

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072225\
 Data File : VN087396.D
 Acq On : 22 Jul 2025 17:49
 Operator : JC\MD
 Sample : Q2669-02DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002 35th Ave (JUNE)DL

Quant Time: Jul 23 05:58:31 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)

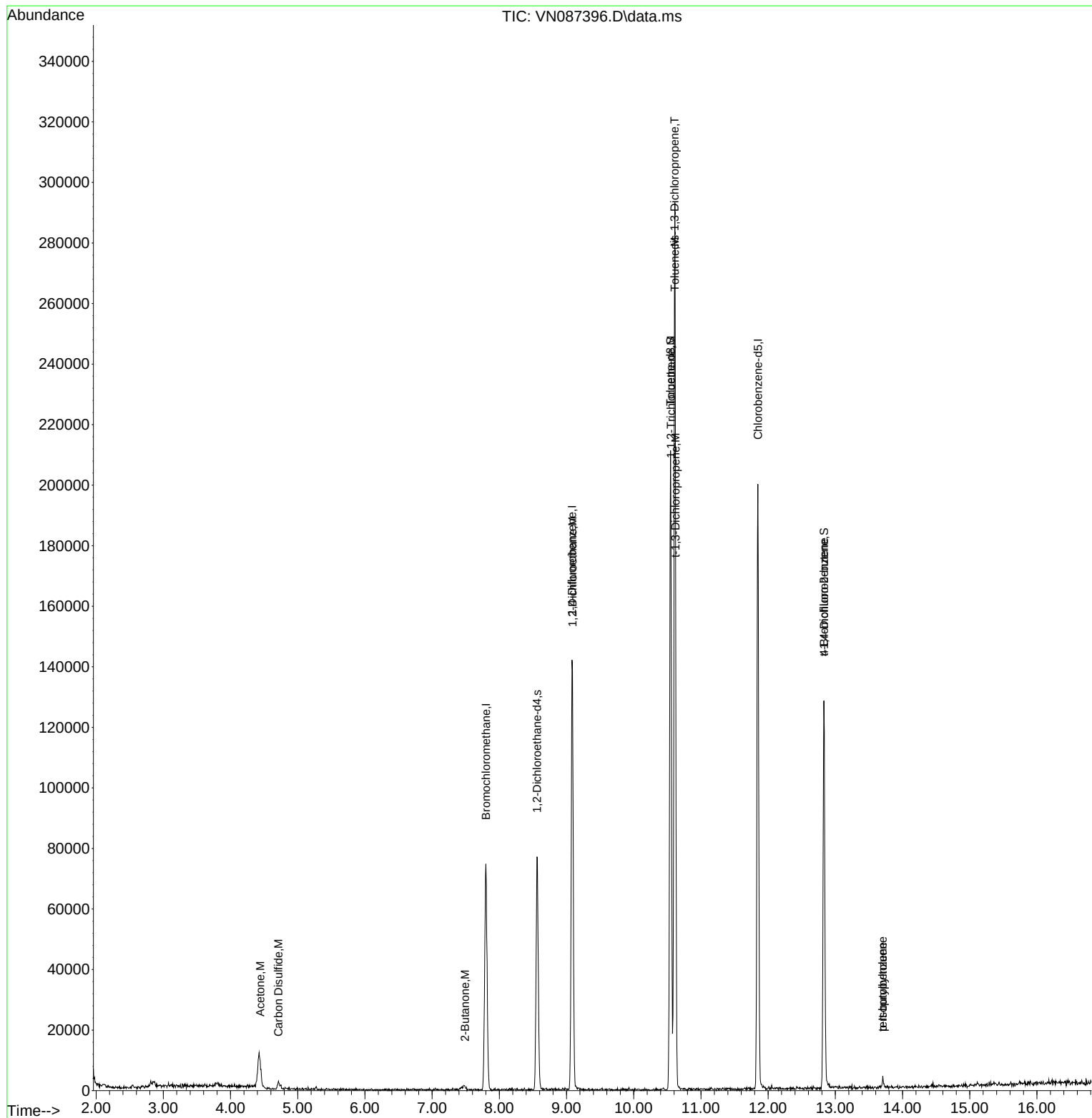
Internal Standards						
1) Bromochloromethane	7.800	128	25071	30.000	ug/l	-0.02
28) 1,4-Difluorobenzene	9.083	114	120236	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.847	117	108734	30.000	ug/l	-0.02
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	64915	34.365	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 110	Recovery	=	114.567%#
60) 4-Bromofluorobenzene	12.829	95	44008	26.228	ug/l	-0.02
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.433%
63) Toluene-d8	10.547	98	144327	29.562	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.533%
Target Compounds						
					Qvalue	
15) Acetone	4.442	58	2369	7.309	ug/l	96
16) Carbon Disulfide	4.712	76	944	0.213	ug/l #	75
30) 2-Butanone	7.489	43	776	0.614	ug/l #	91
36) 1,2-Dichloroethane	9.088	62	4590	2.393	ug/l #	75
48) t-1,3-Dichloropropene	10.624	75	747	0.328	ug/l #	1
49) cis-1,3-Dichloropropene	10.606	75	1102	0.455	ug/l #	1
50) 1,1,2-Trichloroethane	10.553	97	5342	3.711	ug/l #	1
62) Toluene	10.612	91	214012	34.849	ug/l	98
77) t-1,4-Dichloro-2-butene	12.829	75	24065	28.558	ug/l #	13
79) tert-butylbenzene	13.706	119	2433	0.581	ug/l	46
82) p-Isopropyltoluene	13.706	119	2433	0.480	ug/l	80

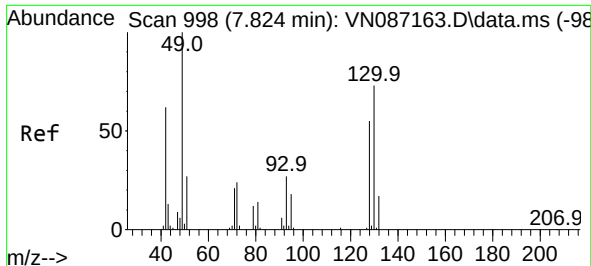
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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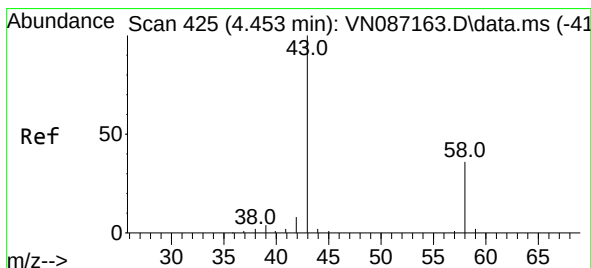
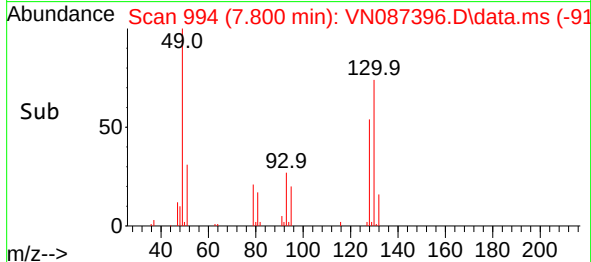
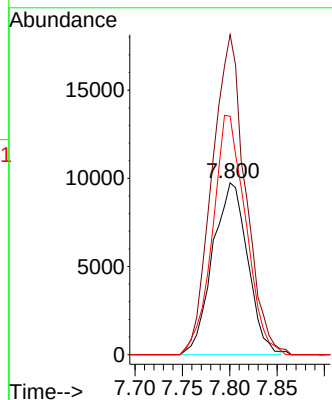
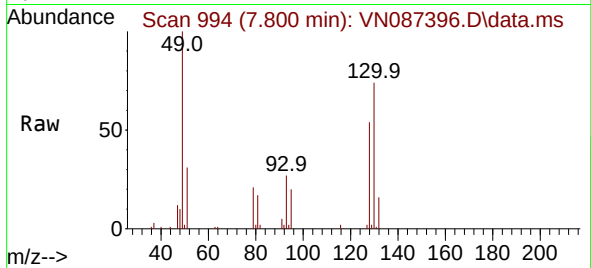




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 91
Delta R.T. -0.024 min
Lab File: VN087396.D
Acq: 22 Jul 2025 17:49

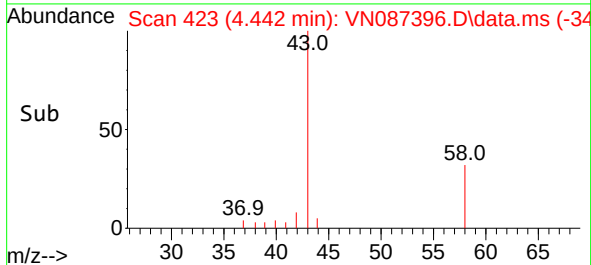
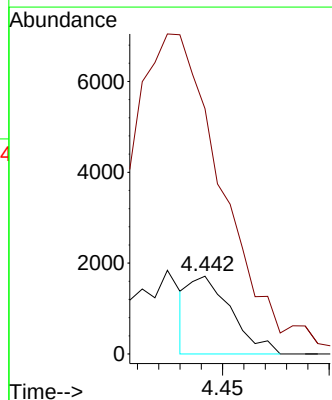
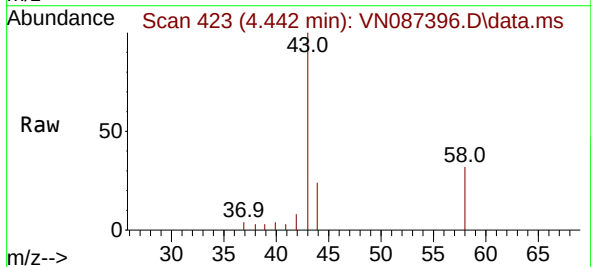
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (JUNE)DL

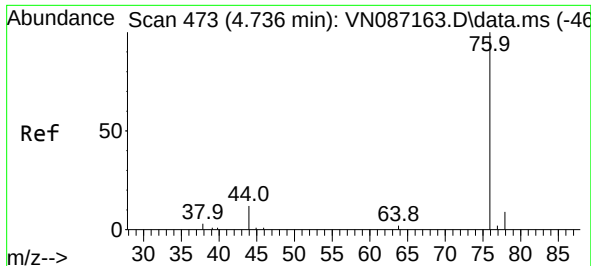
Tgt Ion:128 Resp: 25071
Ion Ratio Lower Upper
128 100
49 177.8 0.0 450.5
130 131.7 0.0 320.7



#15
Acetone
Concen: 7.309 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.012 min
Lab File: VN087396.D
Acq: 22 Jul 2025 17:49

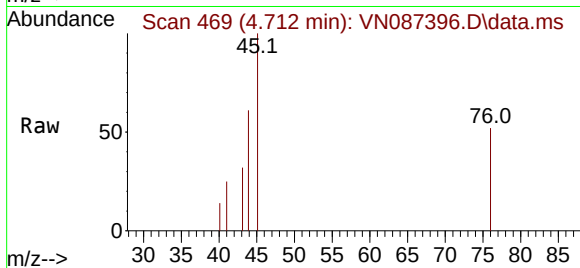
Tgt Ion: 58 Resp: 2369
Ion Ratio Lower Upper
58 100
43 288.7 224.3 336.5



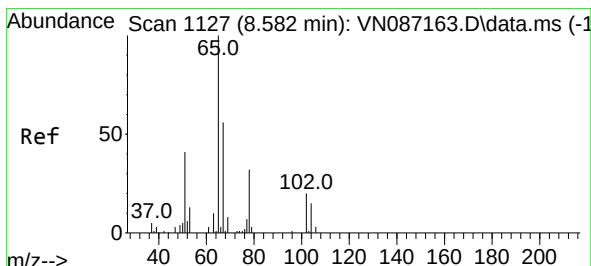
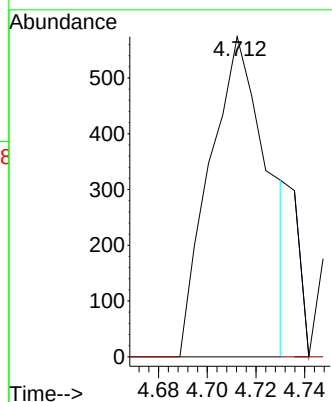
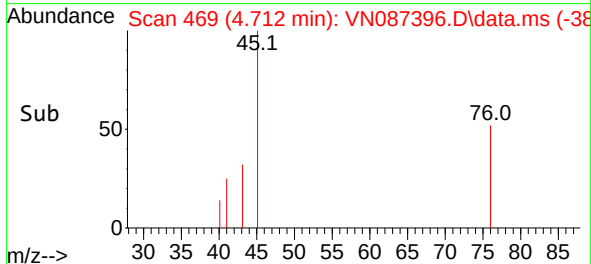


#16
Carbon Disulfide
Concen: 0.213 ug/l
RT: 4.712 min Scan# 41
Delta R.T. -0.023 min
Lab File: VN087396.D
Acq: 22 Jul 2025 17:49

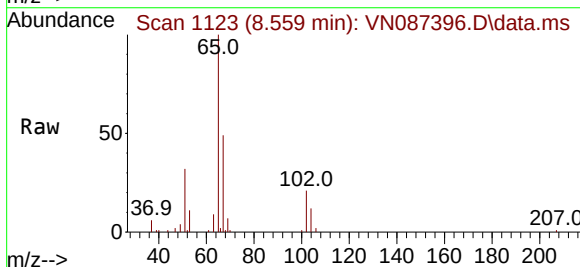
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (JUNE)DL



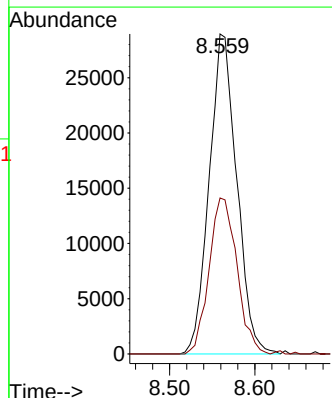
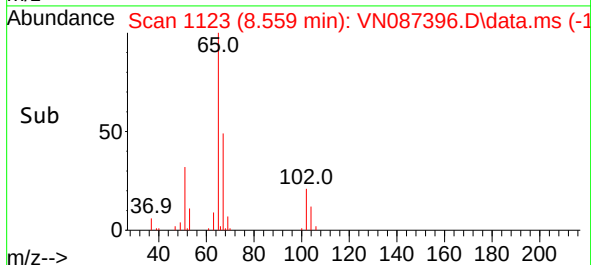
Tgt Ion: 76 Resp: 944
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

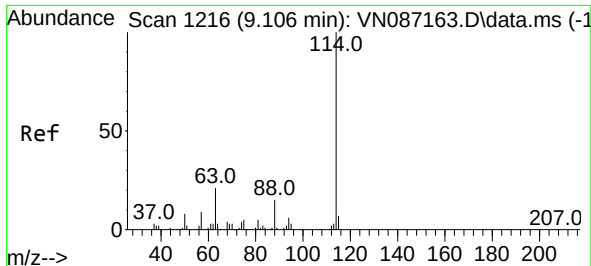


#27
1,2-Dichloroethane-d4
Concen: 34.365 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.023 min
Lab File: VN087396.D
Acq: 22 Jul 2025 17:49



Tgt Ion: 65 Resp: 64915
Ion Ratio Lower Upper
65 100
67 49.4 41.9 62.9





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. -0.023 min

Lab File: VN087396.D

Acq: 22 Jul 2025 17:49

Instrument :

MSVOA_N

ClientSampleId :

002 35th Ave (JUNE)DL

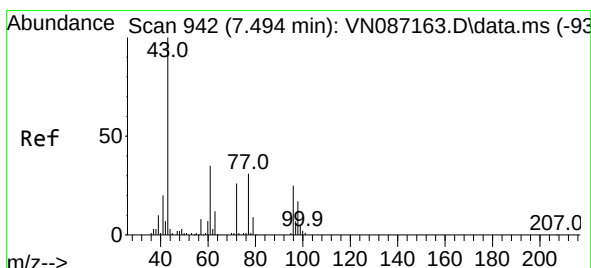
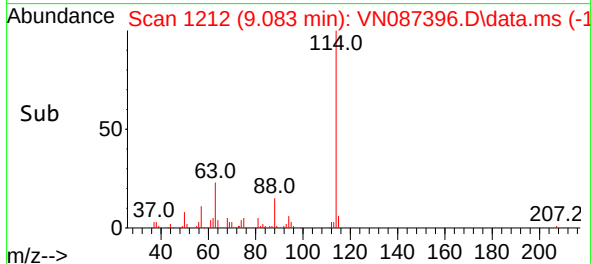
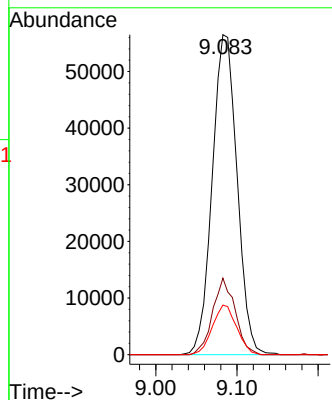
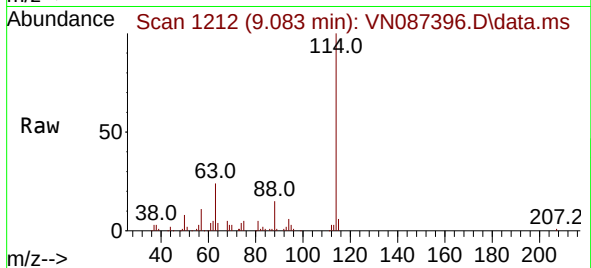
Tgt Ion:114 Resp: 120236

Ion Ratio Lower Upper

114 100

63 21.7 17.0 25.4

88 15.1 12.6 19.0



#30

2-Butanone

Concen: 0.614 ug/l

RT: 7.489 min Scan# 941

Delta R.T. -0.006 min

Lab File: VN087396.D

Acq: 22 Jul 2025 17:49

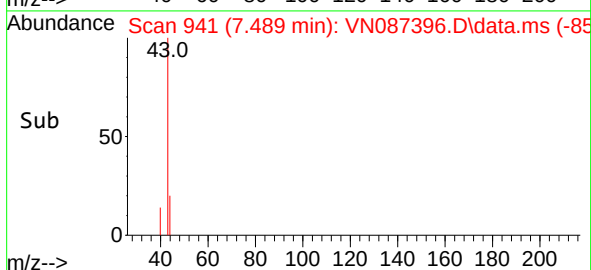
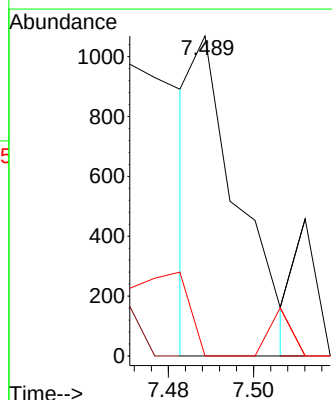
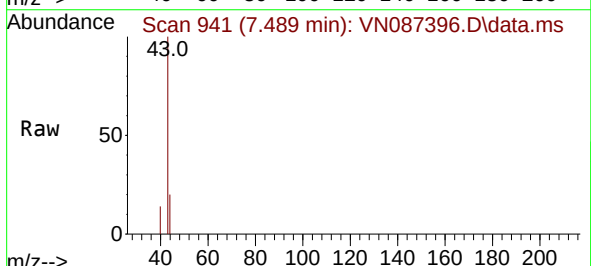
Tgt Ion: 43 Resp: 776

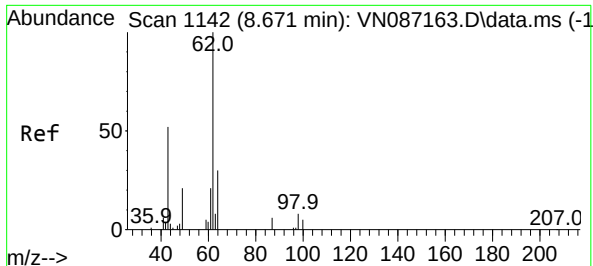
Ion Ratio Lower Upper

43 100

57 0.0 6.3 9.5#

72 24.6 21.8 32.6





#36

1,2-Dichloroethane

Concen: 2.393 ug/l

RT: 9.088 min Scan# 1142

Delta R.T. 0.418 min

Lab File: VN087396.D

Acq: 22 Jul 2025 17:49

Instrument :

MSVOA_N

ClientSampleId :

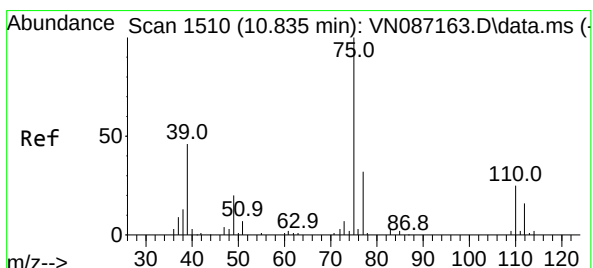
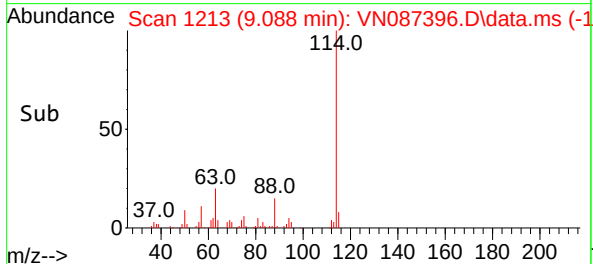
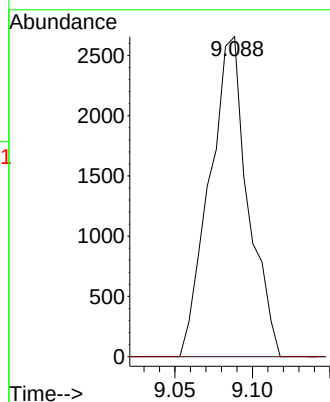
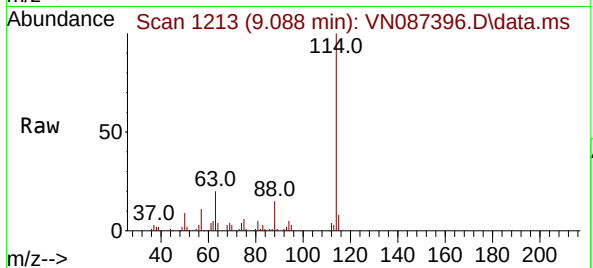
002 35th Ave (JUNE)DL

Tgt Ion: 62 Resp: 4590

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



#48

t-1,3-Dichloropropene

Concen: 0.328 ug/l

RT: 10.624 min Scan# 1474

Delta R.T. -0.212 min

Lab File: VN087396.D

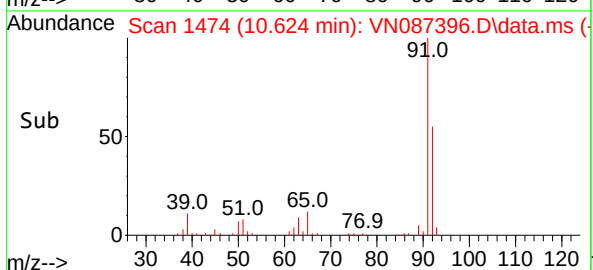
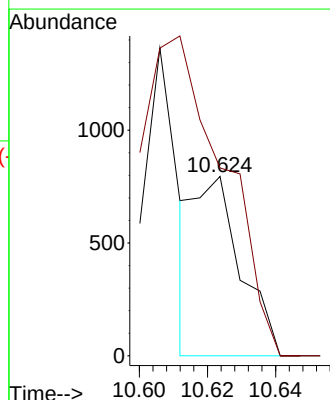
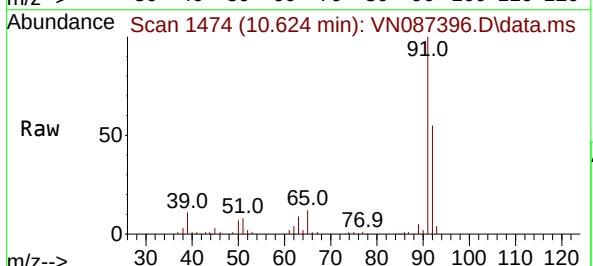
Acq: 22 Jul 2025 17:49

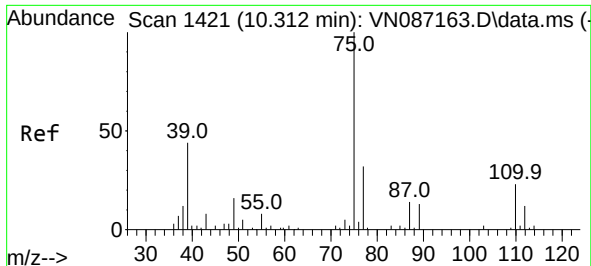
Tgt Ion: 75 Resp: 747

Ion Ratio Lower Upper

75 100

77 104.8 25.4 38.0#





#49

cis-1,3-Dichloropropene

Concen: 0.455 ug/l

RT: 10.606 min Scan# 1471

Delta R.T. 0.294 min

Lab File: VN087396.D

Acq: 22 Jul 2025 17:49

Instrument :

MSVOA_N

ClientSampleId :

002 35th Ave (JUNE)DL

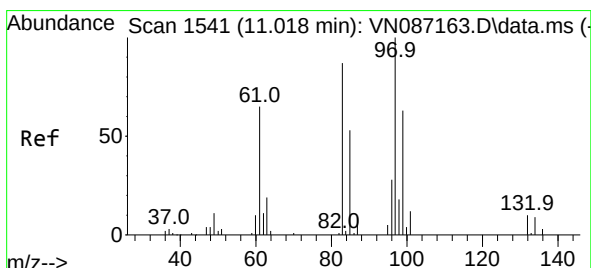
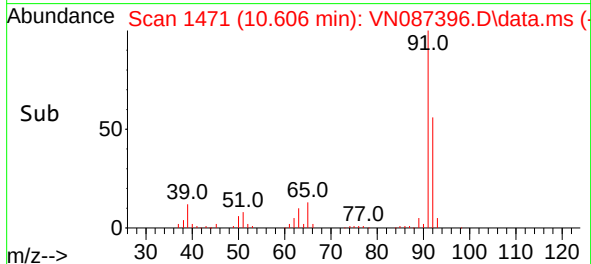
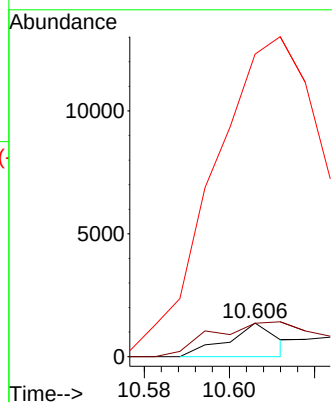
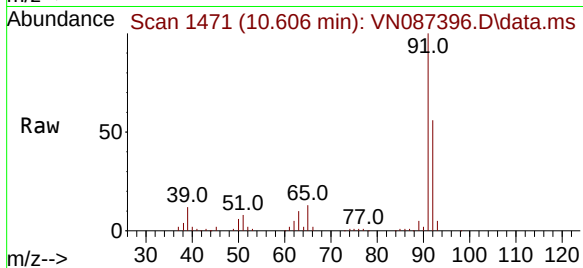
Tgt Ion: 75 Resp: 1102

Ion Ratio Lower Upper

75 100

77 84.4 25.4 38.2#

39 728.8 35.3 52.9#



#50

1,1,2-Trichloroethane

Concen: 3.711 ug/l

RT: 10.553 min Scan# 1462

Delta R.T. -0.465 min

Lab File: VN087396.D

Acq: 22 Jul 2025 17:49

Tgt Ion: 97 Resp: 5342

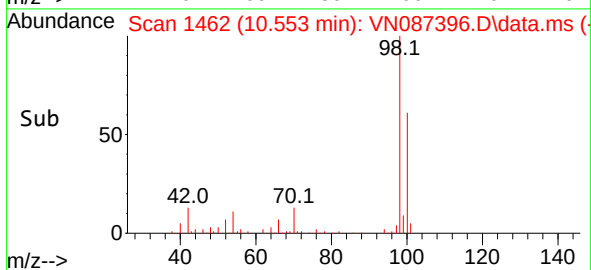
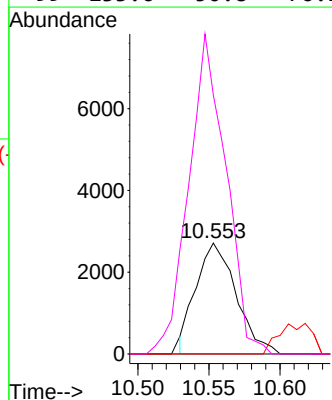
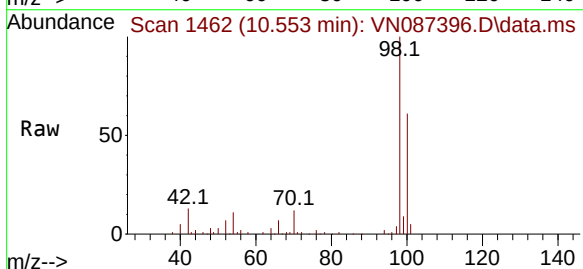
Ion Ratio Lower Upper

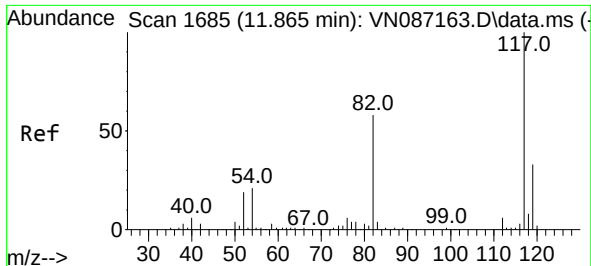
97 100

83 0.0 69.6 104.4#

85 0.0 42.0 63.0#

99 233.6 50.8 76.2#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.847 min Scan# 1

Delta R.T. -0.018 min

Lab File: VN087396.D

Acq: 22 Jul 2025 17:49

Instrument :

MSVOA_N

ClientSampleId :

002 35th Ave (JUNE)DL

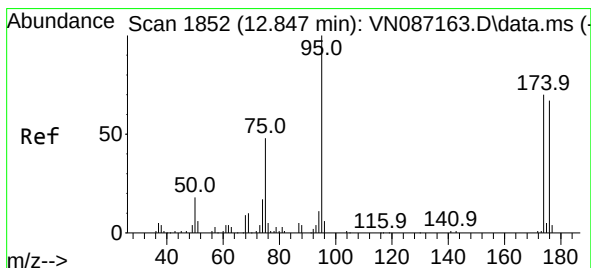
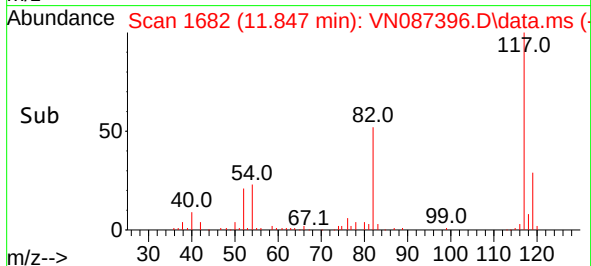
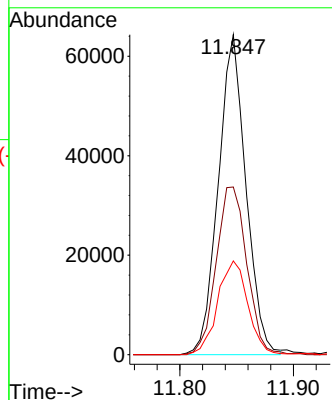
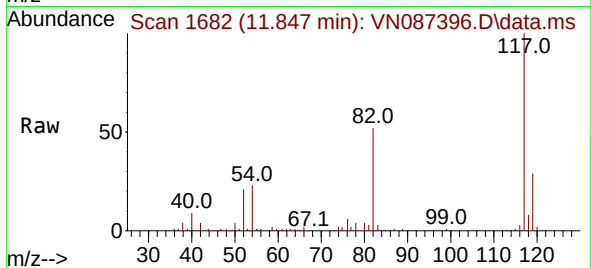
Tgt Ion:117 Resp: 108734

Ion Ratio Lower Upper

117 100

82 58.1 45.4 68.2

119 32.0 26.2 39.4



#60

4-Bromofluorobenzene

Concen: 26.228 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.018 min

Lab File: VN087396.D

Acq: 22 Jul 2025 17:49

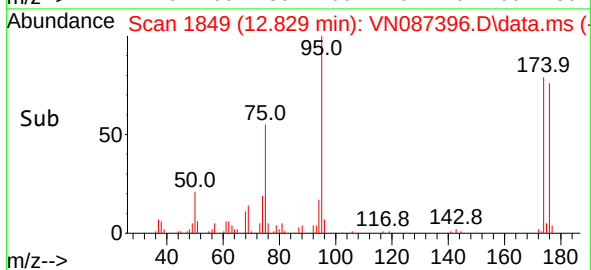
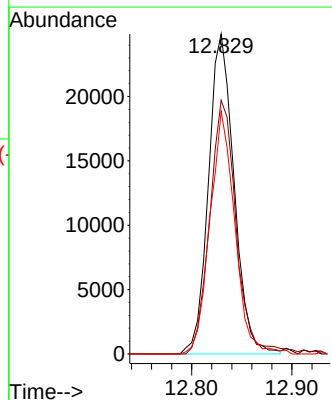
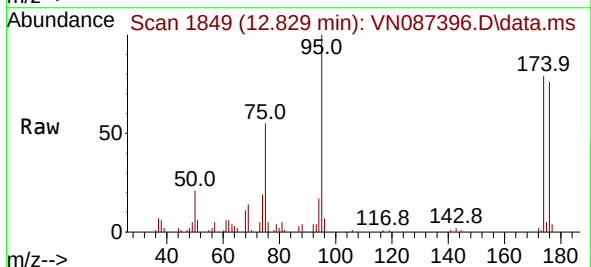
Tgt Ion: 95 Resp: 44008

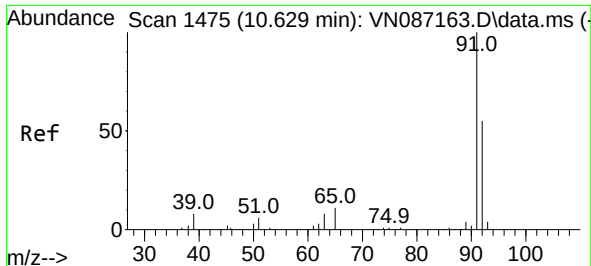
Ion Ratio Lower Upper

95 100

174 79.8 54.5 81.7

176 72.9 51.9 77.9

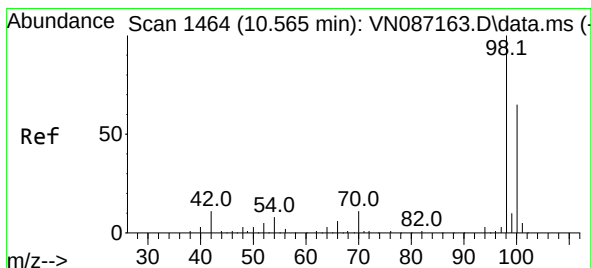
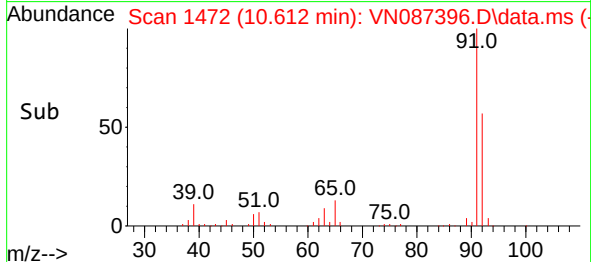
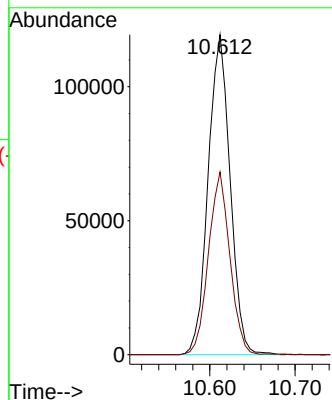
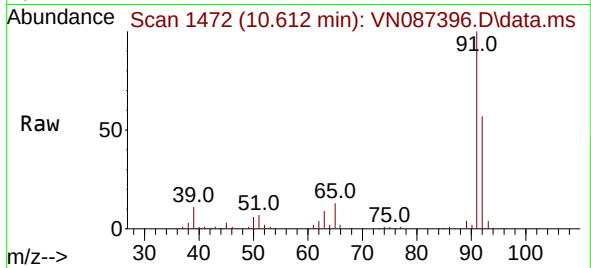




#62
Toluene
Concen: 34.849 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. -0.018 min
Lab File: VN087396.D
Acq: 22 Jul 2025 17:49

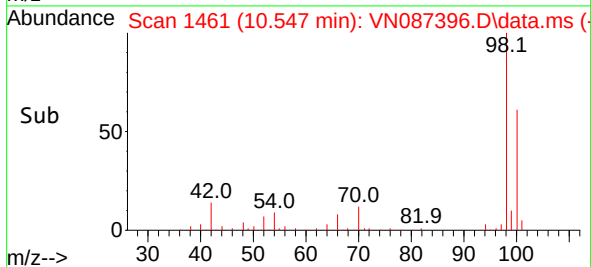
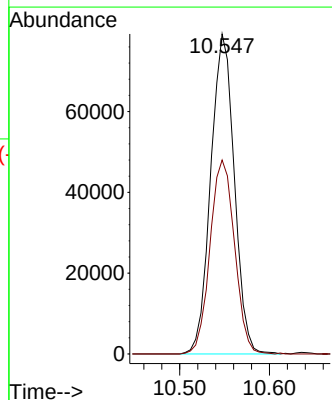
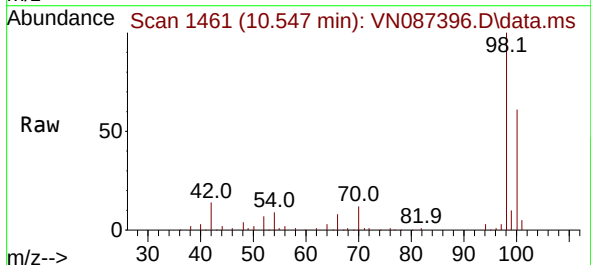
Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (JUNE)DL

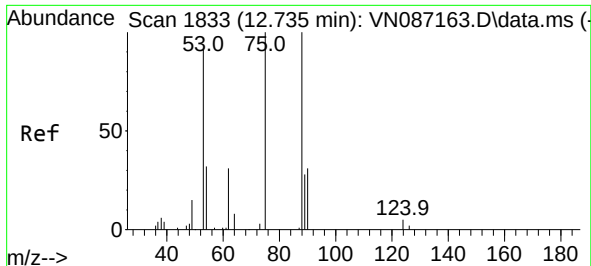
Tgt Ion: 91 Resp: 214012
Ion Ratio Lower Upper
91 100
92 55.5 45.8 68.8



#63
Toluene-d8
Concen: 29.562 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.018 min
Lab File: VN087396.D
Acq: 22 Jul 2025 17:49

Tgt Ion: 98 Resp: 144327
Ion Ratio Lower Upper
98 100
100 63.0 52.5 78.7





#77

t-1,4-Dichloro-2-butene

Concen: 28.558 ug/l

RT: 12.829 min Scan# 11

Delta R.T. 0.094 min

Lab File: VN087396.D

Acq: 22 Jul 2025 17:49

Instrument :

MSVOA_N

ClientSampleId :

002 35th Ave (JUNE)DL

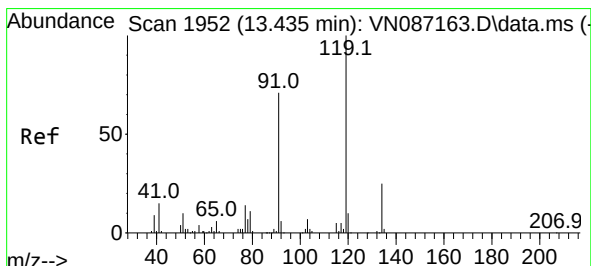
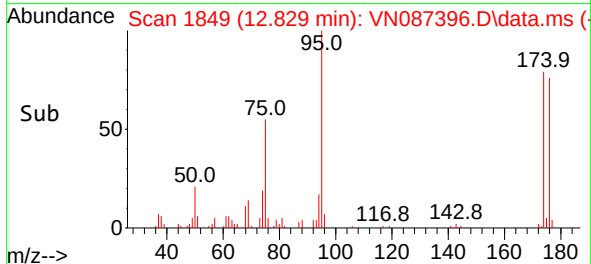
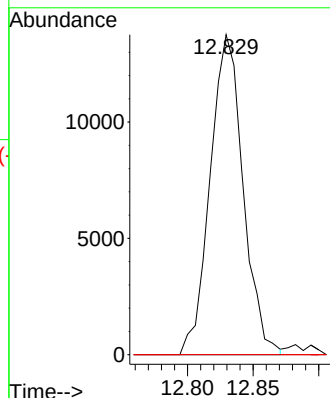
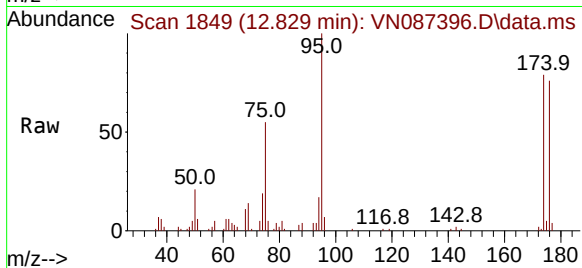
Tgt Ion: 75 Resp: 24065

Ion Ratio Lower Upper

75 100

53 0.0 45.9 137.6#

89 0.0 22.3 66.9#



#79

tert-butylbenzene

Concen: 0.581 ug/l

RT: 13.706 min Scan# 1998

Delta R.T. 0.271 min

Lab File: VN087396.D

Acq: 22 Jul 2025 17:49

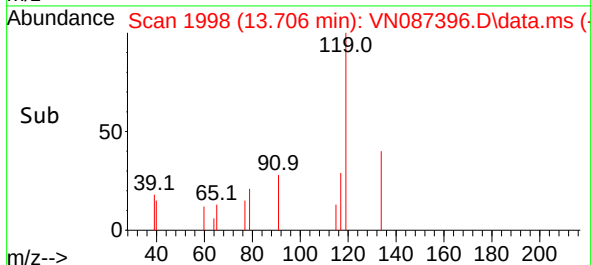
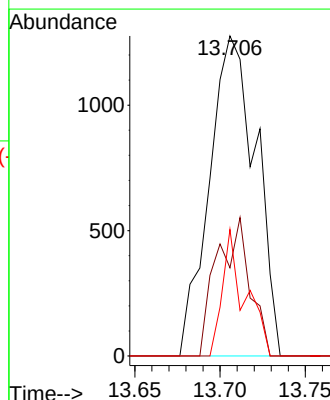
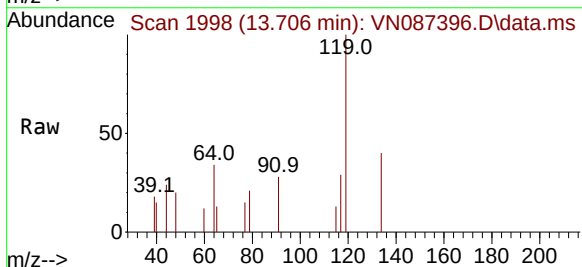
Tgt Ion: 119 Resp: 2433

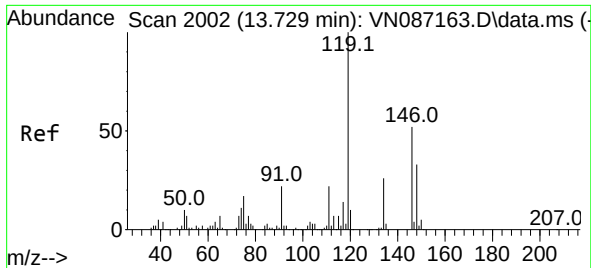
Ion Ratio Lower Upper

119 100

91 16.3 0.0 137.0

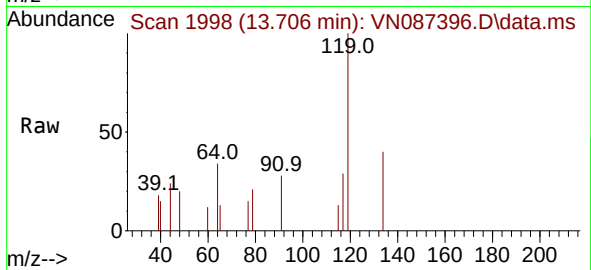
134 12.8 0.0 49.4





#82
 p-Isopropyltoluene
 Concen: 0.480 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. -0.023 min
 Lab File: VN087396.D
 Acq: 22 Jul 2025 17:49

Instrument :
 MSVOA_N
 ClientSampleId :
 002 35th Ave (JUNE)DL



Tgt Ion:	119	Resp:	2433
Ion	Ratio	Lower	Upper
119	100		
134	12.8	0.0	51.2
91	16.3	0.0	46.4

