

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111125\
 Data File : VN088257.D
 Acq On : 11 Nov 2025 15:06
 Operator : JC\MD
 Sample : Q3601-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2

Quant Time: Nov 12 01:16:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

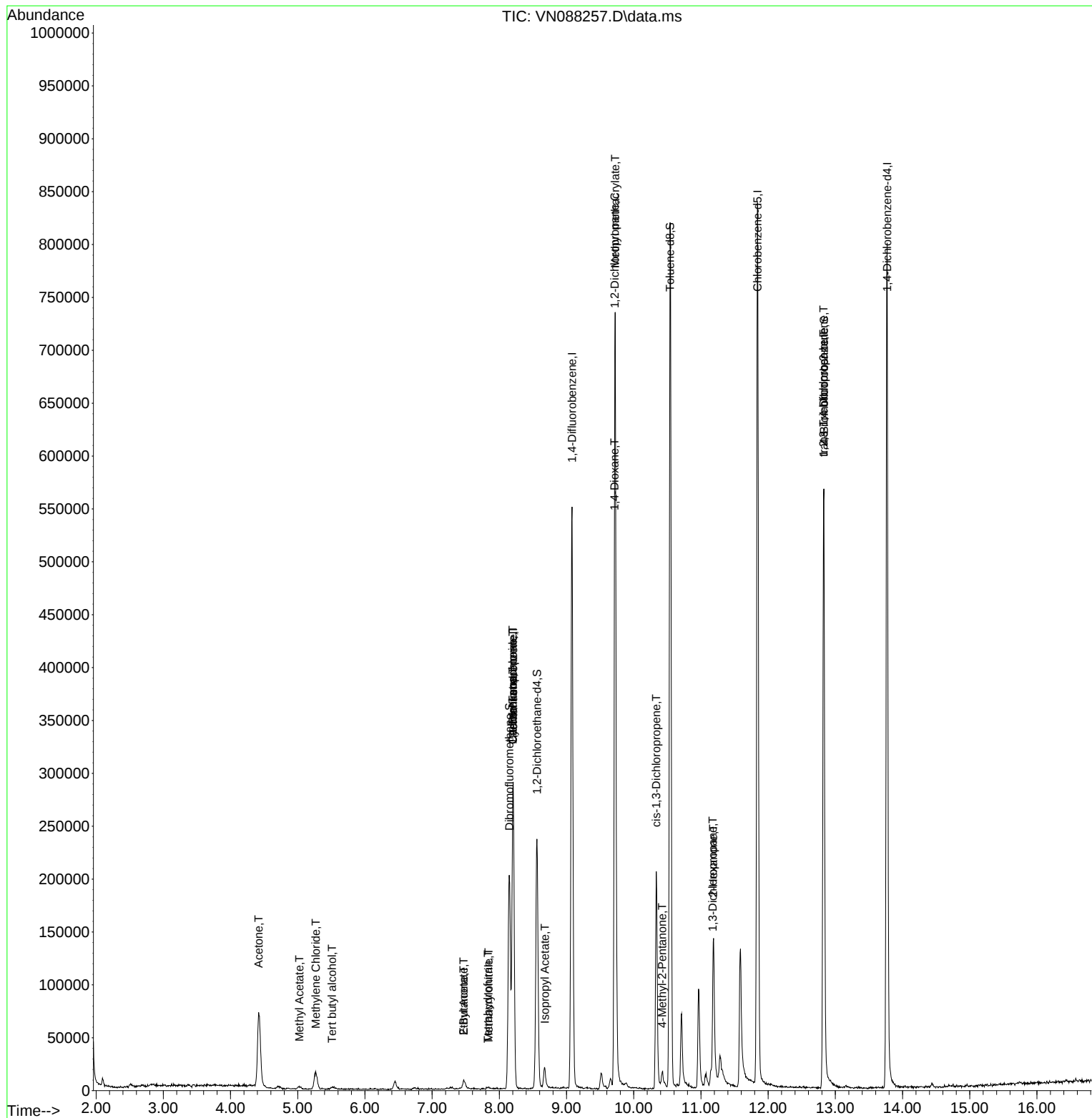
Internal Standards						
1) Pentafluorobenzene	8.206	168	195985	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	444623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	440729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	211747	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	200027	59.023	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	118.040%
35) Dibromofluoromethane	8.147	113	147248	49.296	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.600%
50) Toluene-d8	10.541	98	539638	46.887	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.780%
62) 4-Bromofluorobenzene	12.829	95	206142	50.715	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.440%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.512	59	3328	5.700	ug/l #	90
16) Acetone	4.418	43	146267	85.909	ug/l	100
18) Methyl Acetate	5.024	43	5531	1.587	ug/l #	87
20) Methylene Chloride	5.271	84	12334	4.316	ug/l	94
25) 2-Butanone	7.471	43	16384	7.302	ug/l	96
29) Tetrahydrofuran	7.830	42	858	0.587	ug/l #	34
31) Cyclohexane	8.200	56	6156	1.298	ug/l #	43
36) 1,1-Dichloropropene	8.200	75	20100	4.609	ug/l #	52
37) Ethyl Acetate	7.471	43	16384	2.911	ug/l #	72
38) Carbon Tetrachloride	8.200	117	22604	5.018	ug/l #	15
41) Methacrylonitrile	7.841	41	932	0.315	ug/l #	38
43) Isopropyl Acetate	8.677	43	24886	2.878	ug/l #	89
45) 1,2-Dichloropropane	9.718	63	1105	0.330	ug/l #	43
48) Methyl methacrylate	9.724	41	76070	19.052	ug/l #	47
49) 1,4-Dioxane	9.712	88	72	1.450	ug/l #	1
51) 4-Methyl-2-Pentanone	10.424	43	14591	2.852	ug/l	91
54) cis-1,3-Dichloropropene	10.335	75	35474	6.560	ug/l #	67
57) 1,3-Dichloropropane	11.177	76	1548	0.283	ug/l #	42
59) 2-Hexanone	11.182	43	27412	8.076	ug/l #	55
76) 1,2,3-Trichloropropane	12.823	75	121149	25.025	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.823	75	121149	69.807	ug/l #	1

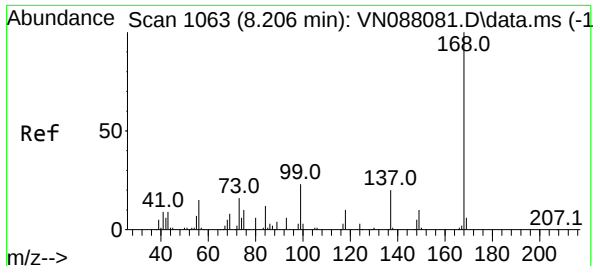
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 03 01:16:06 2025
Response via : Initial Calibration

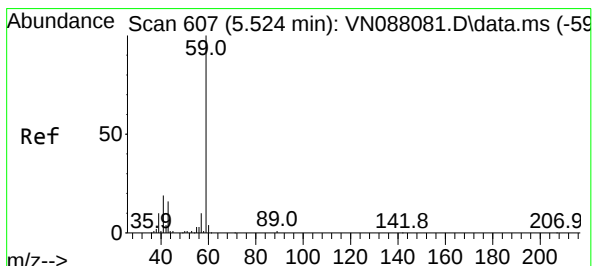
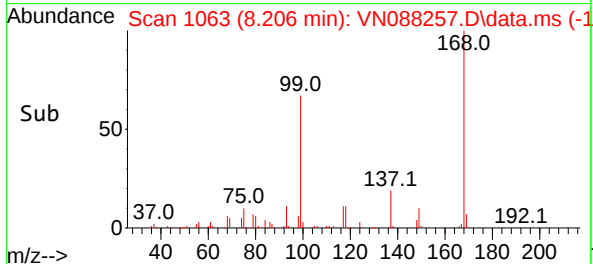
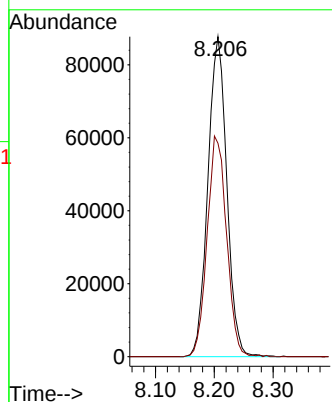
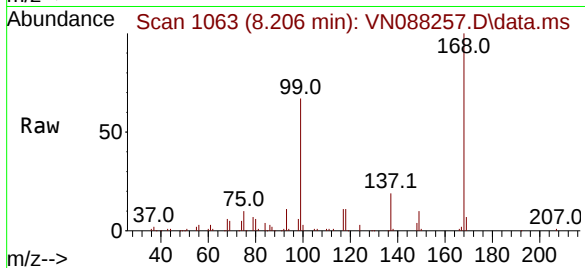




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088257.D
Acq: 11 Nov 2025 15:06

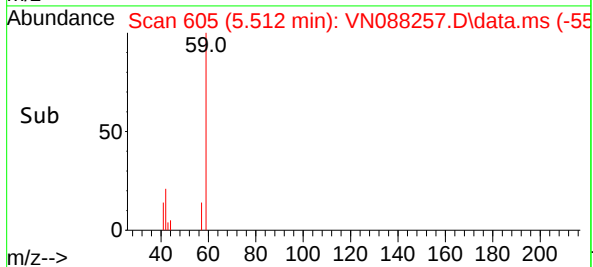
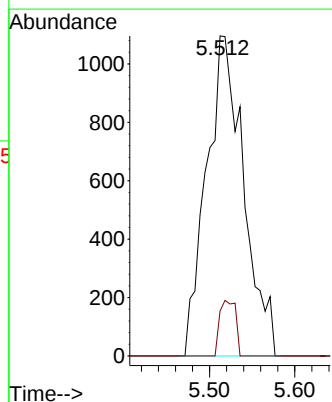
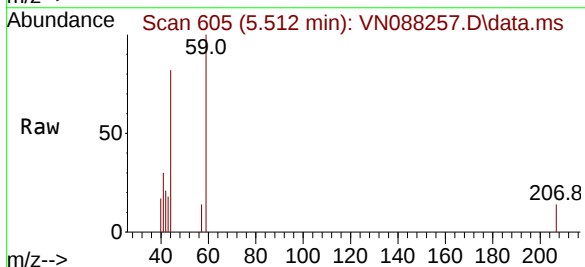
Instrument :
MSVOA_N
ClientSampleId :
TP-2

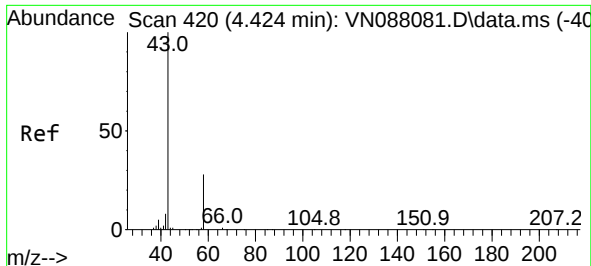
Tgt Ion:168 Resp: 195985
Ion Ratio Lower Upper
168 100
99 66.7 57.2 85.8



#11
Tert butyl alcohol
Concen: 5.700 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN088257.D
Acq: 11 Nov 2025 15:06

Tgt Ion: 59 Resp: 3328
Ion Ratio Lower Upper
59 100
57 7.5 9.0 13.4#

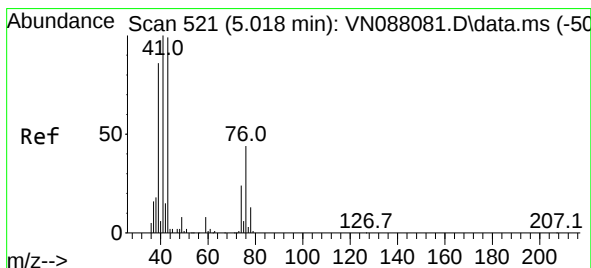
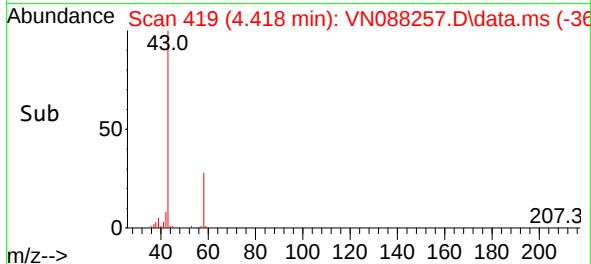
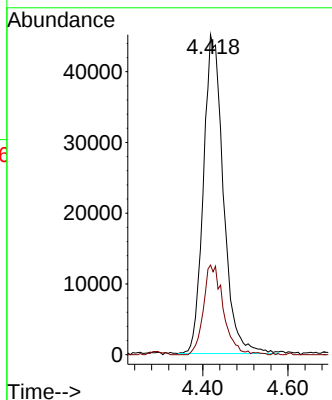
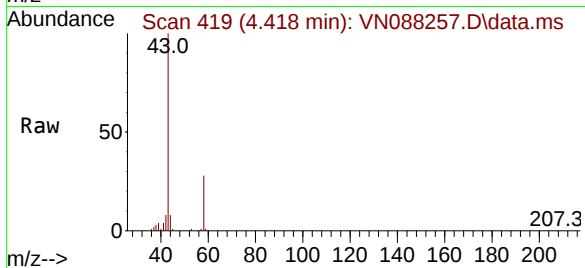




#16
Acetone
Concen: 85.909 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN088257.D
Acq: 11 Nov 2025 15:06

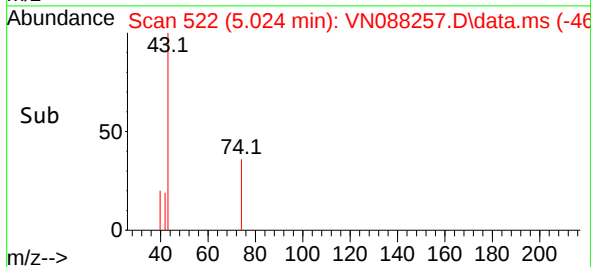
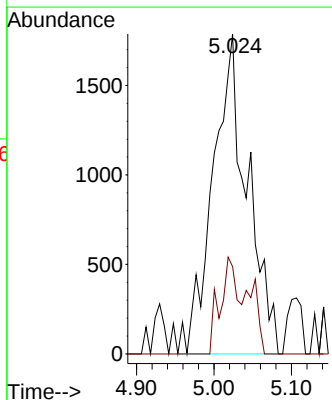
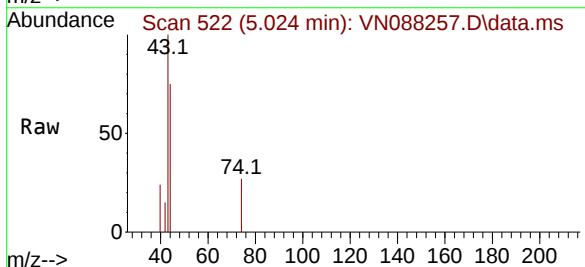
Instrument :
MSVOA_N
ClientSampleId :
TP-2

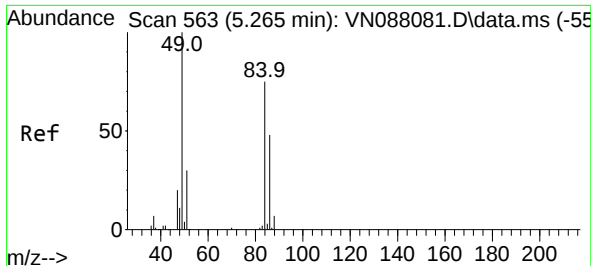
Tgt Ion: 43 Resp: 146267
Ion Ratio Lower Upper
43 100
58 28.1 22.6 33.8



#18
Methyl Acetate
Concen: 1.587 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.012 min
Lab File: VN088257.D
Acq: 11 Nov 2025 15:06

Tgt Ion: 43 Resp: 5531
Ion Ratio Lower Upper
43 100
74 15.7 17.6 26.4#

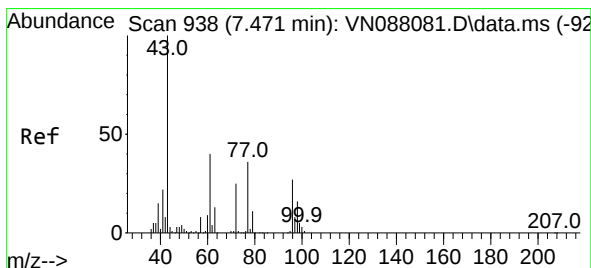
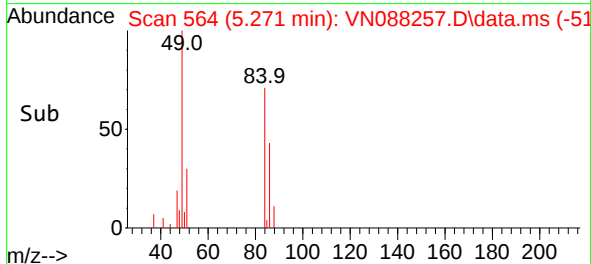
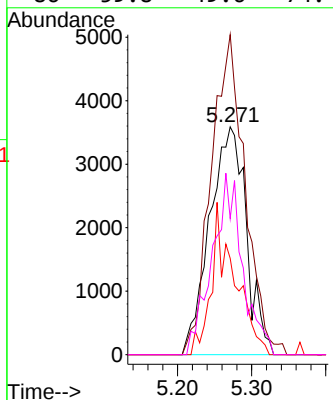
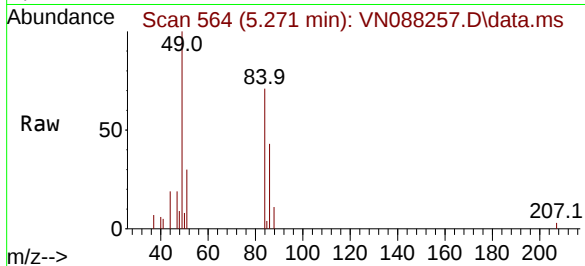




#20
Methylene Chloride
Concen: 4.316 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN088257.D
Acq: 11 Nov 2025 15:06

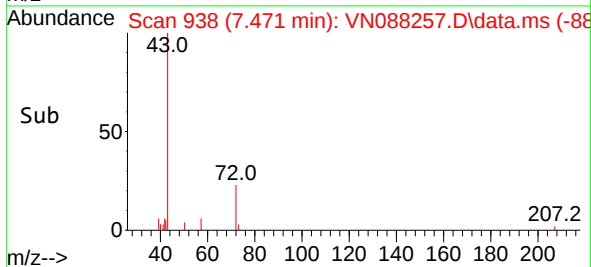
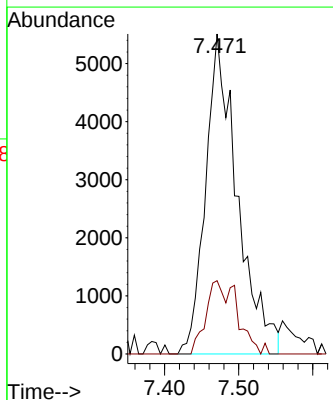
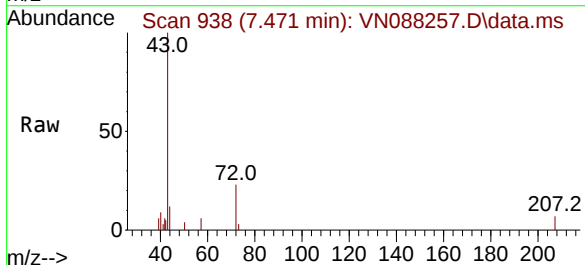
Instrument :
MSVOA_N
ClientSampleId :
TP-2

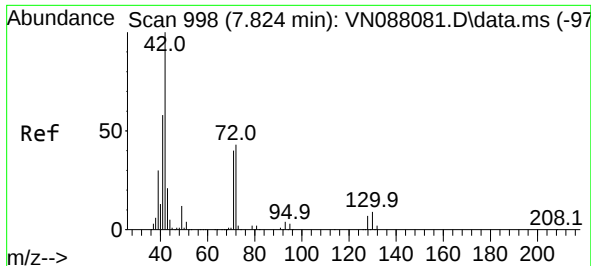
Tgt Ion:	84	Resp:	12334
Ion	Ratio	Lower	Upper
84	100		
49	140.5	103.4	155.2
51	42.3	33.8	50.8
86	59.8	49.6	74.4



#25
2-Butanone
Concen: 7.302 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN088257.D
Acq: 11 Nov 2025 15:06

Tgt Ion:	43	Resp:	16384
Ion	Ratio	Lower	Upper
43	100		
72	22.9	19.9	29.9





#29

Tetrahydrofuran

Concen: 0.587 ug/l

RT: 7.830 min Scan# 998

Delta R.T. 0.006 min

Lab File: VN088257.D

Acq: 11 Nov 2025 15:06

Instrument :

MSVOA_N

ClientSampleId :

TP-2

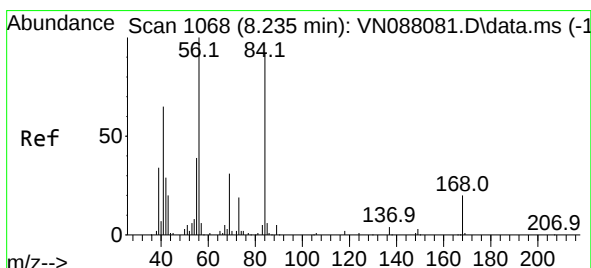
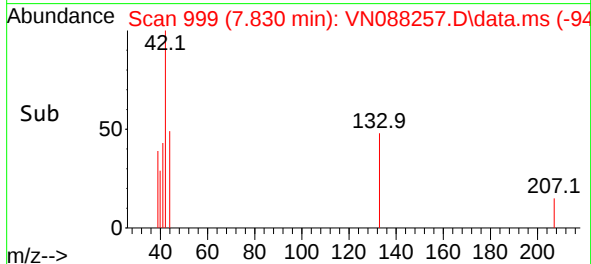
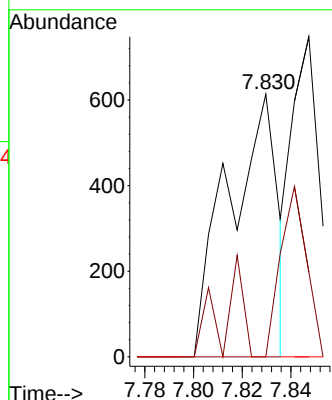
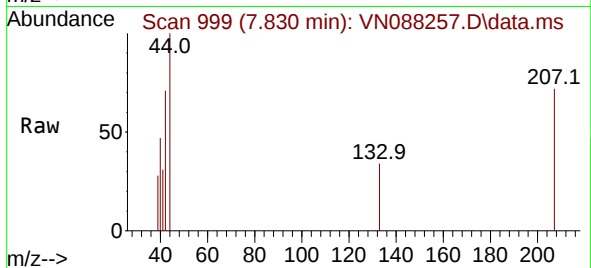
Tgt Ion: 42 Resp: 858

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 31.9 47.9#



#31

Cyclohexane

Concen: 1.298 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.035 min

Lab File: VN088257.D

Acq: 11 Nov 2025 15:06

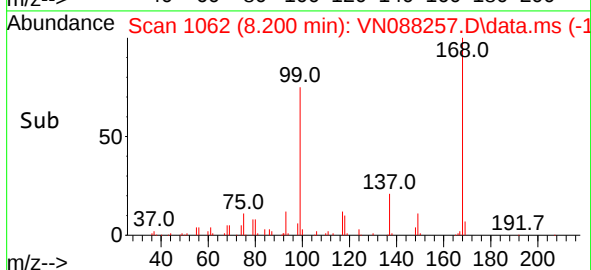
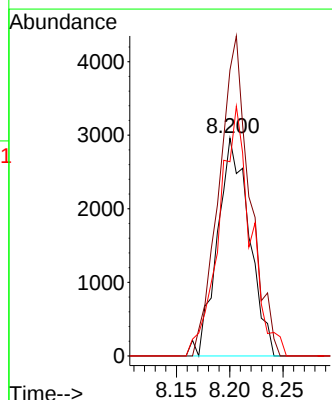
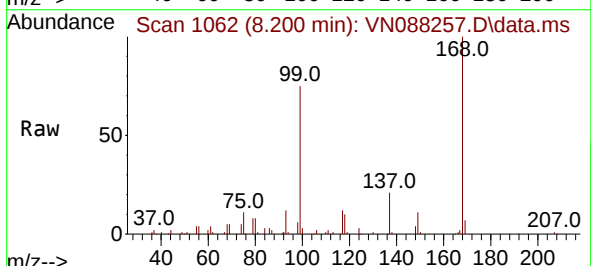
Tgt Ion: 56 Resp: 6156

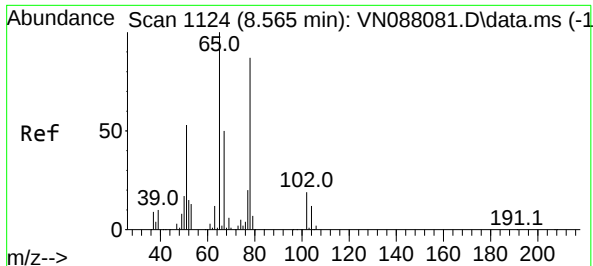
Ion Ratio Lower Upper

56 100

69 131.3 23.7 35.5#

84 89.2 64.7 97.1





#33

1,2-Dichloroethane-d4

Concen: 59.023 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088257.D

Acq: 11 Nov 2025 15:06

Instrument :

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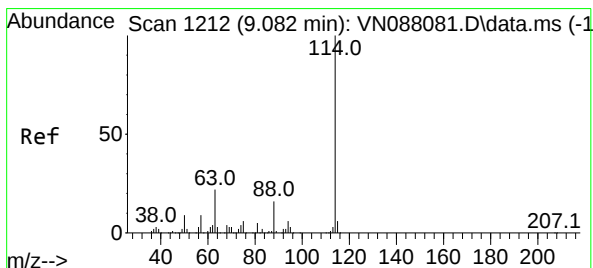
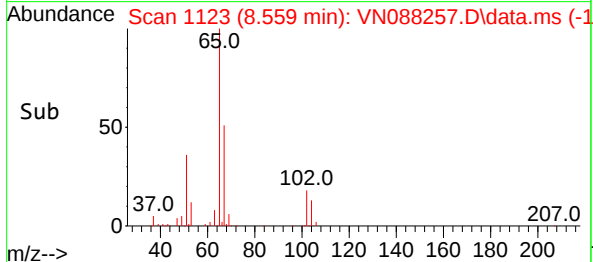
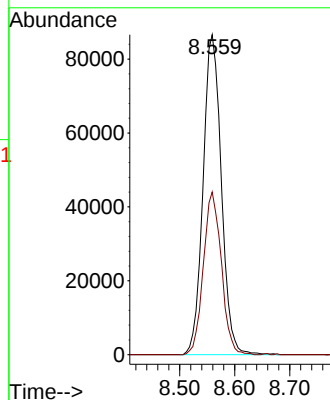
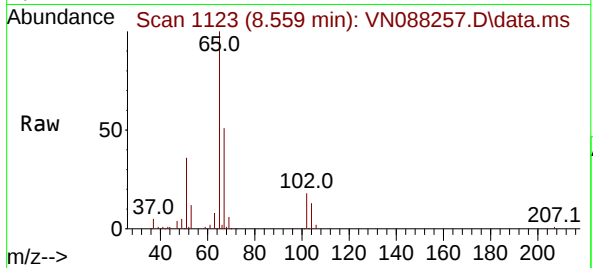
TP-2

Tgt Ion: 65 Resp: 200027

Ion Ratio Lower Upper

65 100

67 50.1 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088257.D

Acq: 11 Nov 2025 15:06

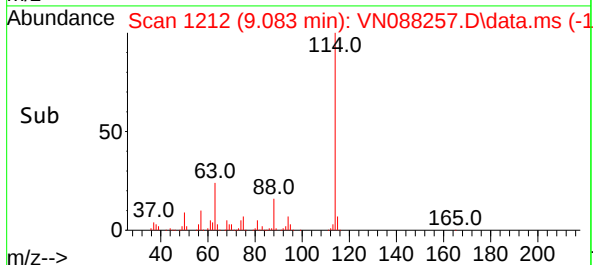
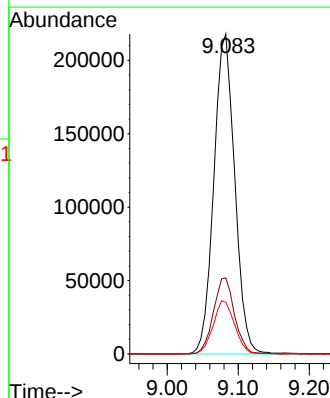
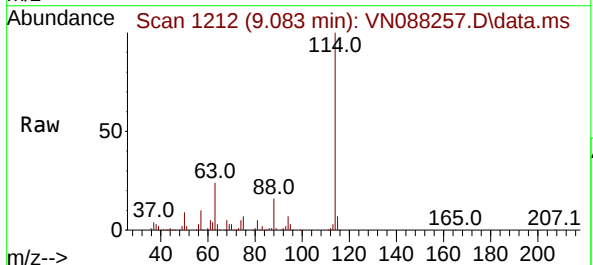
Tgt Ion:114 Resp: 444623

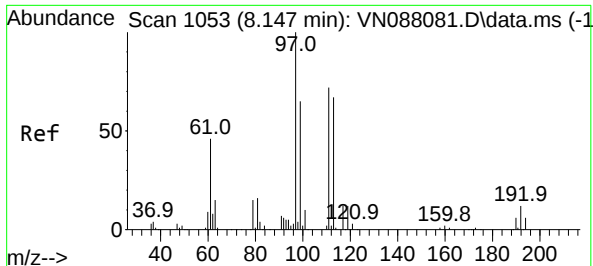
Ion Ratio Lower Upper

114 100

63 23.8 0.0 45.2

88 16.2 0.0 33.4

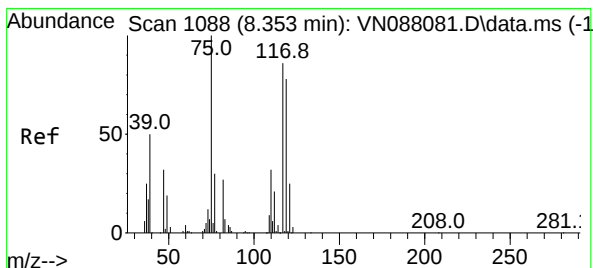
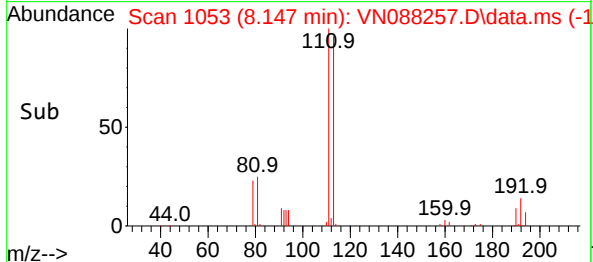
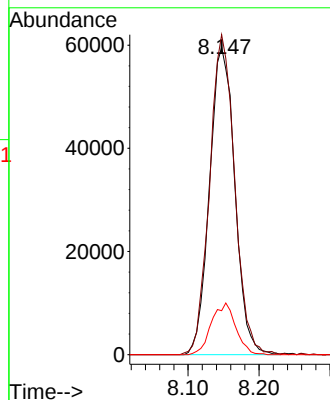
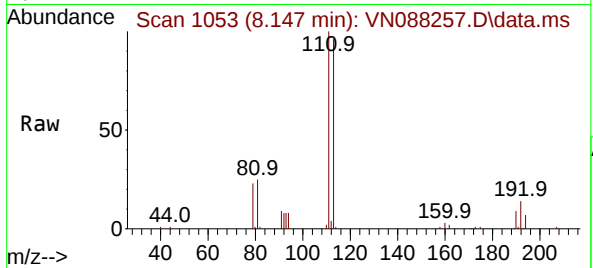




#35
Dibromofluoromethane
Concen: 49.296 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088257.D
Acq: 11 Nov 2025 15:06

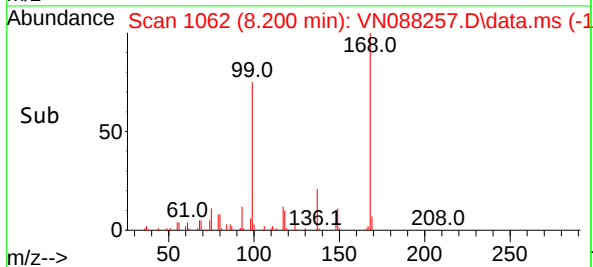
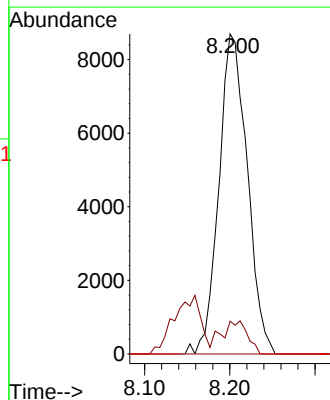
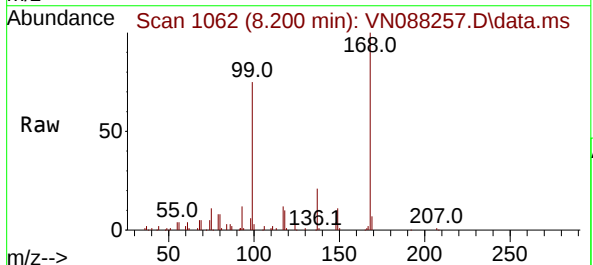
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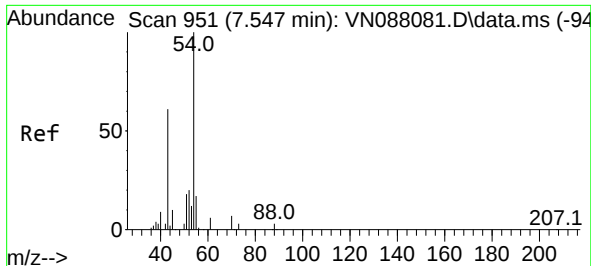
Tgt Ion:113 Resp: 147248
Ion Ratio Lower Upper
113 100
111 103.3 82.8 124.2
192 16.3 12.8 19.2



#36
1,1-Dichloropropene
Concen: 4.609 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.153 min
Lab File: VN088257.D
Acq: 11 Nov 2025 15:06

Tgt Ion: 75 Resp: 20100
Ion Ratio Lower Upper
75 100
110 9.5 15.9 47.6#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.911 ug/l

RT: 7.471 min Scan# 91

Delta R.T. -0.076 min

Lab File: VN088257.D

Acq: 11 Nov 2025 15:06

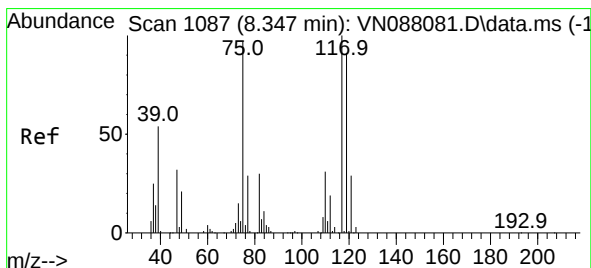
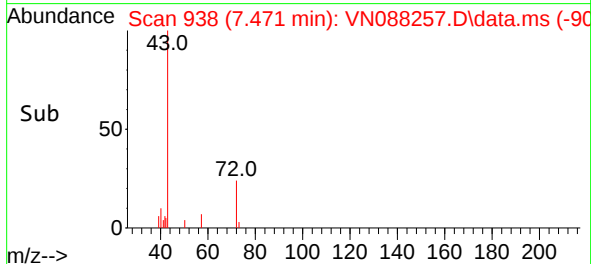
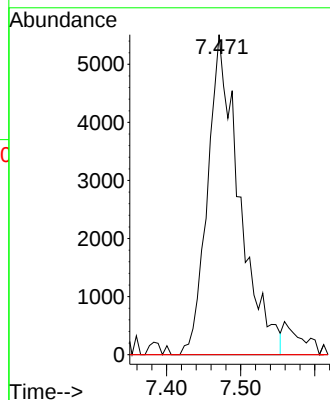
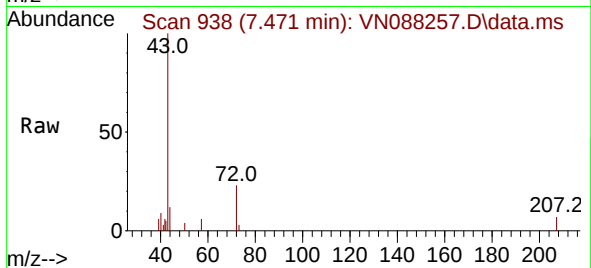
Instrument :

MSVOA_N

ClientSampleId :

TP-2

Tgt Ion:	43	Resp:	16384
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.3	13.9#
70	0.0	7.0	10.6#



#38

Carbon Tetrachloride

Concen: 5.018 ug/l

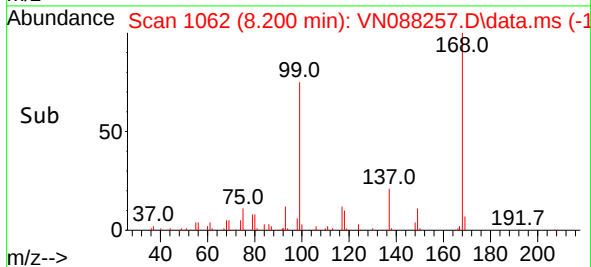
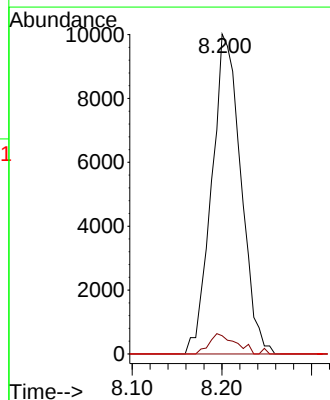
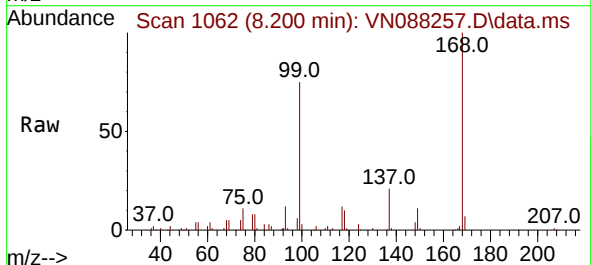
RT: 8.200 min Scan# 1062

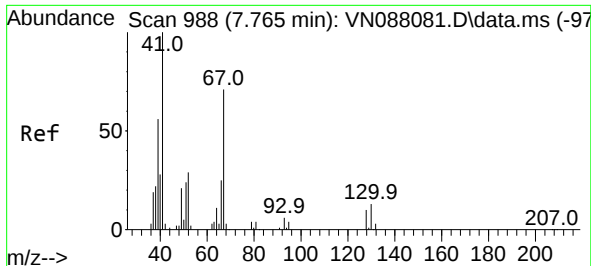
Delta R.T. -0.141 min

Lab File: VN088257.D

Acq: 11 Nov 2025 15:06

Tgt Ion:	117	Resp:	22604
Ion	Ratio	Lower	Upper
117	100		
119	5.7	79.0	118.6#
121	0.0	25.0	37.6#

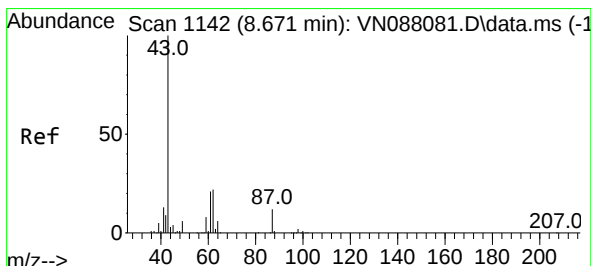
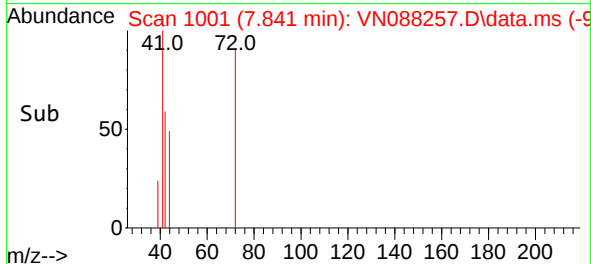
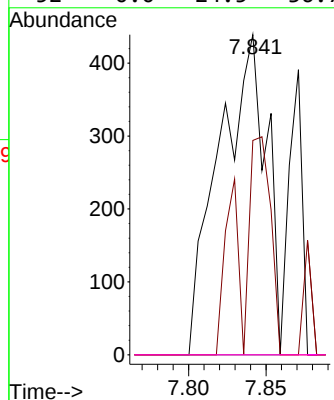
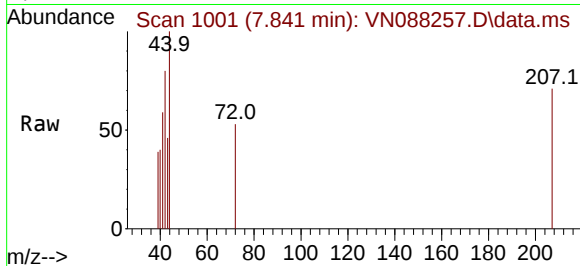




#41
Methacrylonitrile
Concen: 0.315 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.082 min
Lab File: VN088257.D
Acq: 11 Nov 2025 15:06

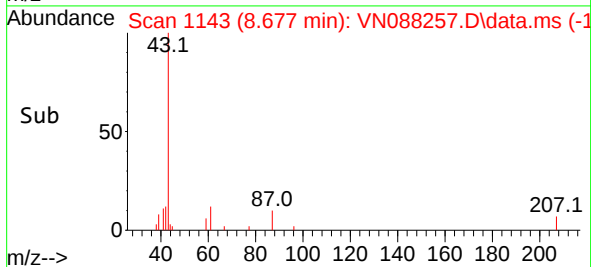
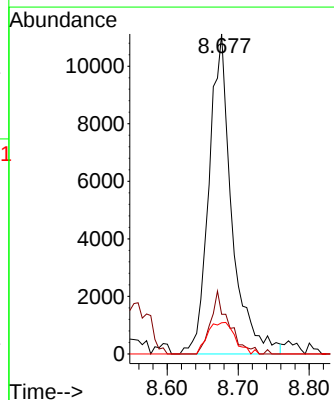
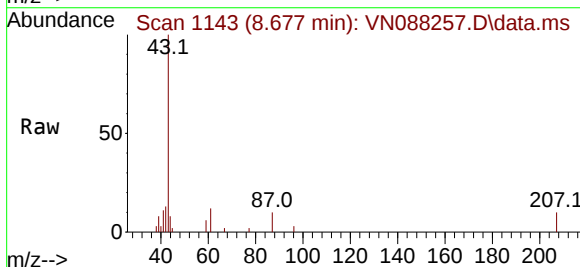
Instrument :
MSVOA_N
ClientSampleId :
TP-2

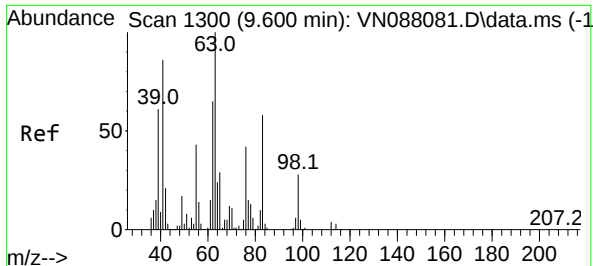
Tgt Ion: 41 Resp: 932
Ion Ratio Lower Upper
41 100
39 30.0 45.4 68.0#
67 0.0 55.3 82.9#
52 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 2.878 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN088257.D
Acq: 11 Nov 2025 15:06

Tgt Ion: 43 Resp: 24886
Ion Ratio Lower Upper
43 100
61 15.7 18.8 28.2#
87 11.8 9.6 14.4





#45

1,2-Dichloropropane

Concen: 0.330 ug/l

RT: 9.718 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN088257.D

Acq: 11 Nov 2025 15:06

Instrument :

MSVOA_N

ClientSampleId :

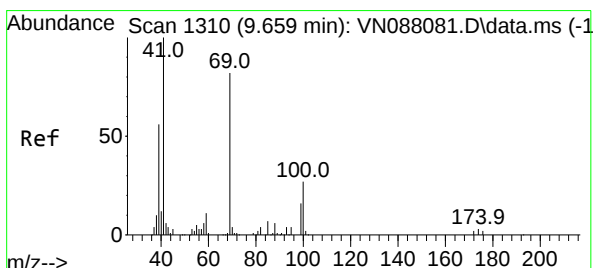
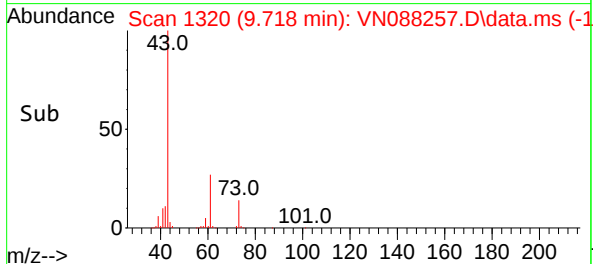
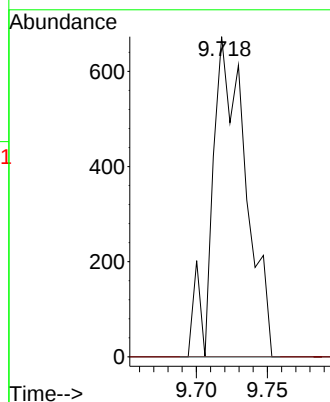
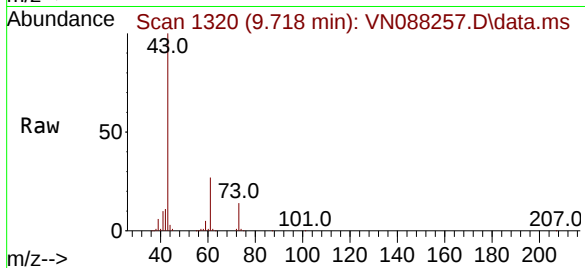
TP-2

Tgt Ion: 63 Resp: 1105

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.4#



#48

Methyl methacrylate

Concen: 19.052 ug/l

RT: 9.724 min Scan# 1321

Delta R.T. 0.059 min

Lab File: VN088257.D

Acq: 11 Nov 2025 15:06

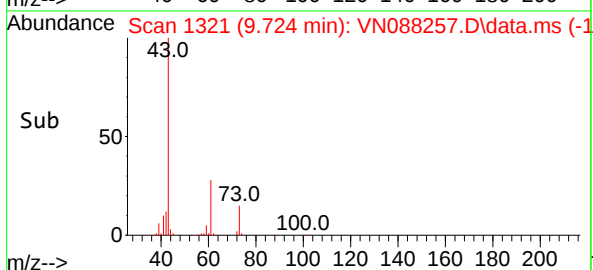
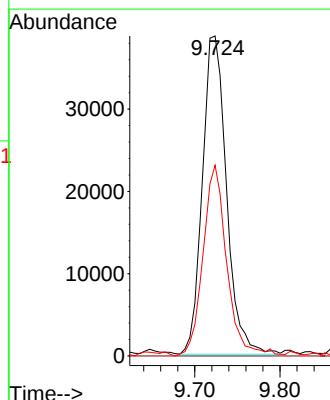
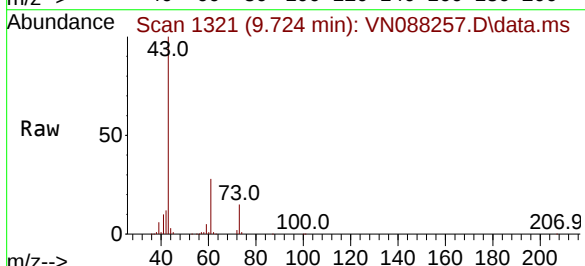
Tgt Ion: 41 Resp: 76070

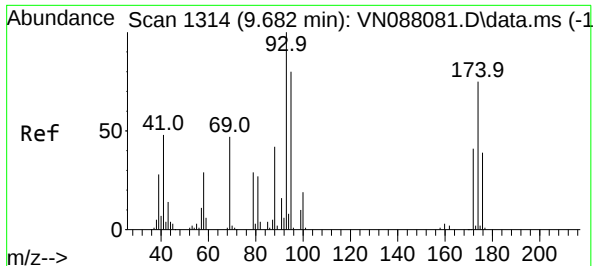
Ion Ratio Lower Upper

41 100

69 0.0 62.7 94.1#

39 58.9 52.9 79.3





#49

1,4-Dioxane

Concen: 1.450 ug/l

RT: 9.712 min Scan# 1

Delta R.T. 0.029 min

Lab File: VN088257.D

Acq: 11 Nov 2025 15:06

Instrument :

MSVOA_N

ClientSampleId :

TP-2

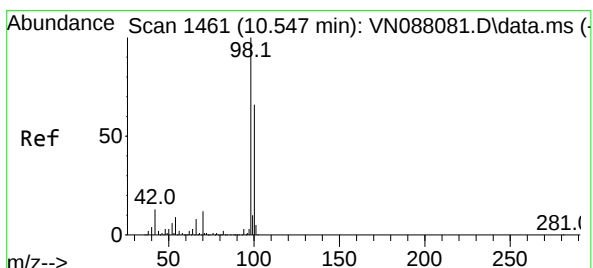
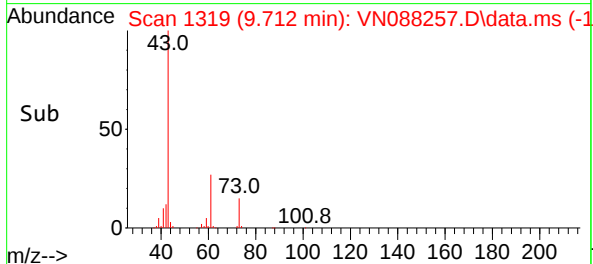
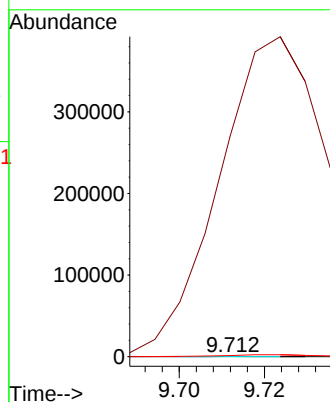
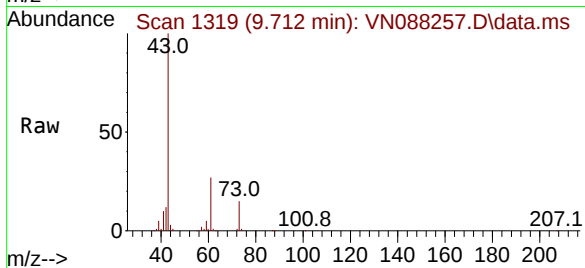
Tgt Ion: 88 Resp: 72

Ion Ratio Lower Upper

88 100

43 1061963.9 0.0 0.0#

58 5856.9 57.9 86.9#



#50

Toluene-d8

Concen: 46.887 ug/l

RT: 10.541 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VN088257.D

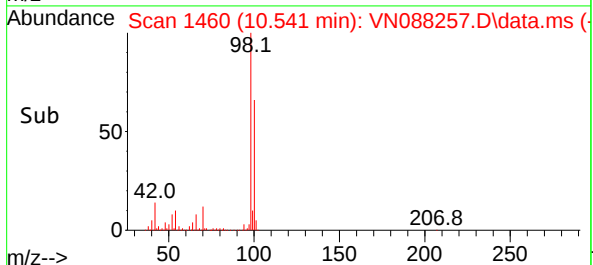
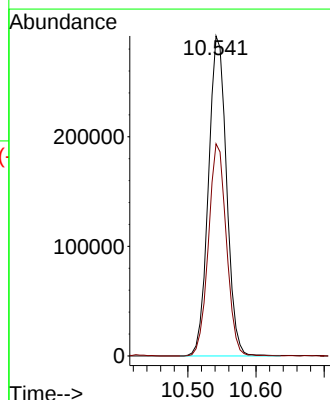
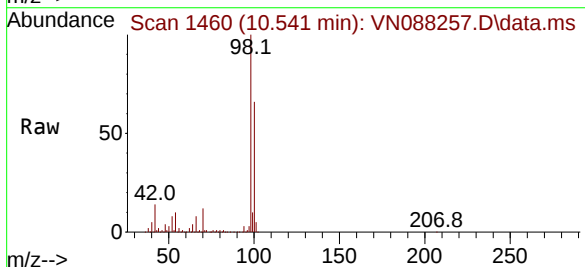
Acq: 11 Nov 2025 15:06

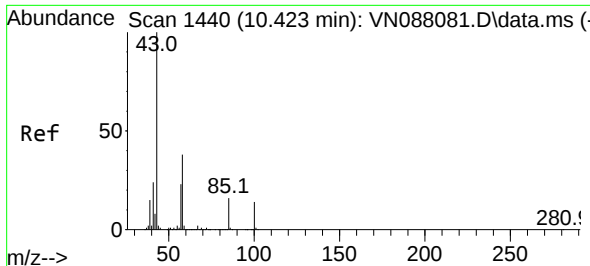
Tgt Ion: 98 Resp: 539638

Ion Ratio Lower Upper

98 100

100 65.8 52.8 79.2

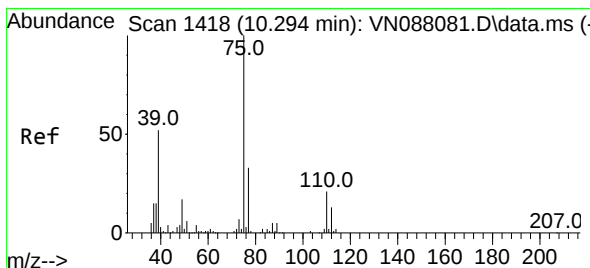
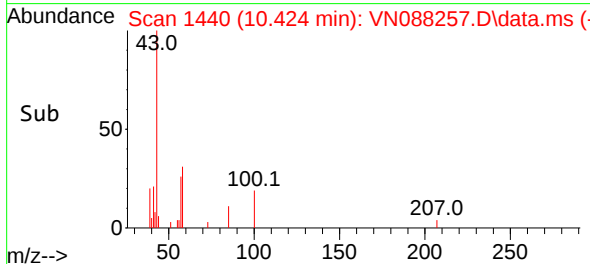
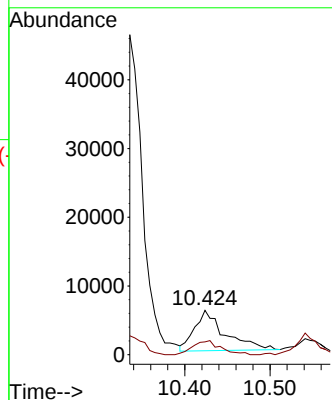
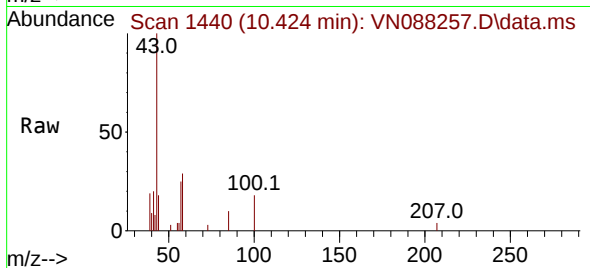




#51
4-Methyl-2-Pentanone
Concen: 2.852 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. -0.000 min
Lab File: VN088257.D
Acq: 11 Nov 2025 15:06

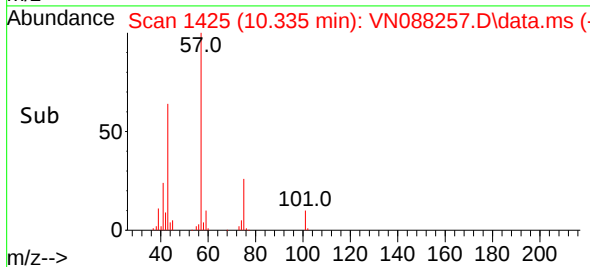
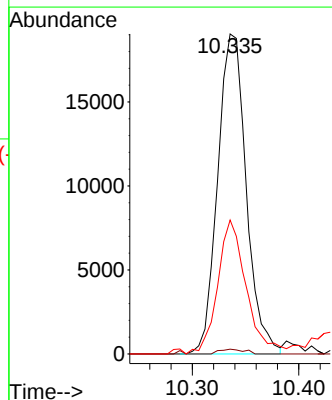
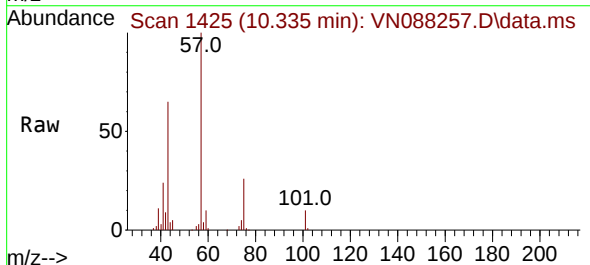
Instrument :
MSVOA_N
ClientSampleId :
TP-2

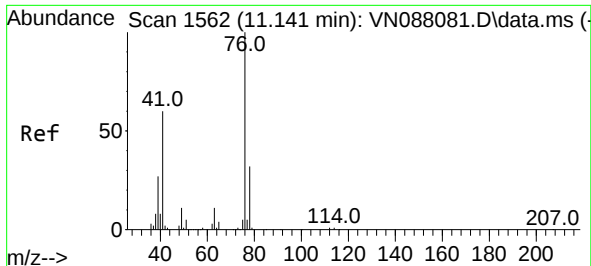
Tgt Ion: 43 Resp: 14591
Ion Ratio Lower Upper
43 100
58 31.6 29.6 44.4



#54
cis-1,3-Dichloropropene
Concen: 6.560 ug/l
RT: 10.335 min Scan# 1425
Delta R.T. 0.047 min
Lab File: VN088257.D
Acq: 11 Nov 2025 15:06

Tgt Ion: 75 Resp: 35474
Ion Ratio Lower Upper
75 100
77 1.5 24.6 37.0#
39 40.3 45.2 67.8#





#57

1,3-Dichloropropane

Concen: 0.283 ug/l

RT: 11.177 min Scan# 1568

Delta R.T. 0.035 min

Lab File: VN088257.D

Acq: 11 Nov 2025 15:06

Instrument :

MSVOA_N

ClientSampleId :

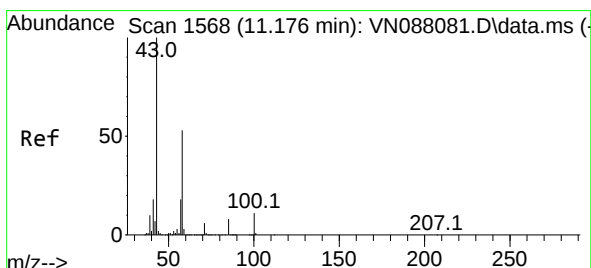
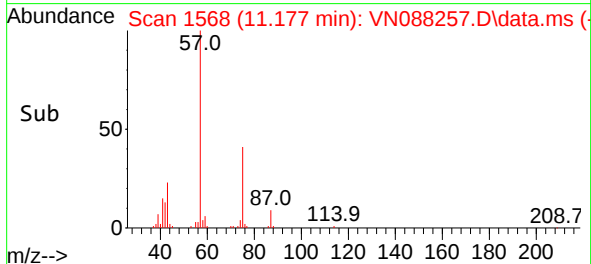
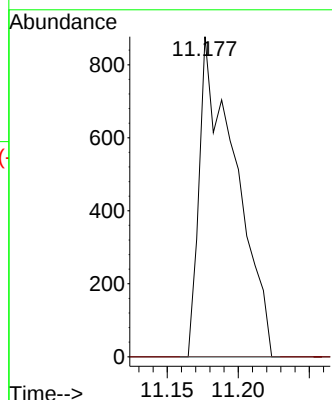
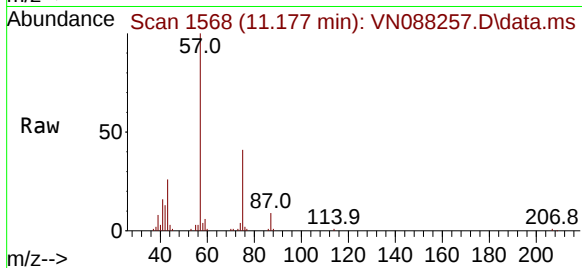
TP-2

Tgt Ion: 76 Resp: 1548

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.4#



#59

2-Hexanone

Concen: 8.076 ug/l

RT: 11.182 min Scan# 1569

Delta R.T. 0.006 min

Lab File: VN088257.D

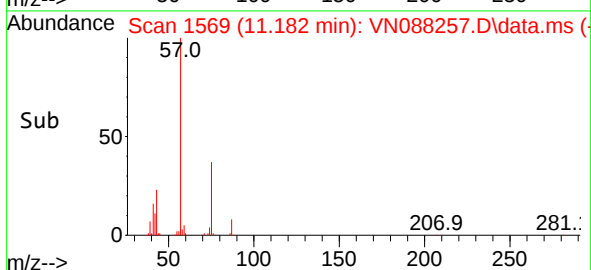
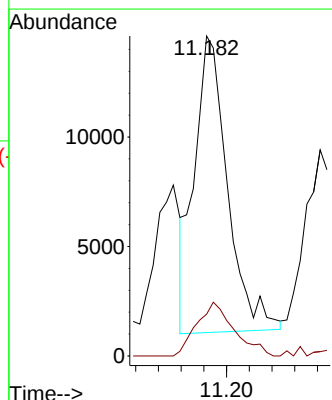
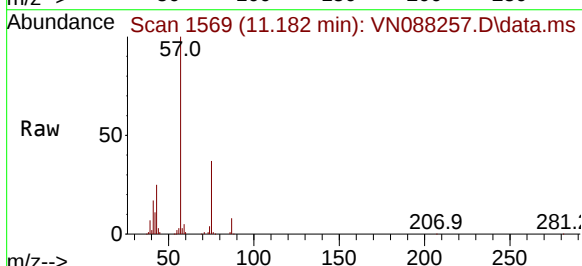
Acq: 11 Nov 2025 15:06

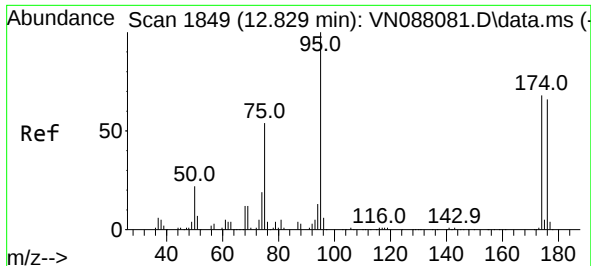
Tgt Ion: 43 Resp: 27412

Ion Ratio Lower Upper

43 100

58 20.5 25.9 77.8#

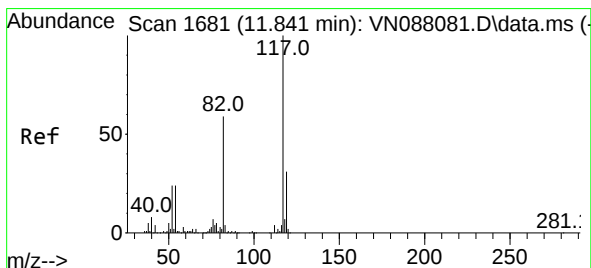
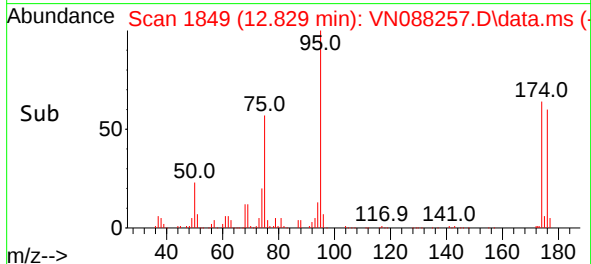
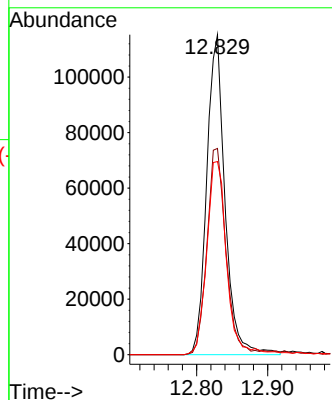
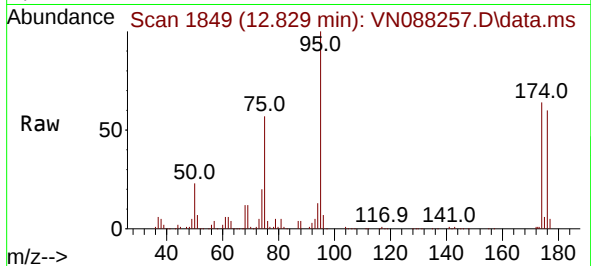




#62
4-Bromofluorobenzene
Concen: 50.715 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088257.D
Acq: 11 Nov 2025 15:06

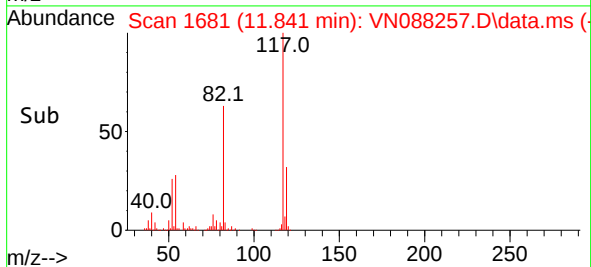
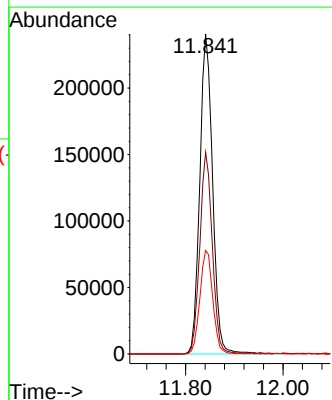
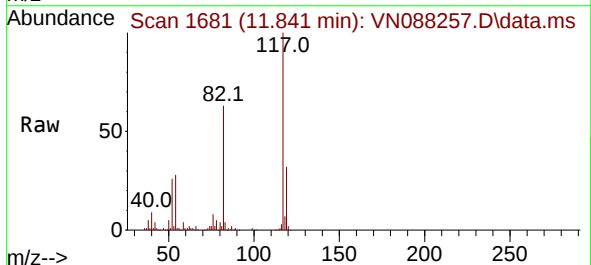
Instrument :
MSVOA_N
ClientSampleId :
TP-2

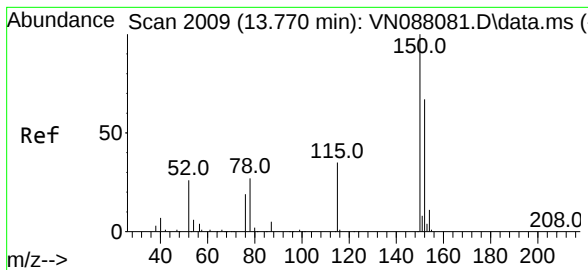
Tgt Ion: 95 Resp: 206142
Ion Ratio Lower Upper
95 100
174 68.9 0.0 138.4
176 66.0 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN088257.D
Acq: 11 Nov 2025 15:06

Tgt Ion: 117 Resp: 440729
Ion Ratio Lower Upper
117 100
82 63.1 47.4 71.2
119 32.4 24.3 36.5

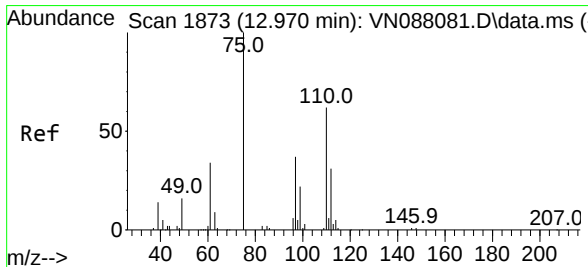
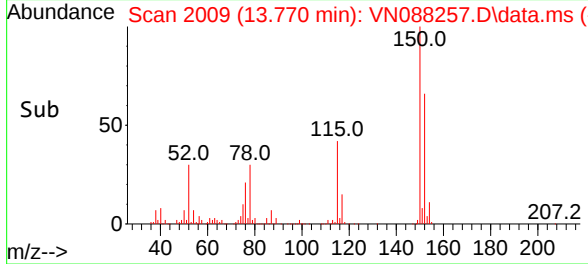
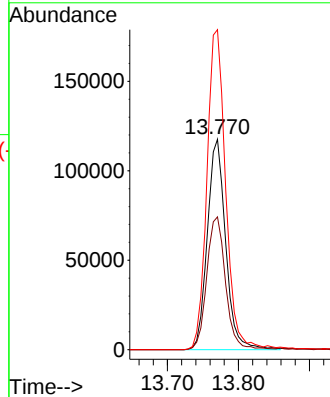
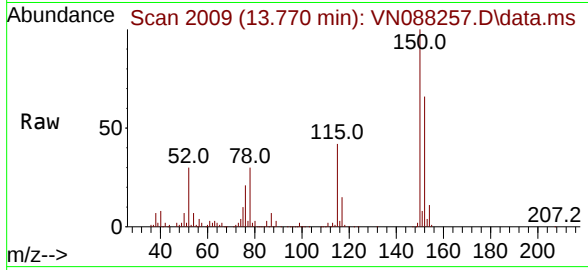




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. 0.006 min
 Lab File: VN088257.D
 Acq: 11 Nov 2025 15:06

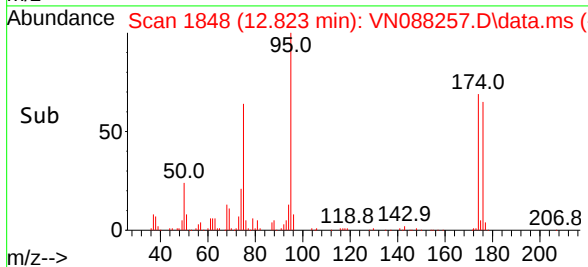
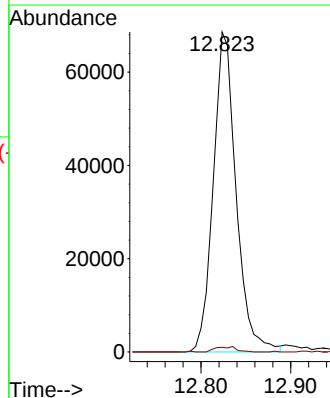
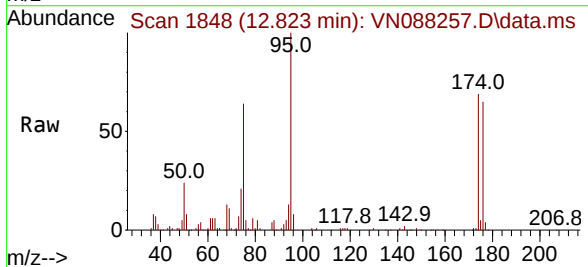
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2

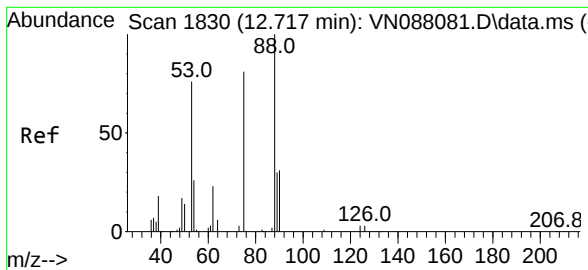
Tgt Ion:152 Resp: 211747
 Ion Ratio Lower Upper
 152 100
 115 64.5 32.3 96.8
 150 156.1 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 25.025 ug/l
 RT: 12.823 min Scan# 1848
 Delta R.T. -0.147 min
 Lab File: VN088257.D
 Acq: 11 Nov 2025 15:06

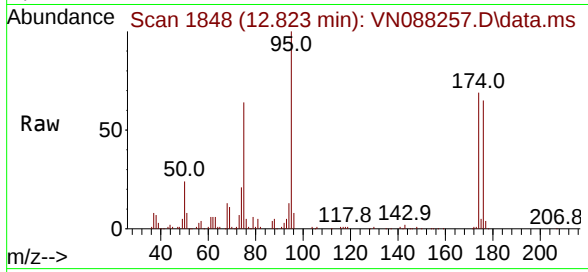
Tgt Ion: 75 Resp: 121149
 Ion Ratio Lower Upper
 75 100
 77 1.5 89.1 267.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.807 ug/l
 RT: 12.823 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN088257.D
 Acq: 11 Nov 2025 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-2



Tgt Ion: 75 Resp: 121149
 Ion Ratio Lower Upper
 75 100
 53 0.1 101.8 152.6#
 89 0.1 35.6 53.4#

