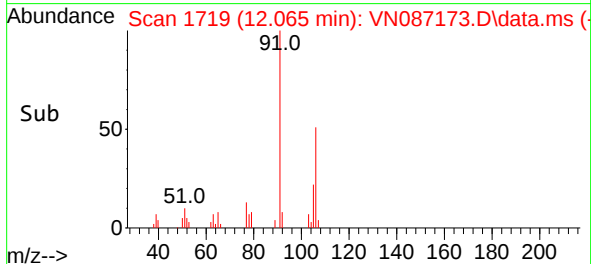
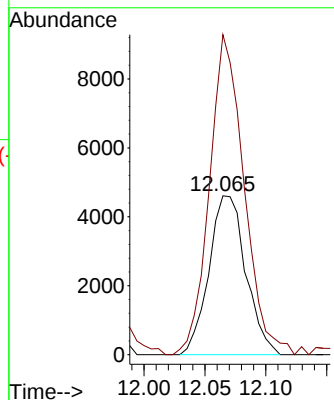
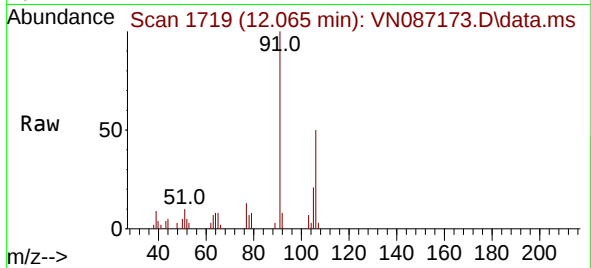




#67
m/p-Xylenes
Concen: 2.239 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN087173.D
Acq: 25 Jun 2025 13:33

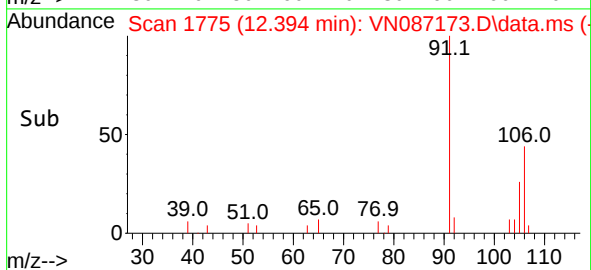
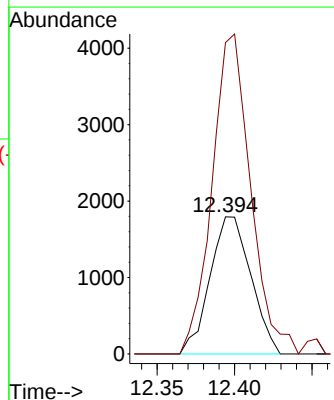
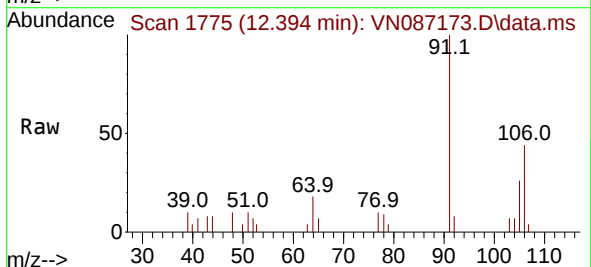
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JUNE)

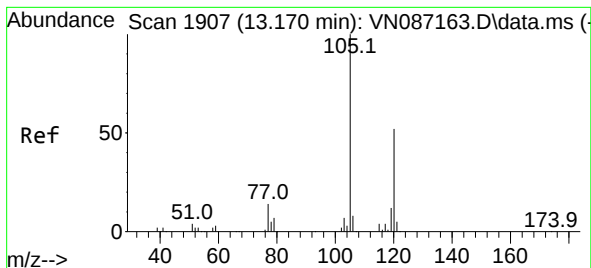
Tgt Ion:106 Resp: 9684
Ion Ratio Lower Upper
106 100
91 189.0 163.0 244.4



#68
o-Xylene
Concen: 0.799 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN087173.D
Acq: 25 Jun 2025 13:33

Tgt Ion:106 Resp: 3297
Ion Ratio Lower Upper
106 100
91 219.7 107.1 321.1





#76

1,3,5-Trimethylbenzene

Concen: 0.285 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN087173.D

Acq: 25 Jun 2025 13:33

Instrument :

MSVOA_N

ClientSampleId :

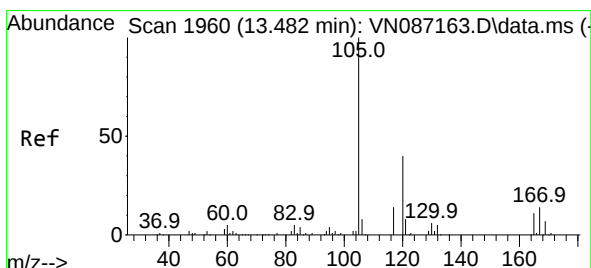
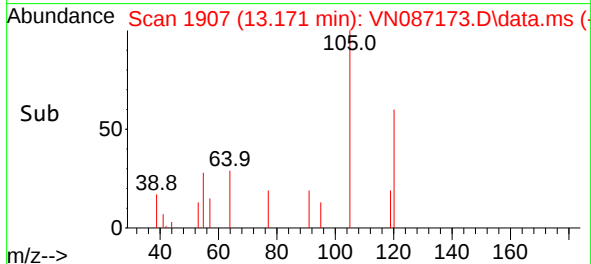
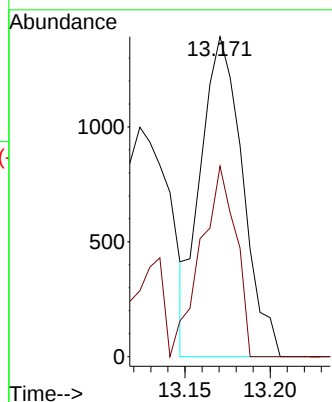
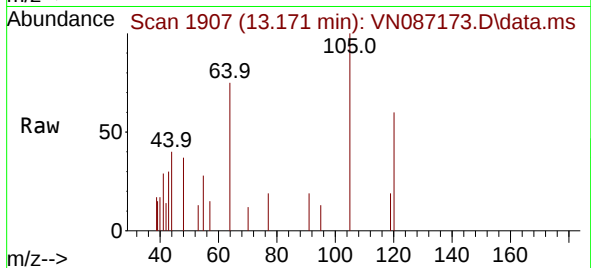
002-35TH-AVE(JUNE)

Tgt Ion:105 Resp: 2389

Ion Ratio Lower Upper

105 100

120 49.7 0.0 100.8



#80

1,2,4-Trimethylbenzene

Concen: 0.914 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. -0.006 min

Lab File: VN087173.D

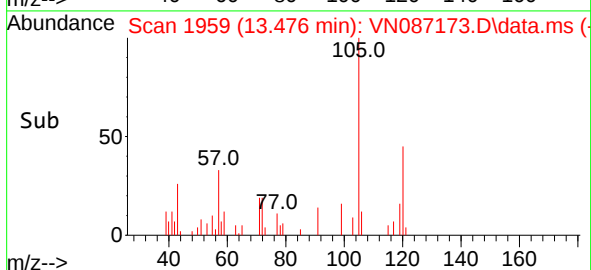
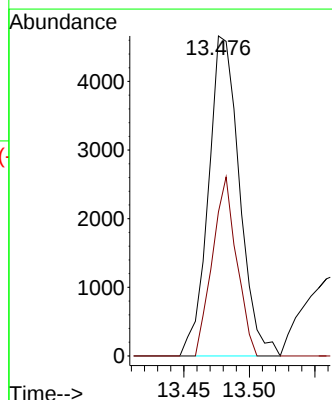
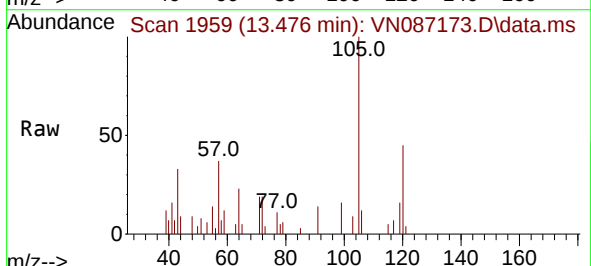
Acq: 25 Jun 2025 13:33

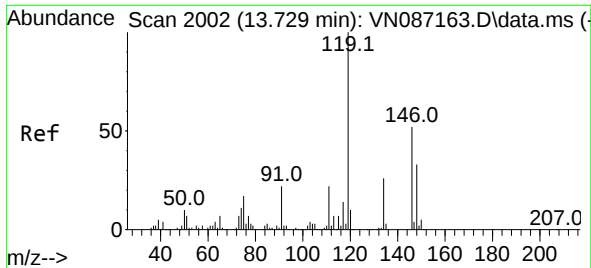
Tgt Ion:105 Resp: 7682

Ion Ratio Lower Upper

105 100

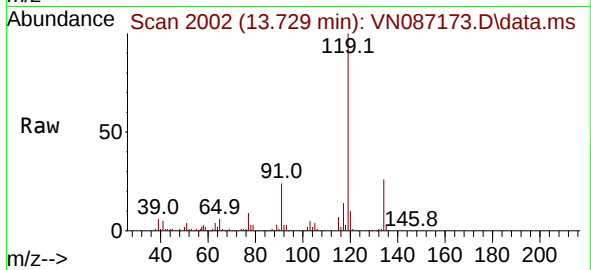
120 43.6 0.0 94.0





#82
 p-Isopropyltoluene
 Concen: 12.315 ug/l
 RT: 13.729 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN087173.D
 Acq: 25 Jun 2025 13:33

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



Tgt Ion:	119	Resp:	104798
Ion	Ratio	Lower	Upper
119	100		
134	25.6	0.0	51.2
91	24.2	0.0	46.4

