

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
 Data File : VN088510.D
 Acq On : 10 Dec 2025 18:36
 Operator : JC\MD
 Sample : Q3826-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 11 02:14:16 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

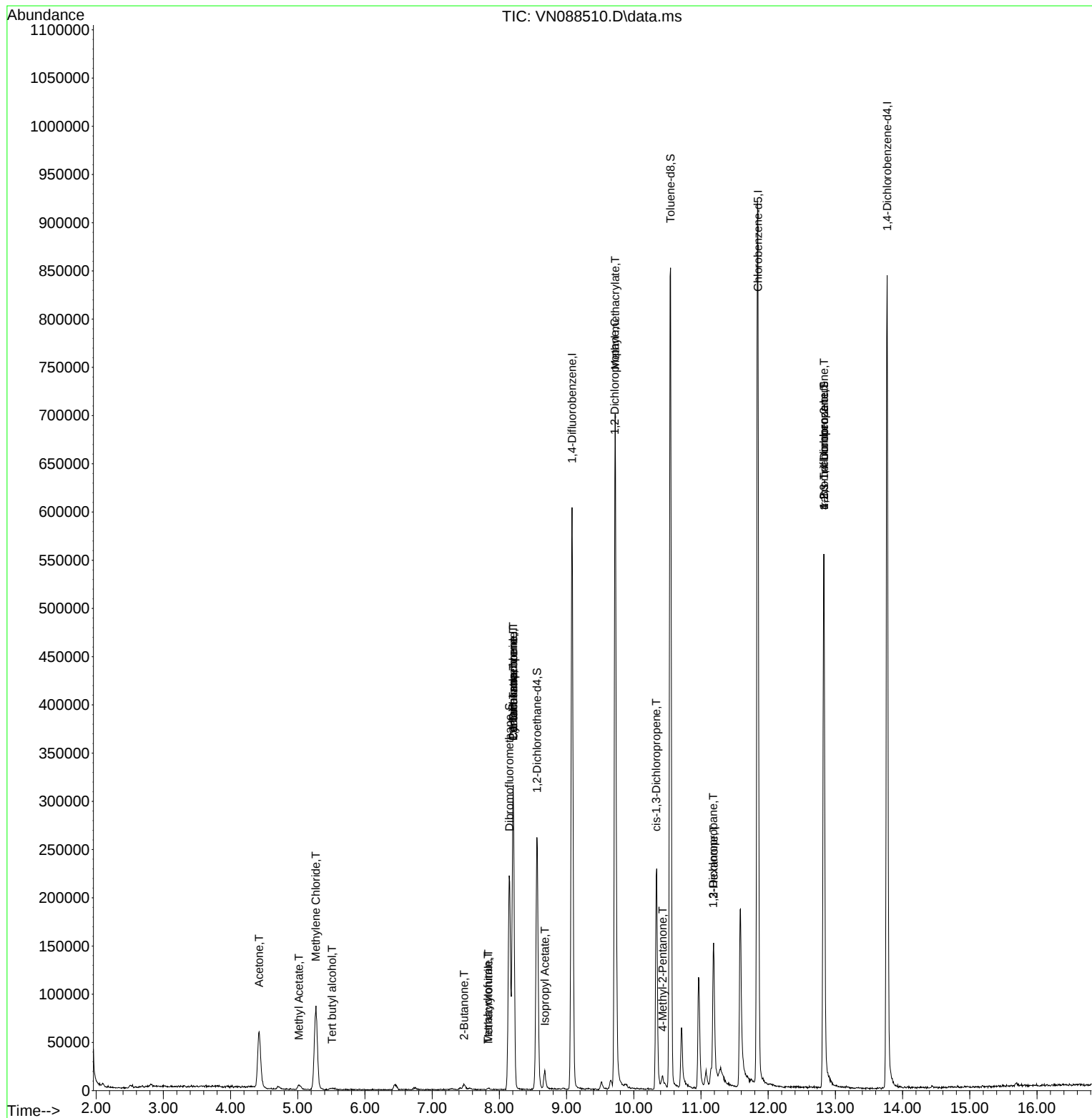
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	198700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	470681	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	495342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	217926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	224182	59.892	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	119.780%
35) Dibromofluoromethane	8.147	113	161955	49.652	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.300%
50) Toluene-d8	10.547	98	567662	46.773	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.540%
62) 4-Bromofluorobenzene	12.829	95	211902	50.886	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.780%
Target Compounds						Qvalue
11) Tert butyl alcohol	5.512	59	2071	3.465	ug/l	# 88
16) Acetone	4.424	43	120517	89.028	ug/l	# 100
18) Methyl Acetate	5.018	43	11235	2.788	ug/l	# 72
20) Methylene Chloride	5.271	84	63149	21.804	ug/l	# 95
25) 2-Butanone	7.477	43	9748	4.479	ug/l	# 90
29) Tetrahydrofuran	7.830	42	801	0.513	ug/l	# 60
31) Cyclohexane	8.206	56	6695	1.360	ug/l	# 28
36) 1,1-Dichloropropene	8.206	75	21480	4.267	ug/l	# 52
38) Carbon Tetrachloride	8.206	117	23505	4.690	ug/l	# 15
41) Methacrylonitrile	7.835	41	901	0.275	ug/l	# 49
43) Isopropyl Acetate	8.677	43	23230	2.297	ug/l	# 88
45) 1,2-Dichloropropane	9.718	63	842	0.222	ug/l	# 46
48) Methyl methacrylate	9.723	41	73541	15.938	ug/l	# 47
51) 4-Methyl-2-Pentanone	10.429	43	8912	1.495	ug/l	# 95
54) cis-1,3-Dichloropropene	10.335	75	38719	6.507	ug/l	# 69
57) 1,3-Dichloropropane	11.182	76	1673	0.281	ug/l	# 42
59) 2-Hexanone	11.188	43	28213	7.513	ug/l	# 62
76) 1,2,3-Trichloropropane	12.829	75	122834	24.065	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.829	75	122834	68.272	ug/l	# 1

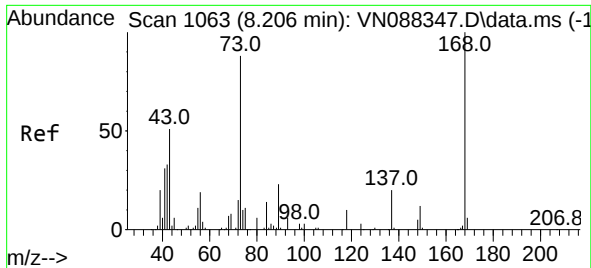
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121025\
Data File : VN088510.D
Acq On : 10 Dec 2025 18:36
Operator : JC\MD
Sample : Q3826-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 11 02:14:16 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

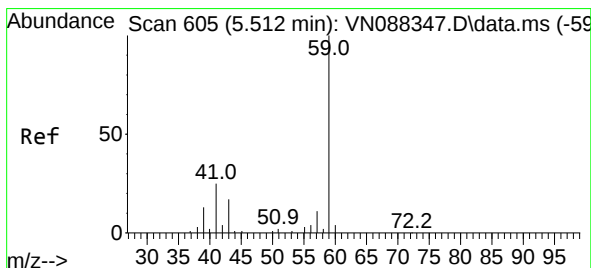
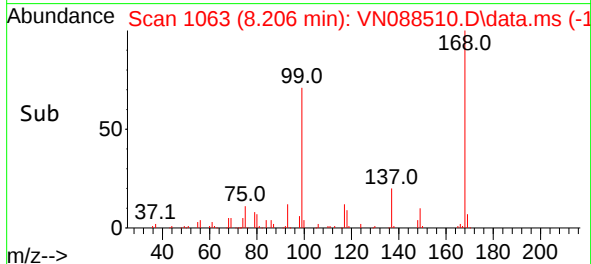
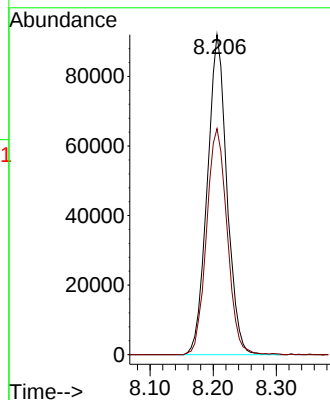
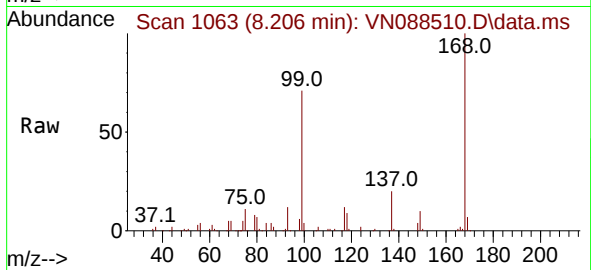




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088510.D
Acq: 10 Dec 2025 18:36

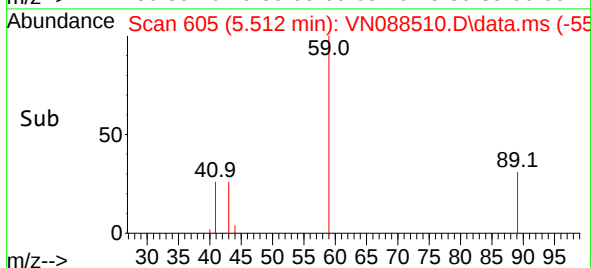
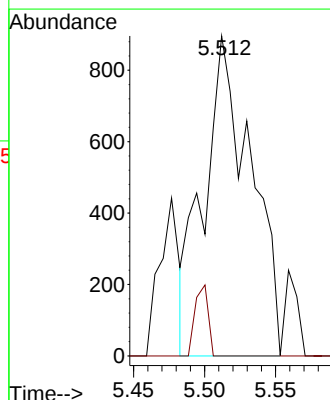
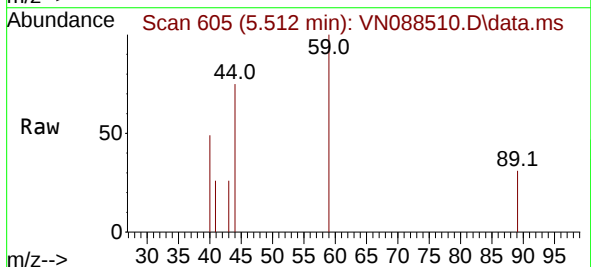
Instrument :
MSVOA_N
ClientSampleId :

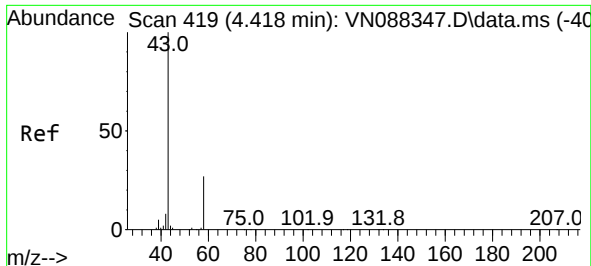
Tgt Ion:168 Resp: 198700
Ion Ratio Lower Upper
168 100
99 70.7 57.1 85.7



#11
Tert butyl alcohol
Concen: 3.465 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.000 min
Lab File: VN088510.D
Acq: 10 Dec 2025 18:36

Tgt Ion: 59 Resp: 2071
Ion Ratio Lower Upper
59 100
57 6.2 8.5 12.7#

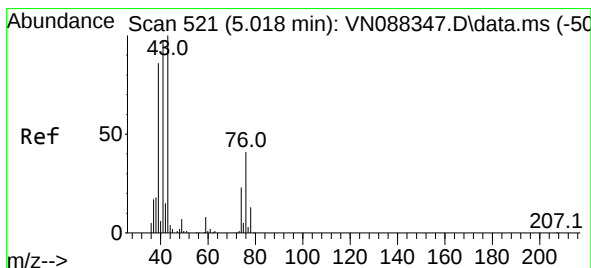
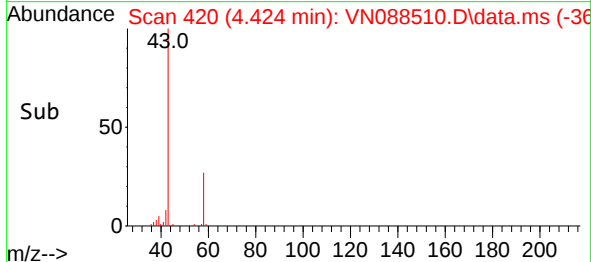
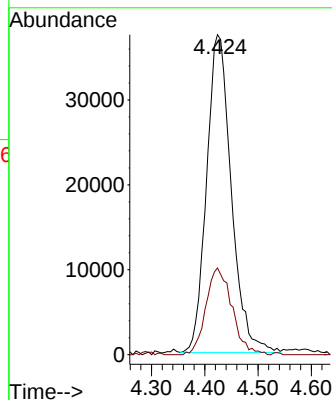
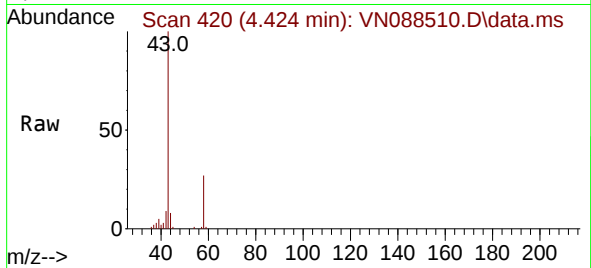




#16
Acetone
Concen: 89.028 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN088510.D
Acq: 10 Dec 2025 18:36

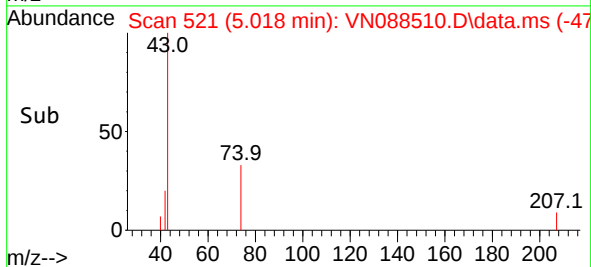
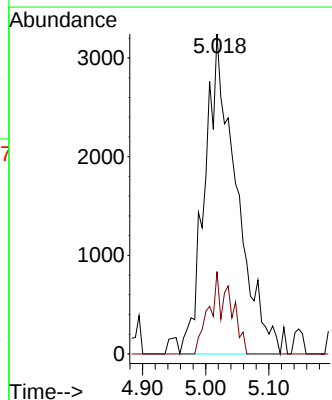
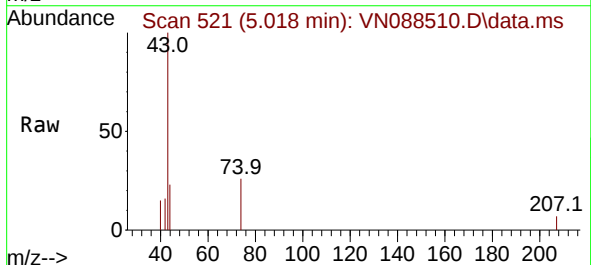
Instrument :
MSVOA_N
ClientSampleId :

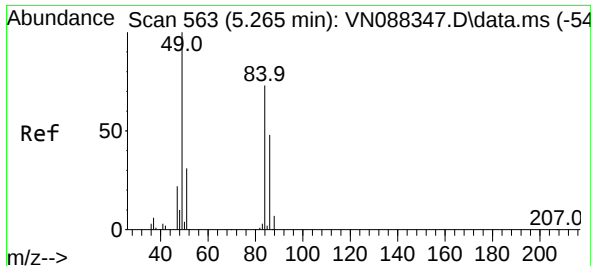
Tgt Ion: 43 Resp: 120517
Ion Ratio Lower Upper
43 100
58 27.3 21.7 32.5



#18
Methyl Acetate
Concen: 2.788 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN088510.D
Acq: 10 Dec 2025 18:36

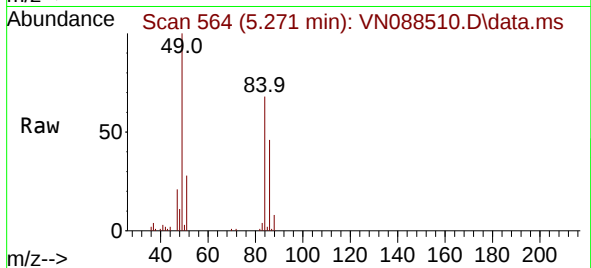
Tgt Ion: 43 Resp: 11235
Ion Ratio Lower Upper
43 100
74 9.1 17.9 26.9#



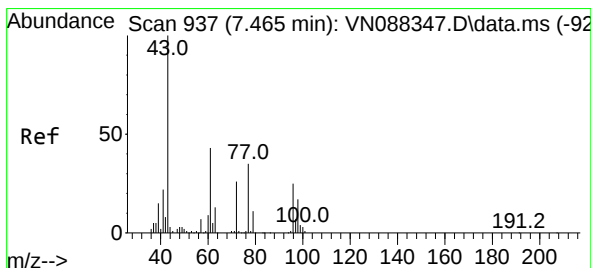
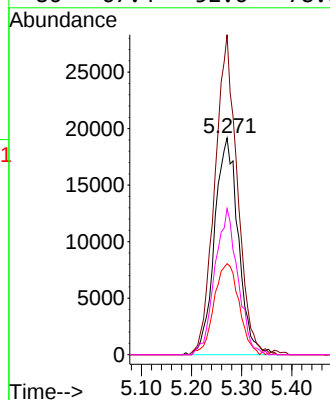
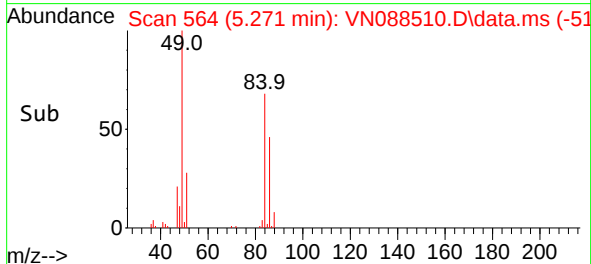


#20
Methylene Chloride
Concen: 21.804 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN088510.D
Acq: 10 Dec 2025 18:36

Instrument :
MSVOA_N
ClientSampleId :

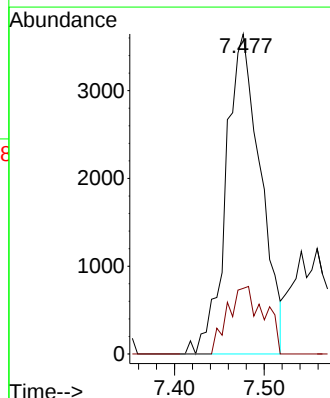
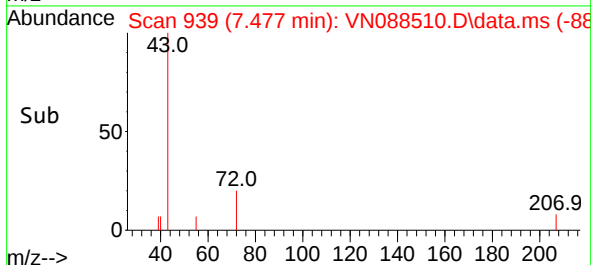
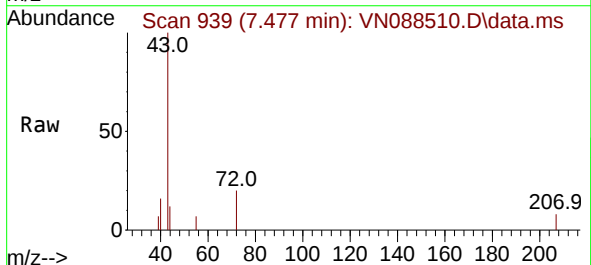


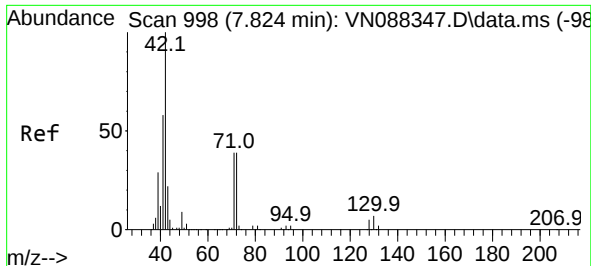
Tgt Ion: 84 Resp: 63149
Ion Ratio Lower Upper
84 100
49 147.7 110.2 165.2
51 42.1 34.1 51.1
86 67.4 52.6 78.8



#25
2-Butanone
Concen: 4.479 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.012 min
Lab File: VN088510.D
Acq: 10 Dec 2025 18:36

Tgt Ion: 43 Resp: 9748
Ion Ratio Lower Upper
43 100
72 20.5 20.5 30.7





#29

Tetrahydrofuran

Concen: 0.513 ug/l

RT: 7.830 min Scan# 998

Delta R.T. 0.006 min

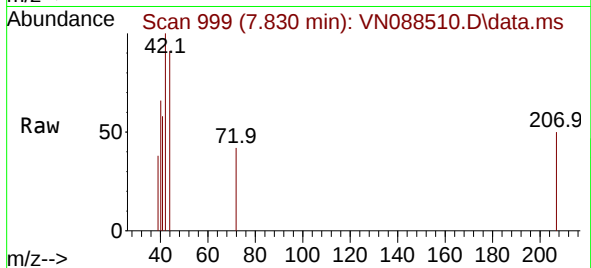
Lab File: VN088510.D

Acq: 10 Dec 2025 18:36

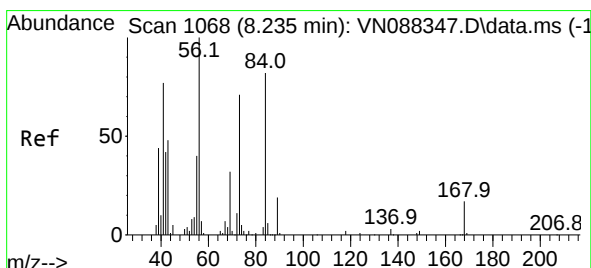
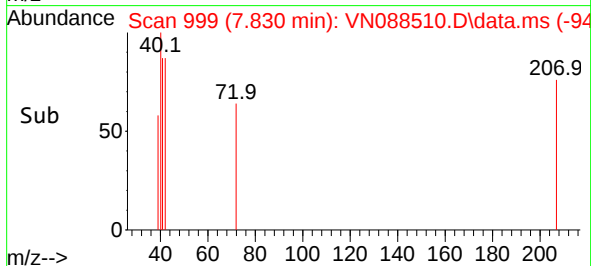
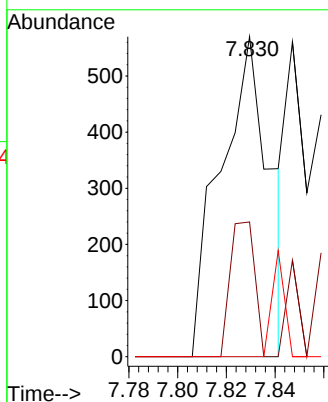
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	801
Ion	Ratio	Lower	Upper
42	100		
72	21.0	32.2	48.4#
71	8.4	31.1	46.7#



#31

Cyclohexane

Concen: 1.360 ug/l

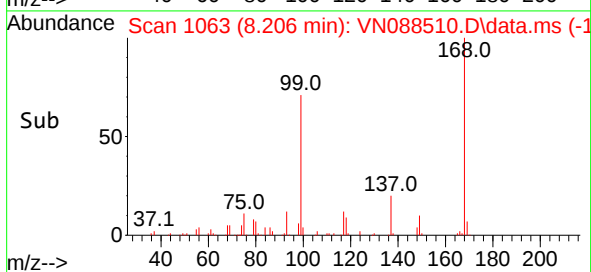
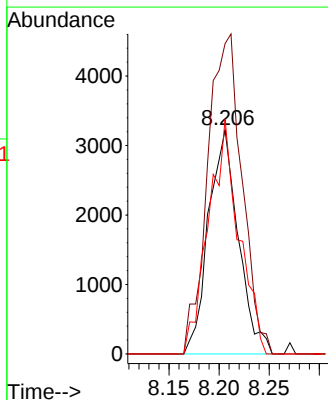
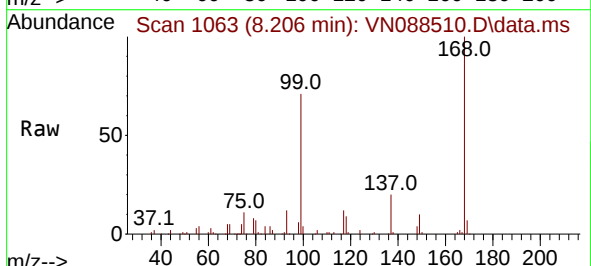
RT: 8.206 min Scan# 1063

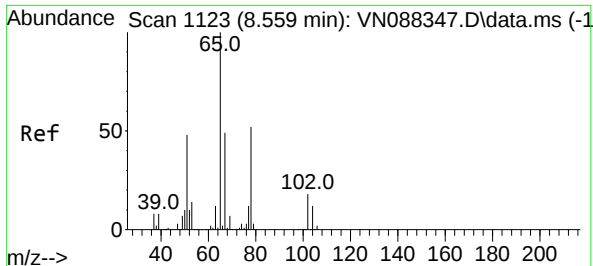
Delta R.T. -0.029 min

Lab File: VN088510.D

Acq: 10 Dec 2025 18:36

Tgt Ion:	56	Resp:	6695
Ion	Ratio	Lower	Upper
56	100		
69	138.7	25.3	37.9#
84	104.8	65.4	98.2#





#33

1,2-Dichloroethane-d4

Concen: 59.892 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088510.D

Acq: 10 Dec 2025 18:36

Instrument :

MSVOA_N

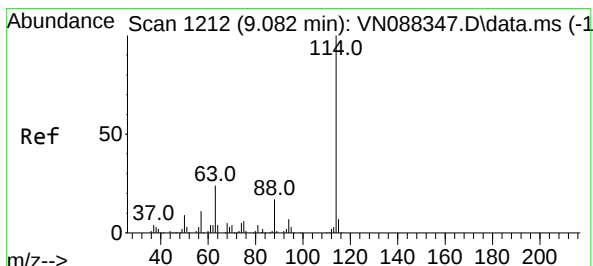
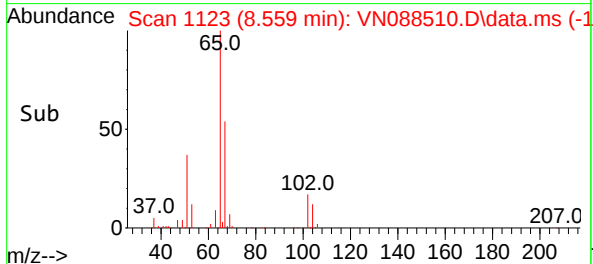
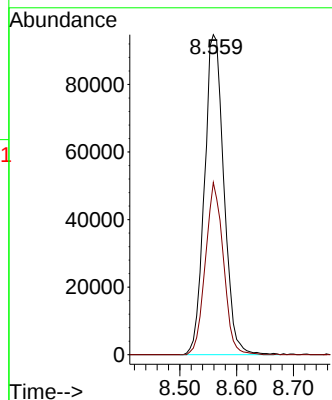
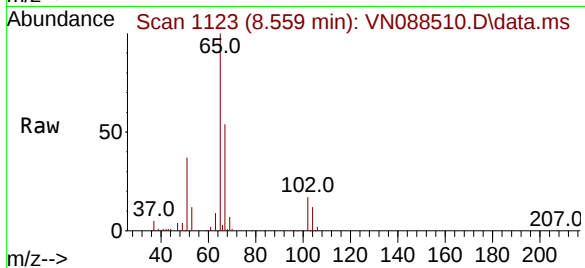
ClientSampleId :

Tgt Ion: 65 Resp: 224182

Ion Ratio Lower Upper

65 100

67 49.9 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088510.D

Acq: 10 Dec 2025 18:36

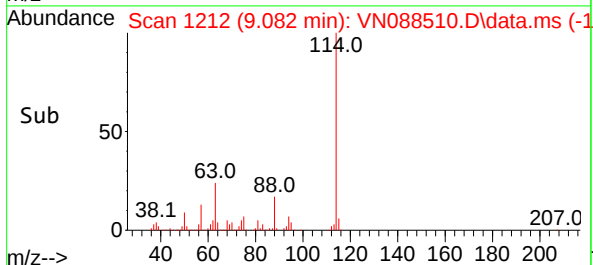
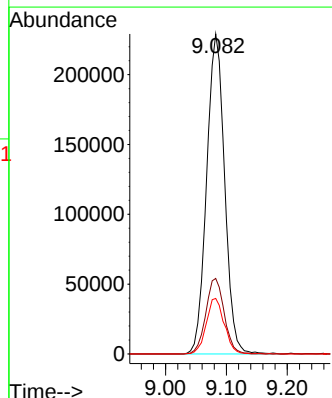
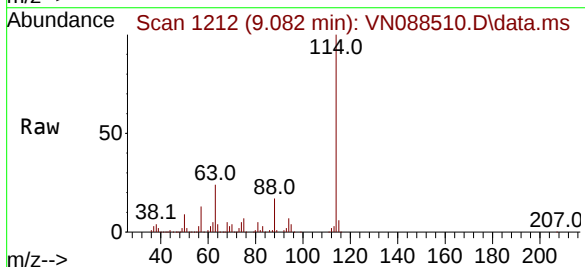
Tgt Ion: 114 Resp: 470681

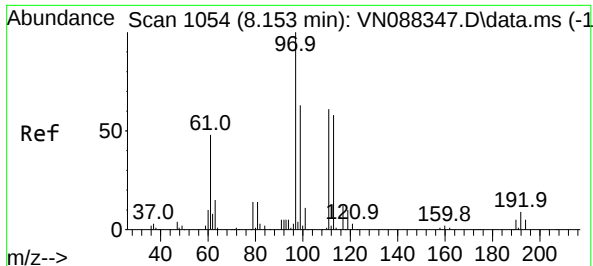
Ion Ratio Lower Upper

114 100

63 23.6 0.0 49.0

88 17.3 0.0 34.0

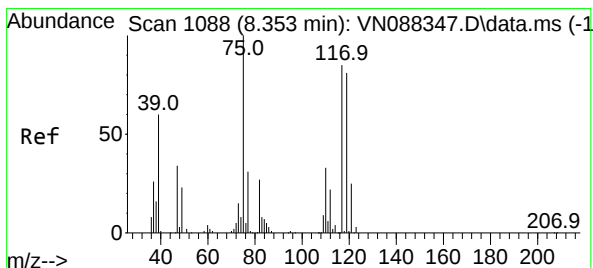
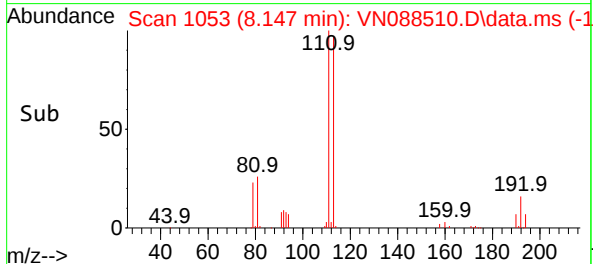
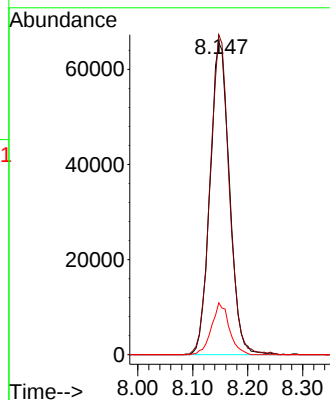
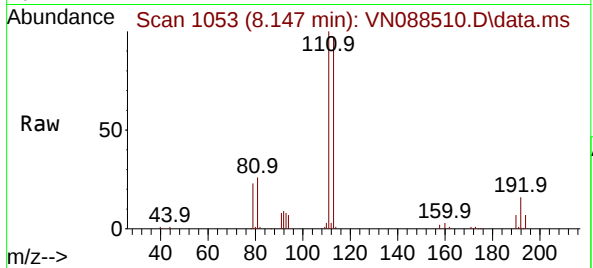




#35
Dibromofluoromethane
Concen: 49.652 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088510.D
Acq: 10 Dec 2025 18:36

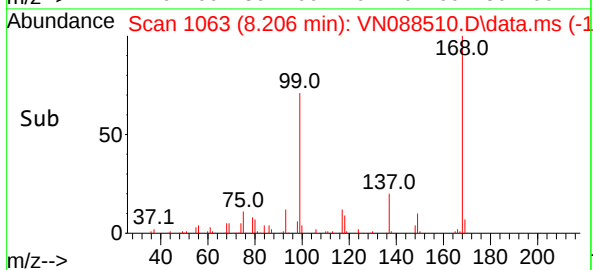
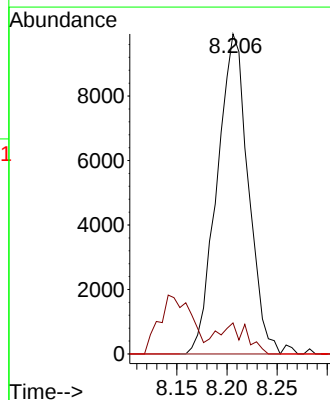
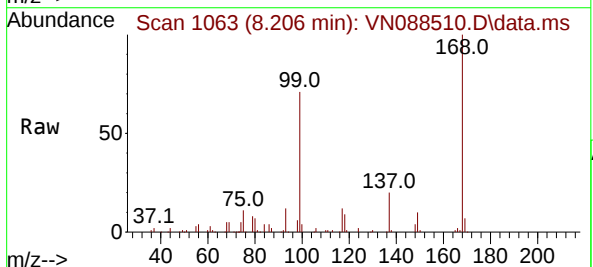
Instrument :
MSVOA_N
ClientSampleId :

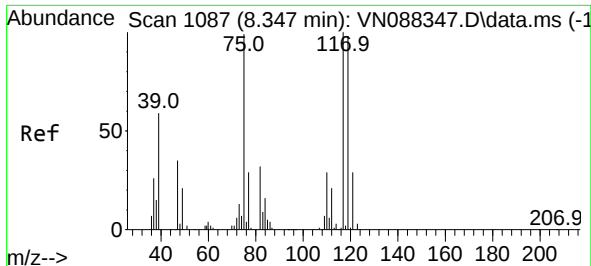
Tgt Ion:113 Resp: 161955
Ion Ratio Lower Upper
113 100
111 100.7 82.5 123.7
192 15.1 12.8 19.2



#36
1,1-Dichloropropene
Concen: 4.267 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.147 min
Lab File: VN088510.D
Acq: 10 Dec 2025 18:36

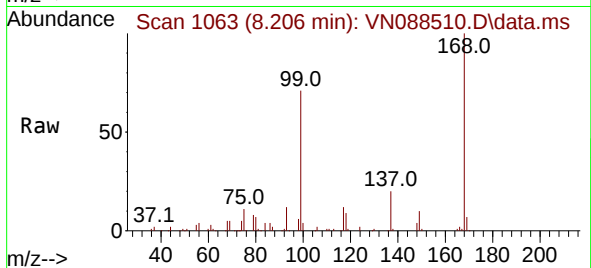
Tgt Ion: 75 Resp: 21480
Ion Ratio Lower Upper
75 100
110 8.6 15.8 47.4#
77 0.0 24.2 36.2#



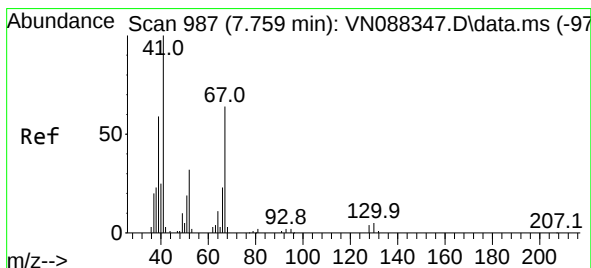
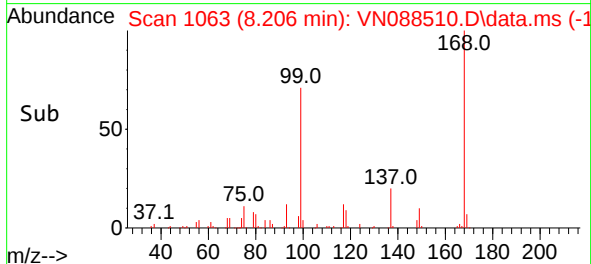
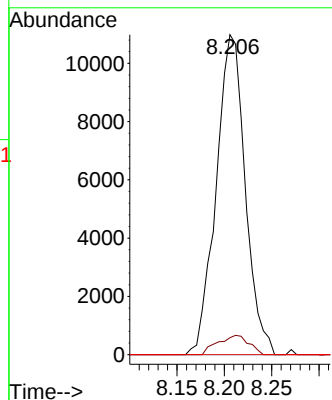


#38
Carbon Tetrachloride
Concen: 4.690 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.141 min
Lab File: VN088510.D
Acq: 10 Dec 2025 18:36

Instrument :
MSVOA_N
ClientSampleId :

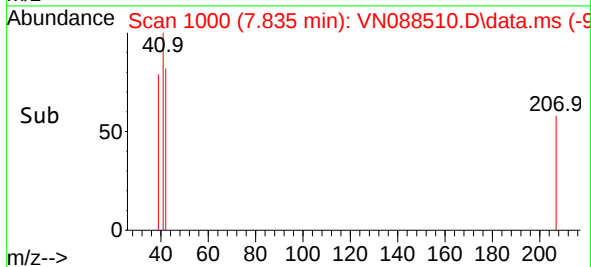
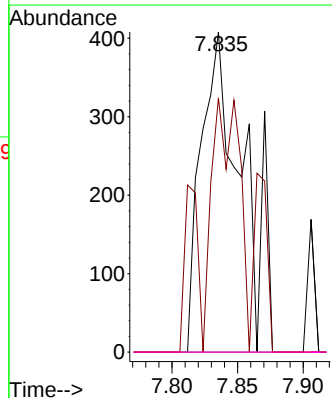
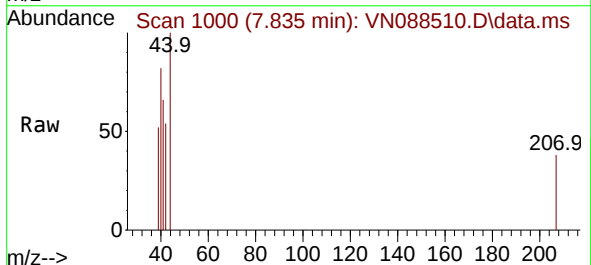


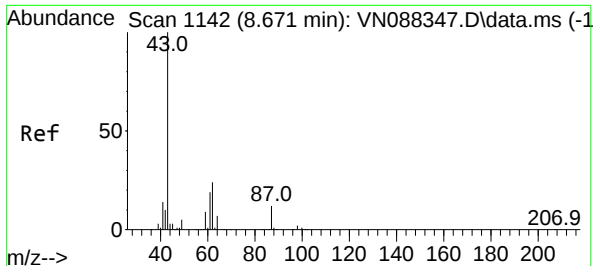
Tgt Ion:117 Resp: 23505
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.4#
121 0.0 23.4 35.2#



#41
Methacrylonitrile
Concen: 0.275 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. 0.076 min
Lab File: VN088510.D
Acq: 10 Dec 2025 18:36

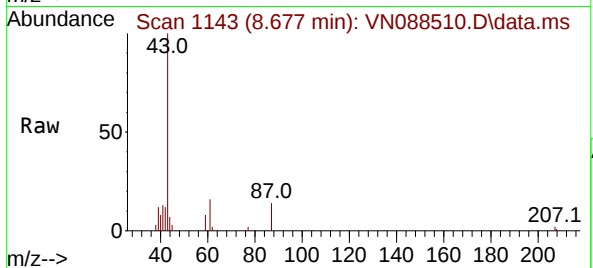
Tgt Ion: 41 Resp: 901
Ion Ratio Lower Upper
41 100
39 52.1 46.3 69.5
67 0.0 54.7 82.1#
52 0.0 27.2 40.8#



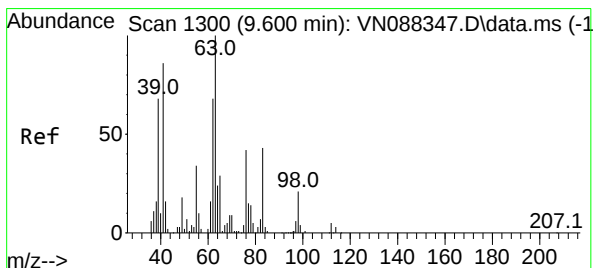
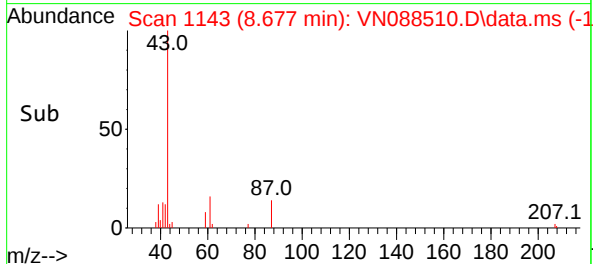
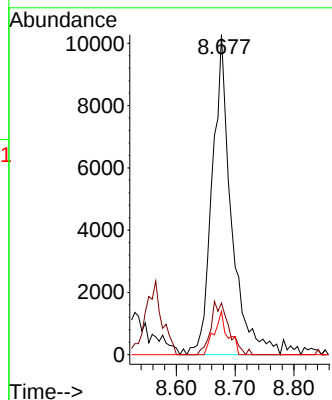


#43
Isopropyl Acetate
Concen: 2.297 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN088510.D
Acq: 10 Dec 2025 18:36

Instrument :
MSVOA_N
ClientSampleId :

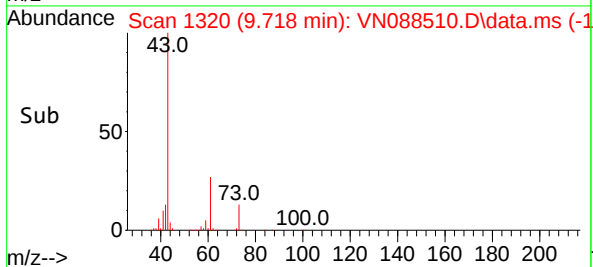
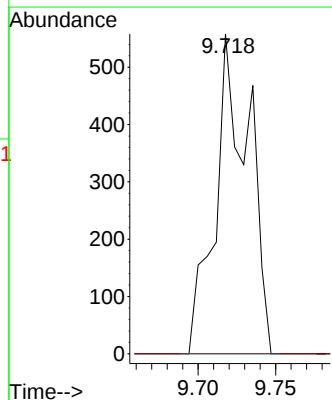
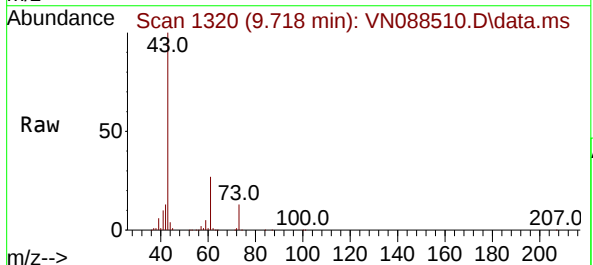


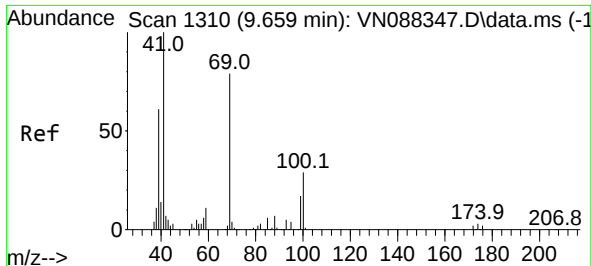
Tgt Ion: 43 Resp: 23230
Ion Ratio Lower Upper
43 100
61 15.8 18.7 28.1#
87 9.7 9.1 13.7



#45
1,2-Dichloropropane
Concen: 0.222 ug/l
RT: 9.718 min Scan# 1320
Delta R.T. 0.118 min
Lab File: VN088510.D
Acq: 10 Dec 2025 18:36

Tgt Ion: 63 Resp: 842
Ion Ratio Lower Upper
63 100
65 0.0 23.0 34.4#

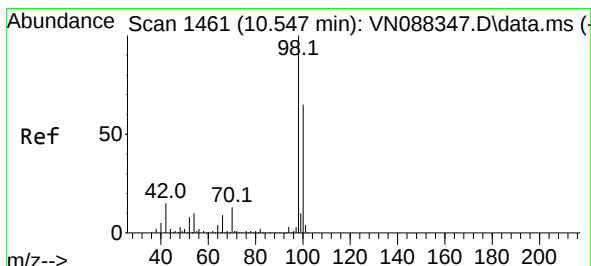
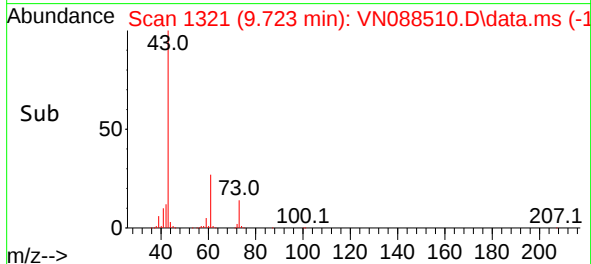
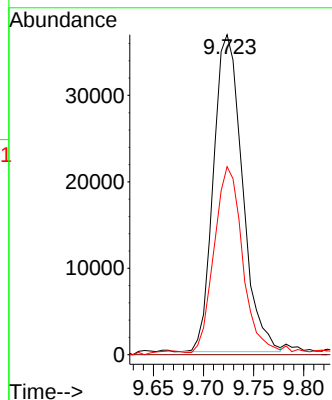
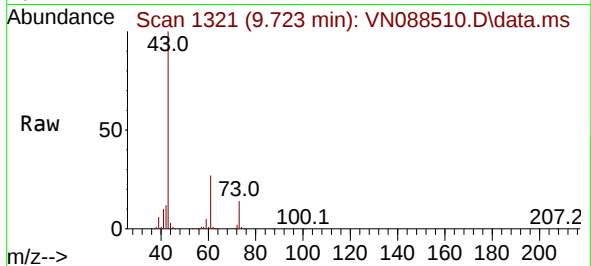




#48
Methyl methacrylate
Concen: 15.938 ug/l
RT: 9.723 min Scan# 1310
Delta R.T. 0.065 min
Lab File: VN088510.D
Acq: 10 Dec 2025 18:36

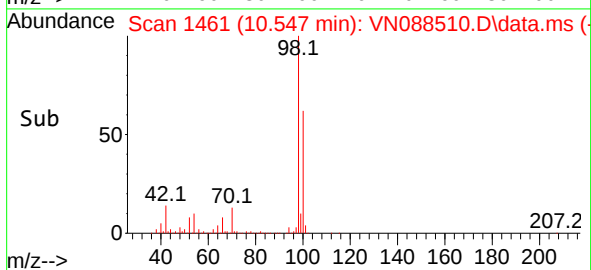
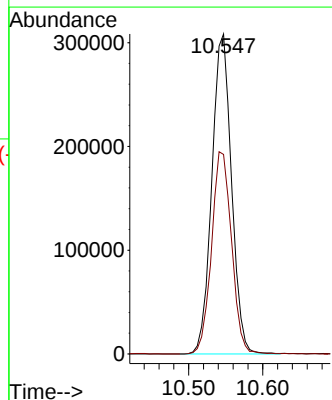
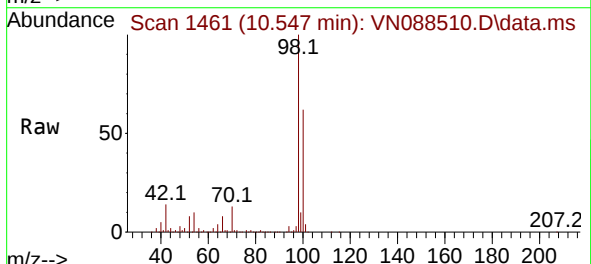
Instrument :
MSVOA_N
ClientSampleId :

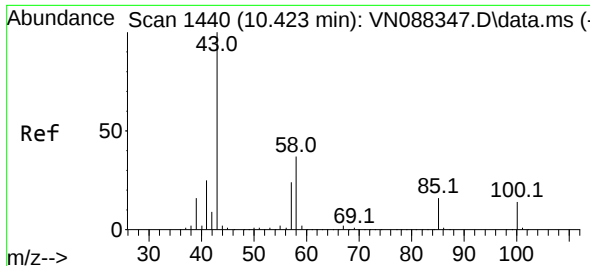
Tgt Ion: 41 Resp: 73541
Ion Ratio Lower Upper
41 100
69 0.0 62.4 93.6#
39 58.5 52.6 79.0



#50
Toluene-d8
Concen: 46.773 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088510.D
Acq: 10 Dec 2025 18:36

Tgt Ion: 98 Resp: 567662
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2

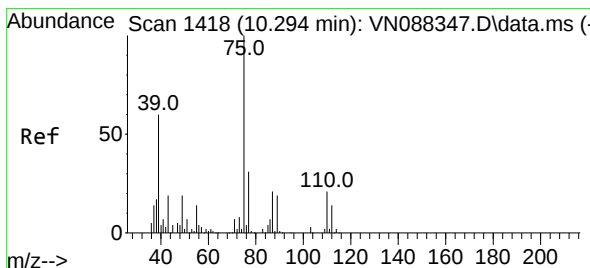
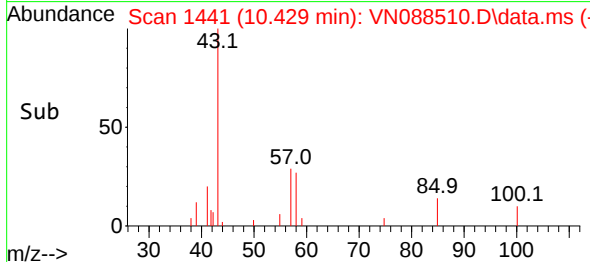
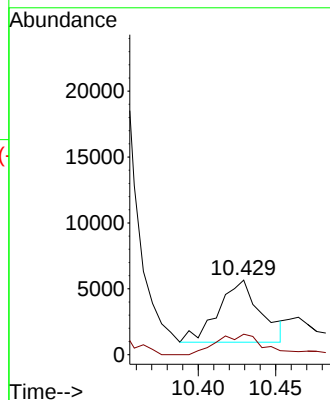
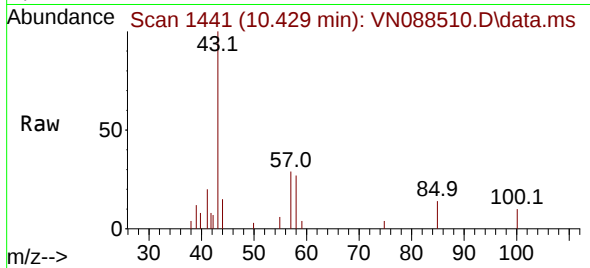




#51
4-Methyl-2-Pentanone
Concen: 1.495 ug/l
RT: 10.429 min Scan# 1440
Delta R.T. 0.006 min
Lab File: VN088510.D
Acq: 10 Dec 2025 18:36

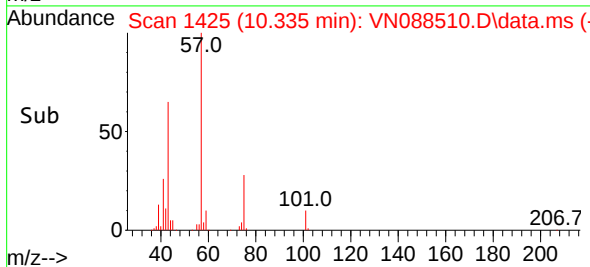
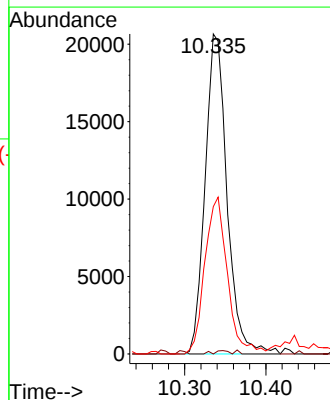
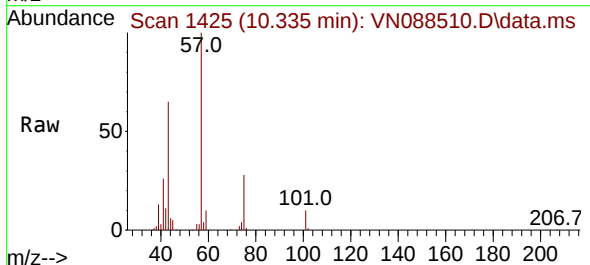
Instrument :
MSVOA_N
ClientSampleId :

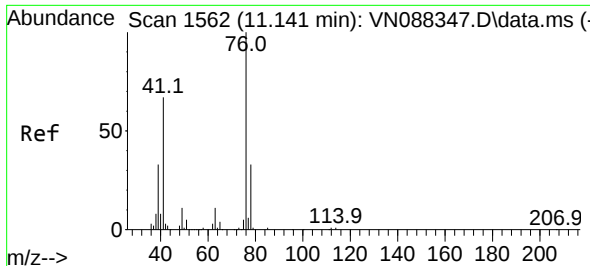
Tgt Ion: 43 Resp: 8912
Ion Ratio Lower Upper
43 100
58 39.3 29.1 43.7



#54
cis-1,3-Dichloropropene
Concen: 6.507 ug/l
RT: 10.335 min Scan# 1425
Delta R.T. 0.041 min
Lab File: VN088510.D
Acq: 10 Dec 2025 18:36

Tgt Ion: 75 Resp: 38719
Ion Ratio Lower Upper
75 100
77 0.0 24.5 36.7#
39 46.1 48.3 72.5#





#57

1,3-Dichloropropane

Concen: 0.281 ug/l

RT: 11.182 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN088510.D

Acq: 10 Dec 2025 18:36

Instrument :

MSVOA_N

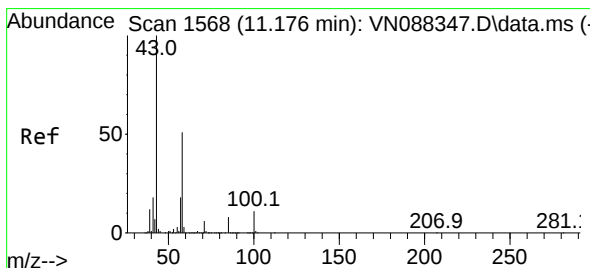
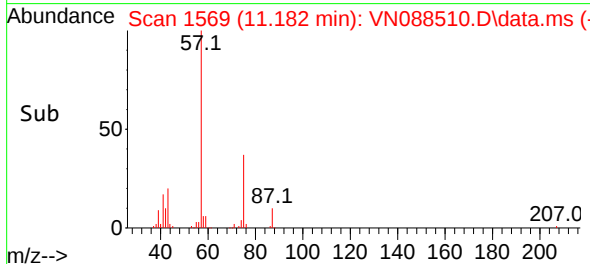
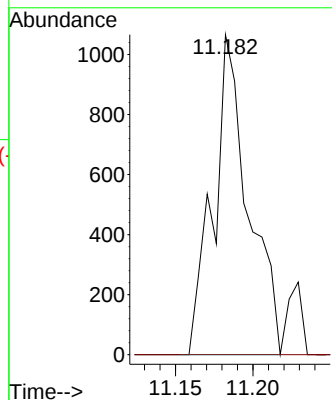
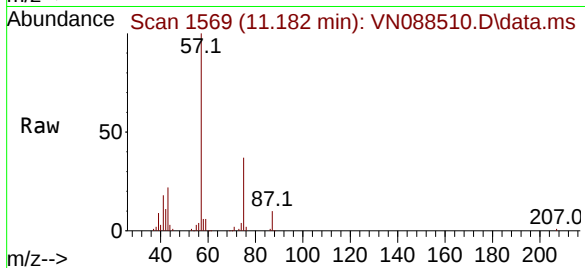
ClientSampleId :

Tgt Ion: 76 Resp: 1673

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.4#



#59

2-Hexanone

Concen: 7.513 ug/l

RT: 11.188 min Scan# 1570

Delta R.T. 0.012 min

Lab File: VN088510.D

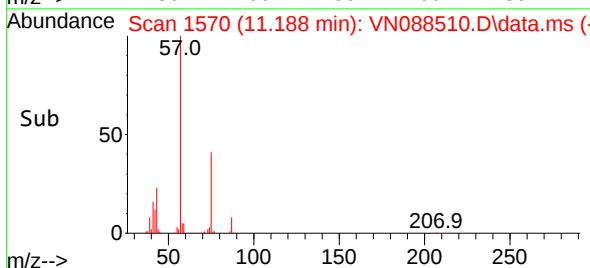
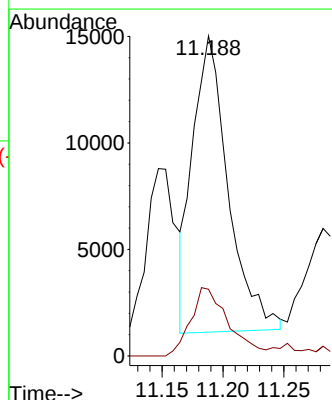
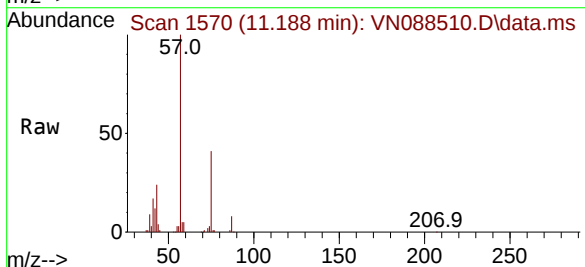
Acq: 10 Dec 2025 18:36

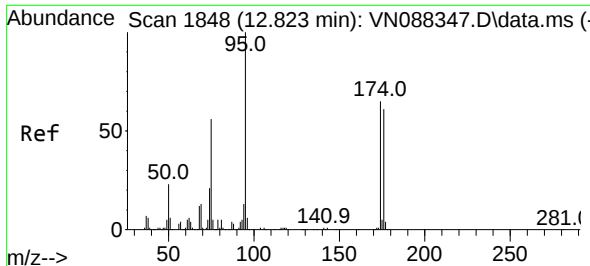
Tgt Ion: 43 Resp: 28213

Ion Ratio Lower Upper

43 100

58 24.5 25.3 75.9#

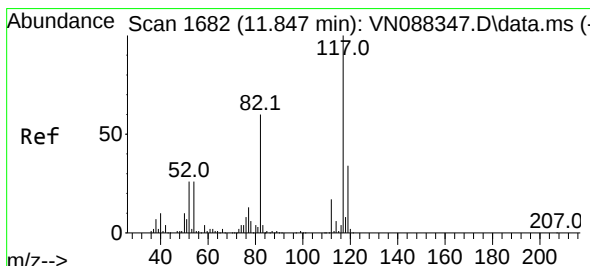
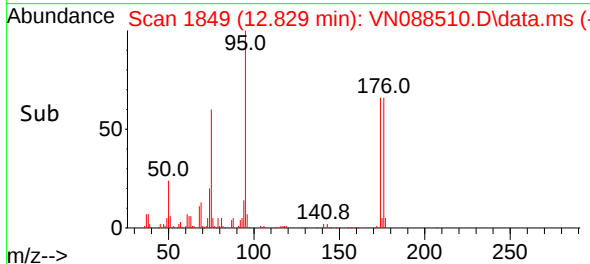
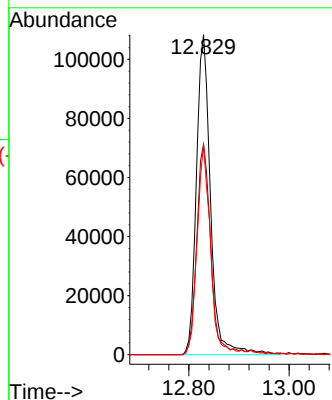
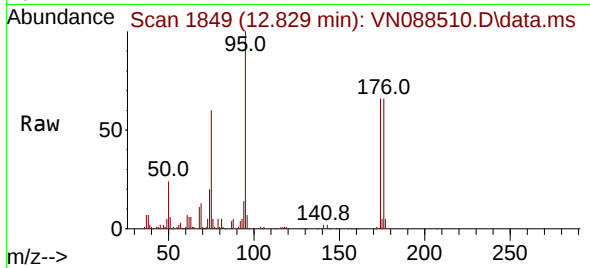




#62
4-Bromofluorobenzene
Concen: 50.886 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN088510.D
Acq: 10 Dec 2025 18:36

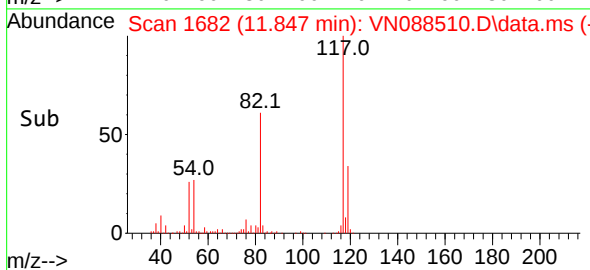
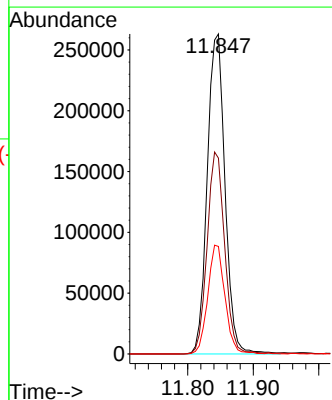
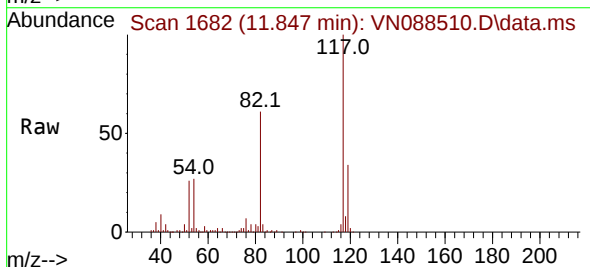
Instrument :
MSVOA_N
ClientSampleId :

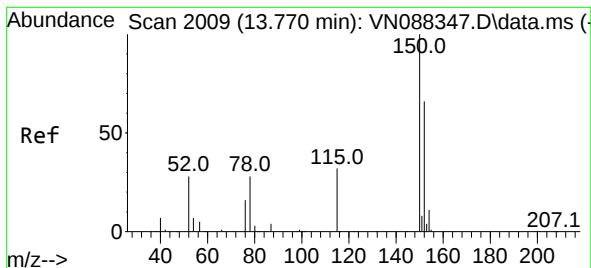
Tgt Ion: 95 Resp: 211902
Ion Ratio Lower Upper
95 100
174 65.1 0.0 139.0
176 61.3 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN088510.D
Acq: 10 Dec 2025 18:36

Tgt Ion: 117 Resp: 495342
Ion Ratio Lower Upper
117 100
82 61.2 47.8 71.8
119 33.6 26.9 40.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. -0.000 min MSVOA_N

Lab File: VN088510.D

Acq: 10 Dec 2025 18:36

Instrument :

MSVOA_N

ClientSampleId :

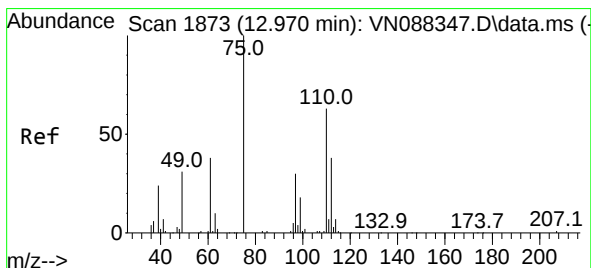
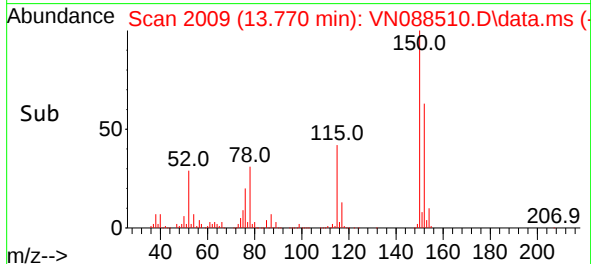
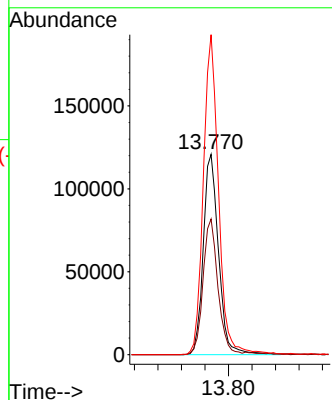
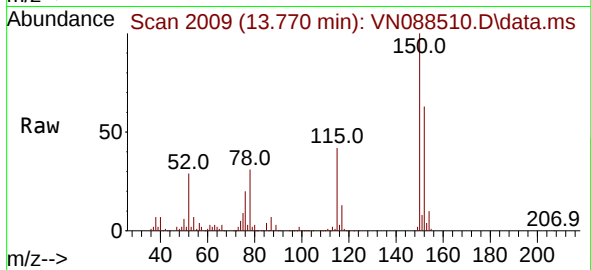
Tgt Ion:152 Resp: 217926

Ion Ratio Lower Upper

152 100

115 65.8 33.0 98.9

150 158.7 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 24.065 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN088510.D

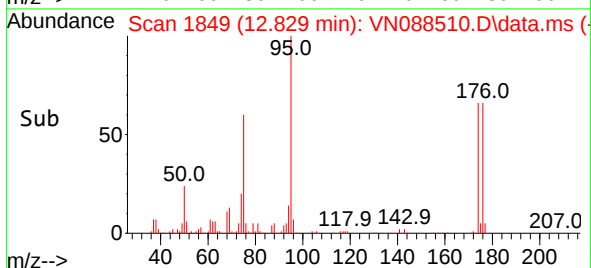
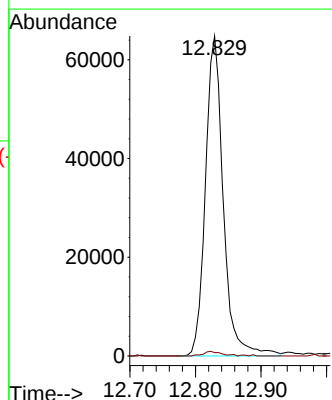
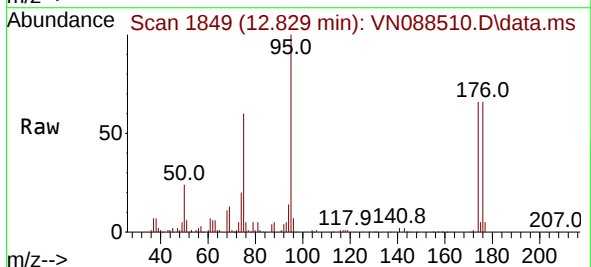
Acq: 10 Dec 2025 18:36

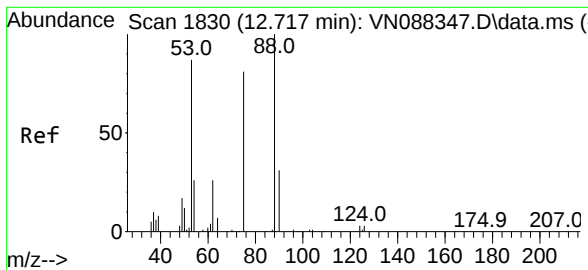
Tgt Ion: 75 Resp: 122834

Ion Ratio Lower Upper

75 100

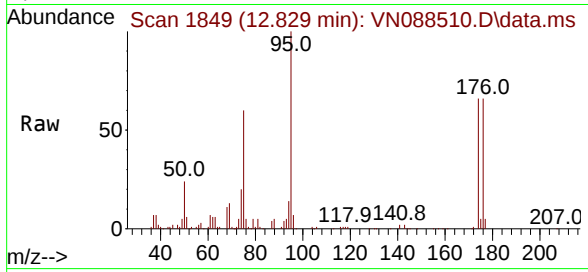
77 1.4 87.2 261.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.272 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN088510.D
 Acq: 10 Dec 2025 18:36

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 122834
 Ion Ratio Lower Upper
 75 100
 53 0.4 92.2 138.4#
 89 0.1 0.0 0.0#

