

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
 Data File : VN088392.D
 Acq On : 01 Dec 2025 18:20
 Operator : JC\MD
 Sample : Q3743-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 02 00:18:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

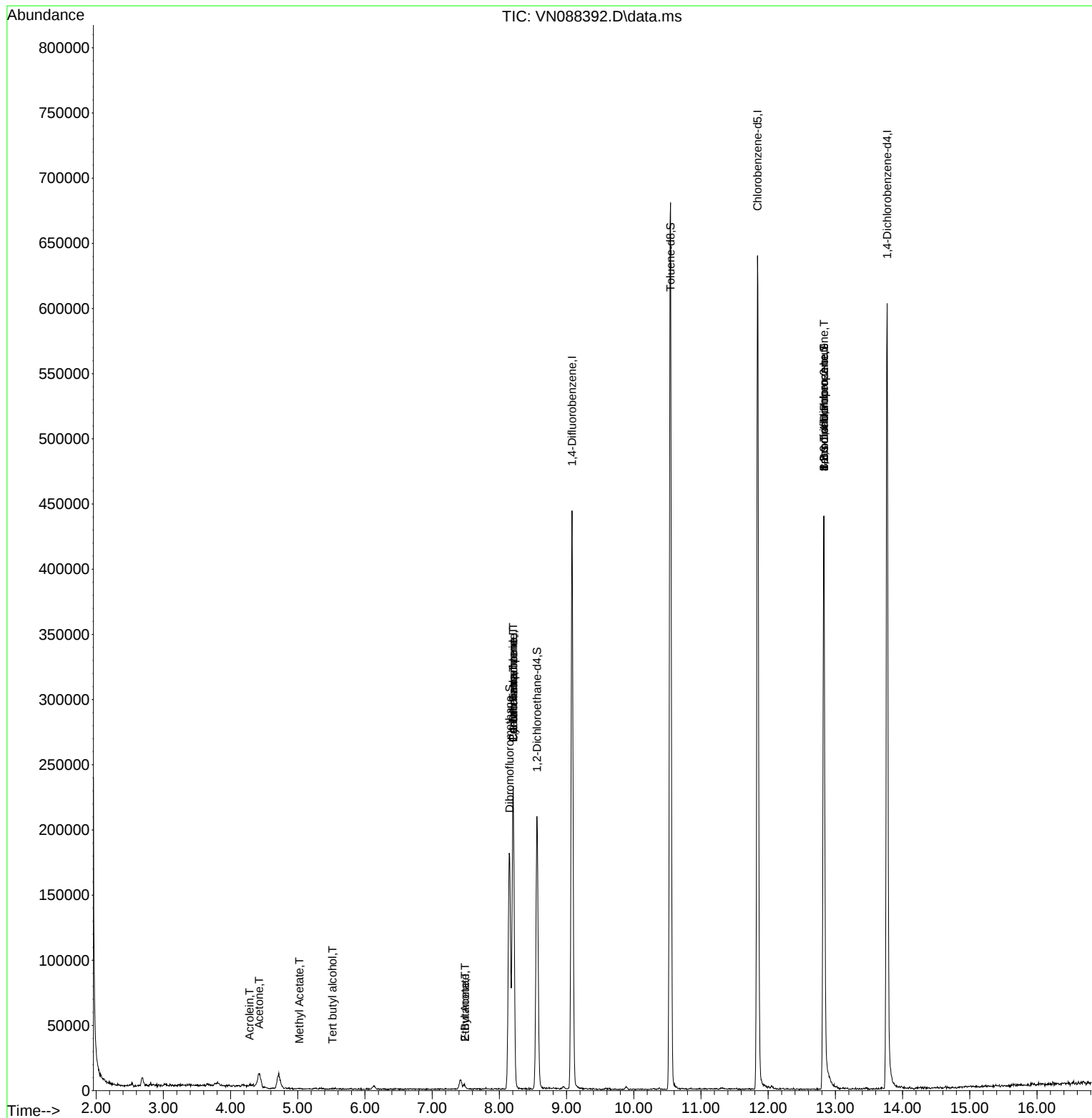
Internal Standards						
1) Pentafluorobenzene	8.206	168	150985	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	353552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	347429	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	164080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	175368	61.657	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 123.320%			
35) Dibromofluoromethane	8.153	113	131731	53.766	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.540%			
50) Toluene-d8	10.547	98	458002	50.240	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.480%			
62) 4-Bromofluorobenzene	12.829	95	166885	53.353	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.700%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.518	59	314	0.691	ug/l #	72
13) Acrolein	4.283	56	110	0.253	ug/l #	81
16) Acetone	4.424	43	22262	21.642	ug/l	97
18) Methyl Acetate	5.024	43	1287	0.420	ug/l #	53
25) 2-Butanone	7.488	43	5720	3.459	ug/l #	81
31) Cyclohexane	8.206	56	5123	1.370	ug/l #	25
36) 1,1-Dichloropropene	8.206	75	15718	4.157	ug/l #	53
37) Ethyl Acetate	7.488	43	5720	1.150	ug/l #	72
38) Carbon Tetrachloride	8.206	117	18597	4.940	ug/l #	14
71) Bromoform	12.829	173	1102	0.572	ug/l #	29
76) 1,2,3-Trichloropropane	12.829	75	95812	24.931	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	95812	70.729	ug/l #	1

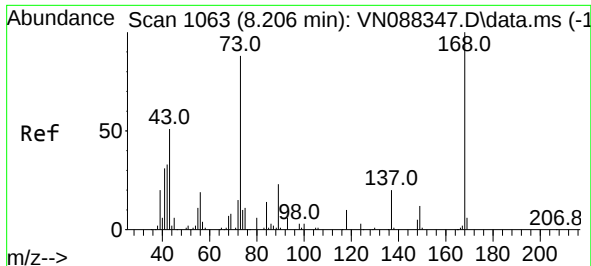
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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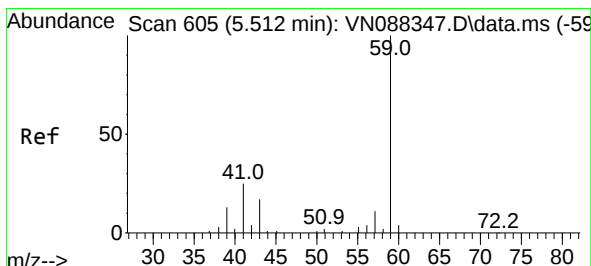
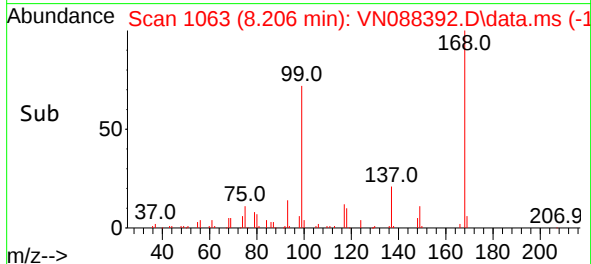
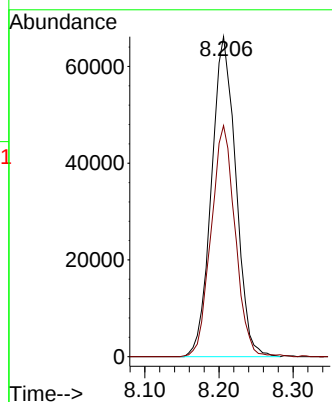
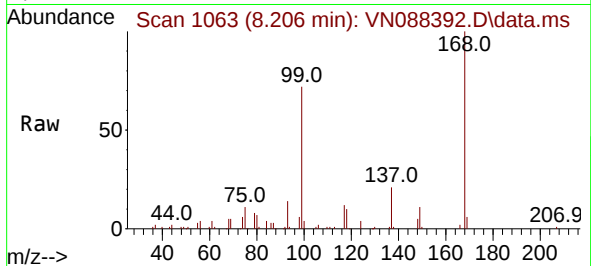




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088392.D
Acq: 01 Dec 2025 18:20

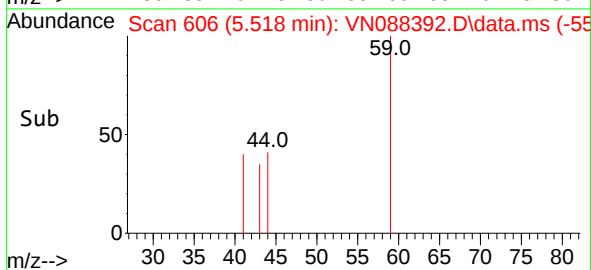
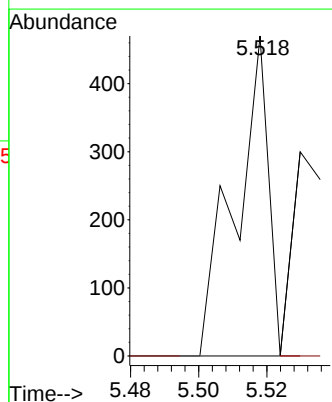
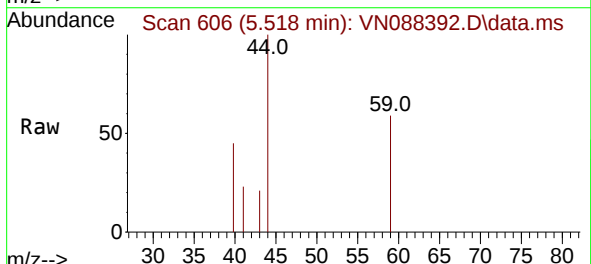
Instrument :
MSVOA_N
ClientSampleId :

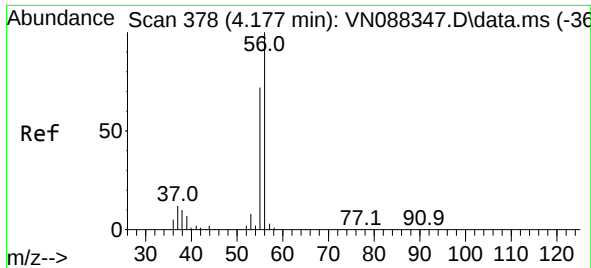
Tgt Ion:168 Resp: 150985
Ion Ratio Lower Upper
168 100
99 72.2 57.1 85.7



#11
Tert butyl alcohol
Concen: 0.691 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN088392.D
Acq: 01 Dec 2025 18:20

Tgt Ion: 59 Resp: 314
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

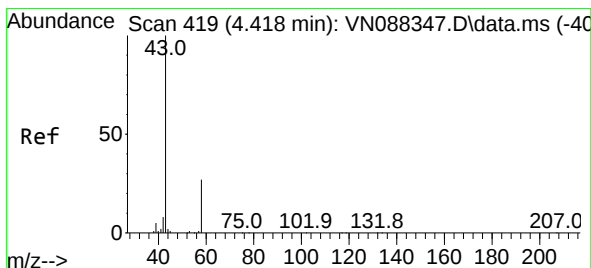
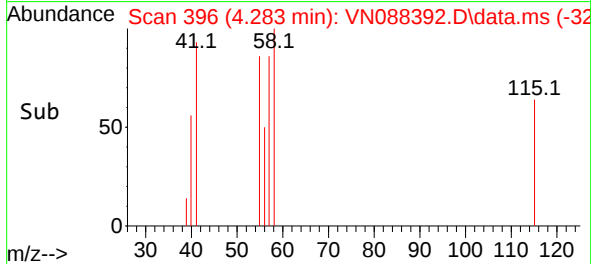
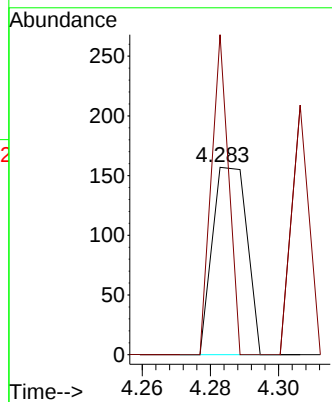
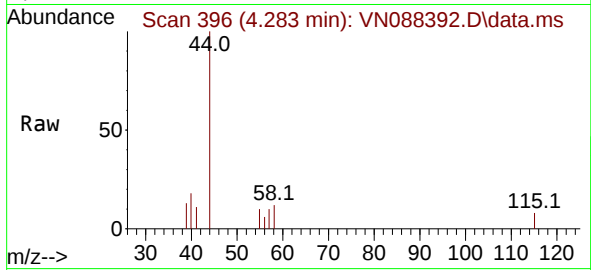




#13
Acrolein
Concen: 0.253 ug/l
RT: 4.283 min Scan# 396
Delta R.T. 0.106 min
Lab File: VN088392.D
Acq: 01 Dec 2025 18:20

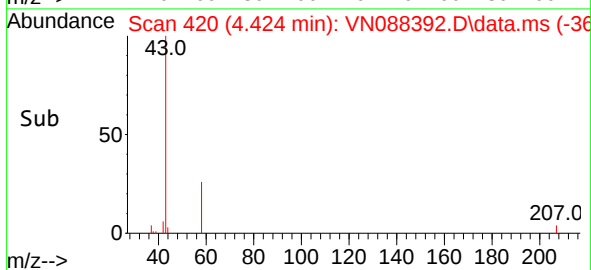
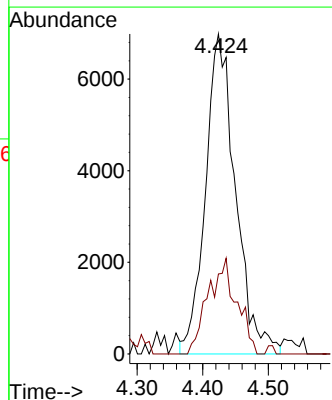
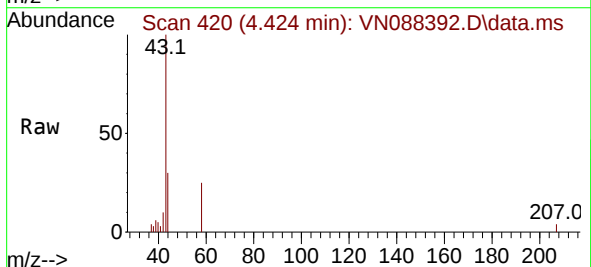
Instrument :
MSVOA_N
ClientSampleId :

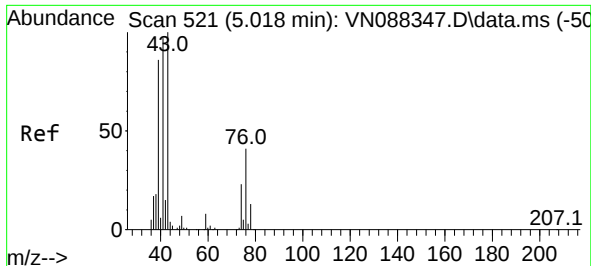
Tgt Ion: 56 Resp: 110
Ion Ratio Lower Upper
56 100
55 86.4 56.3 84.5#



#16
Acetone
Concen: 21.642 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN088392.D
Acq: 01 Dec 2025 18:20

Tgt Ion: 43 Resp: 22262
Ion Ratio Lower Upper
43 100
58 25.6 21.7 32.5





#18

Methyl Acetate

Concen: 0.420 ug/l

RT: 5.024 min Scan# 51

Delta R.T. 0.006 min

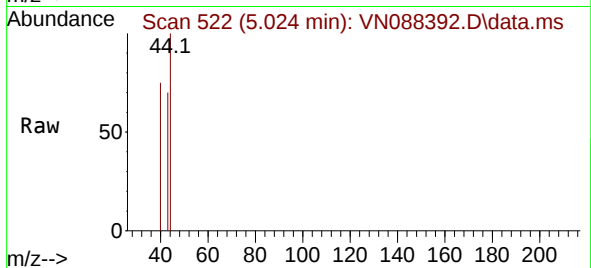
Lab File: VN088392.D

Acq: 01 Dec 2025 18:20

Instrument :

MSVOA_N

ClientSampleId :

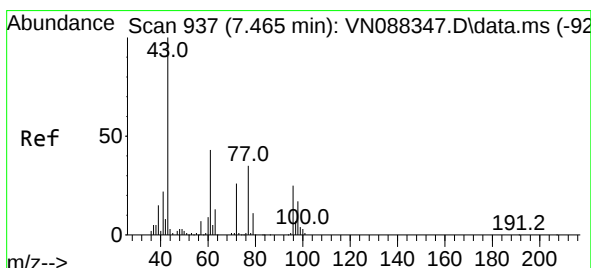
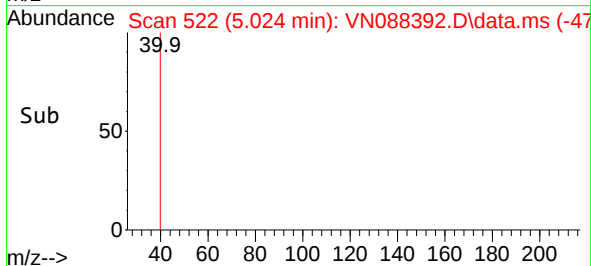
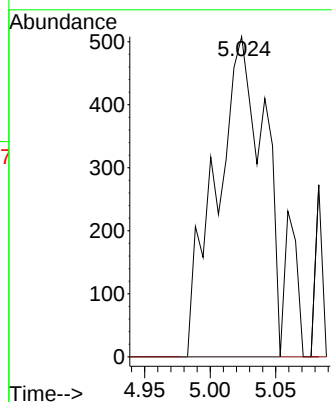


Tgt Ion: 43 Resp: 1287

Ion Ratio Lower Upper

43 100

74 0.0 17.9 26.9#



#25

2-Butanone

Concen: 3.459 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.024 min

Lab File: VN088392.D

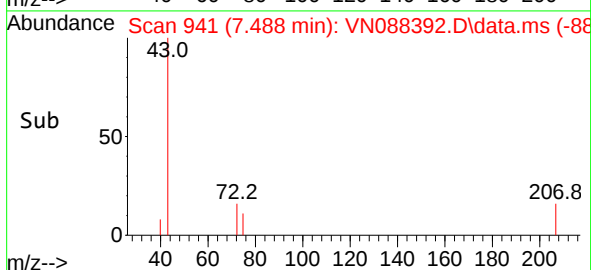
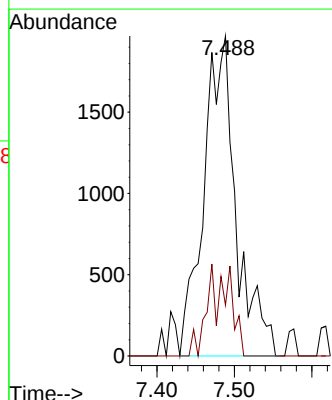
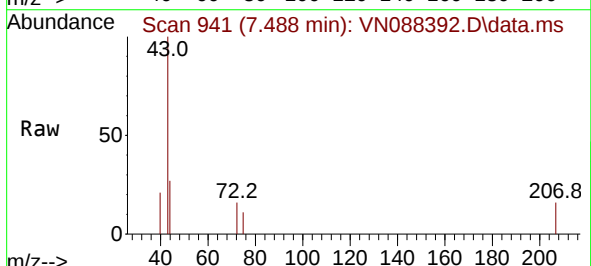
Acq: 01 Dec 2025 18:20

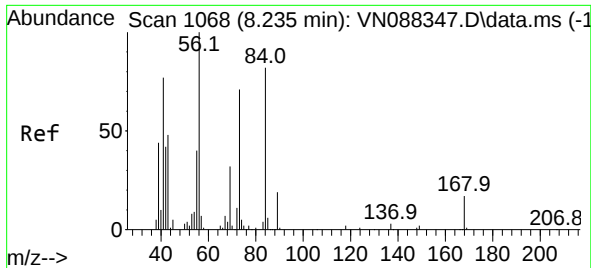
Tgt Ion: 43 Resp: 5720

Ion Ratio Lower Upper

43 100

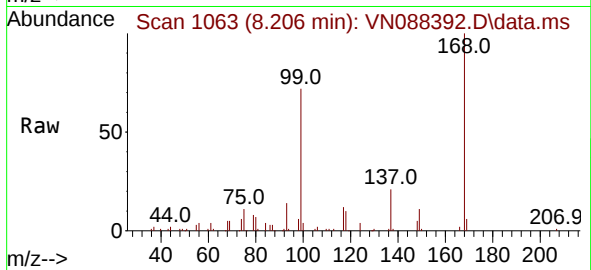
72 15.8 20.5 30.7#



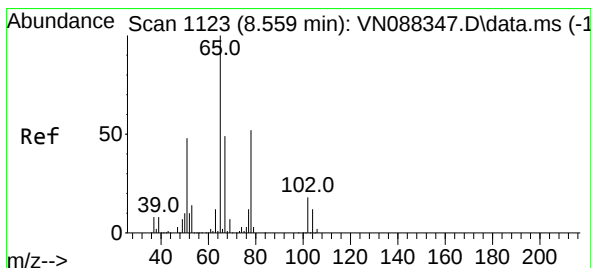
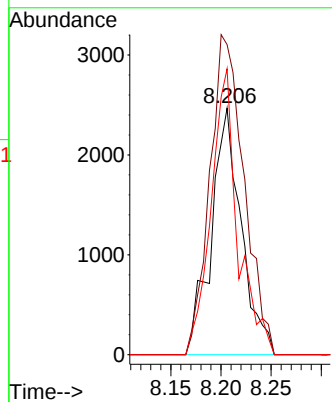
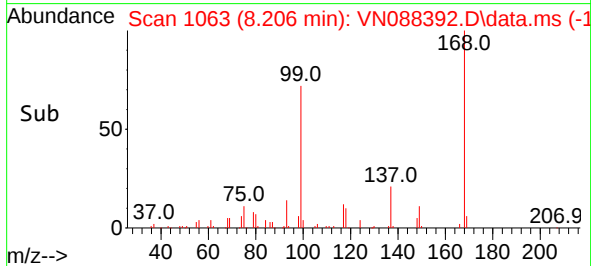


#31
Cyclohexane
Concen: 1.370 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.029 min
Lab File: VN088392.D
Acq: 01 Dec 2025 18:20

Instrument :
MSVOA_N
ClientSampleId :

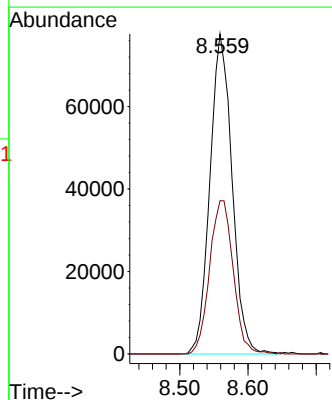
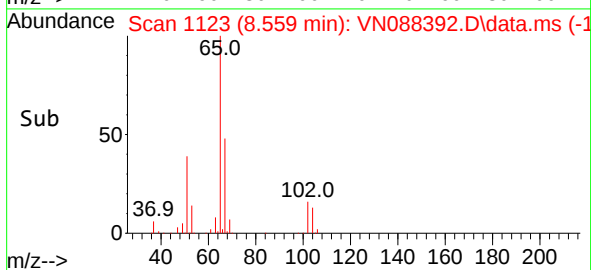
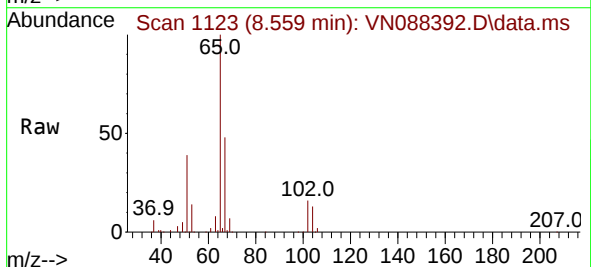


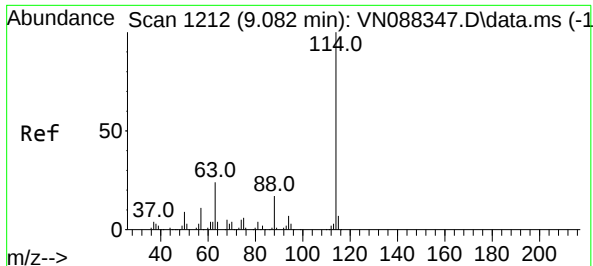
Tgt Ion: 56 Resp: 5123
Ion Ratio Lower Upper
56 100
69 125.8 25.3 37.9#
84 116.0 65.4 98.2#



#33
1,2-Dichloroethane-d4
Concen: 61.657 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088392.D
Acq: 01 Dec 2025 18:20

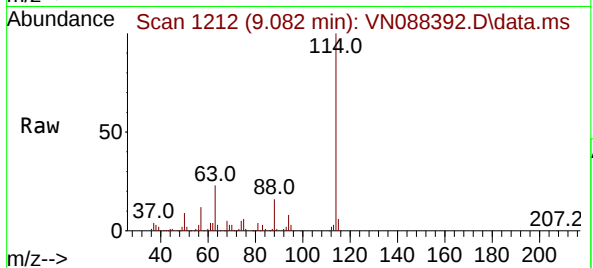
Tgt Ion: 65 Resp: 175368
Ion Ratio Lower Upper
65 100
67 51.1 0.0 100.8



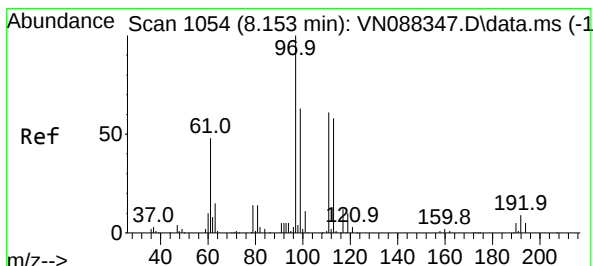
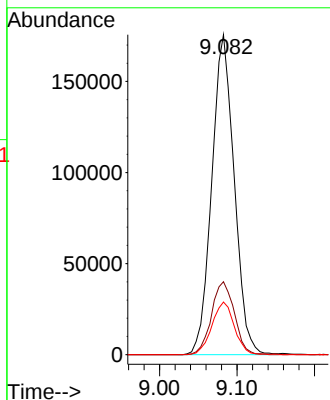
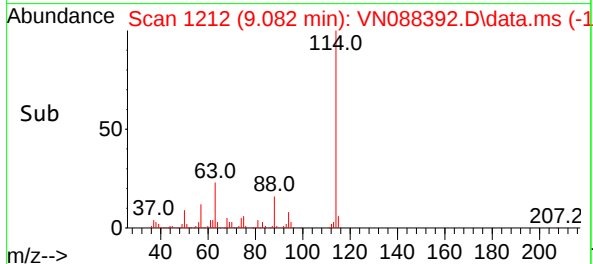


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088392.D
Acq: 01 Dec 2025 18:20

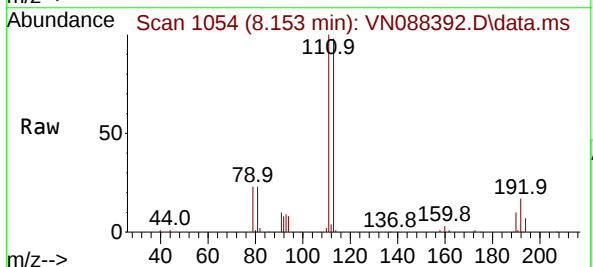
Instrument :
MSVOA_N
ClientSampleId :



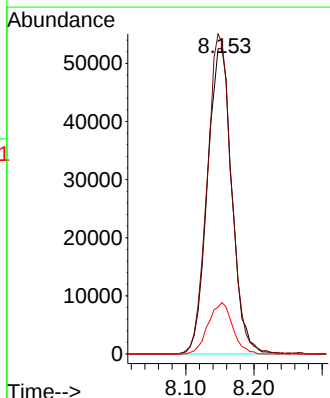
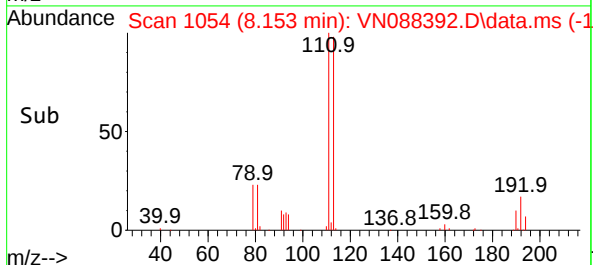
Tgt Ion:114 Resp: 353552
Ion Ratio Lower Upper
114 100
63 22.8 0.0 49.0
88 16.4 0.0 34.0

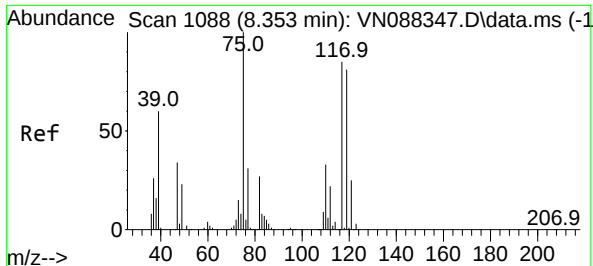


#35
Dibromofluoromethane
Concen: 53.766 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.000 min
Lab File: VN088392.D
Acq: 01 Dec 2025 18:20



Tgt Ion:113 Resp: 131731
Ion Ratio Lower Upper
113 100
111 102.9 82.5 123.7
192 16.7 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.157 ug/l

RT: 8.206 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN088392.D

Acq: 01 Dec 2025 18:20

Instrument :

MSVOA_N

ClientSampleId :

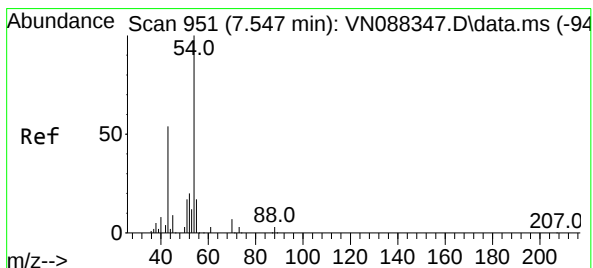
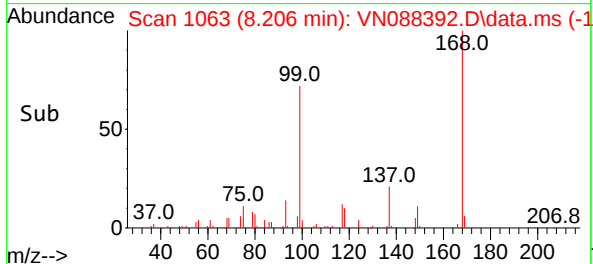
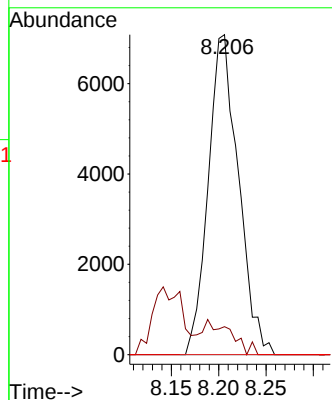
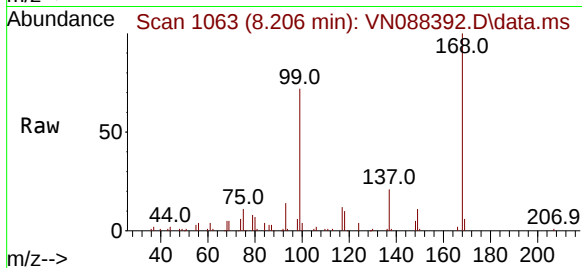
Tgt Ion: 75 Resp: 15718

Ion Ratio Lower Upper

75 100

110 10.2 15.8 47.4#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 1.150 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.059 min

Lab File: VN088392.D

Acq: 01 Dec 2025 18:20

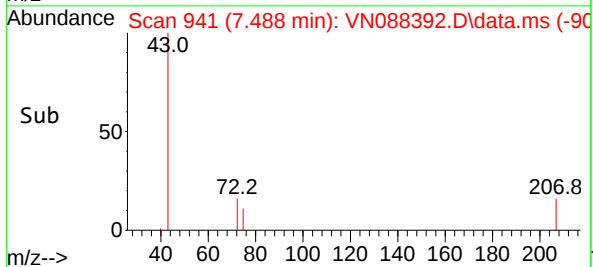
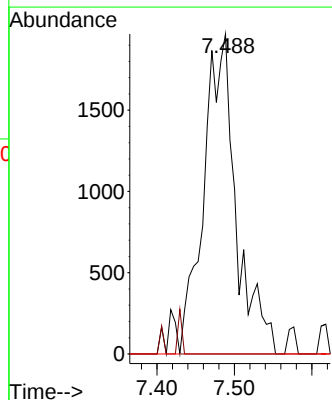
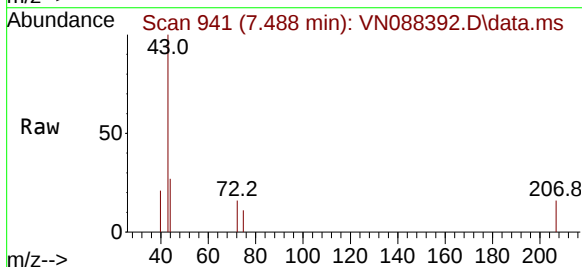
Tgt Ion: 43 Resp: 5720

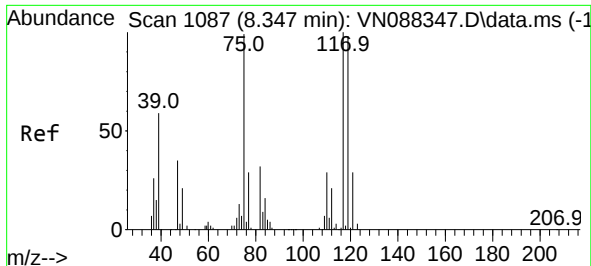
Ion Ratio Lower Upper

43 100

61 0.0 9.5 14.3#

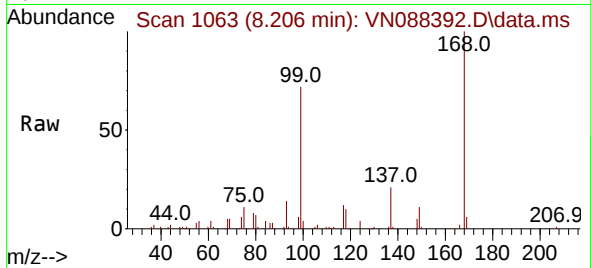
70 0.0 7.1 10.7#



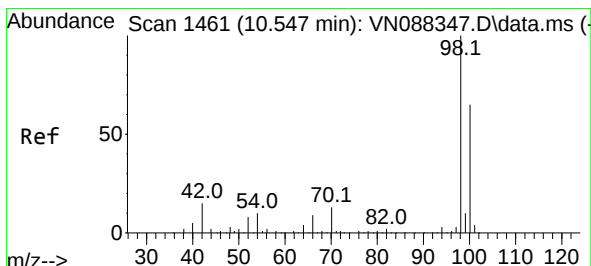
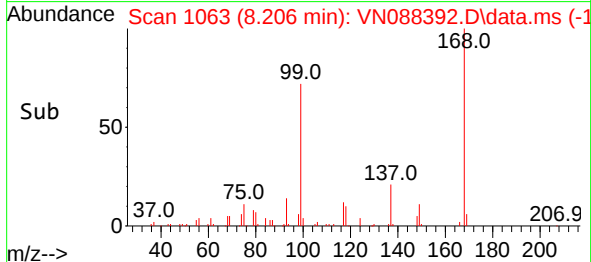
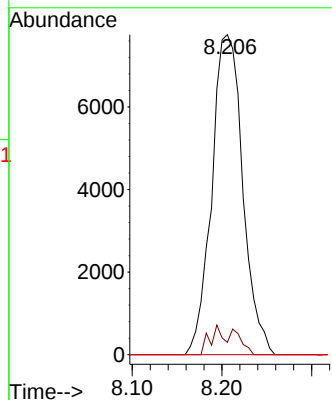


#38
Carbon Tetrachloride
Concen: 4.940 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.141 min
Lab File: VN088392.D
Acq: 01 Dec 2025 18:20

Instrument :
MSVOA_N
ClientSampleId :

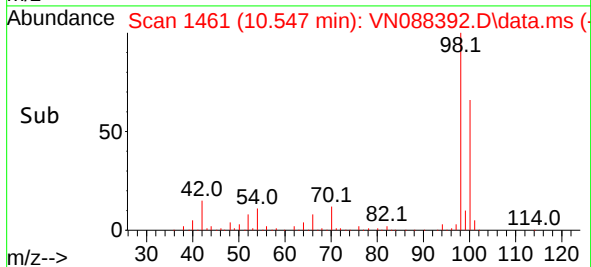
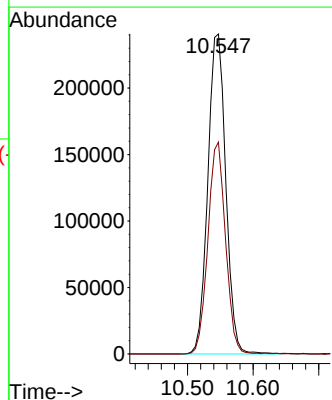
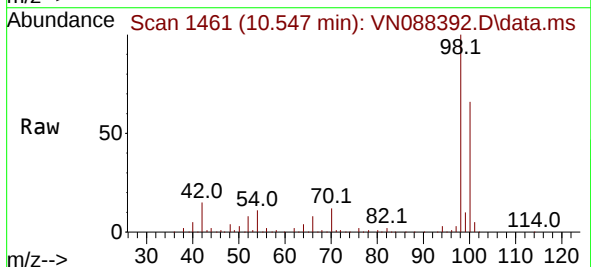


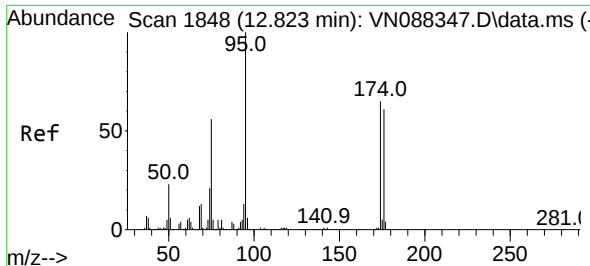
Tgt Ion:117 Resp: 18597
Ion Ratio Lower Upper
117 100
119 3.8 78.2 117.4#
121 0.0 23.4 35.2#



#50
Toluene-d8
Concen: 50.240 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088392.D
Acq: 01 Dec 2025 18:20

Tgt Ion: 98 Resp: 458002
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2

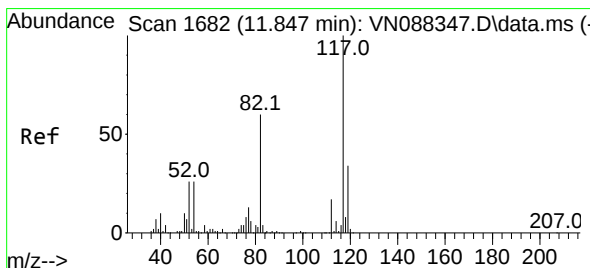
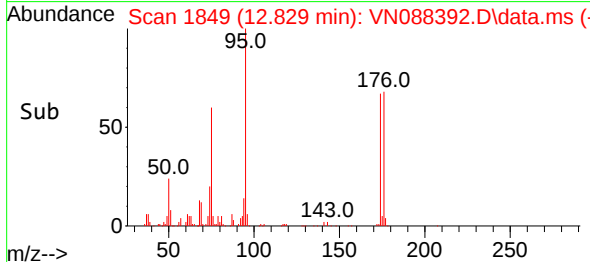
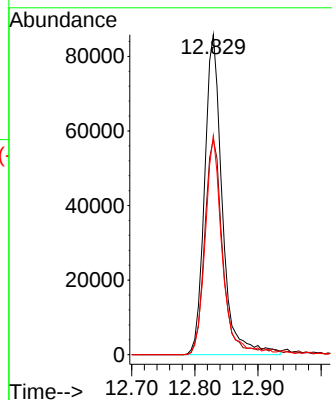
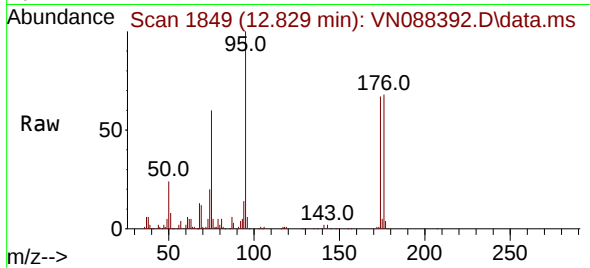




#62
4-Bromofluorobenzene
Concen: 53.353 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN088392.D
Acq: 01 Dec 2025 18:20

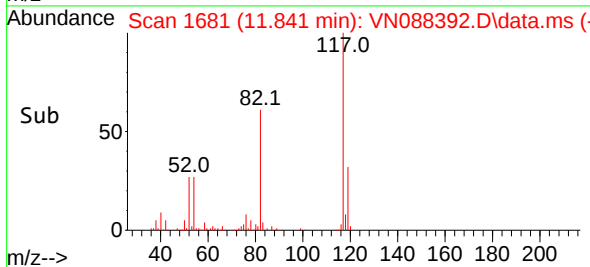
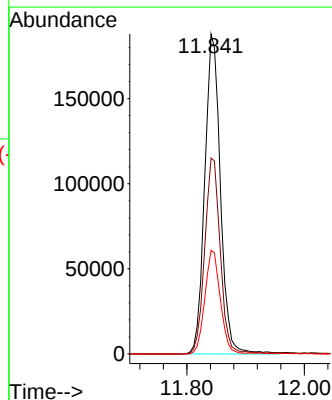
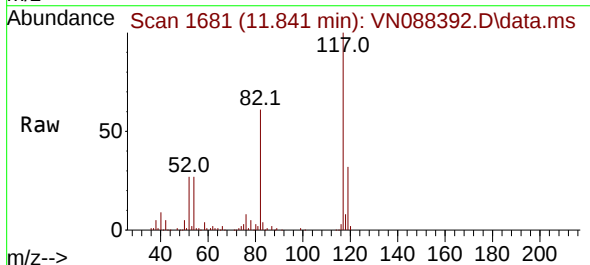
Instrument :
MSVOA_N
ClientSampleId :

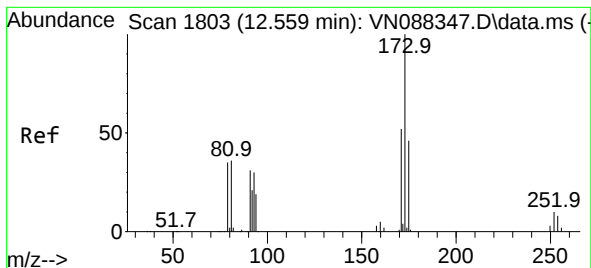
Tgt Ion: 95 Resp: 166885
Ion Ratio Lower Upper
95 100
174 67.7 0.0 139.0
176 66.4 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088392.D
Acq: 01 Dec 2025 18:20

Tgt Ion: 117 Resp: 347429
Ion Ratio Lower Upper
117 100
82 61.2 47.8 71.8
119 32.4 26.9 40.3





#71

Bromoform

Concen: 0.572 ug/l

RT: 12.829 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN088392.D

Acq: 01 Dec 2025 18:20

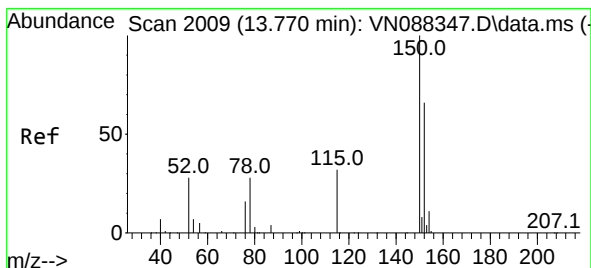
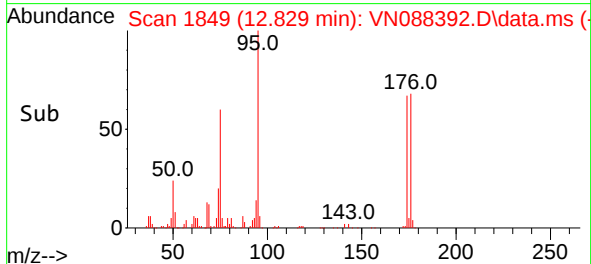
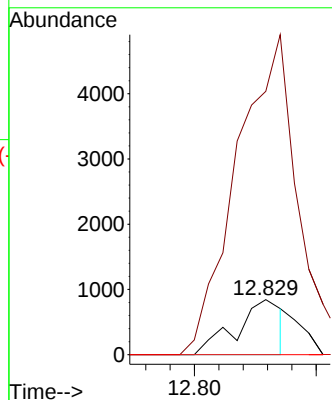
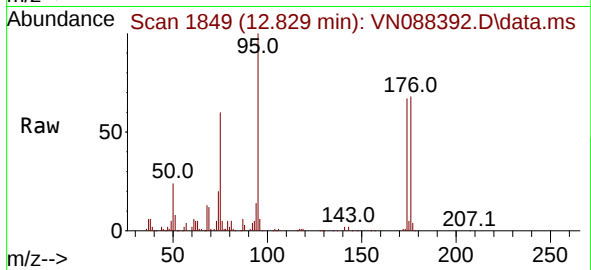
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 1102

Ion	Ratio	Lower	Upper
173	100		
175	0.0	23.9	71.8#
254	0.0	0.1	0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

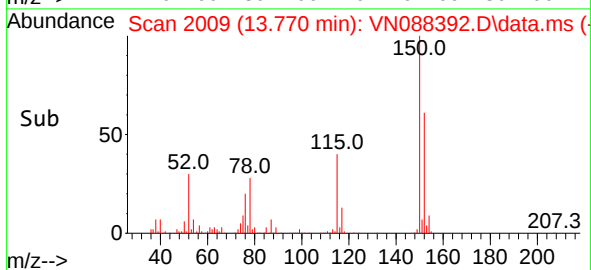
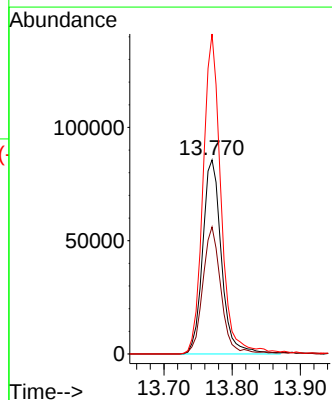
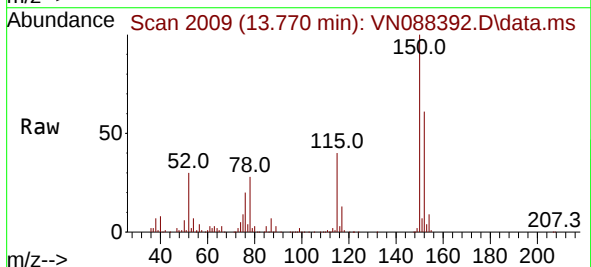
Delta R.T. 0.000 min

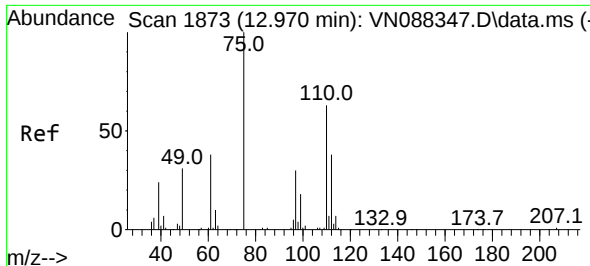
Lab File: VN088392.D

Acq: 01 Dec 2025 18:20

Tgt Ion:152 Resp: 164080

Ion	Ratio	Lower	Upper
152	100		
115	63.8	33.0	98.9
150	158.0	0.0	349.0

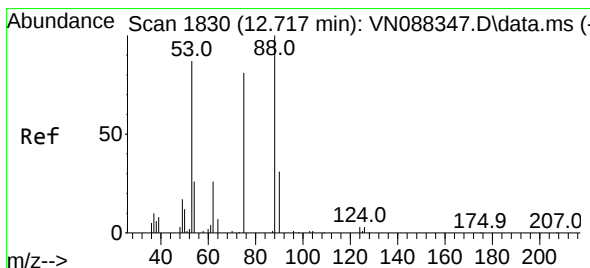
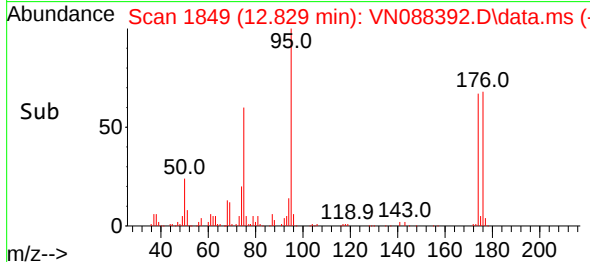
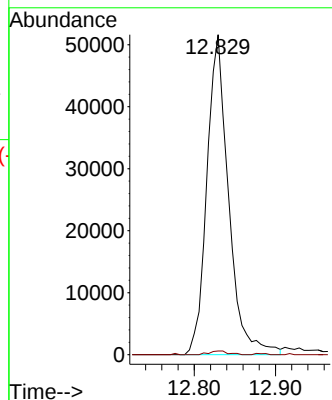
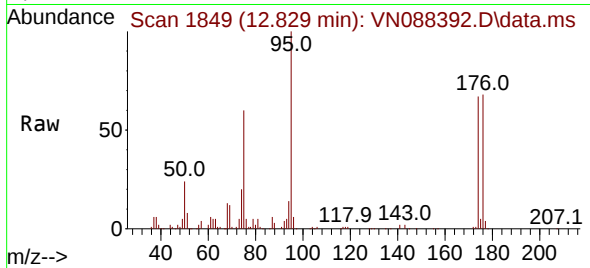




#76
1,2,3-Trichloropropane
Concen: 24.931 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN088392.D
Acq: 01 Dec 2025 18:20

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 95812
Ion Ratio Lower Upper
75 100
77 1.0 87.2 261.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.729 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088392.D
Acq: 01 Dec 2025 18:20

Tgt Ion: 75 Resp: 95812
Ion Ratio Lower Upper
75 100
53 0.1 92.2 138.4#
89 0.0 0.0 0.0

