

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062525\
 Data File : VN087175.D
 Acq On : 25 Jun 2025 14:15
 Operator : JC\MD
 Sample : Q2349-04DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Jun 25 15:31:34 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)

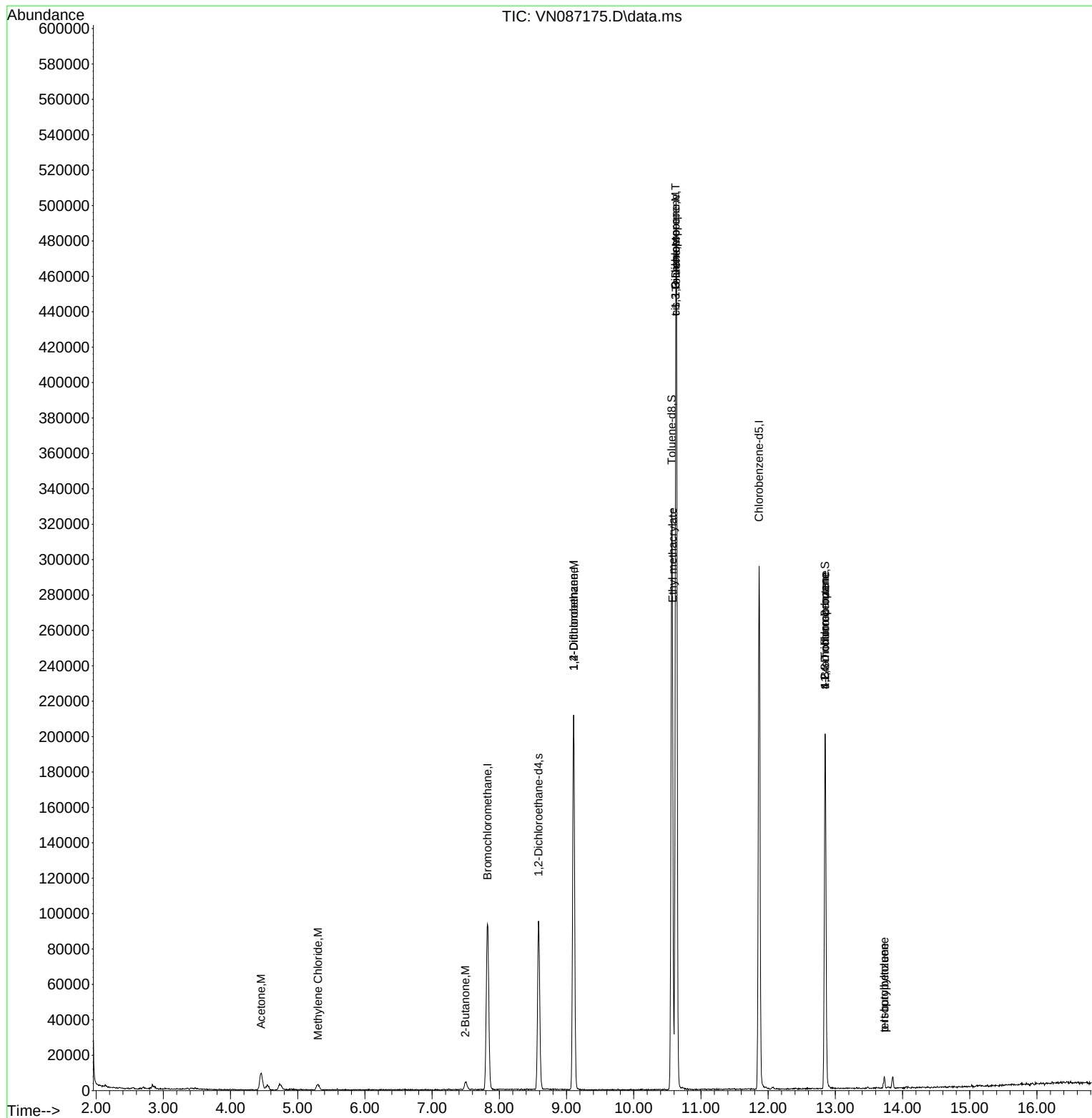
Internal Standards						
1) Bromochloromethane	7.824	128	36435	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	187691	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	177573	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	79071	28.803	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.000%
60) 4-Bromofluorobenzene	12.847	95	78209	28.542	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.133%
63) Toluene-d8	10.565	98	237981	29.848	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.500%
Target Compounds						
					Qvalue	
15) Acetone	4.453	58	6453	13.699	ug/l	97
18) Methylene Chloride	5.300	84	1489	0.582	ug/l #	86
30) 2-Butanone	7.494	43	8722	4.420	ug/l #	70
36) 1,2-Dichloroethane	9.106	62	6152	2.054	ug/l #	75
48) t-1,3-Dichloropropene	10.624	75	2553	0.717	ug/l #	1
49) cis-1,3-Dichloropropene	10.624	75	2553	0.675	ug/l #	1
51) Ethyl methacrylate	10.577	69	842	0.246	ug/l #	68
62) Toluene	10.630	91	394572	39.343	ug/l	98
72) 1,2,3-Trichloropropane	12.847	75	37962	12.236	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	37962	27.586	ug/l #	13
79) tert-butylbenzene	13.729	119	4465	0.653	ug/l	60
82) p-Isopropyltoluene	13.729	119	4465	0.540	ug/l	94

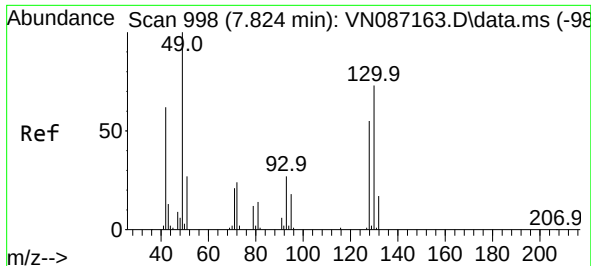
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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002-35TH-AVE(JUNE)DL

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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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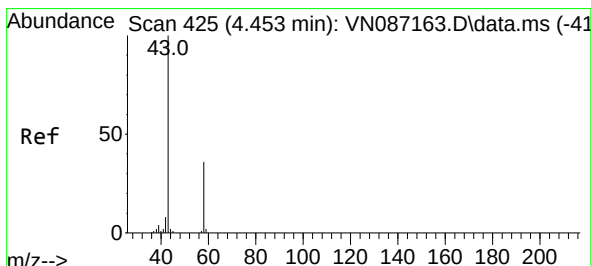
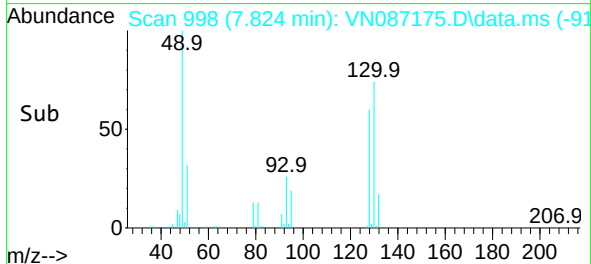
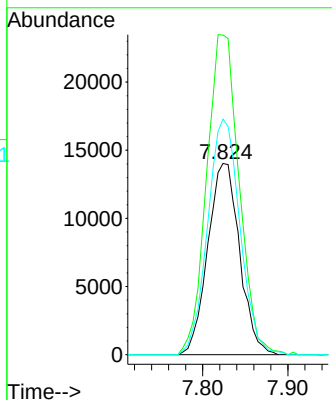
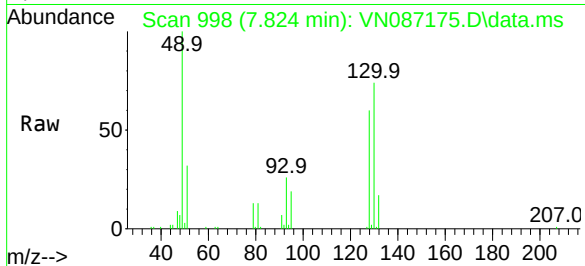




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN087175.D
Acq: 25 Jun 2025 14:15

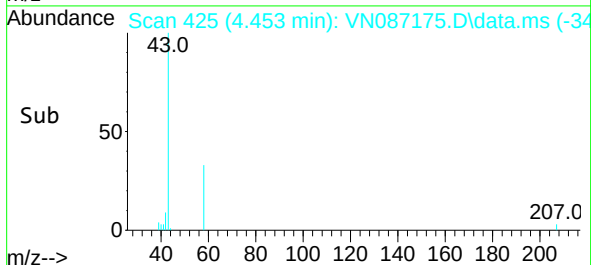
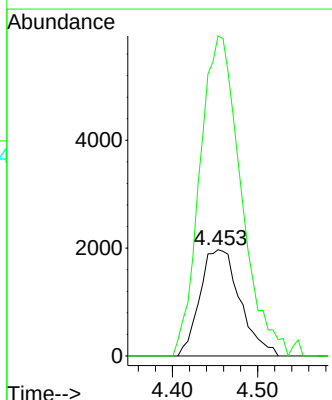
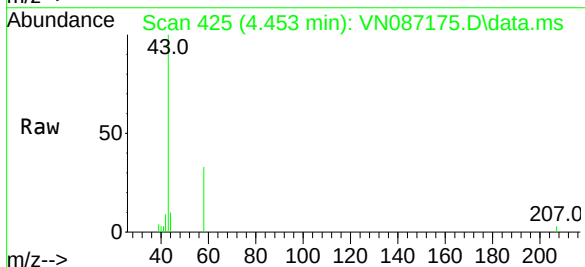
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JUNE)DL

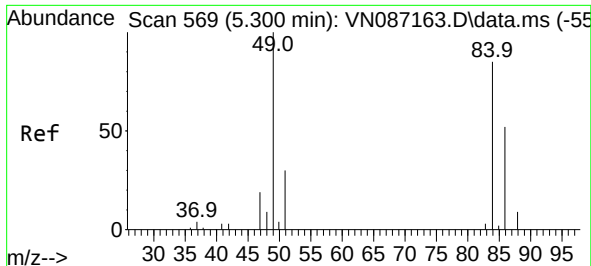
Tgt Ion	Ratio	Lower	Upper
128	100		
49	170.5	0.0	450.5
130	125.2	0.0	320.7



#15
Acetone
Concen: 13.699 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.000 min
Lab File: VN087175.D
Acq: 25 Jun 2025 14:15

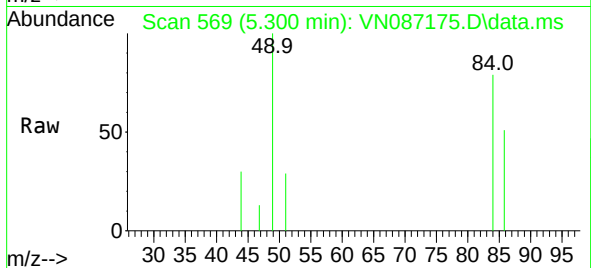
Tgt Ion	Ratio	Lower	Upper
58	100		
43	286.1	224.3	336.5



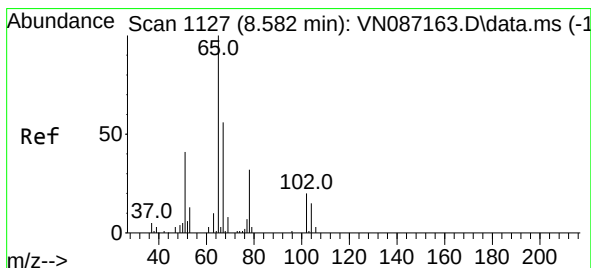
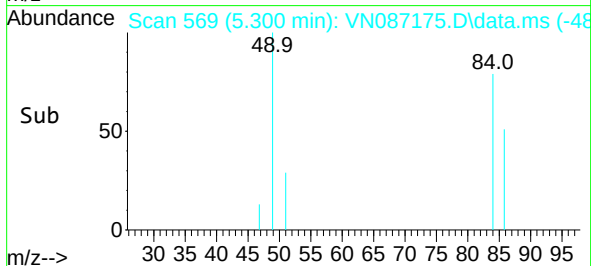
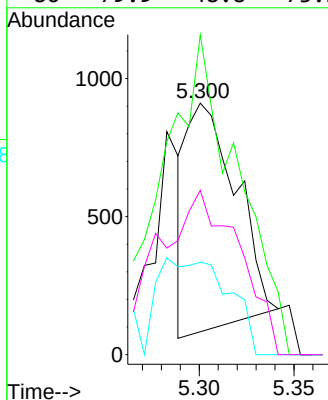


#18
Methylene Chloride
Concen: 0.582 ug/l
RT: 5.300 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN087175.D
Acq: 25 Jun 2025 14:15

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

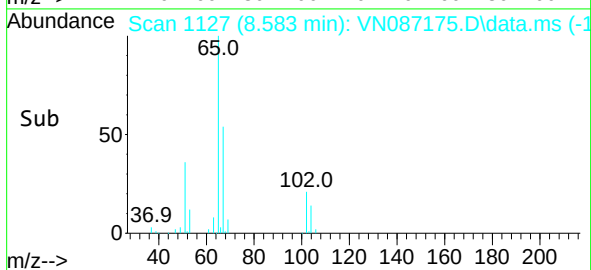
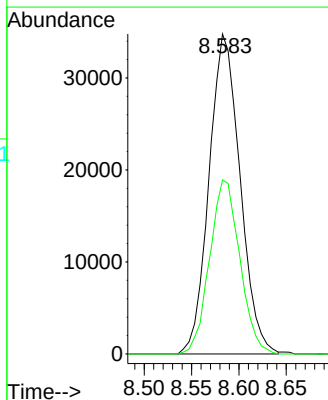
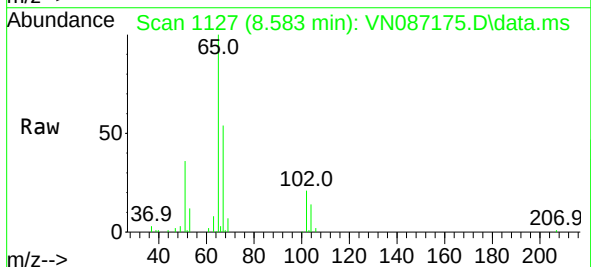


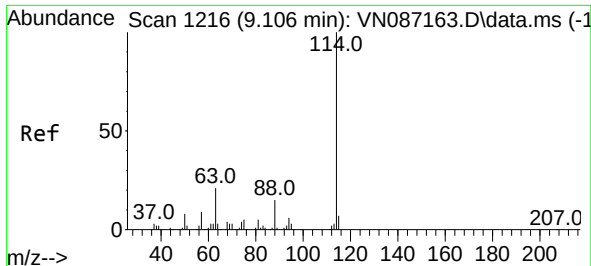
Tgt Ion:	84	Resp:	1489
Ion	Ratio	Lower	Upper
84	100		
49	125.1	94.0	141.0
51	45.0	28.3	42.5#
86	79.9	48.8	73.2#



#27
1,2-Dichloroethane-d4
Concen: 28.803 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN087175.D
Acq: 25 Jun 2025 14:15

Tgt Ion:	65	Resp:	79071
Ion	Ratio	Lower	Upper
65	100		
67	53.0	41.9	62.9

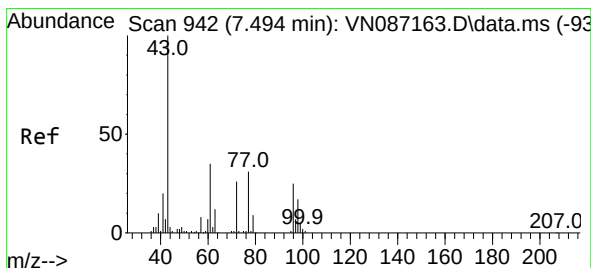
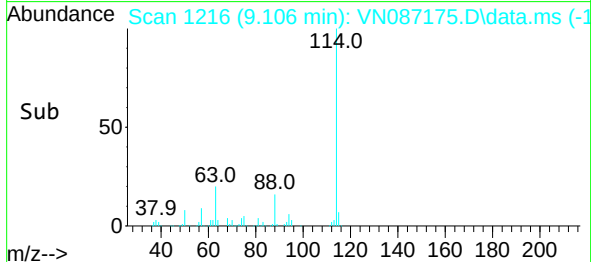
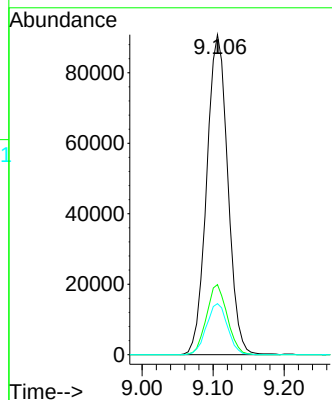
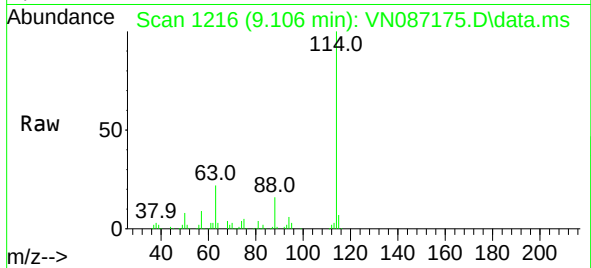




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087175.D
Acq: 25 Jun 2025 14:15

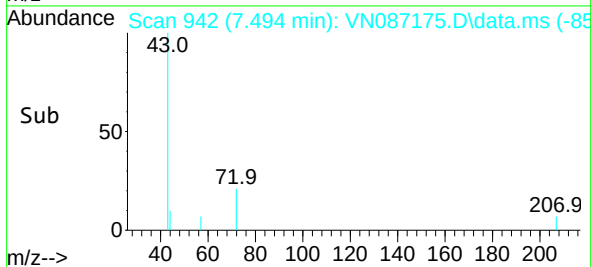
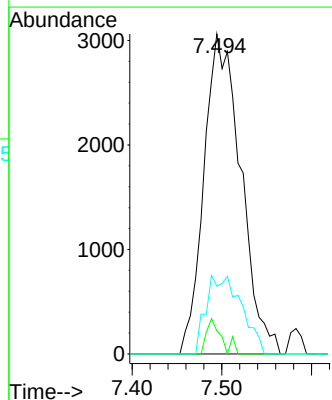
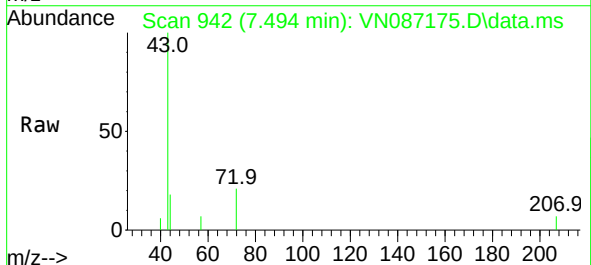
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JUNE)DL

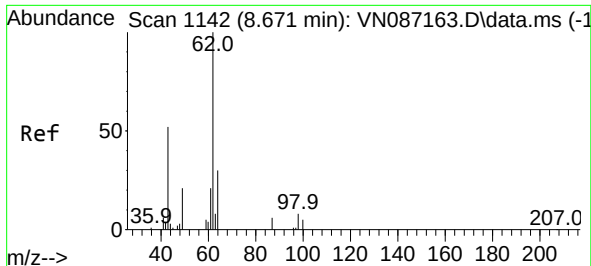
Tgt Ion:114 Resp: 187691
Ion Ratio Lower Upper
114 100
63 21.5 17.0 25.4
88 15.9 12.6 19.0



#30
2-Butanone
Concen: 4.420 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN087175.D
Acq: 25 Jun 2025 14:15

Tgt Ion: 43 Resp: 8722
Ion Ratio Lower Upper
43 100
57 3.8 6.3 9.5#
72 8.7 21.8 32.6#





#36

1,2-Dichloroethane

Concen: 2.054 ug/l

RT: 9.106 min Scan# 1142

Delta R.T. 0.435 min

Lab File: VN087175.D

Acq: 25 Jun 2025 14:15

Instrument :

MSVOA_N

ClientSampleId :

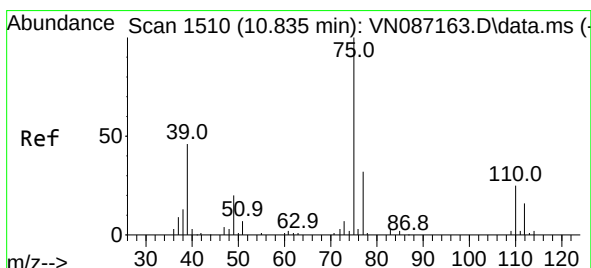
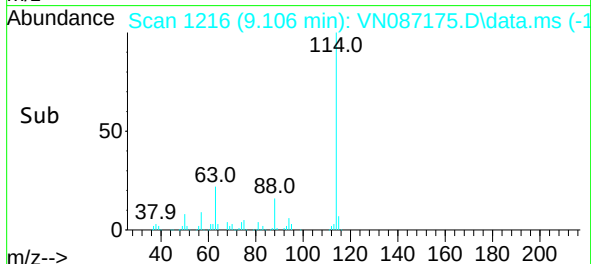
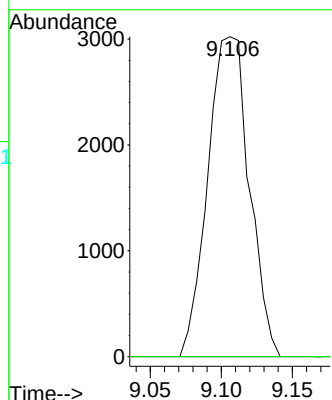
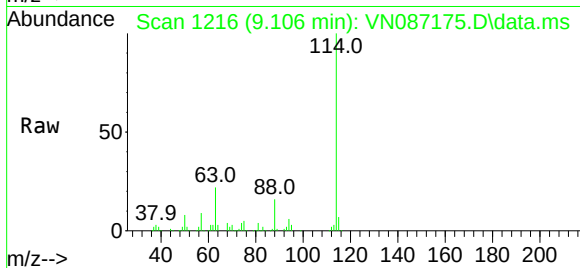
002-35TH-AVE(JUNE)DL

Tgt Ion: 62 Resp: 6152

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



#48

t-1,3-Dichloropropene

Concen: 0.717 ug/l

RT: 10.624 min Scan# 1474

Delta R.T. -0.212 min

Lab File: VN087175.D

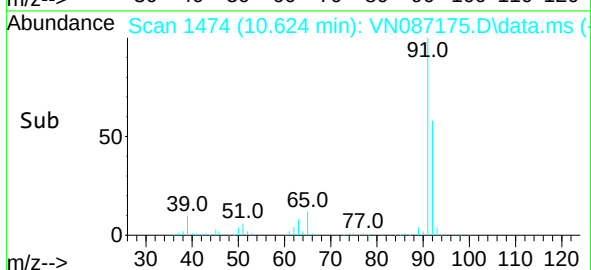
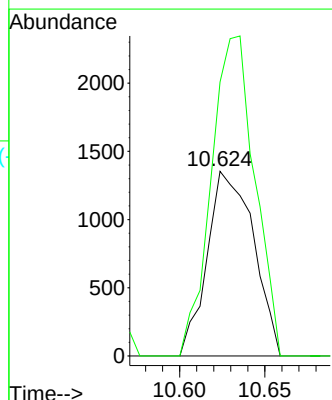
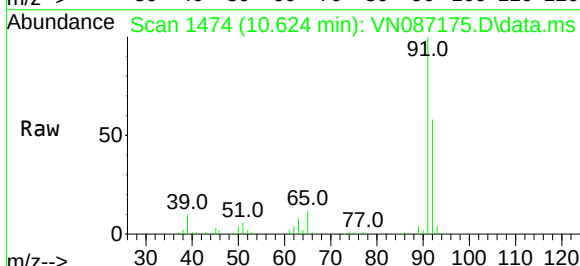
Acq: 25 Jun 2025 14:15

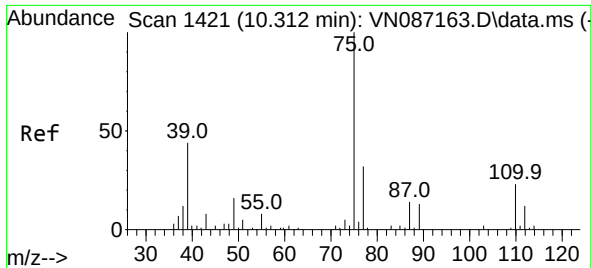
Tgt Ion: 75 Resp: 2553

Ion Ratio Lower Upper

75 100

77 148.3 25.4 38.0#

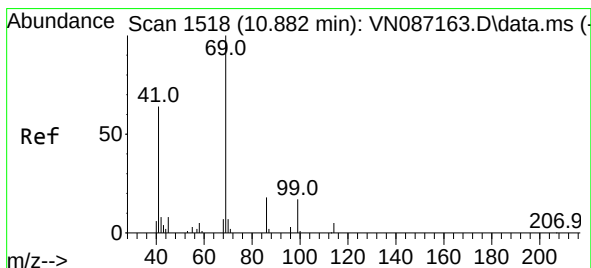
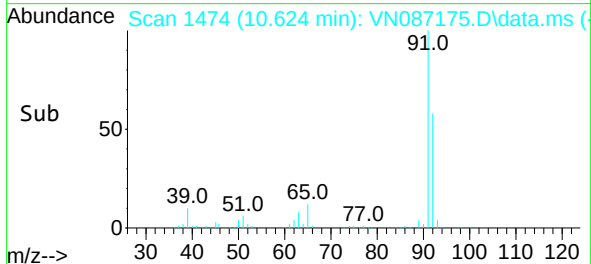
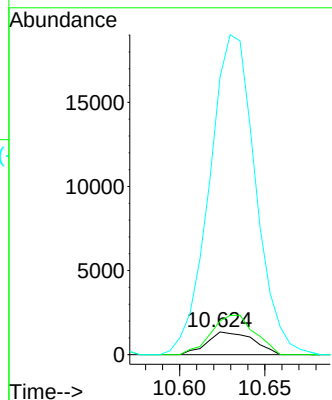
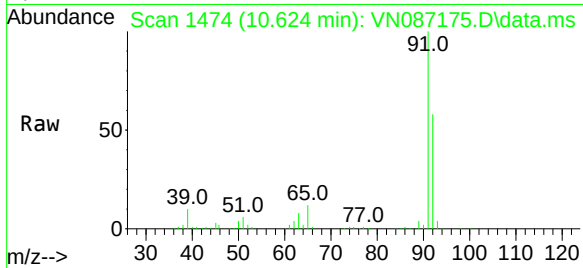




#49
cis-1,3-Dichloropropene
Concen: 0.675 ug/l
RT: 10.624 min Scan# 1466
Delta R.T. 0.312 min
Lab File: VN087175.D
Acq: 25 Jun 2025 14:15

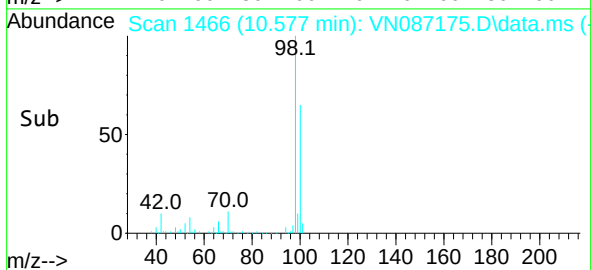
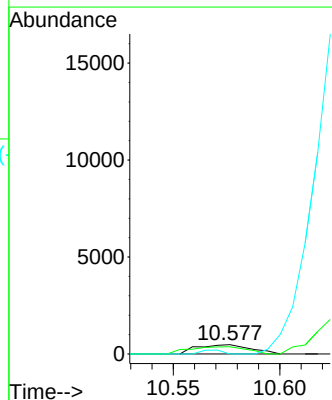
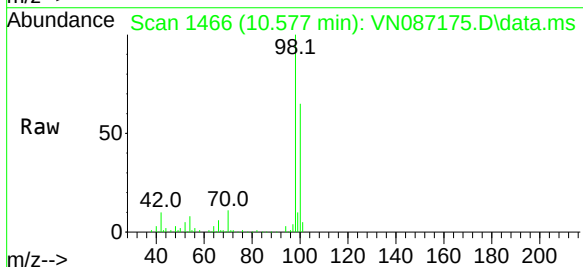
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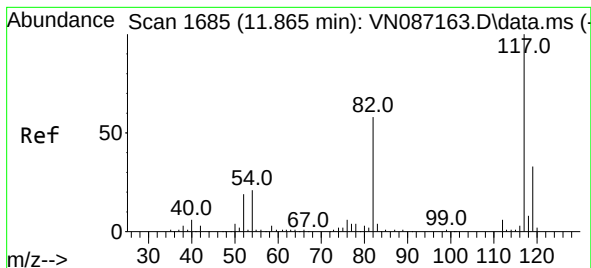
Tgt Ion: 75 Resp: 2553
Ion Ratio Lower Upper
75 100
77 148.3 25.4 38.2#
39 1145.1 35.3 52.9#



#51
Ethyl methacrylate
Concen: 0.246 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. -0.306 min
Lab File: VN087175.D
Acq: 25 Jun 2025 14:15

Tgt Ion: 69 Resp: 842
Ion Ratio Lower Upper
69 100
41 78.9 31.8 95.3
39 0.0 15.3 45.8#

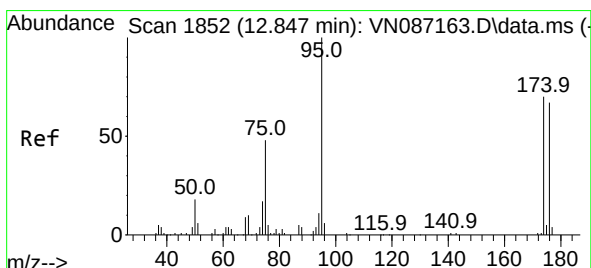
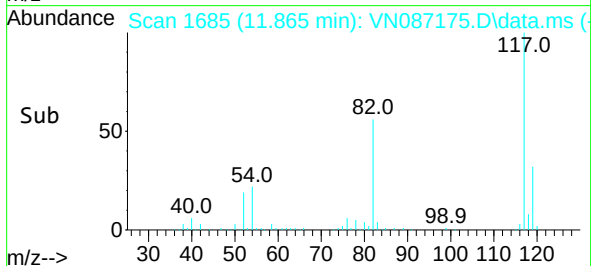
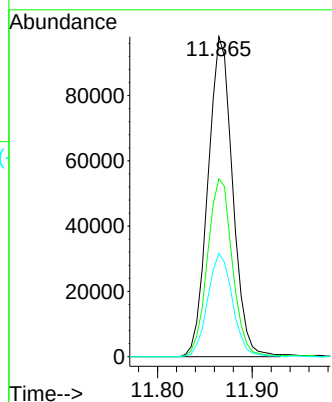
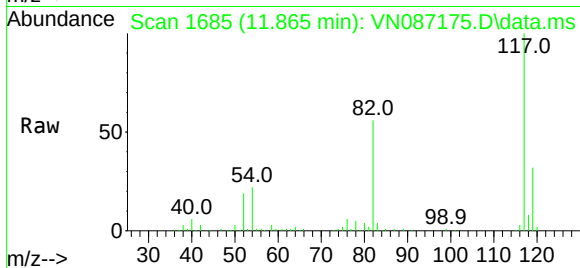




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1175
Delta R.T. 0.000 min
Lab File: VN087175.D
Acq: 25 Jun 2025 14:15

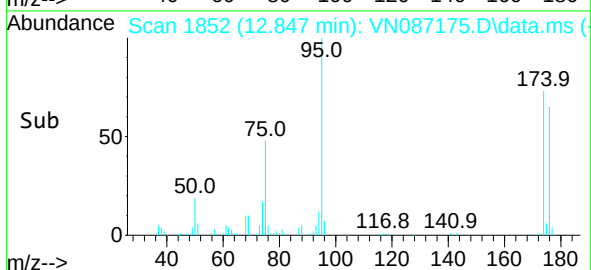
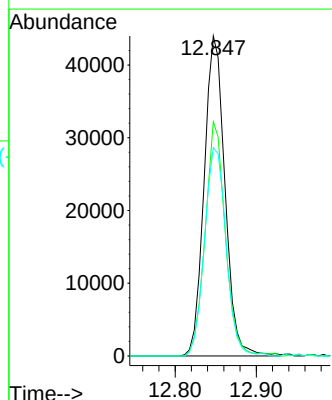
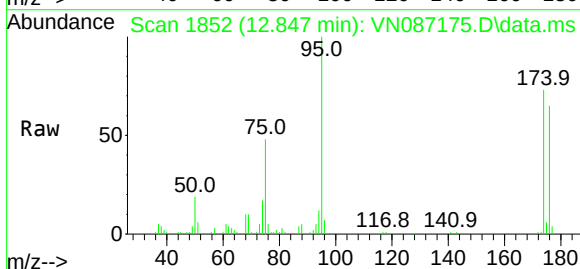
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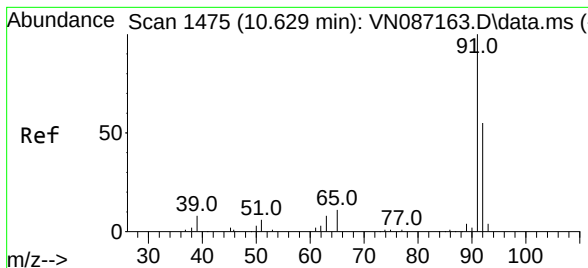
Tgt Ion:117 Resp: 177573
Ion Ratio Lower Upper
117 100
82 56.1 45.4 68.2
119 32.4 26.2 39.4



#60
4-Bromofluorobenzene
Concen: 28.542 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087175.D
Acq: 25 Jun 2025 14:15

Tgt Ion: 95 Resp: 78209
Ion Ratio Lower Upper
95 100
174 70.5 54.5 81.7
176 67.3 51.9 77.9





#62

Toluene

Concen: 39.343 ug/l

RT: 10.630 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN087175.D

Acq: 25 Jun 2025 14:15

Instrument :

MSVOA_N

ClientSampleId :

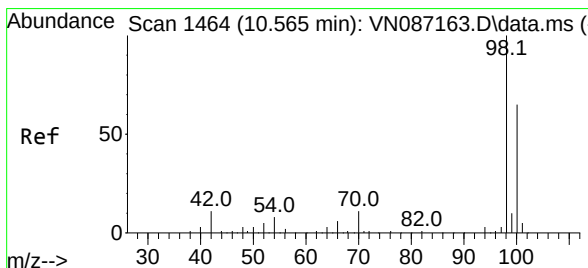
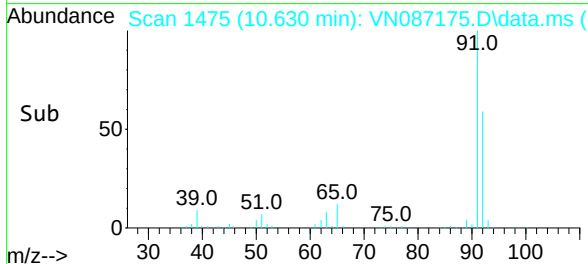
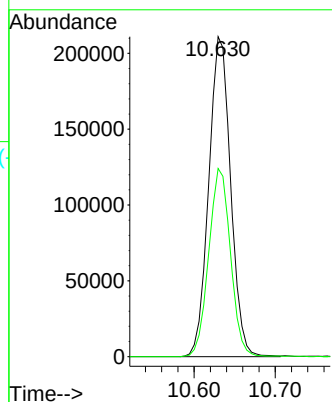
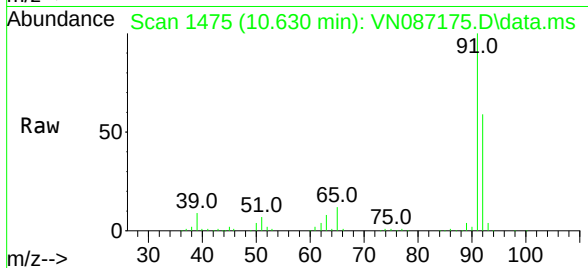
002-35TH-AVE(JUNE)DL

Tgt Ion: 91 Resp: 394572

Ion Ratio Lower Upper

91 100

92 58.4 45.8 68.8



#63

Toluene-d8

Concen: 29.848 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN087175.D

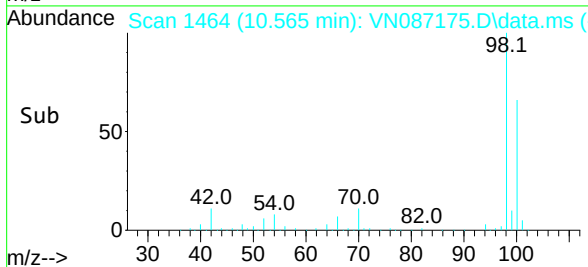
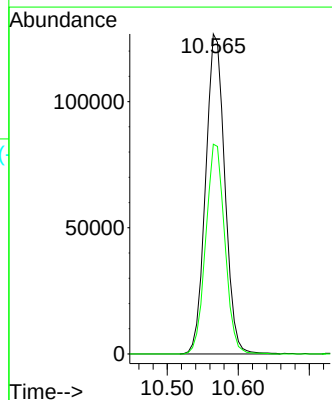
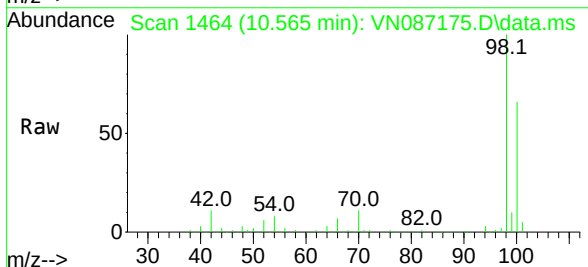
Acq: 25 Jun 2025 14:15

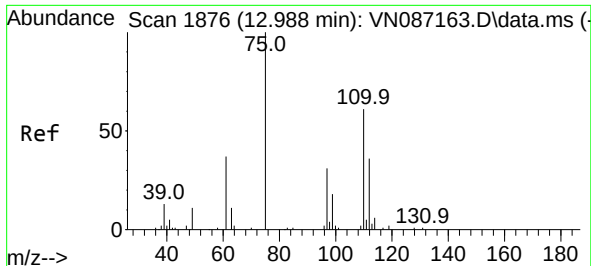
Tgt Ion: 98 Resp: 237981

Ion Ratio Lower Upper

98 100

100 65.2 52.5 78.7

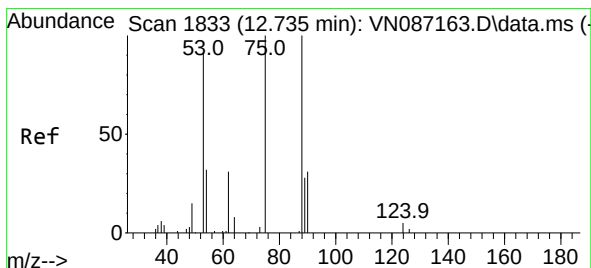
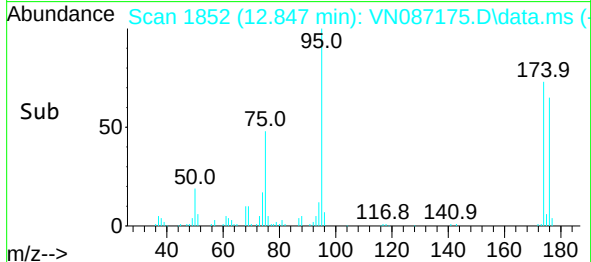
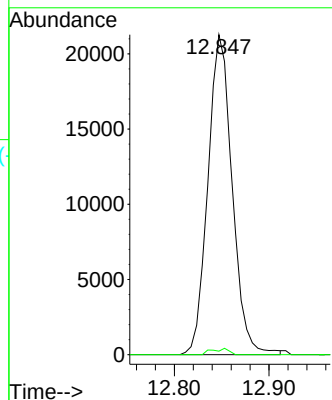
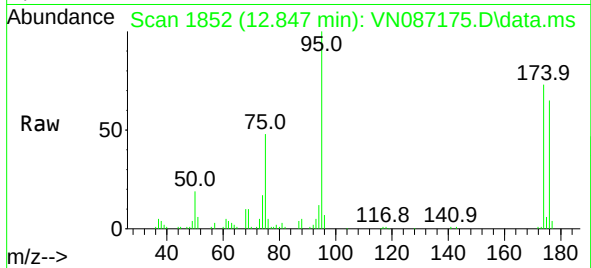




#72
1,2,3-Trichloropropane
Concen: 12.236 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN087175.D
Acq: 25 Jun 2025 14:15

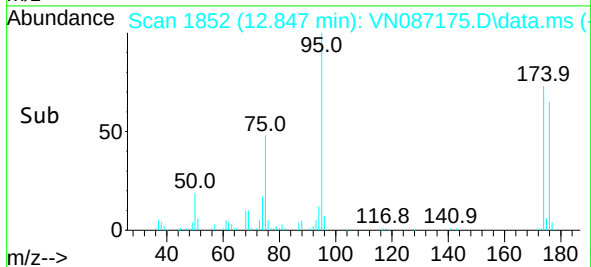
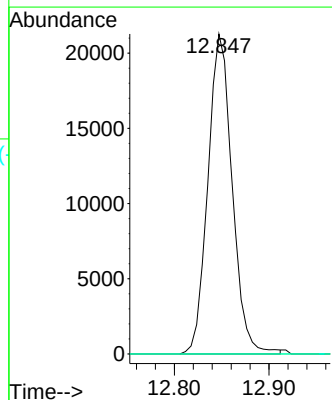
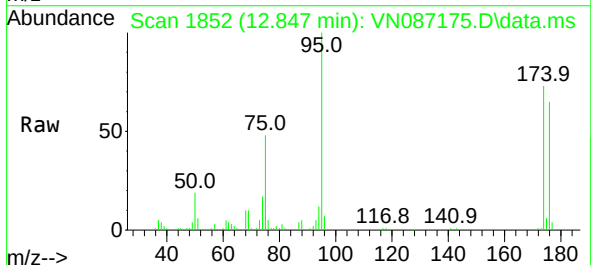
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JUNE)DL

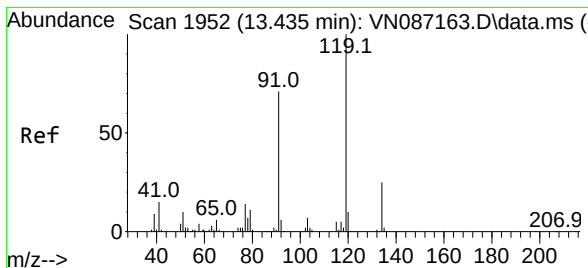
Tgt Ion: 75 Resp: 37962
Ion Ratio Lower Upper
75 100
77 0.6 0.0 379.2



#77
t-1,4-Dichloro-2-butene
Concen: 27.586 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087175.D
Acq: 25 Jun 2025 14:15

Tgt Ion: 75 Resp: 37962
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.6#
89 0.0 22.3 66.9#





#79

tert-butylbenzene

Concen: 0.653 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.294 min

Lab File: VN087175.D

Acq: 25 Jun 2025 14:15

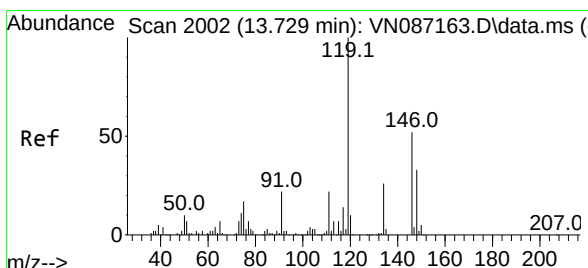
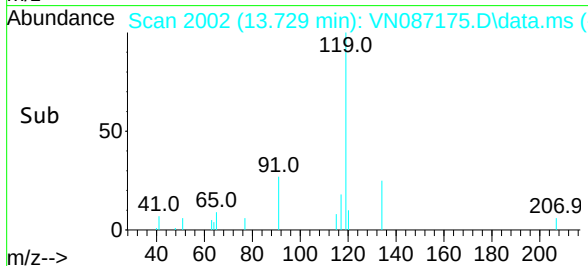
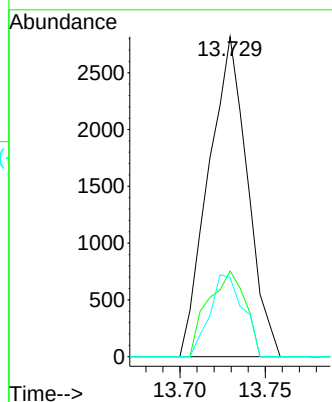
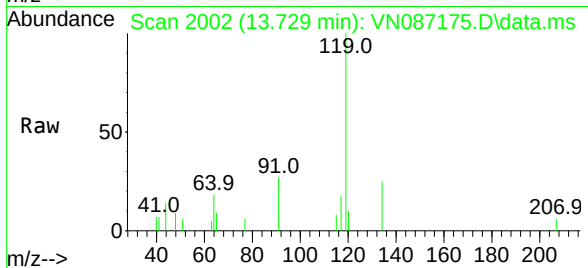
Instrument :

MSVOA_N

ClientSampleId :

002-35TH-AVE(JUNE)DL

Tgt Ion:119	Resp:	4465
Ion	Ratio	Lower Upper
119	100	
91	25.7	0.0 137.0
134	22.0	0.0 49.4



#82

p-Isopropyltoluene

Concen: 0.540 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN087175.D

Acq: 25 Jun 2025 14:15

Tgt Ion:119	Resp:	4465
Ion	Ratio	Lower Upper
119	100	
134	22.0	0.0 51.2
91	25.7	0.0 46.4

