

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040225\
 Data File : VN086209.D
 Acq On : 02 Apr 2025 15:31
 Operator : JC\MD
 Sample : Q1681-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-12

Quant Time: Apr 03 01:36:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

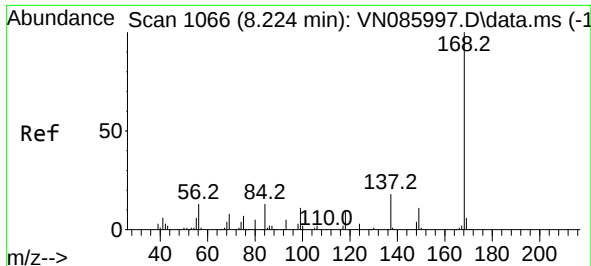
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	119255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	200636	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	192525	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	88049	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	86719	53.104	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.200%			
35) Dibromofluoromethane	8.165	113	65068	46.463	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.920%			
50) Toluene-d8	10.565	98	250062	49.200	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.400%			
62) 4-Bromofluorobenzene	12.847	95	97856	53.987	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.980%			
Target Compounds						Qvalue
3) Chloromethane	2.360	50	281	0.203	ug/l #	42
11) Tert butyl alcohol	5.524	59	91	0.394	ug/l #	73
16) Acetone	4.430	43	28201	56.526	ug/l	98
18) Methyl Acetate	5.030	43	3611	2.925	ug/l #	80
20) Methylene Chloride	5.283	84	9444	6.471	ug/l	95
25) 2-Butanone	7.489	43	4214	5.854	ug/l #	79
31) Cyclohexane	8.224	56	2441	1.200	ug/l #	34
36) 1,1-Dichloropropene	8.218	75	8818	4.782	ug/l #	52
37) Ethyl Acetate	7.489	43	4214	2.709	ug/l #	64
38) Carbon Tetrachloride	8.224	117	12979	5.353	ug/l #	15
43) Isopropyl Acetate	8.689	43	9489	2.815	ug/l #	79
45) 1,2-Dichloropropane	9.736	63	352	0.267	ug/l #	44
48) Methyl methacrylate	9.741	41	28486	25.607	ug/l #	34
51) 4-Methyl-2-Pentanone	10.447	43	4022	2.705	ug/l #	64
54) cis-1,3-Dichloropropene	10.353	75	15365	6.929	ug/l #	69
56) Ethyl methacrylate	10.977	69	271	0.346	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	1393	0.605	ug/l #	42
59) 2-Hexanone	11.200	43	19432	17.942	ug/l #	39
74) N-amyl acetate	12.447	43	1294	0.643	ug/l #	35
76) 1,2,3-Trichloropropane	12.847	75	54521	27.658	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	54521	73.123	ug/l #	16

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

Quant Time: Apr 03 01:36:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

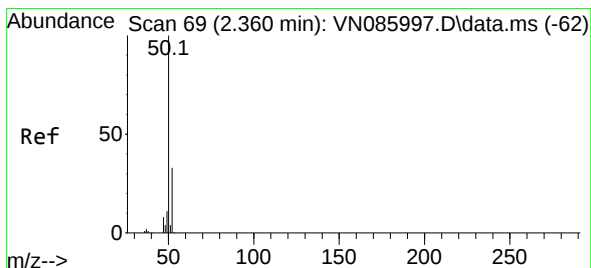
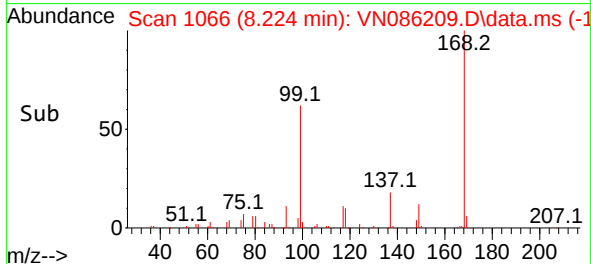
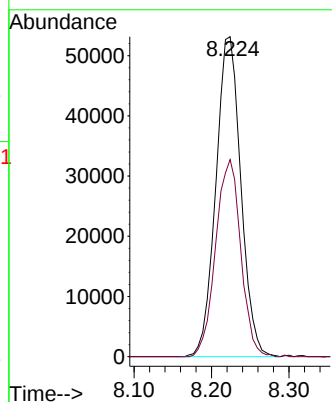
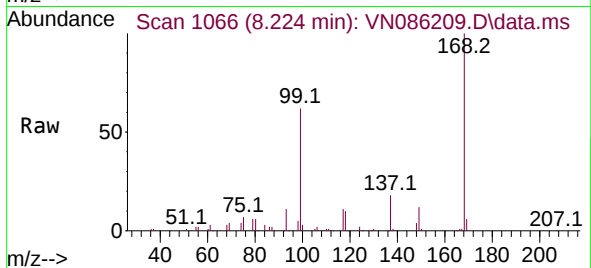




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086209.D
Acq: 02 Apr 2025 15:31

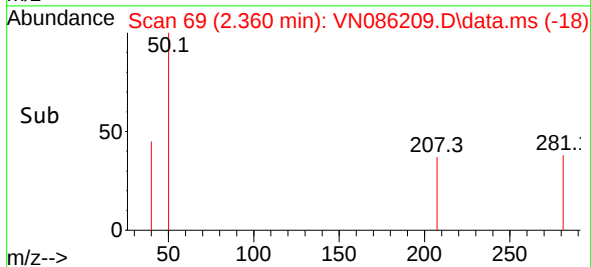
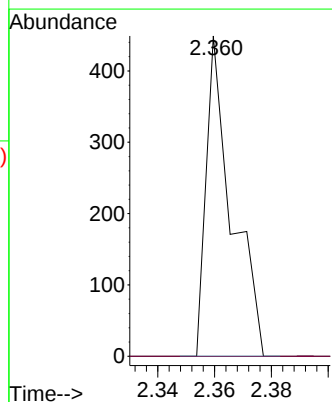
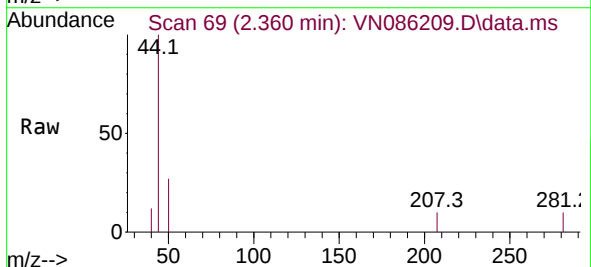
Instrument :
MSVOA_N
ClientSampleId :
TP-12

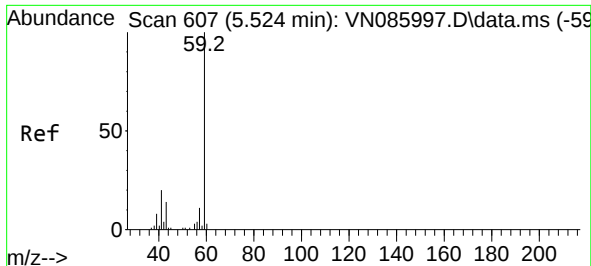
Tgt Ion:168 Resp: 119255
Ion Ratio Lower Upper
168 100
99 61.6 49.4 74.2



#3
Chloromethane
Concen: 0.203 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN086209.D
Acq: 02 Apr 2025 15:31

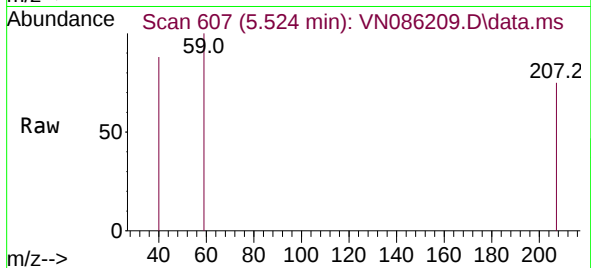
Tgt Ion: 50 Resp: 281
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#



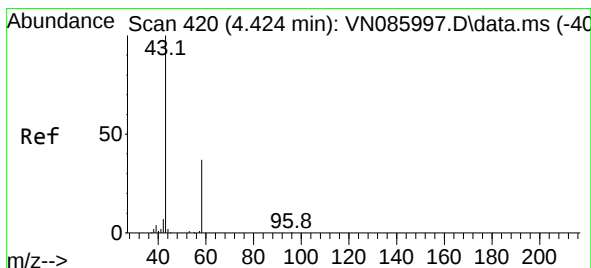
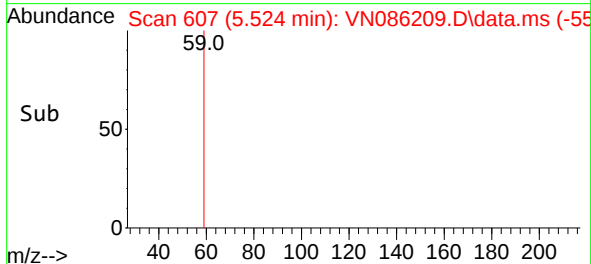
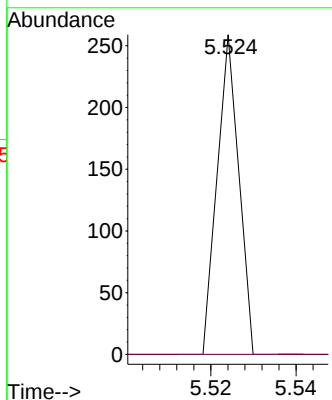


#11
Tert butyl alcohol
Concen: 0.394 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN086209.D
Acq: 02 Apr 2025 15:31

Instrument :
MSVOA_N
ClientSampleId :
TP-12

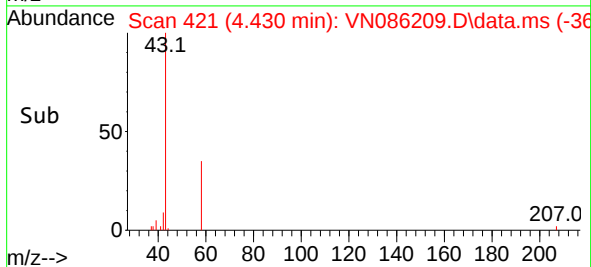
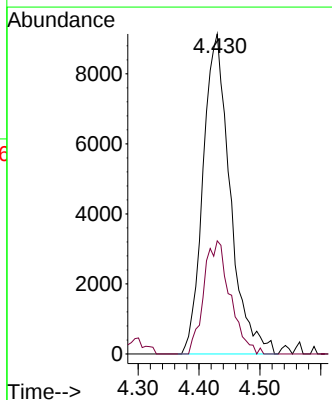
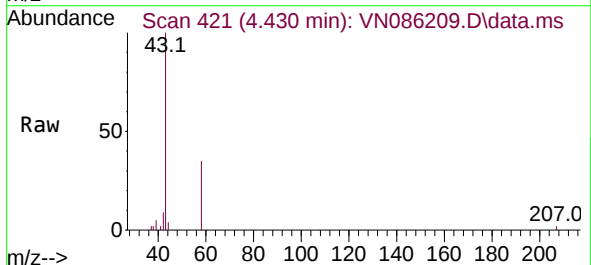


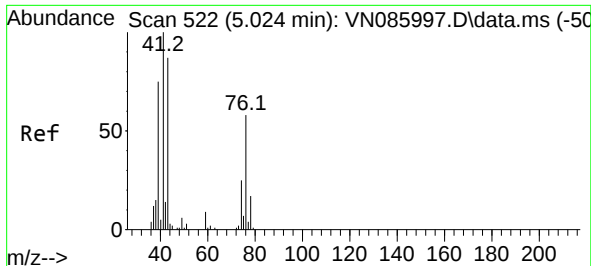
Tgt Ion: 59 Resp: 91
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#



#16
Acetone
Concen: 56.526 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086209.D
Acq: 02 Apr 2025 15:31

Tgt Ion: 43 Resp: 28201
Ion Ratio Lower Upper
43 100
58 35.3 29.4 44.2

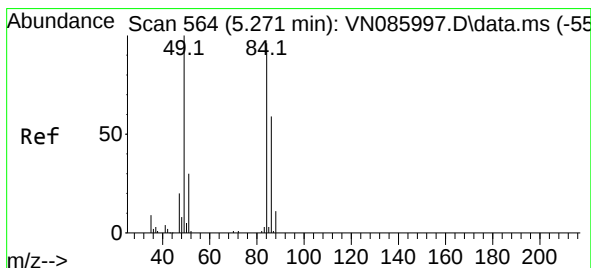
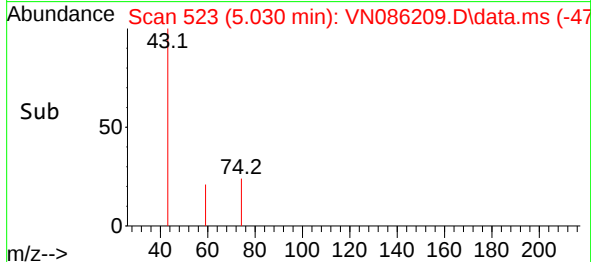
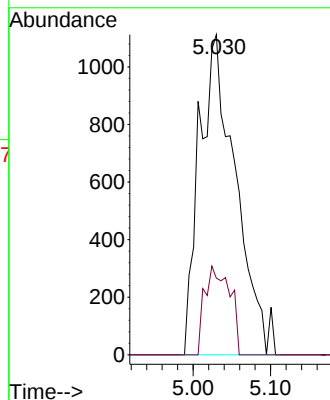
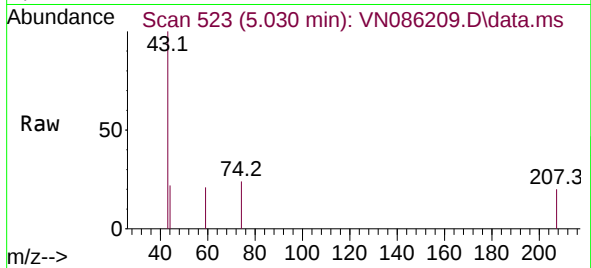




#18
Methyl Acetate
Concen: 2.925 ug/l
RT: 5.030 min Scan# 511
Delta R.T. 0.006 min
Lab File: VN086209.D
Acq: 02 Apr 2025 15:31

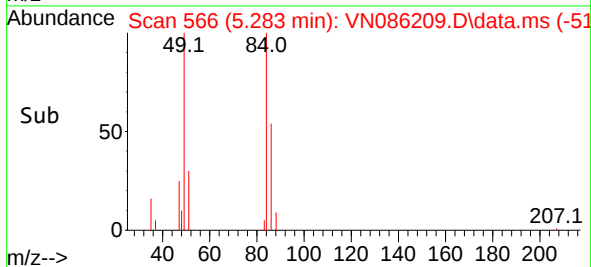
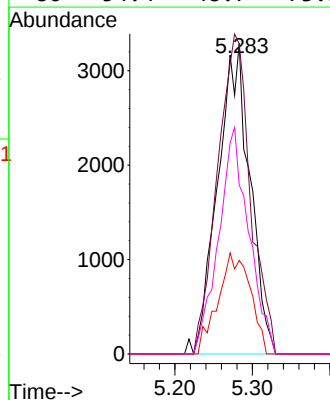
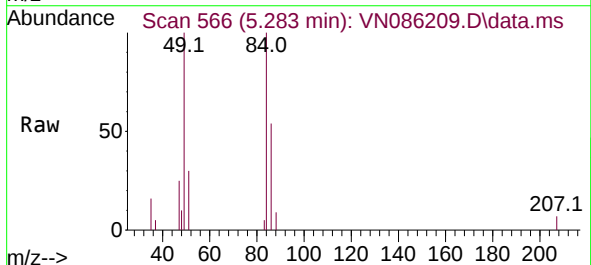
Instrument :
MSVOA_N
ClientSampleId :
TP-12

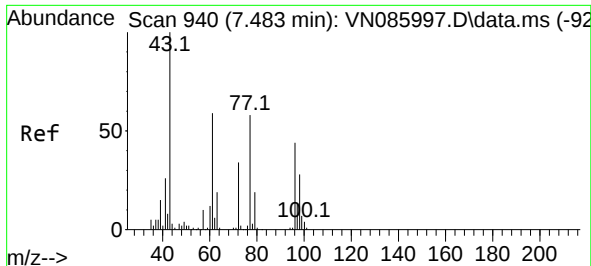
Tgt Ion: 43 Resp: 3611
Ion Ratio Lower Upper
43 100
74 19.2 23.9 35.9#



#20
Methylene Chloride
Concen: 6.471 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN086209.D
Acq: 02 Apr 2025 15:31

Tgt Ion: 84 Resp: 9444
Ion Ratio Lower Upper
84 100
49 99.8 83.3 124.9
51 30.1 24.8 37.2
86 54.4 48.7 73.1

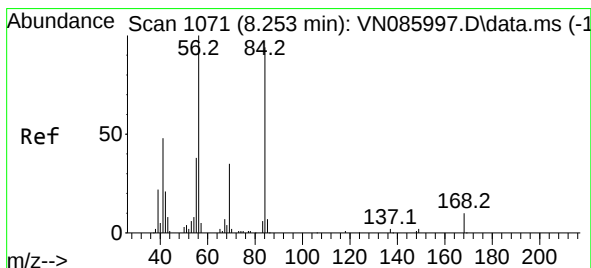
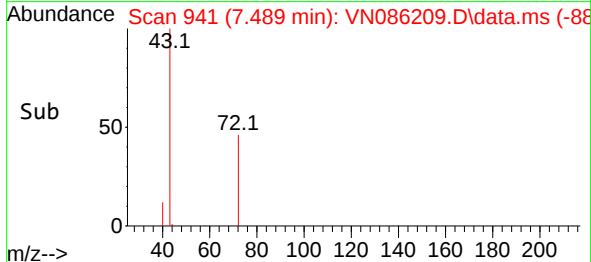
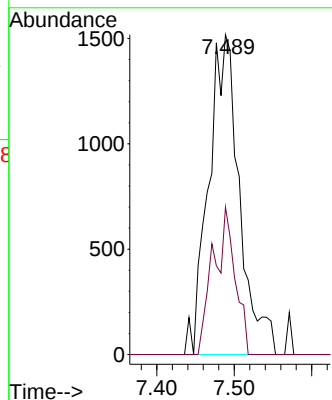
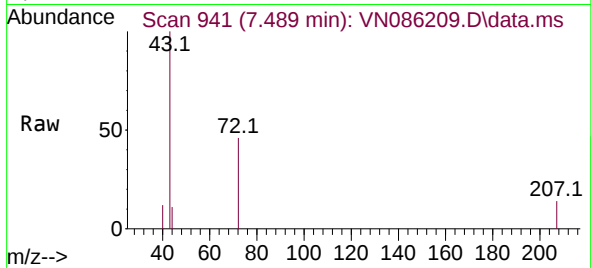




#25
2-Butanone
Concen: 5.854 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086209.D
Acq: 02 Apr 2025 15:31

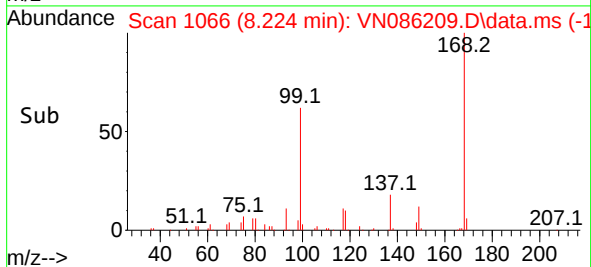
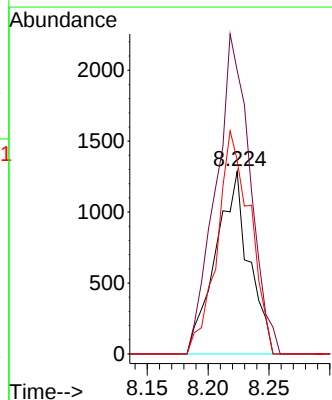
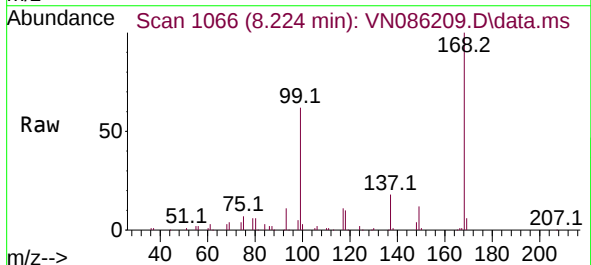
Instrument :
MSVOA_N
ClientSampleId :
TP-12

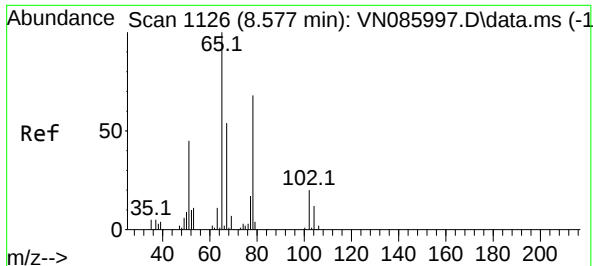
Tgt Ion: 43 Resp: 4214
Ion Ratio Lower Upper
43 100
72 46.1 27.4 41.0#



#31
Cyclohexane
Concen: 1.200 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN086209.D
Acq: 02 Apr 2025 15:31

Tgt Ion: 56 Resp: 2441
Ion Ratio Lower Upper
56 100
69 155.3 28.0 42.0#
84 106.3 75.0 112.6





#33

1,2-Dichloroethane-d4

Concen: 53.104 ug/l

RT: 8.571 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN086209.D

Acq: 02 Apr 2025 15:31

Instrument :

MSVOA_N

ClientSampleId :

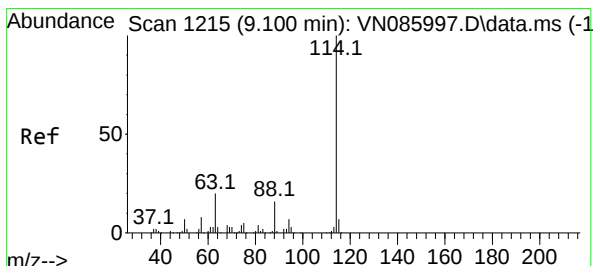
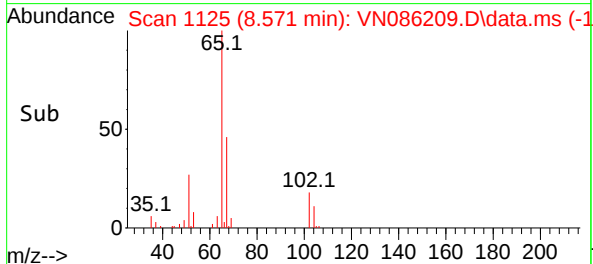
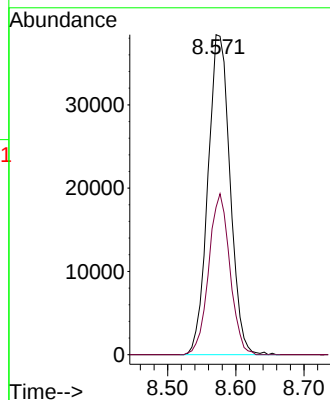
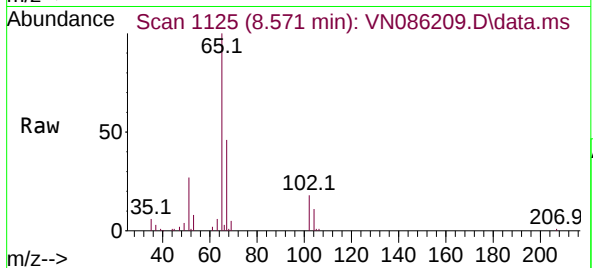
TP-12

Tgt Ion: 65 Resp: 86719

Ion Ratio Lower Upper

65 100

67 48.1 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN086209.D

Acq: 02 Apr 2025 15:31

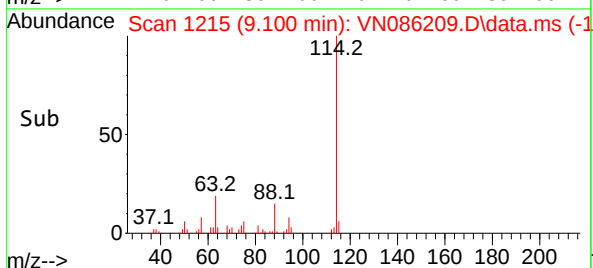
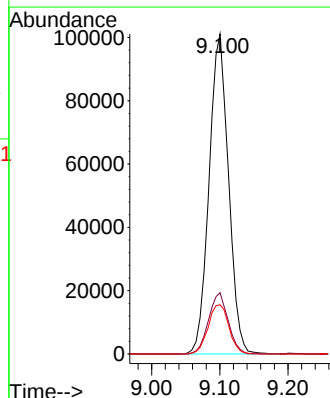
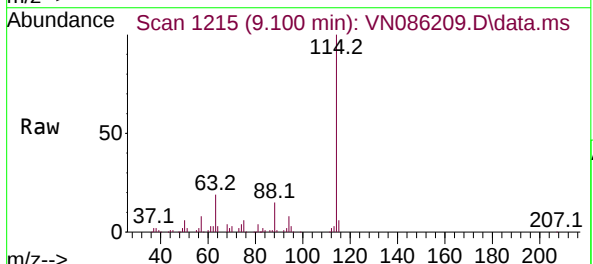
Tgt Ion: 114 Resp: 200636

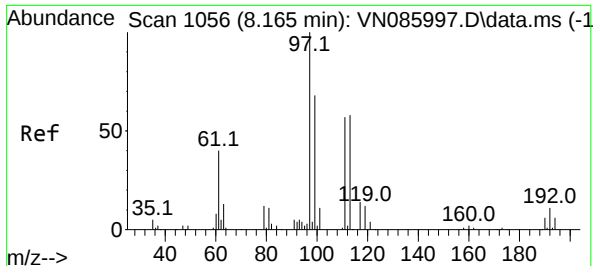
Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

88 15.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 46.463 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086209.D

Acq: 02 Apr 2025 15:31

Instrument :

MSVOA_N

ClientSampleId :

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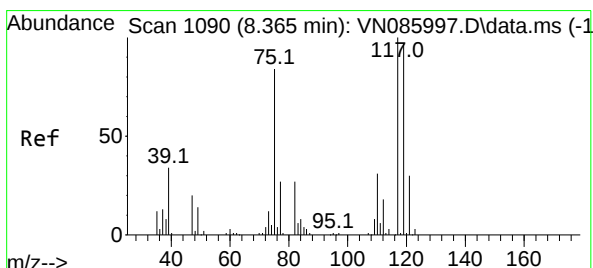
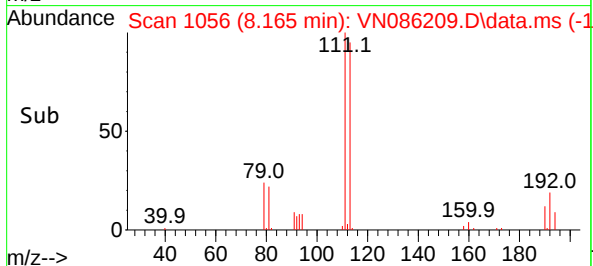
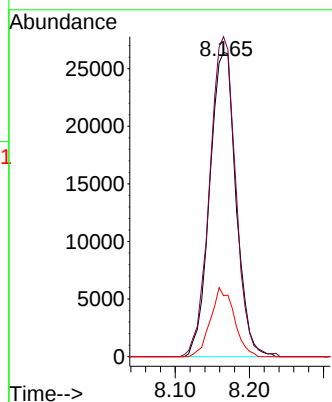
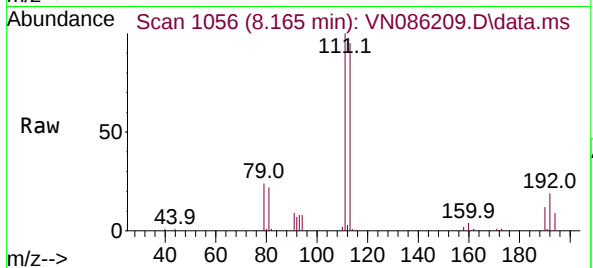
Tgt Ion:113 Resp: 65068

Ion Ratio Lower Upper

113 100

111 104.3 81.8 122.8

192 20.5 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.782 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086209.D

Acq: 02 Apr 2025 15:31

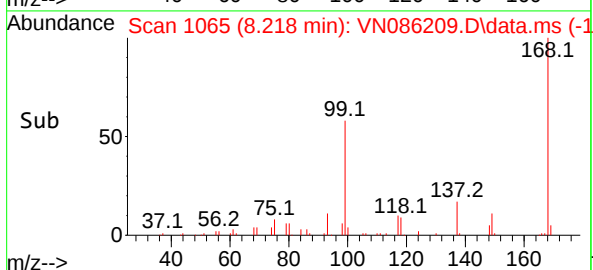
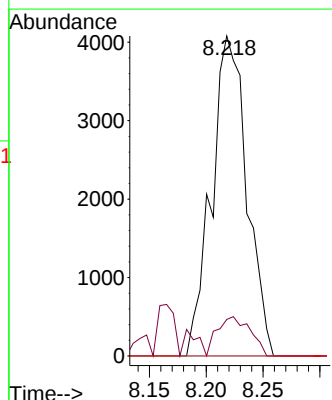
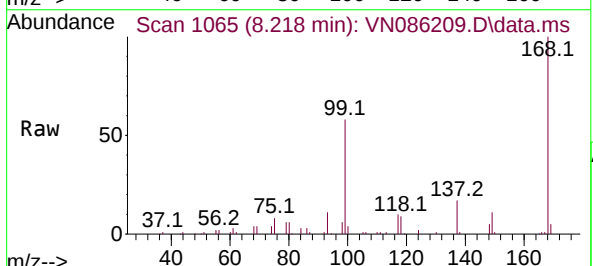
Tgt Ion: 75 Resp: 8818

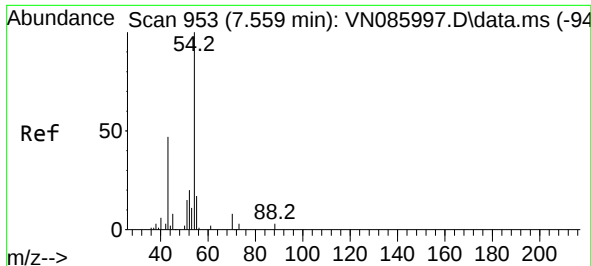
Ion Ratio Lower Upper

75 100

110 11.5 17.8 53.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 2.709 ug/l

RT: 7.489 min Scan# 941

Delta R.T. -0.071 min

Lab File: VN086209.D

Acq: 02 Apr 2025 15:31

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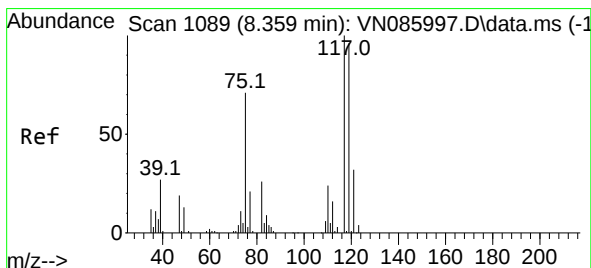
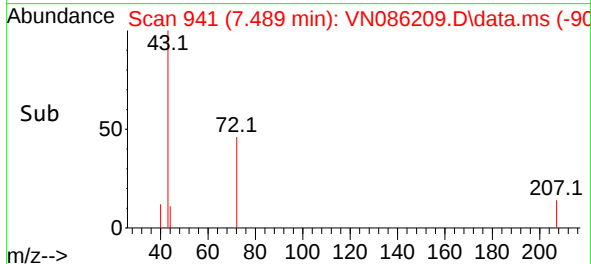
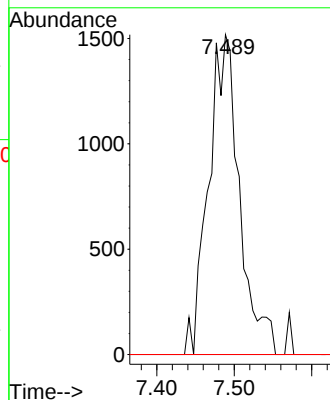
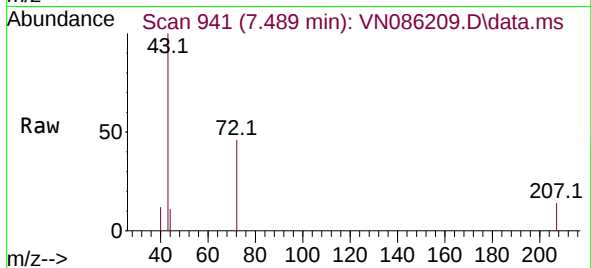
Tgt Ion: 43 Resp: 4214

Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.4#

70 0.0 11.0 16.6#



#38

Carbon Tetrachloride

Concen: 5.353 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086209.D

Acq: 02 Apr 2025 15:31

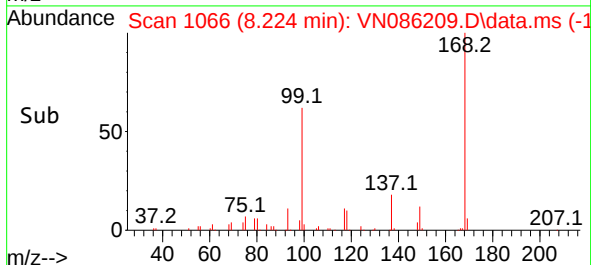
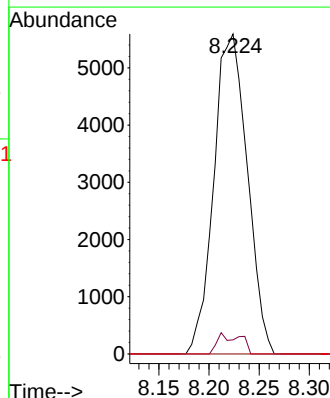
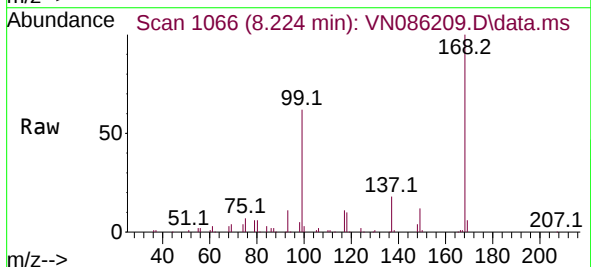
Tgt Ion: 117 Resp: 12979

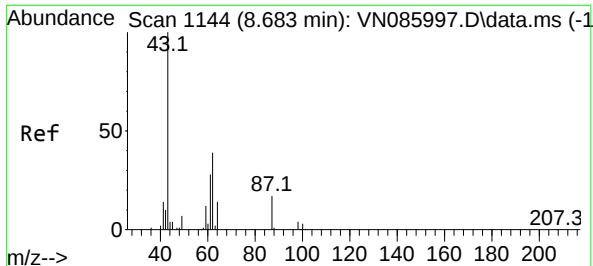
Ion Ratio Lower Upper

117 100

119 4.4 77.0 115.4#

121 0.0 25.6 38.4#





#43

Isopropyl Acetate

Concen: 2.815 ug/l

RT: 8.689 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VN086209.D

Acq: 02 Apr 2025 15:31

Instrument :

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ClientSampleId :

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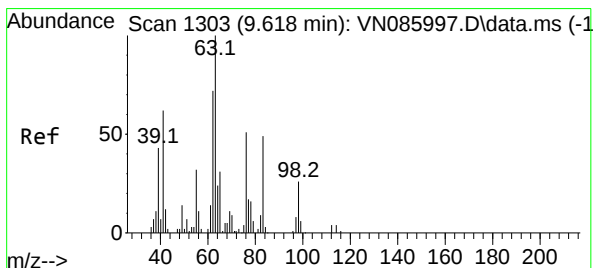
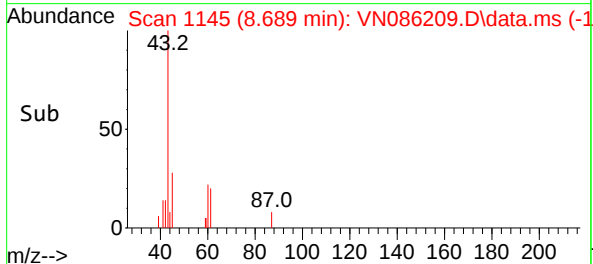
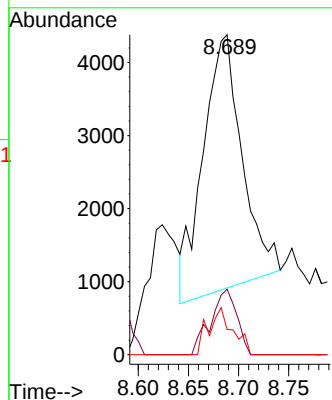
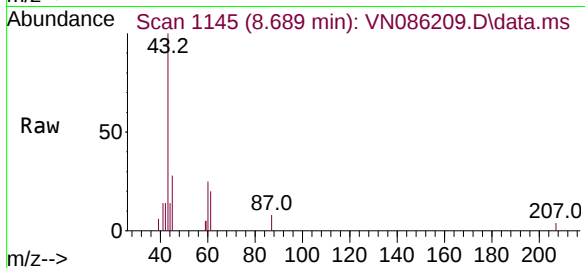
Tgt Ion: 43 Resp: 9489

Ion Ratio Lower Upper

43 100

61 17.2 25.0 37.6#

87 11.4 13.0 19.4#



#45

1,2-Dichloropropane

Concen: 0.267 ug/l

RT: 9.736 min Scan# 1323

Delta R.T. 0.118 min

Lab File: VN086209.D

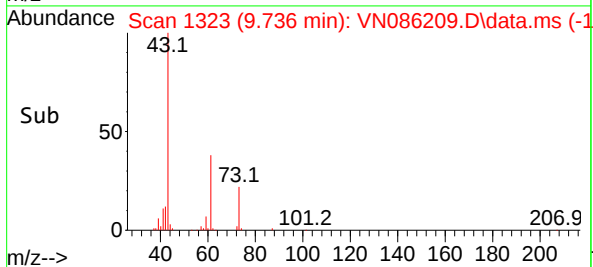
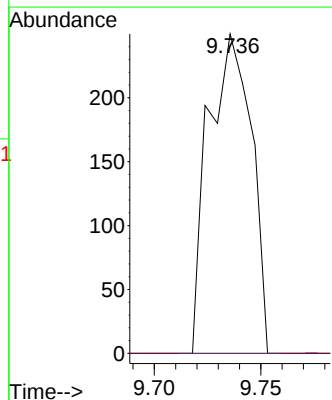
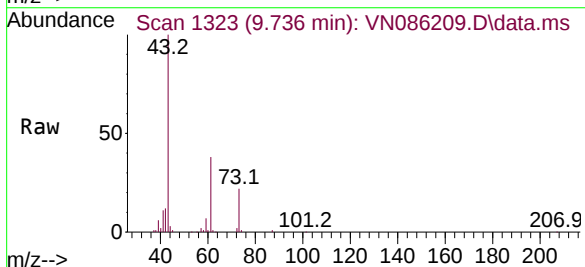
Acq: 02 Apr 2025 15:31

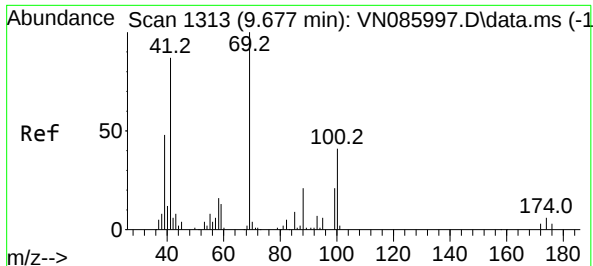
Tgt Ion: 63 Resp: 352

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#





#48

Methyl methacrylate

Concen: 25.607 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.065 min

Lab File: VN086209.D

Acq: 02 Apr 2025 15:31

Instrument :

MSVOA_N

ClientSampleId :

TP-12

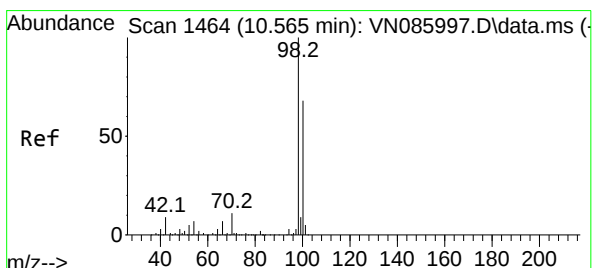
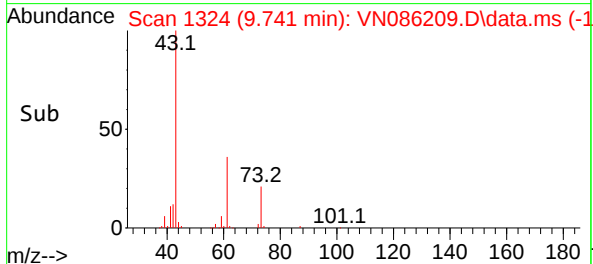
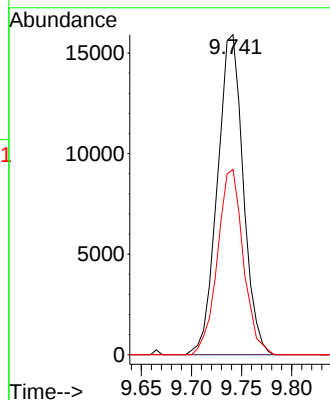
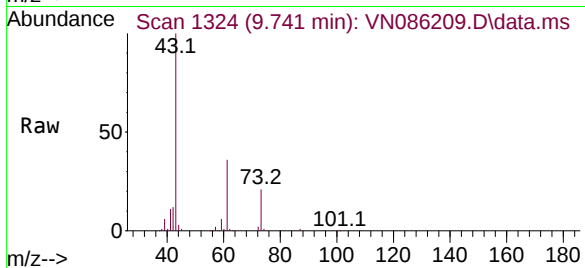
Tgt Ion: 41 Resp: 28486

Ion Ratio Lower Upper

41 100

69 0.0 83.1 124.7#

39 57.9 45.6 68.4



#50

Toluene-d8

Concen: 49.200 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN086209.D

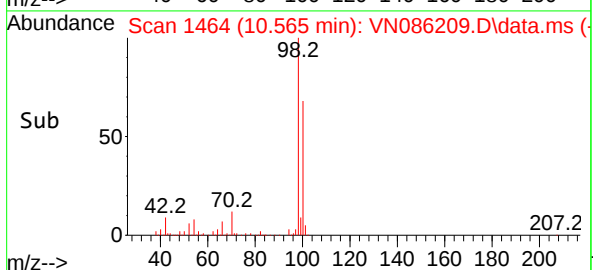
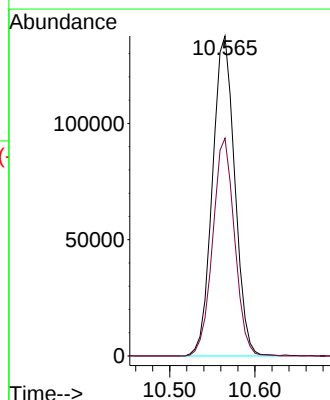
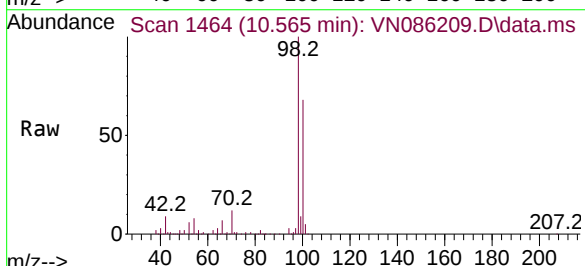
Acq: 02 Apr 2025 15:31

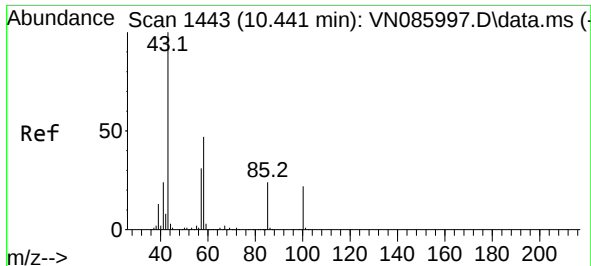
Tgt Ion: 98 Resp: 250062

Ion Ratio Lower Upper

98 100

100 66.7 53.1 79.7

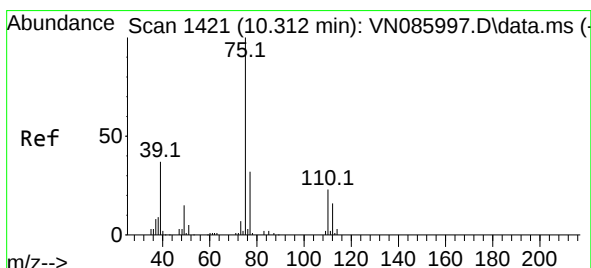
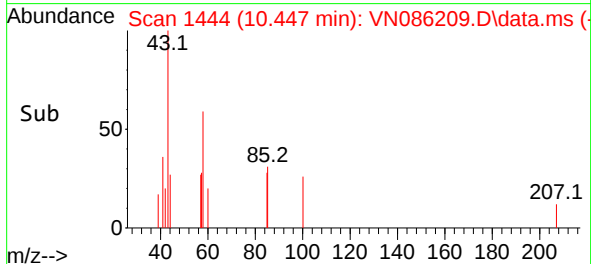
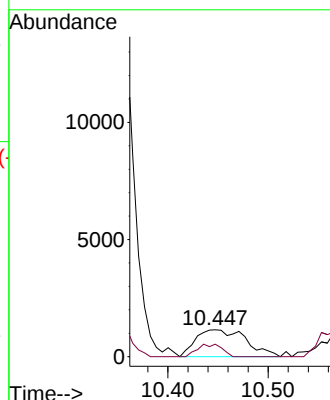
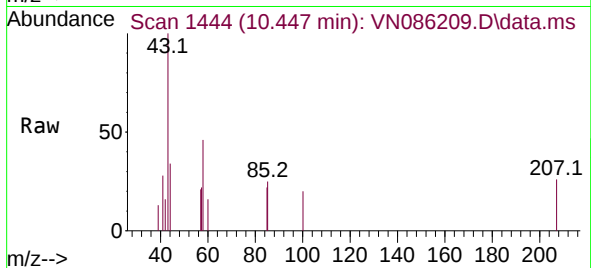




#51
4-Methyl-2-Pentanone
Concen: 2.705 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN086209.D
Acq: 02 Apr 2025 15:31

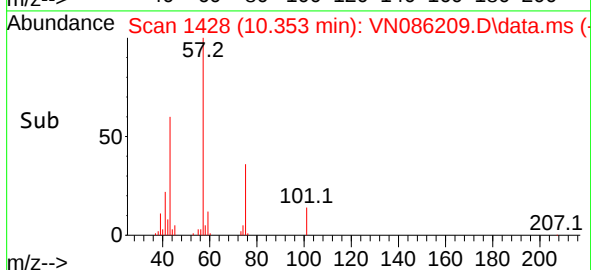
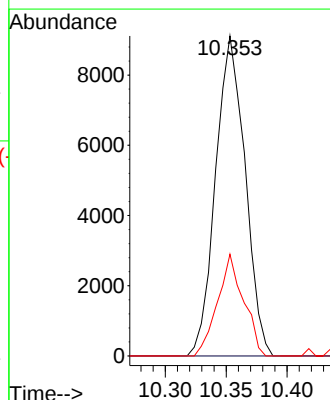
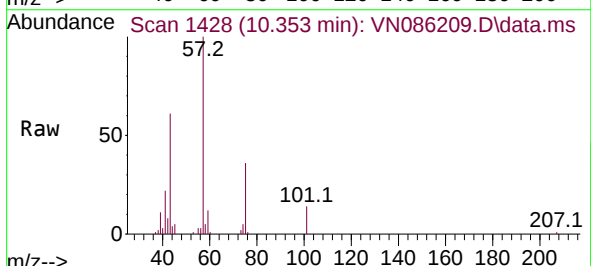
Instrument :
MSVOA_N
ClientSampleId :
TP-12

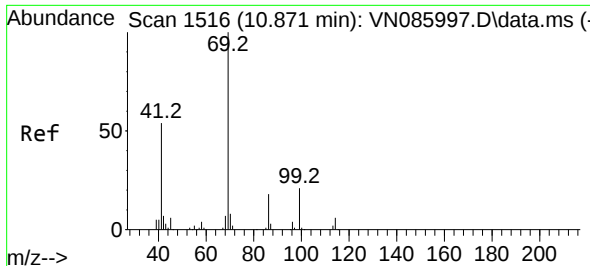
Tgt Ion: 43 Resp: 4022
Ion Ratio Lower Upper
43 100
58 22.5 37.4 56.0#



#54
cis-1,3-Dichloropropene
Concen: 6.929 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN086209.D
Acq: 02 Apr 2025 15:31

Tgt Ion: 75 Resp: 15365
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 31.8 29.6 44.4

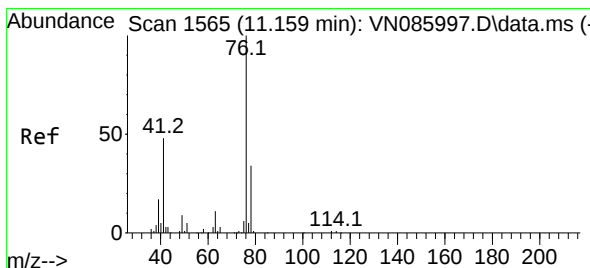
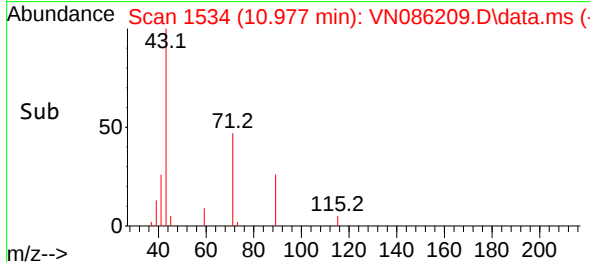
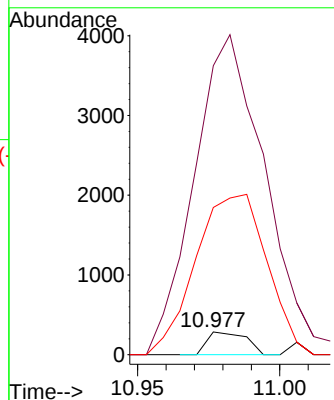
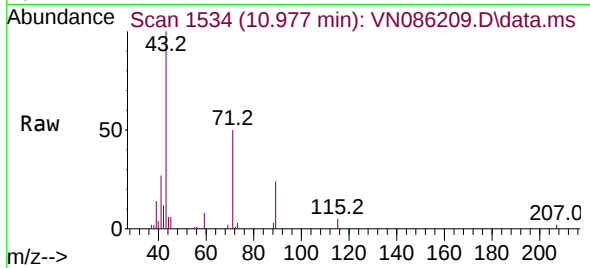




#56
Ethyl methacrylate
Concen: 0.346 ug/l
RT: 10.977 min Scan# 1534
Delta R.T. 0.106 min
Lab File: VN086209.D
Acq: 02 Apr 2025 15:31

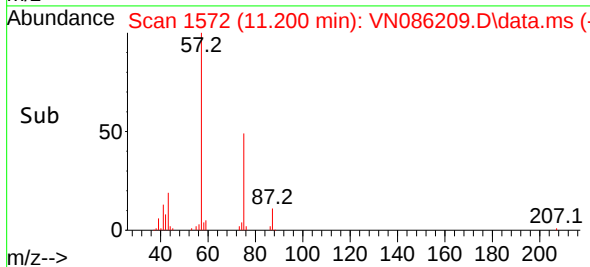
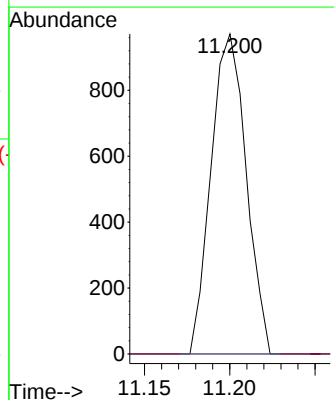
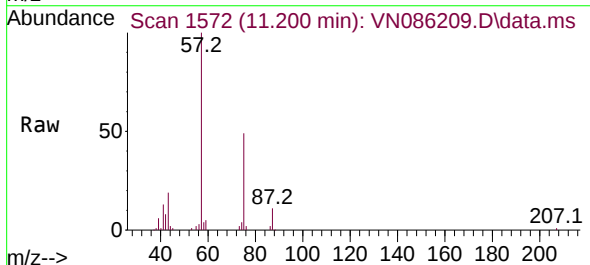
Instrument :
MSVOA_N
ClientSampleId :
TP-12

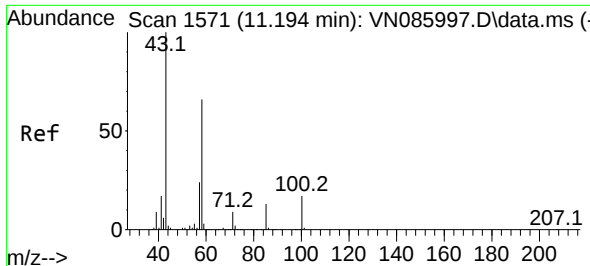
Tgt Ion: 69 Resp: 271
Ion Ratio Lower Upper
69 100
41 2576.8 41.6 62.4#
39 1297.0 21.8 32.8#



#57
1,3-Dichloropropane
Concen: 0.605 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN086209.D
Acq: 02 Apr 2025 15:31

Tgt Ion: 76 Resp: 1393
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

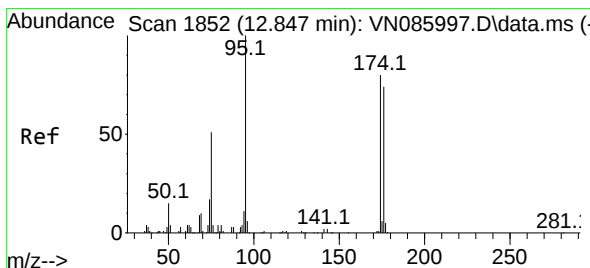
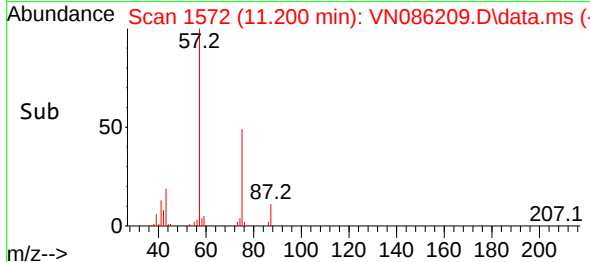
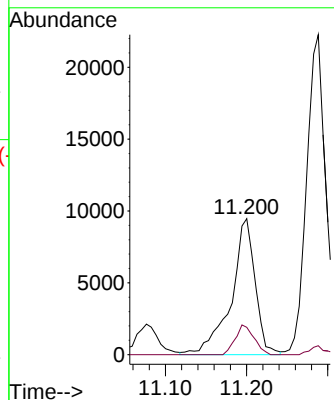
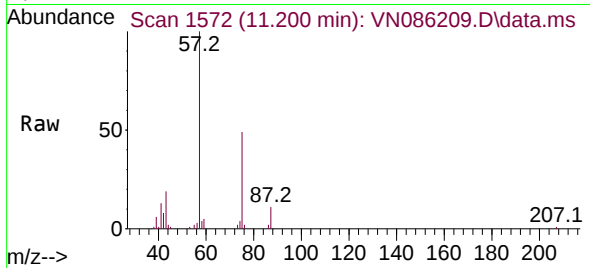




#59
2-Hexanone
Concen: 17.942 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086209.D
Acq: 02 Apr 2025 15:31

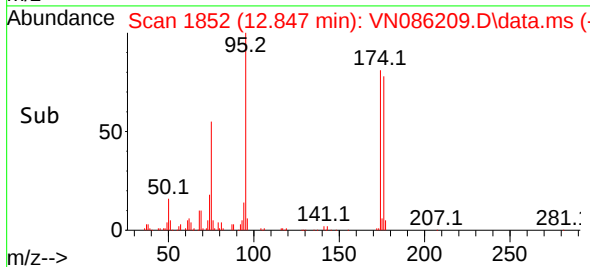
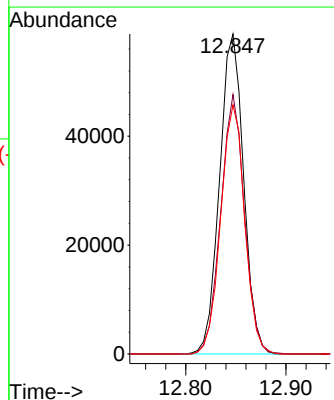
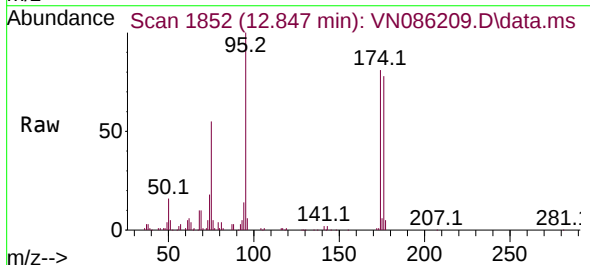
Instrument :
MSVOA_N
ClientSampleId :
TP-12

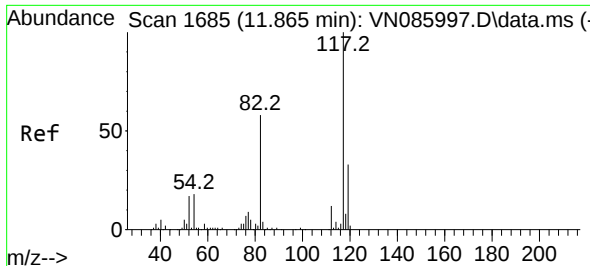
Tgt Ion: 43 Resp: 19432
Ion Ratio Lower Upper
43 100
58 17.0 32.4 97.2#



#62
4-Bromofluorobenzene
Concen: 53.987 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086209.D
Acq: 02 Apr 2025 15:31

Tgt Ion: 95 Resp: 97856
Ion Ratio Lower Upper
95 100
174 80.0 0.0 156.8
176 77.5 0.0 152.2

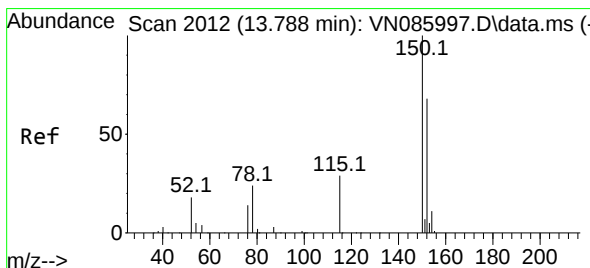
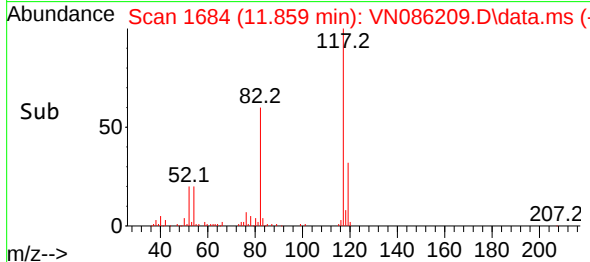
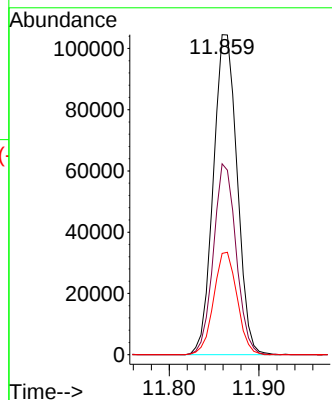
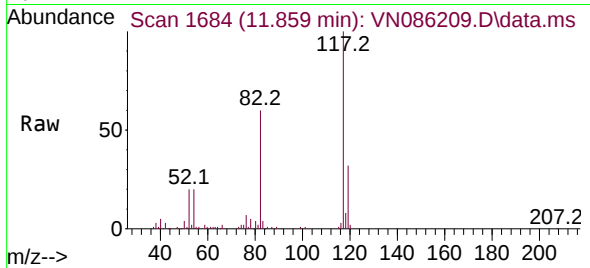




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN086209.D
Acq: 02 Apr 2025 15:31

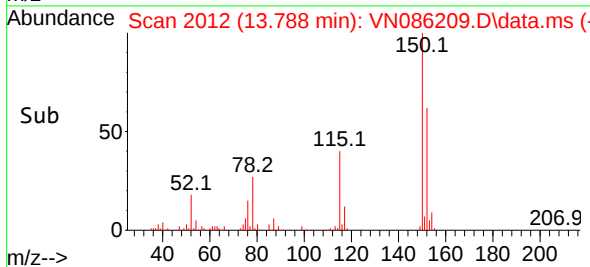
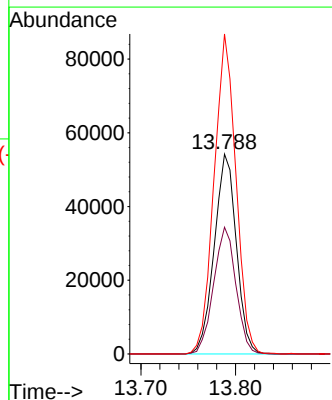
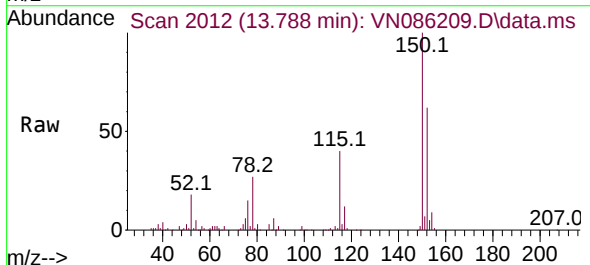
Instrument :
MSVOA_N
ClientSampleId :
TP-12

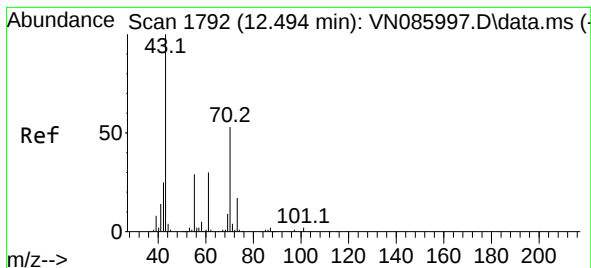
Tgt Ion:117 Resp: 192525
Ion Ratio Lower Upper
117 100
82 59.6 46.7 70.1
119 31.7 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086209.D
Acq: 02 Apr 2025 15:31

Tgt Ion:152 Resp: 88049
Ion Ratio Lower Upper
152 100
115 63.9 31.1 93.2
150 158.3 0.0 359.6





#74

N-amy1 acetate

Concen: 0.643 ug/l

RT: 12.447 min Scan# 1

Delta R.T. -0.047 min

Lab File: VN086209.D

Acq: 02 Apr 2025 15:31

Instrument :

MSVOA_N

ClientSampleId :

TP-12

Tgt Ion: 43 Resp: 1294

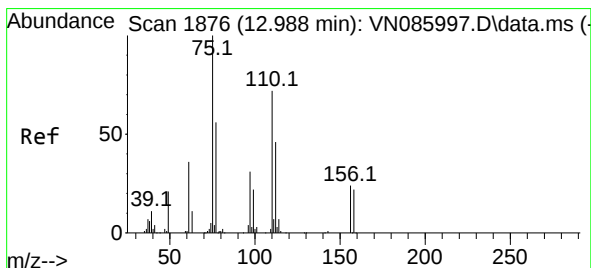
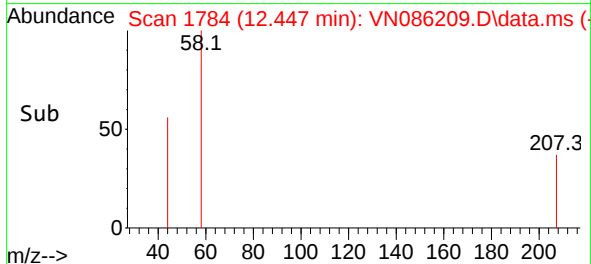
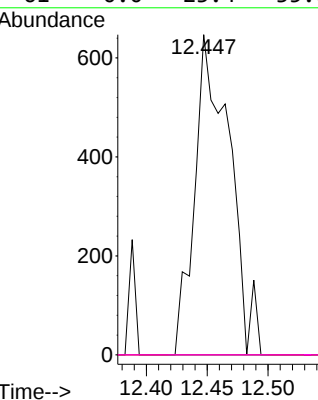
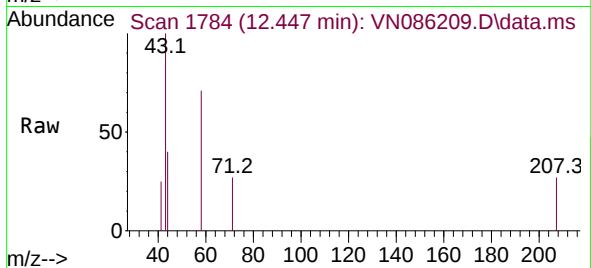
Ion Ratio Lower Upper

43 100

70 0.0 43.0 64.4#

55 0.0 23.8 35.8#

61 0.0 23.4 35.0#



#76

1,2,3-Trichloropropane

Concen: 27.658 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN086209.D

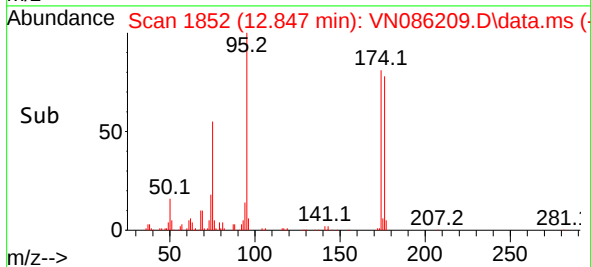
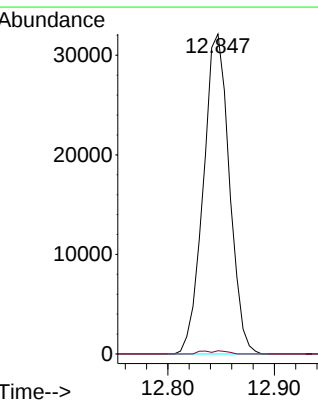
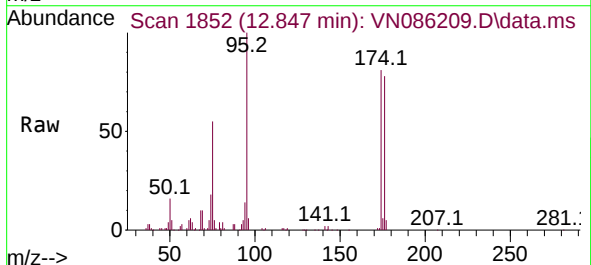
Acq: 02 Apr 2025 15:31

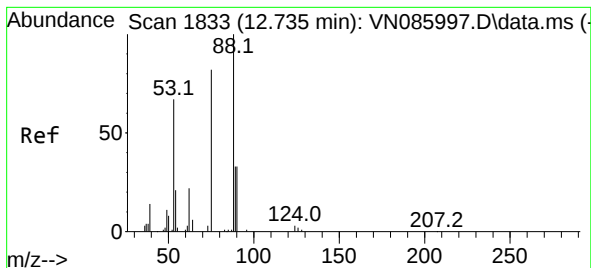
Tgt Ion: 75 Resp: 54521

Ion Ratio Lower Upper

75 100

77 0.5 83.7 251.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.123 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086209.D
 Acq: 02 Apr 2025 15:31

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-12

Tgt Ion: 75 Resp: 54521
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.0 99.0#
 89 0.0 36.9 55.3#

