

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111125\
 Data File : VN088258.D
 Acq On : 11 Nov 2025 15:26
 Operator : JC\MD
 Sample : Q3601-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3

Quant Time: Nov 12 01:17:21 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)

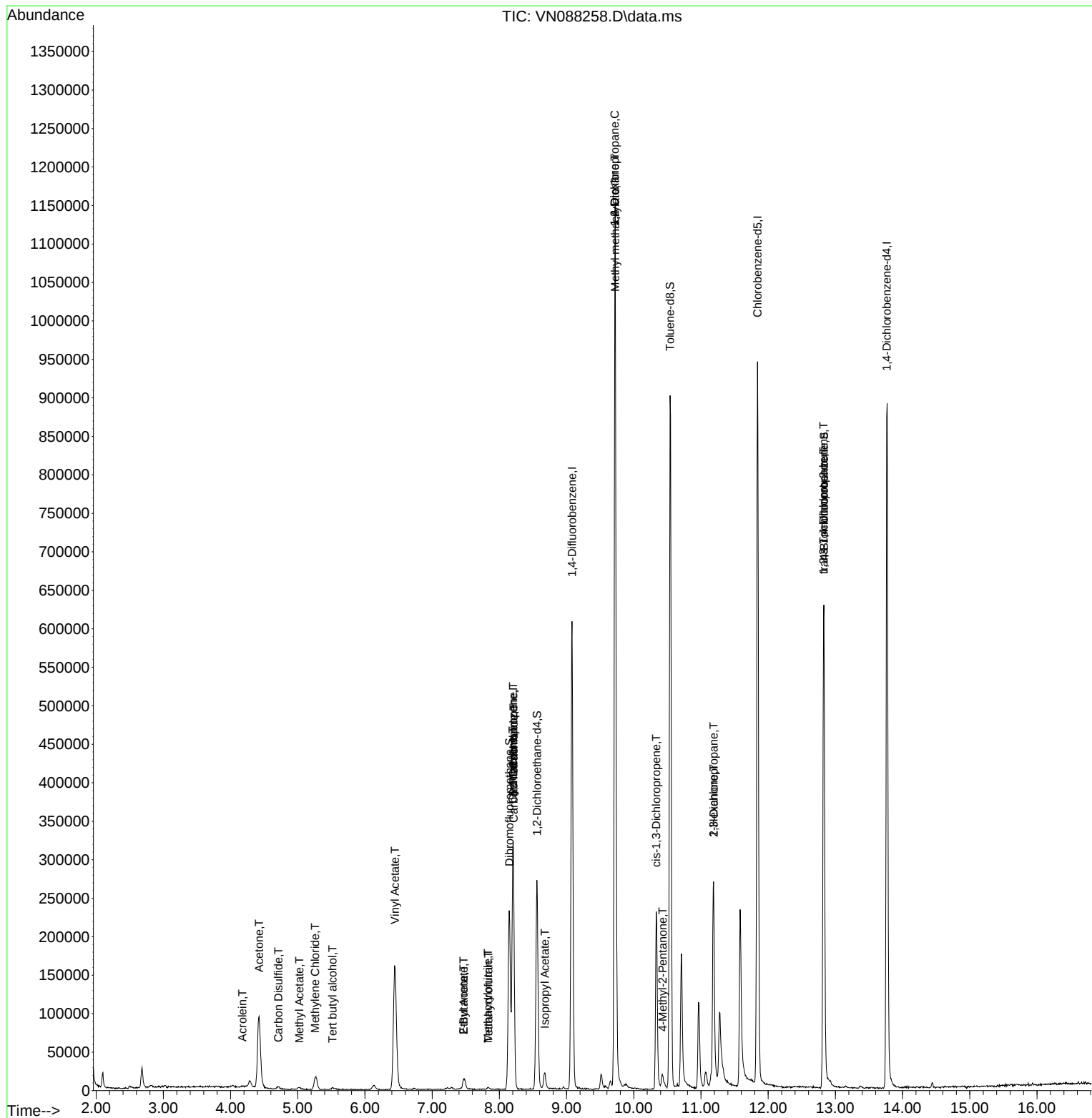
Internal Standards						
1) Pentafluorobenzene	8.206	168	215879	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	484659	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	489327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.765	152	232001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	218587	58.555	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 117.120%	
35) Dibromofluoromethane	8.147	113	163674	50.269	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.540%	
50) Toluene-d8	10.541	98	595532	47.469	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 94.940%	
62) 4-Bromofluorobenzene	12.829	95	223345	50.408	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 100.820%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	3081	4.791	ug/l #	71
13) Acrolein	4.177	56	1179	1.630	ug/l #	80
16) Acetone	4.424	43	189403	100.993	ug/l	99
17) Carbon Disulfide	4.712	76	5473	0.664	ug/l	99
18) Methyl Acetate	5.024	43	6356	1.655	ug/l	96
20) Methylene Chloride	5.259	84	13064	4.150	ug/l #	82
23) Vinyl Acetate	6.447	43	3845	0.427	ug/l #	72
25) 2-Butanone	7.471	43	26926	10.895	ug/l	95
29) Tetrahydrofuran	7.835	42	1550	0.962	ug/l	93
31) Cyclohexane	8.200	56	6973	1.334	ug/l #	30
36) 1,1-Dichloropropene	8.206	75	22121	4.653	ug/l #	50
37) Ethyl Acetate	7.471	43	26926	4.389	ug/l #	72
38) Carbon Tetrachloride	8.212	117	25988	5.293	ug/l #	14
41) Methacrylonitrile	7.830	41	1037	0.321	ug/l #	49
43) Isopropyl Acetate	8.677	43	26626	2.824	ug/l #	91
45) 1,2-Dichloropropane	9.718	63	1515	0.414	ug/l #	43
48) Methyl methacrylate	9.724	41	113112	25.988	ug/l #	47
49) 1,4-Dioxane	9.718	88	137	2.531	ug/l #	1
51) 4-Methyl-2-Pentanone	10.429	43	19036	3.413	ug/l #	82
54) cis-1,3-Dichloropropene	10.335	75	40444	6.861	ug/l #	69
57) 1,3-Dichloropropane	11.188	76	3098	0.520	ug/l #	42
59) 2-Hexanone	11.188	43	60952	16.475	ug/l #	49
76) 1,2,3-Trichloropropane	12.823	75	135274	25.503	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.823	75	135274	71.141	ug/l #	1

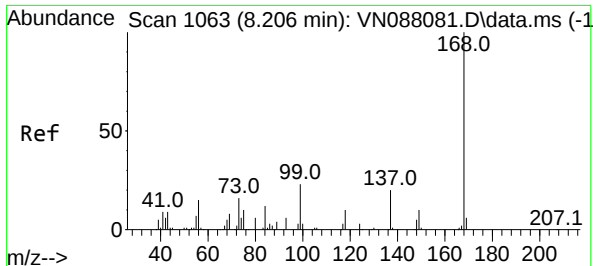
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111125\
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Instrument :
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Quant Time: Nov 12 01:17:21 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

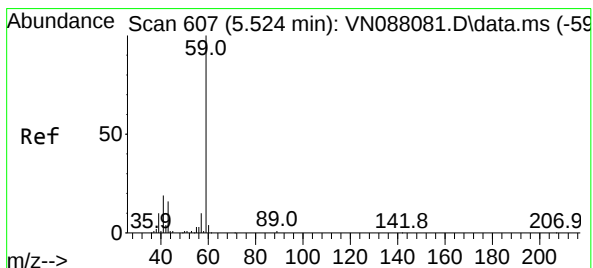
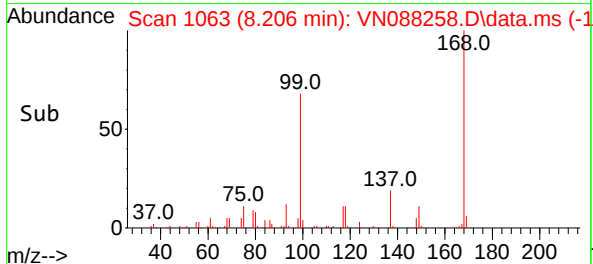
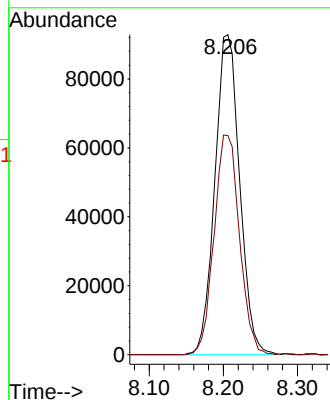
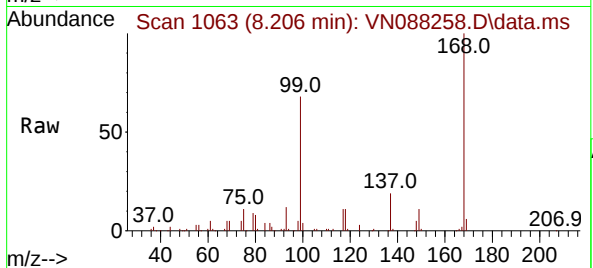




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088258.D
Acq: 11 Nov 2025 15:26

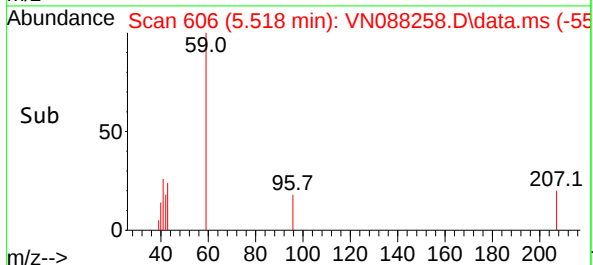
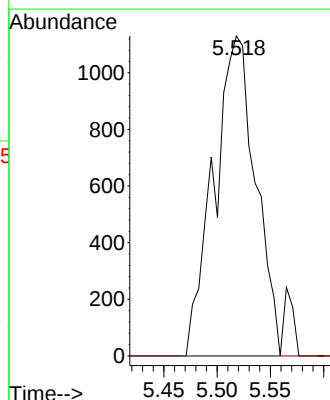
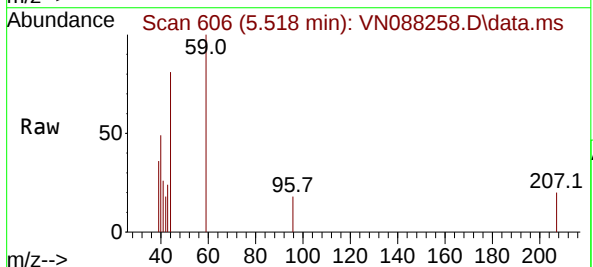
Instrument :
MSVOA_N
ClientSampleId :
TP-3

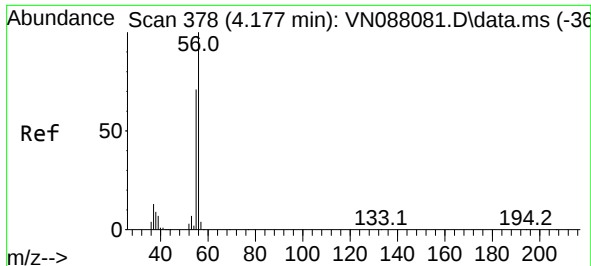
Tgt Ion:168 Resp: 215879
Ion Ratio Lower Upper
168 100
99 68.5 57.2 85.8



#11
Tert butyl alcohol
Concen: 4.791 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.000 min
Lab File: VN088258.D
Acq: 11 Nov 2025 15:26

Tgt Ion: 59 Resp: 3081
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

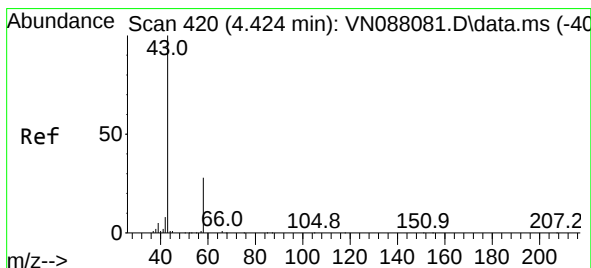
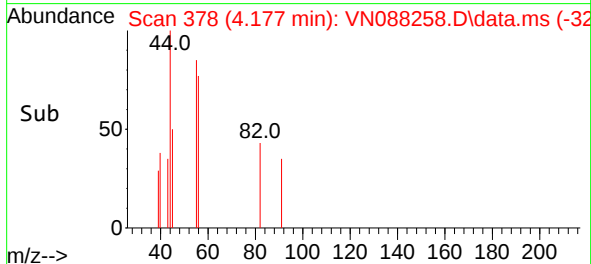
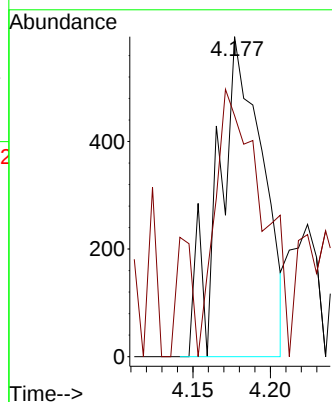
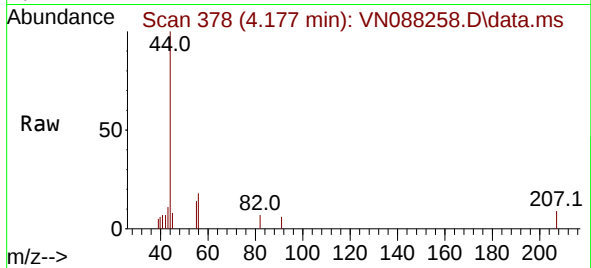




#13
Acrolein
Concen: 1.630 ug/l
RT: 4.177 min Scan# 311
Delta R.T. 0.006 min
Lab File: VN088258.D
Acq: 11 Nov 2025 15:26

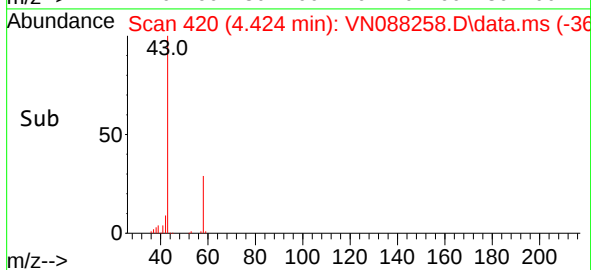
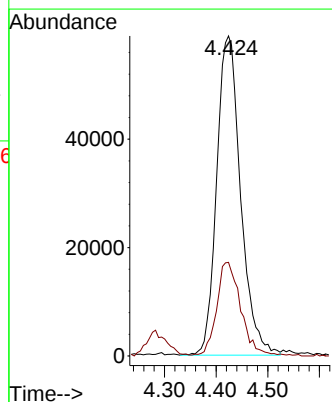
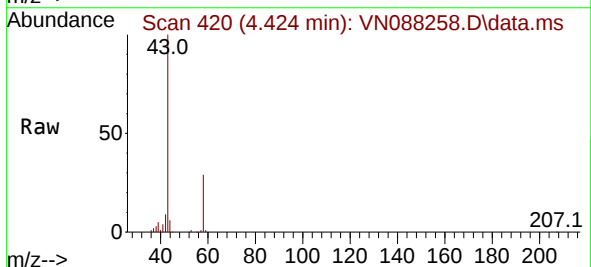
Instrument :
MSVOA_N
ClientSampleId :
TP-3

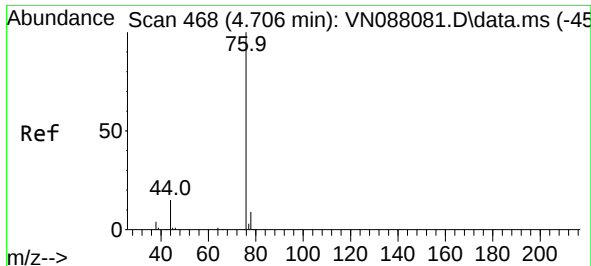
Tgt Ion: 56 Resp: 1179
Ion Ratio Lower Upper
56 100
55 87.9 57.3 85.9#



#16
Acetone
Concen: 100.993 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN088258.D
Acq: 11 Nov 2025 15:26

Tgt Ion: 43 Resp: 189403
Ion Ratio Lower Upper
43 100
58 28.7 22.6 33.8

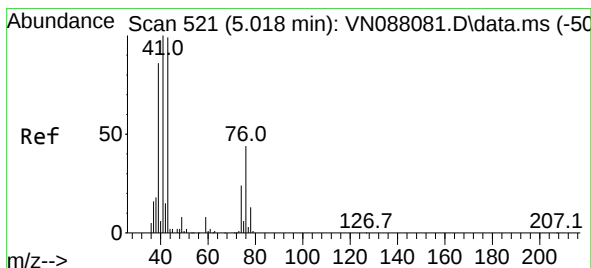
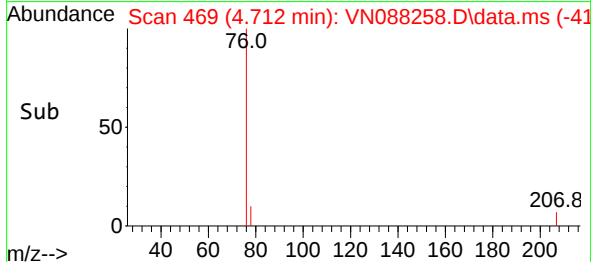
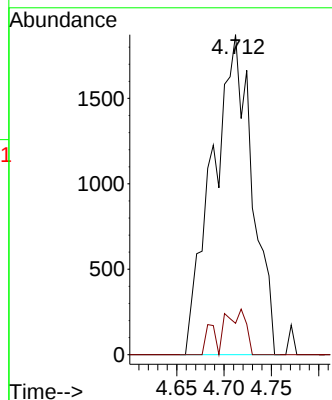
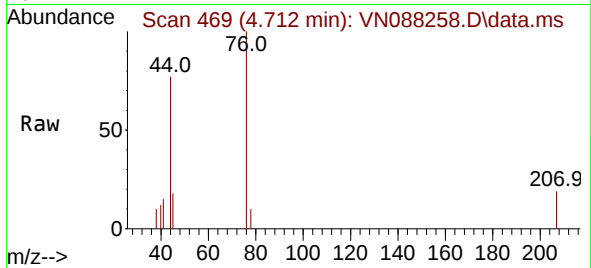




#17
Carbon Disulfide
Concen: 0.664 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.012 min
Lab File: VN088258.D
Acq: 11 Nov 2025 15:26

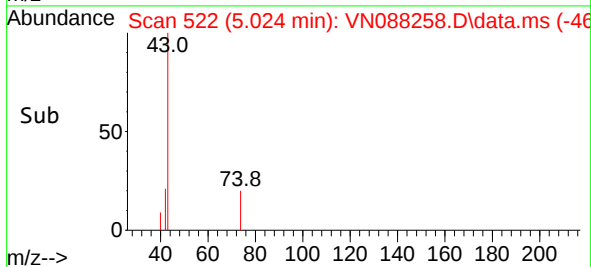
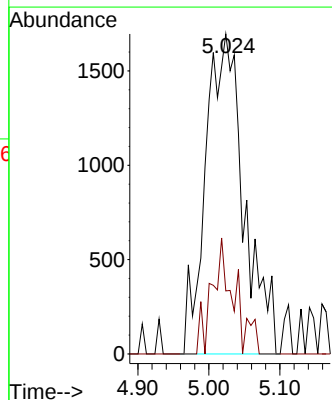
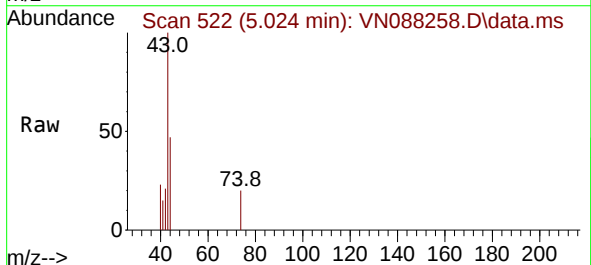
Instrument :
MSVOA_N
ClientSampleId :
TP-3

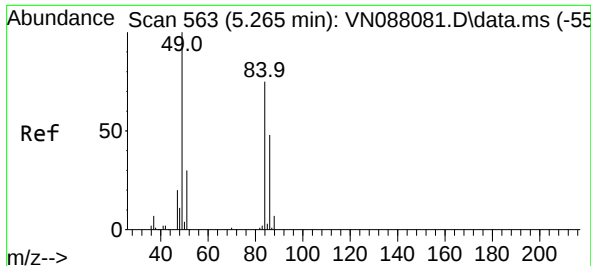
Tgt Ion: 76 Resp: 5473
Ion Ratio Lower Upper
76 100
78 9.8 7.6 11.4



#18
Methyl Acetate
Concen: 1.655 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.012 min
Lab File: VN088258.D
Acq: 11 Nov 2025 15:26

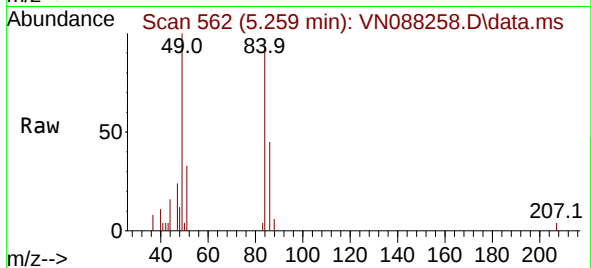
Tgt Ion: 43 Resp: 6356
Ion Ratio Lower Upper
43 100
74 20.3 17.6 26.4



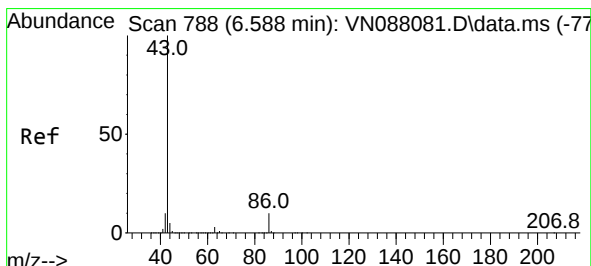
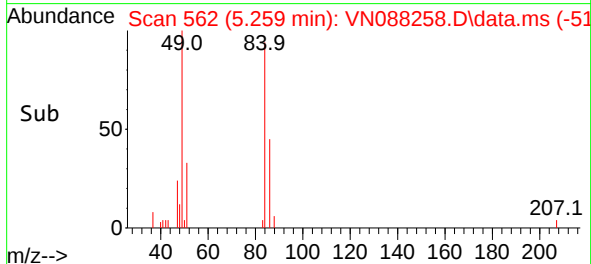
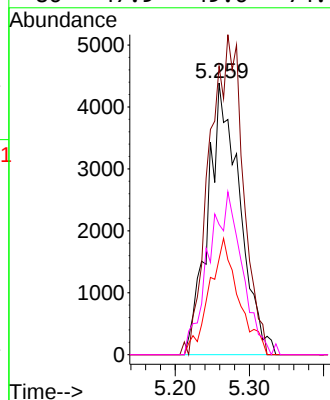


#20
Methylene Chloride
Concen: 4.150 ug/l
RT: 5.259 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN088258.D
Acq: 11 Nov 2025 15:26

Instrument :
MSVOA_N
ClientSampleId :
TP-3

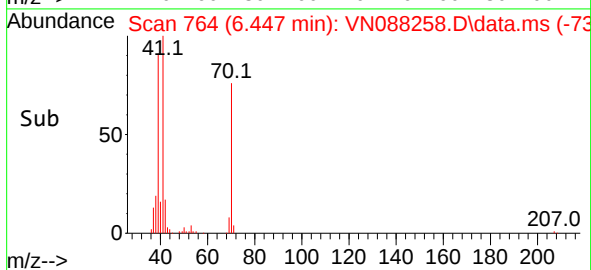
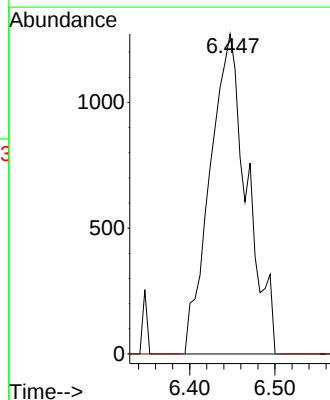
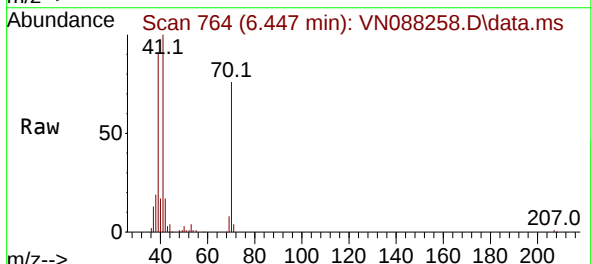


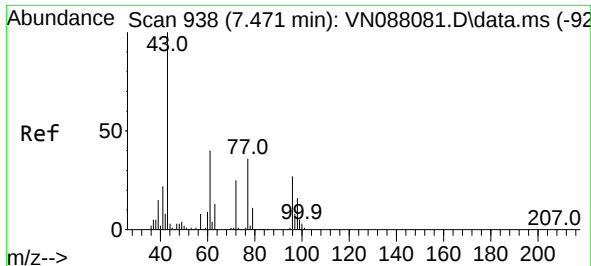
Tgt Ion:	84	Resp:	13064
Ion	Ratio	Lower	Upper
84	100		
49	106.1	103.4	155.2
51	35.2	33.8	50.8
86	47.9	49.6	74.4



#23
Vinyl Acetate
Concen: 0.427 ug/l
RT: 6.447 min Scan# 764
Delta R.T. -0.141 min
Lab File: VN088258.D
Acq: 11 Nov 2025 15:26

Tgt Ion:	43	Resp:	3845
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4

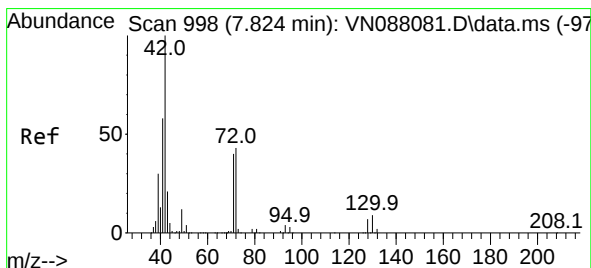
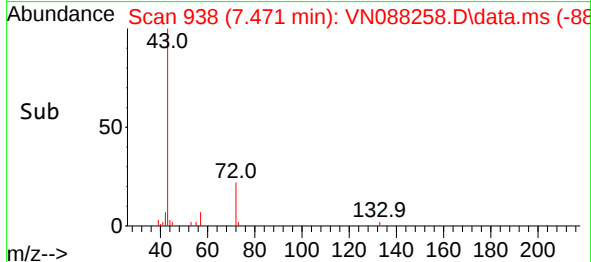
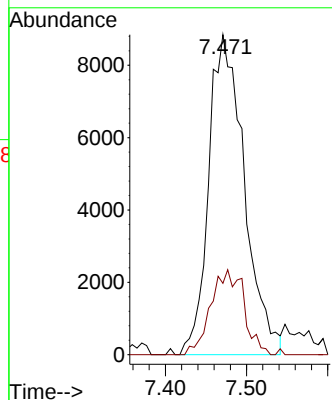
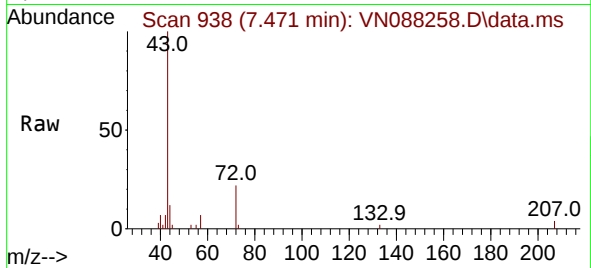




#25
2-Butanone
Concen: 10.895 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN088258.D
Acq: 11 Nov 2025 15:26

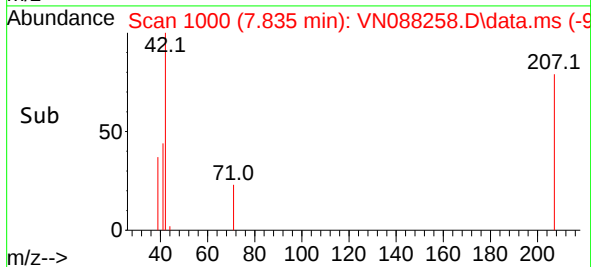
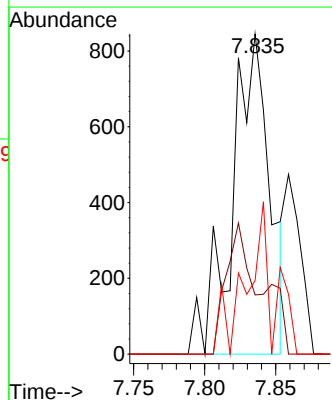
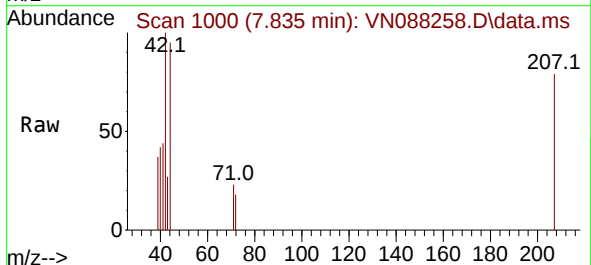
Instrument :
MSVOA_N
ClientSampleId :
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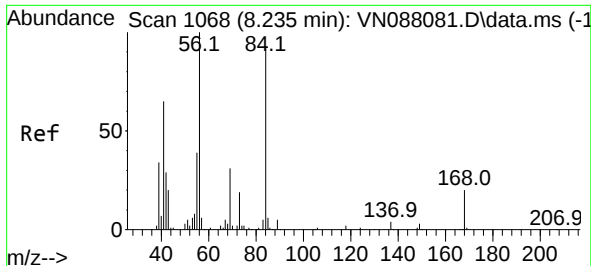
Tgt Ion: 43 Resp: 26926
Ion Ratio Lower Upper
43 100
72 22.3 19.9 29.9



#29
Tetrahydrofuran
Concen: 0.962 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. 0.012 min
Lab File: VN088258.D
Acq: 11 Nov 2025 15:26

Tgt Ion: 42 Resp: 1550
Ion Ratio Lower Upper
42 100
72 37.7 33.7 50.5
71 35.0 31.9 47.9

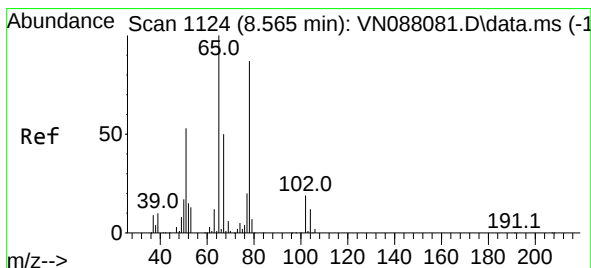
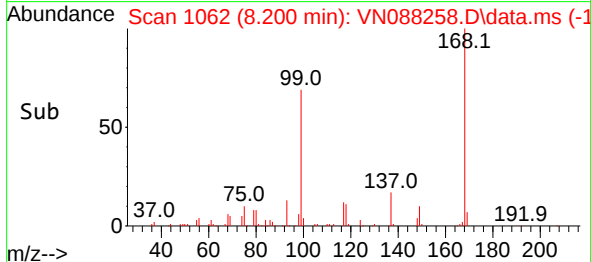
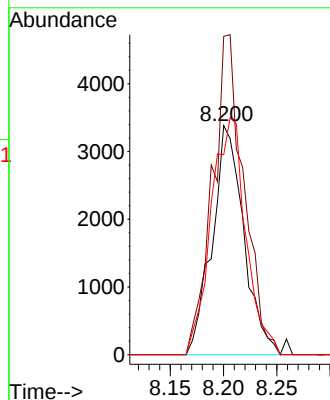
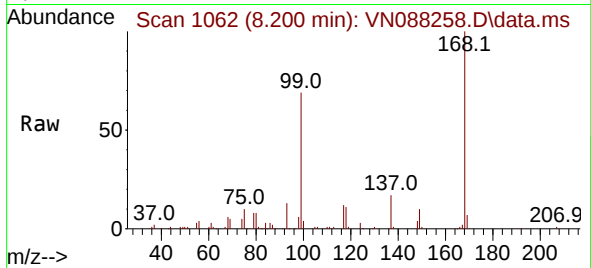




#31
Cyclohexane
Concen: 1.334 ug/l
RT: 8.200 min Scan# 1068
Delta R.T. -0.035 min
Lab File: VN088258.D
Acq: 11 Nov 2025 15:26

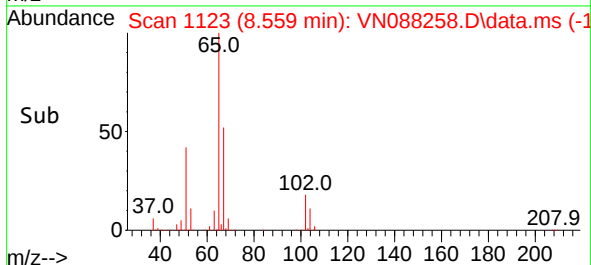
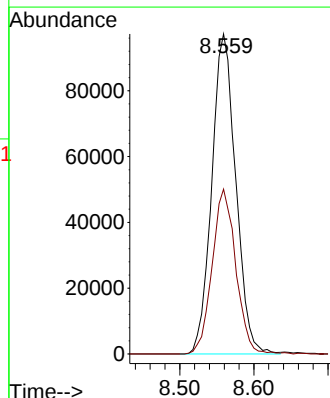
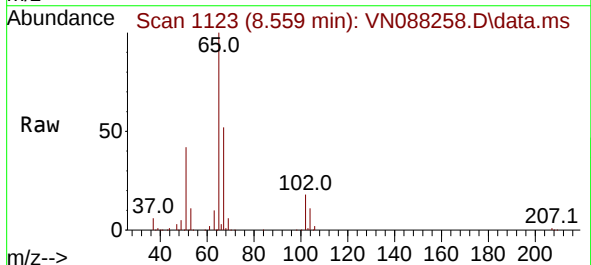
Instrument :
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ClientSampleId :
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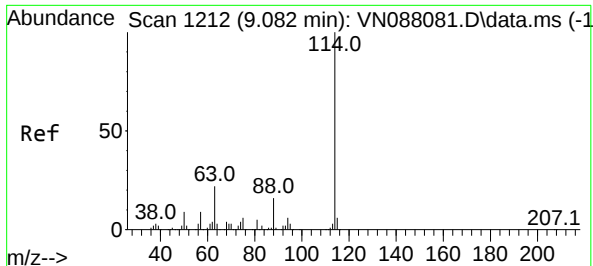
Tgt Ion: 56 Resp: 6973
Ion Ratio Lower Upper
56 100
69 139.0 23.7 35.5#
84 100.4 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 58.555 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088258.D
Acq: 11 Nov 2025 15:26

Tgt Ion: 65 Resp: 218587
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088258.D

Acq: 11 Nov 2025 15:26

Instrument :

MSVOA_N

ClientSampleId :

TP-3

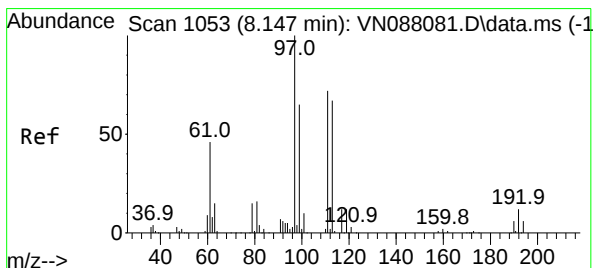
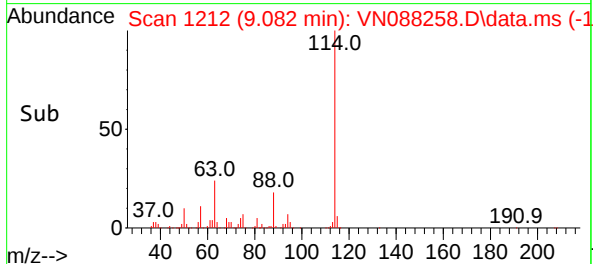
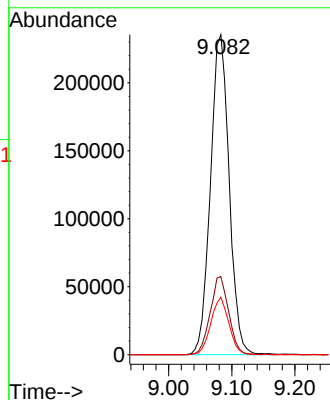
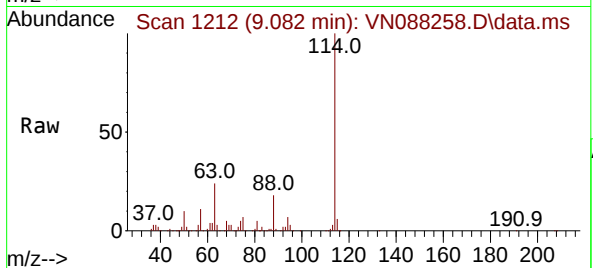
Tgt Ion:114 Resp: 484659

Ion Ratio Lower Upper

114 100

63 24.4 0.0 45.2

88 18.0 0.0 33.4



#35

Dibromofluoromethane

Concen: 50.269 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088258.D

Acq: 11 Nov 2025 15:26

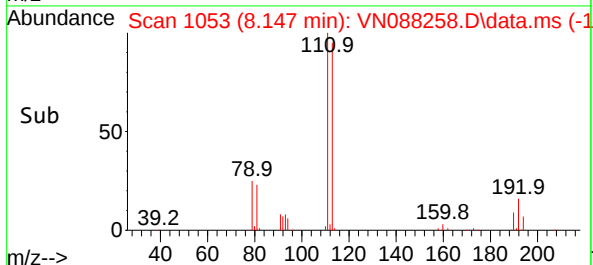
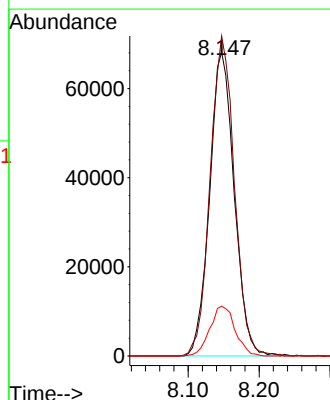
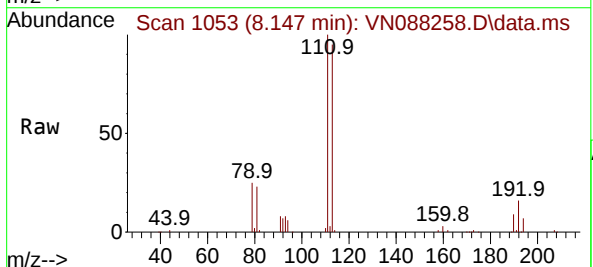
Tgt Ion:113 Resp: 163674

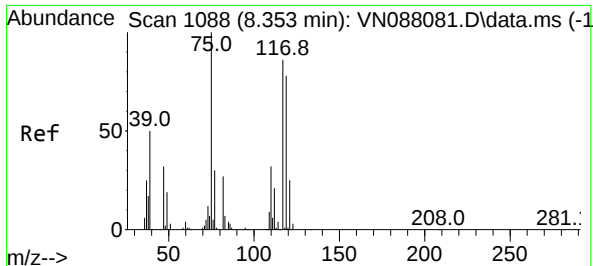
Ion Ratio Lower Upper

113 100

111 103.9 82.8 124.2

192 16.8 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.653 ug/l

RT: 8.206 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN088258.D

Acq: 11 Nov 2025 15:26

Instrument :

MSVOA_N

ClientSampleId :

TP-3

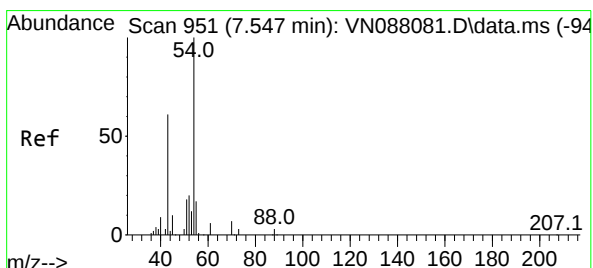
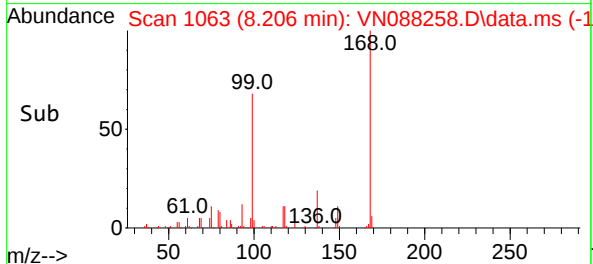
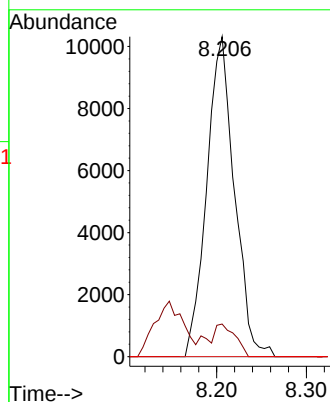
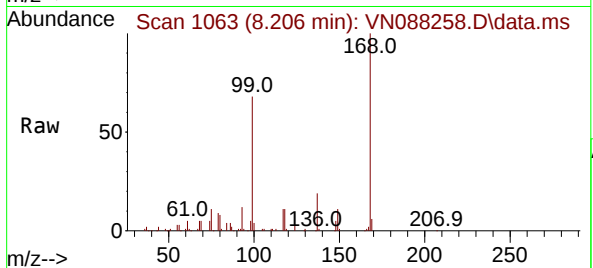
Tgt Ion: 75 Resp: 22121

Ion Ratio Lower Upper

75 100

110 7.3 15.9 47.6#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 4.389 ug/l

RT: 7.471 min Scan# 938

Delta R.T. -0.077 min

Lab File: VN088258.D

Acq: 11 Nov 2025 15:26

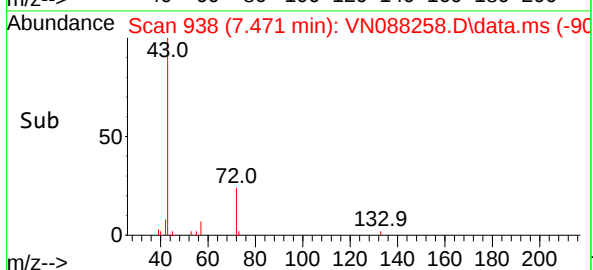
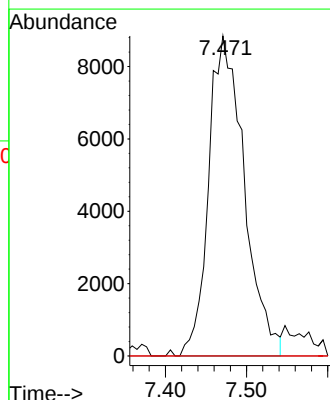
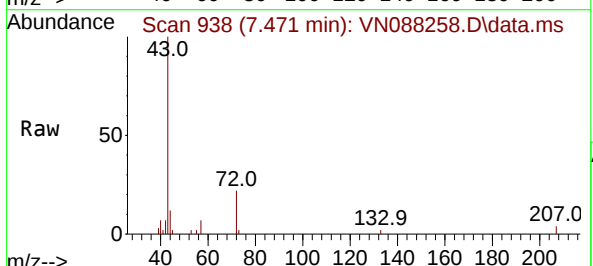
Tgt Ion: 43 Resp: 26926

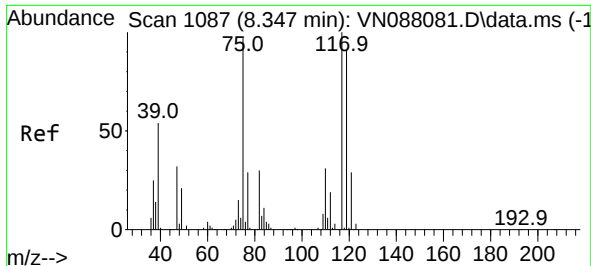
Ion Ratio Lower Upper

43 100

61 0.0 9.3 13.9#

70 0.0 7.0 10.6#

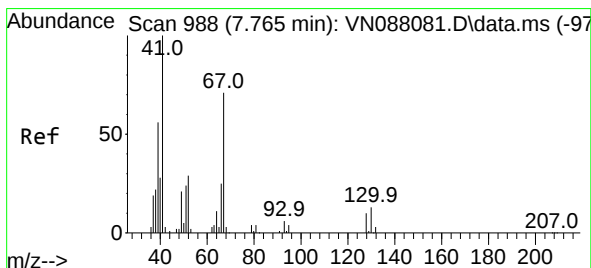
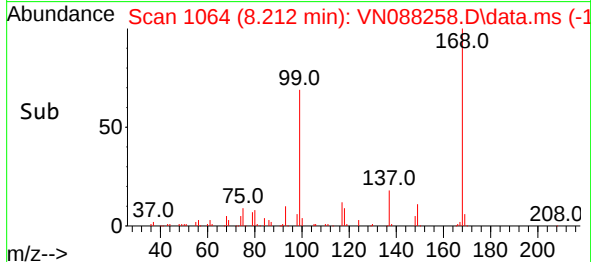
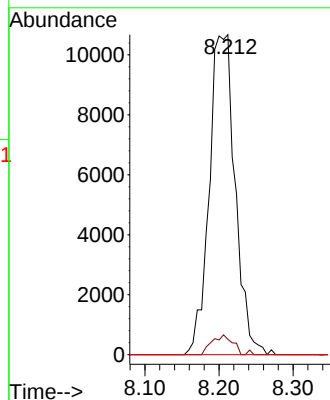
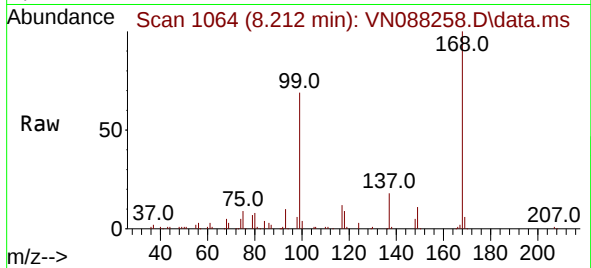




#38
Carbon Tetrachloride
Concen: 5.293 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.130 min
Lab File: VN088258.D
Acq: 11 Nov 2025 15:26

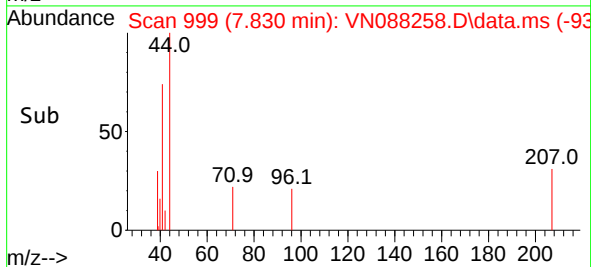
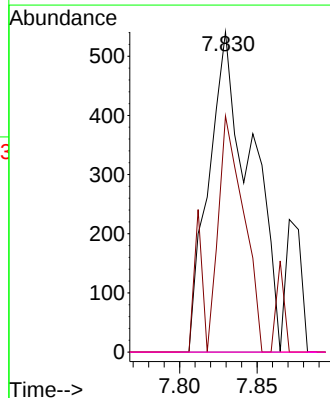
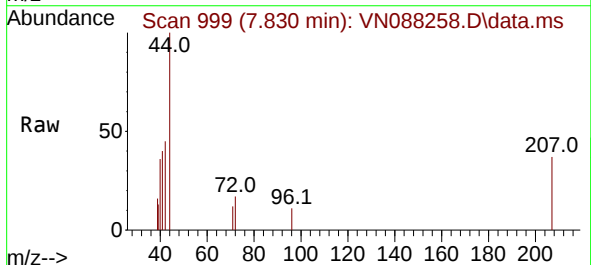
Instrument :
MSVOA_N
ClientSampleId :
TP-3

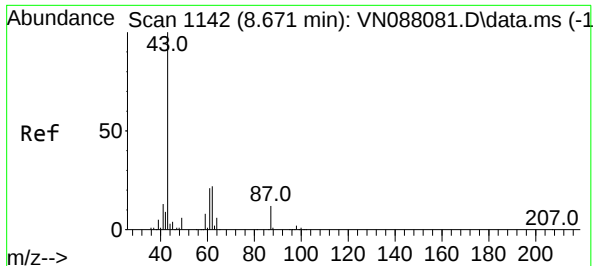
Tgt Ion:117 Resp: 25988
Ion Ratio Lower Upper
117 100
119 4.8 79.0 118.6#
121 0.0 25.0 37.6#



#41
Methacrylonitrile
Concen: 0.321 ug/l
RT: 7.830 min Scan# 999
Delta R.T. 0.070 min
Lab File: VN088258.D
Acq: 11 Nov 2025 15:26

Tgt Ion: 41 Resp: 1037
Ion Ratio Lower Upper
41 100
39 51.8 45.4 68.0
67 0.0 55.3 82.9#
52 0.0 24.5 36.7#





#43

Isopropyl Acetate

Concen: 2.824 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN088258.D

Acq: 11 Nov 2025 15:26

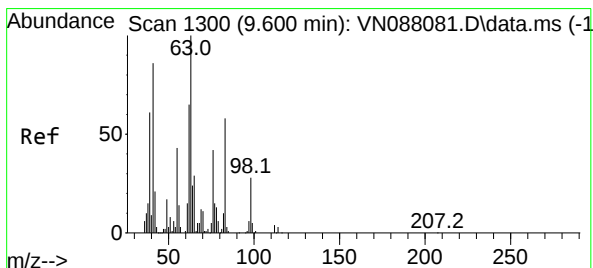
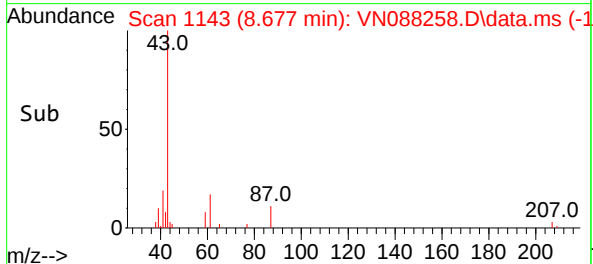
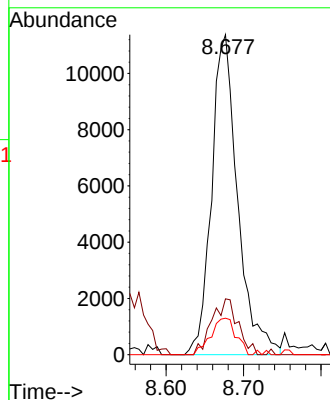
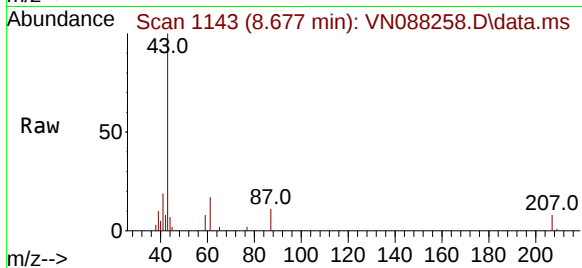
Instrument :

MSVOA_N

ClientSampleId :

TP-3

Tgt Ion:	43	Resp:	26626
Ion	Ratio	Lower	Upper
43	100		
61	17.5	18.8	28.2#
87	11.0	9.6	14.4



#45

1,2-Dichloropropane

Concen: 0.414 ug/l

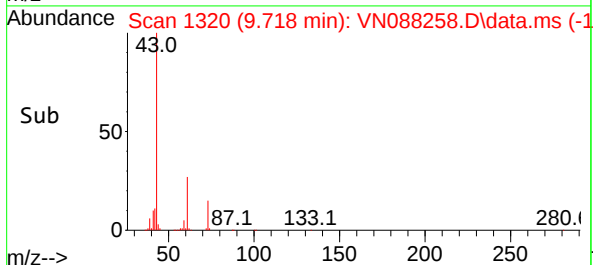
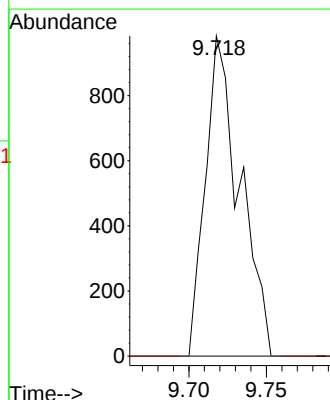
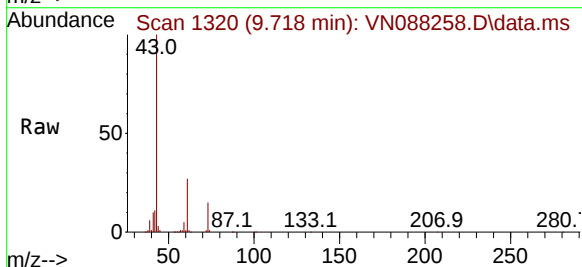
RT: 9.718 min Scan# 1320

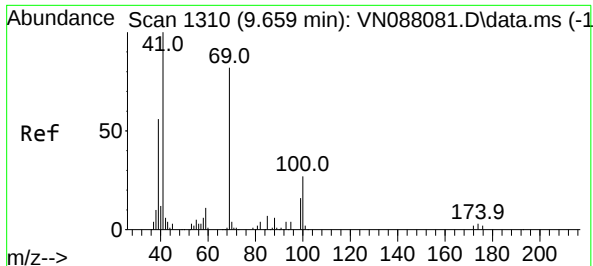
Delta R.T. 0.118 min

Lab File: VN088258.D

Acq: 11 Nov 2025 15:26

Tgt Ion:	63	Resp:	1515
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.0	37.4#

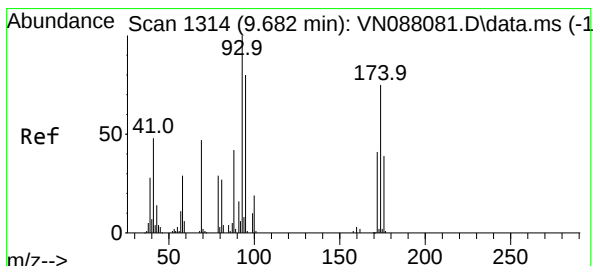
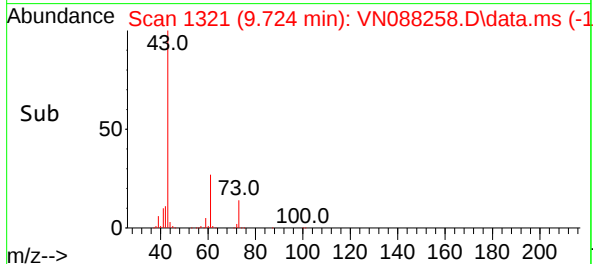
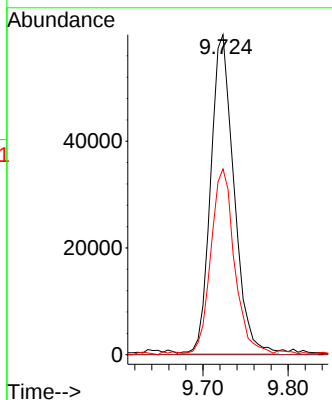
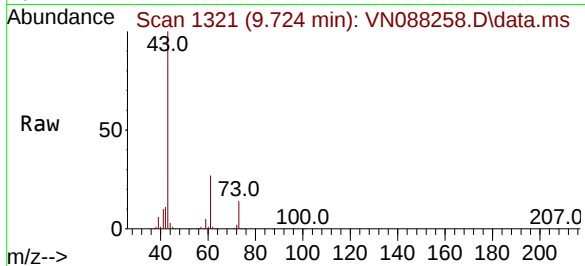




#48
Methyl methacrylate
Concen: 25.988 ug/l
RT: 9.724 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN088258.D
Acq: 11 Nov 2025 15:26

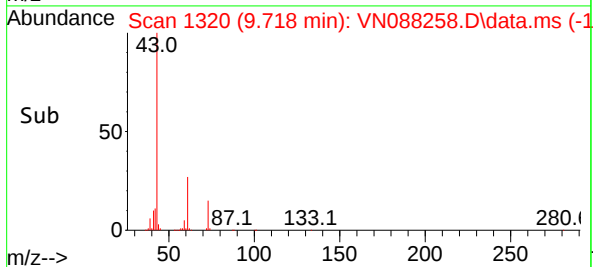
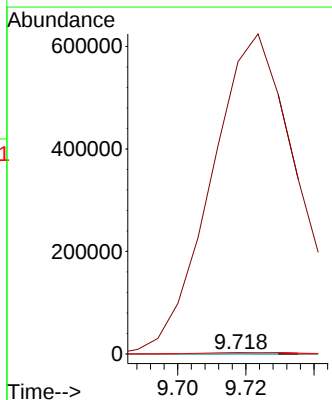
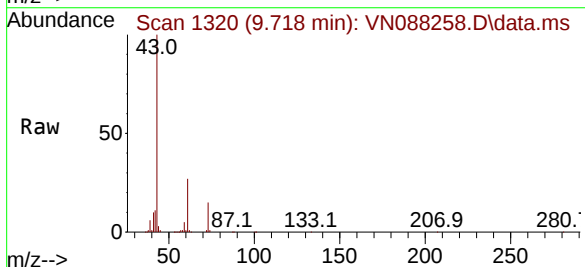
Instrument :
MSVOA_N
ClientSampleId :
TP-3

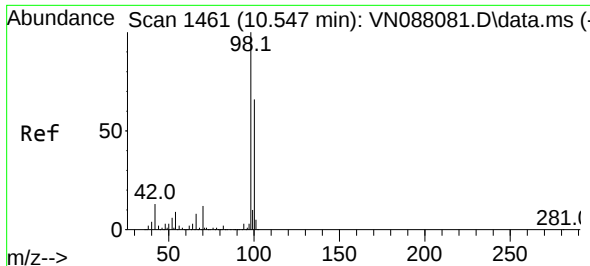
Tgt Ion: 41 Resp: 113112
Ion Ratio Lower Upper
41 100
69 0.0 62.7 94.1#
39 58.2 52.9 79.3



#49
1,4-Dioxane
Concen: 2.531 ug/l
RT: 9.718 min Scan# 1320
Delta R.T. 0.035 min
Lab File: VN088258.D
Acq: 11 Nov 2025 15:26

Tgt Ion: 88 Resp: 137
Ion Ratio Lower Upper
88 100
43 841112.4 0.0 0.0#
58 4400.0 57.9 86.9#

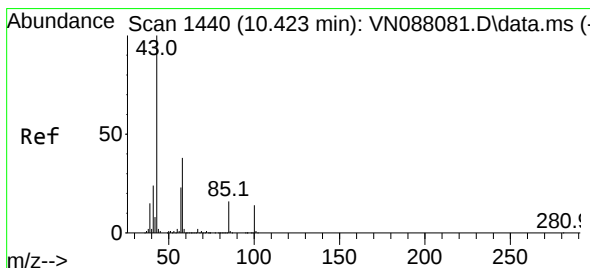
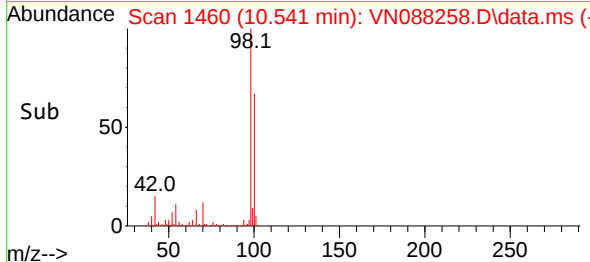
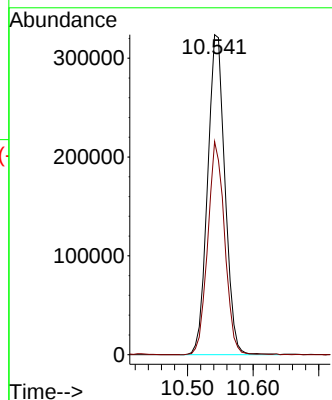
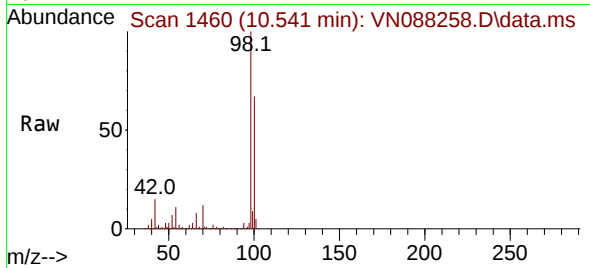




#50
Toluene-d8
Concen: 47.469 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088258.D
Acq: 11 Nov 2025 15:26

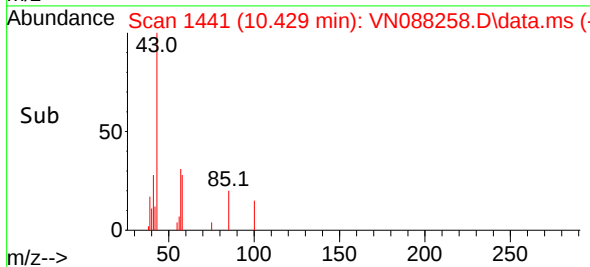
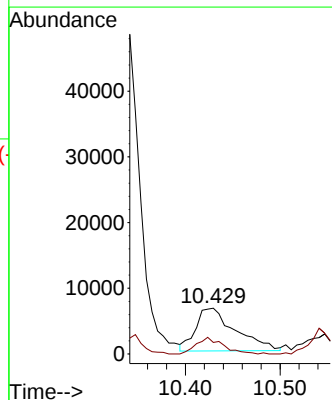
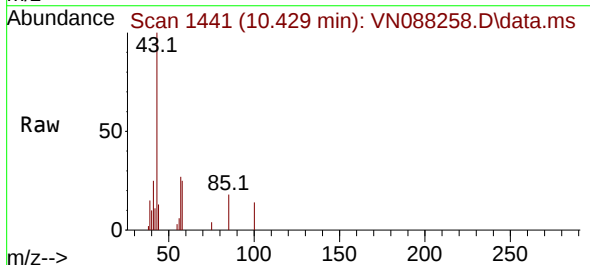
Instrument :
MSVOA_N
ClientSampleId :
TP-3

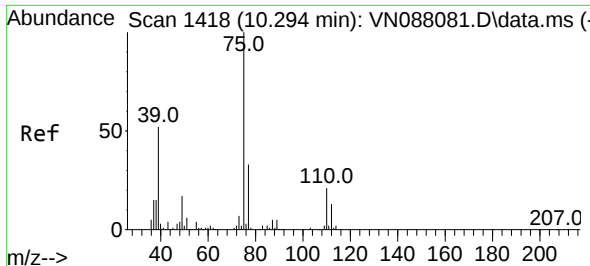
Tgt Ion: 98 Resp: 595532
Ion Ratio Lower Upper
98 100
100 64.9 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 3.413 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. 0.006 min
Lab File: VN088258.D
Acq: 11 Nov 2025 15:26

Tgt Ion: 43 Resp: 19036
Ion Ratio Lower Upper
43 100
58 26.3 29.6 44.4#

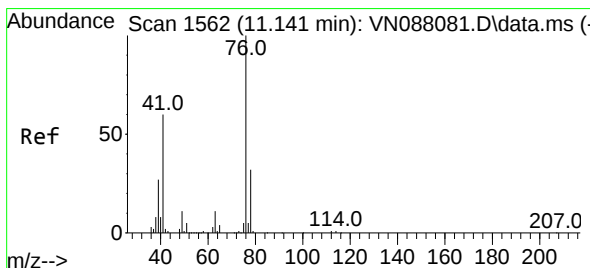
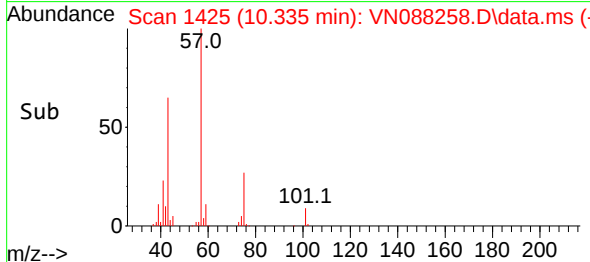
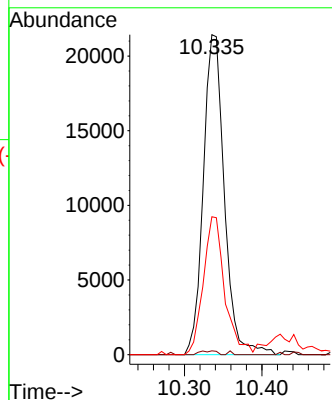
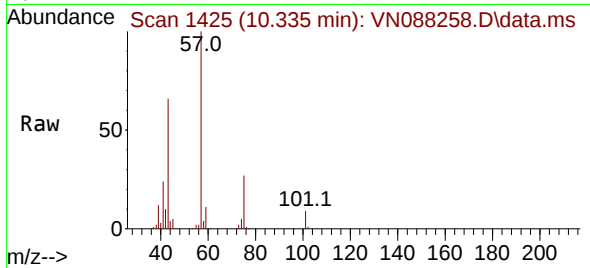




#54
 cis-1,3-Dichloropropene
 Concen: 6.861 ug/l
 RT: 10.335 min Scan# 1418
 Delta R.T. 0.047 min
 Lab File: VN088258.D
 Acq: 11 Nov 2025 15:26

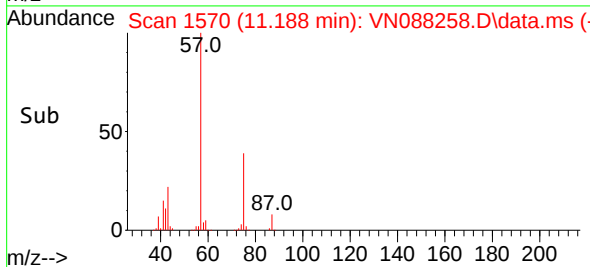
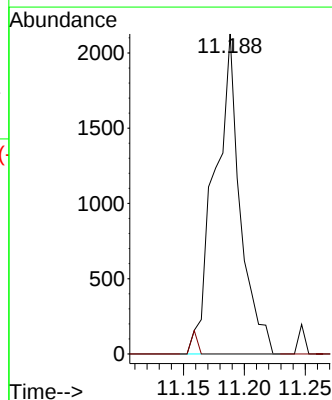
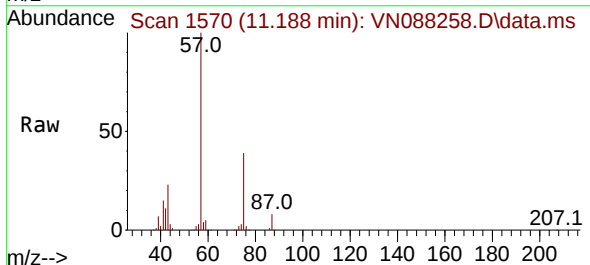
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3

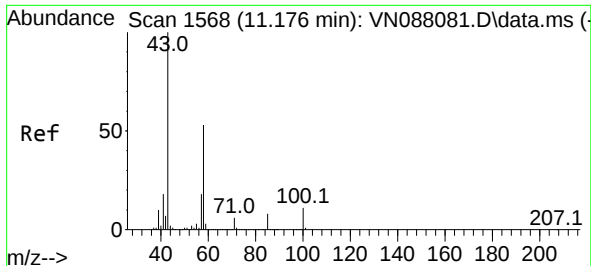
Tgt Ion: 75 Resp: 40444
 Ion Ratio Lower Upper
 75 100
 77 1.2 24.6 37.0#
 39 43.1 45.2 67.8#



#57
 1,3-Dichloropropane
 Concen: 0.520 ug/l
 RT: 11.188 min Scan# 1570
 Delta R.T. 0.047 min
 Lab File: VN088258.D
 Acq: 11 Nov 2025 15:26

Tgt Ion: 76 Resp: 3098
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.4#

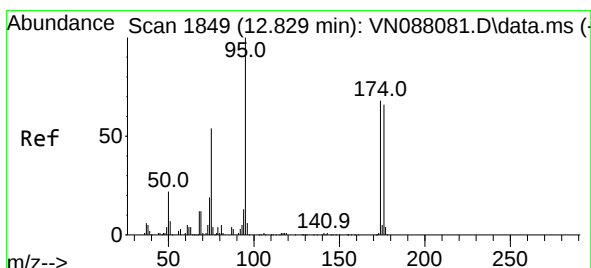
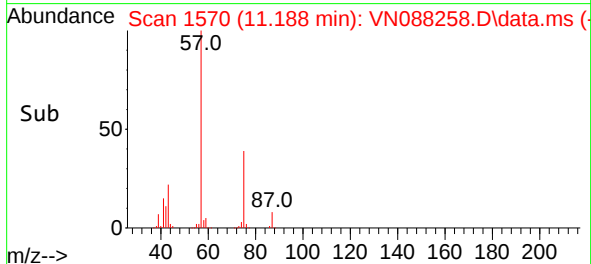
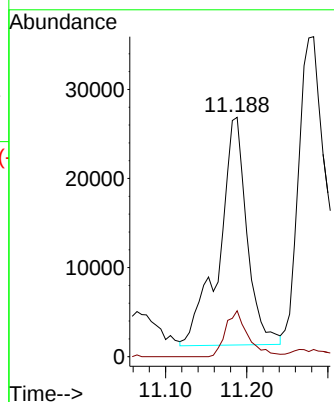
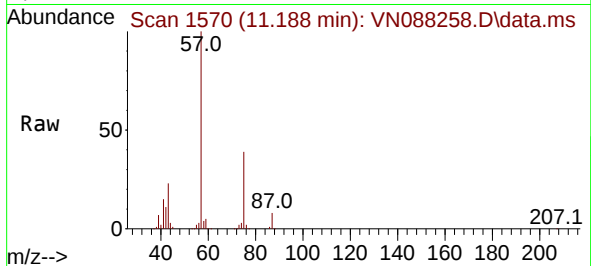




#59
2-Hexanone
Concen: 16.475 ug/l
RT: 11.188 min Scan# 1568
Delta R.T. 0.012 min
Lab File: VN088258.D
Acq: 11 Nov 2025 15:26

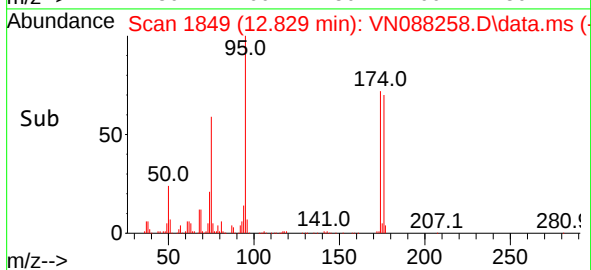
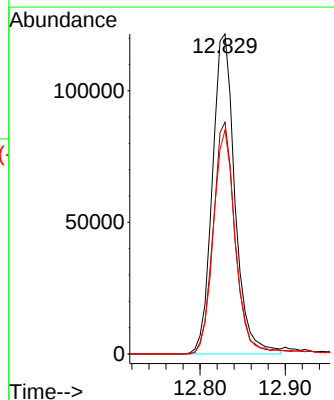
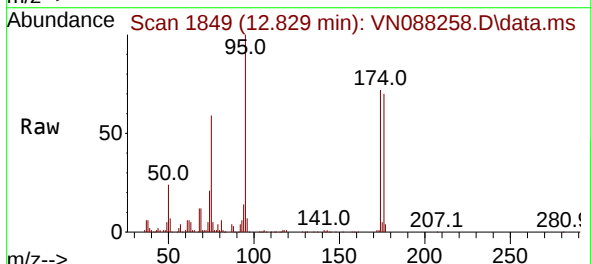
Instrument :
MSVOA_N
ClientSampleId :
TP-3

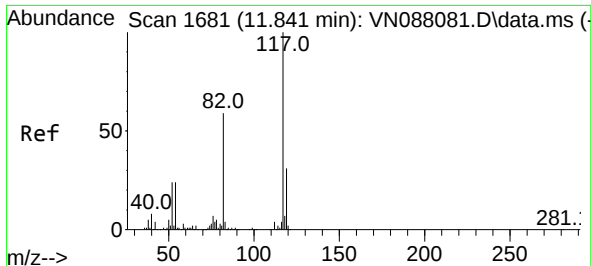
Tgt Ion: 43 Resp: 60952
Ion Ratio Lower Upper
43 100
58 16.4 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 50.408 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088258.D
Acq: 11 Nov 2025 15:26

Tgt Ion: 95 Resp: 223345
Ion Ratio Lower Upper
95 100
174 72.1 0.0 138.4
176 70.2 0.0 132.6

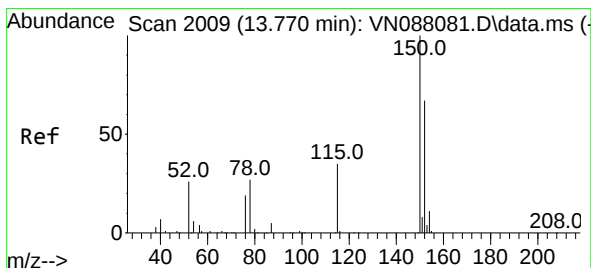
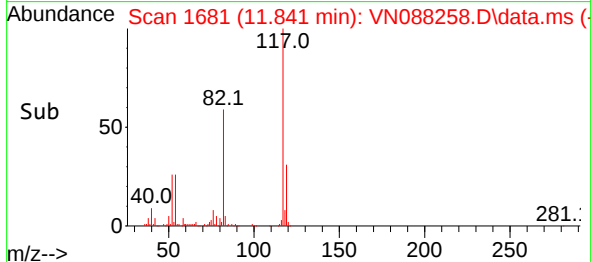
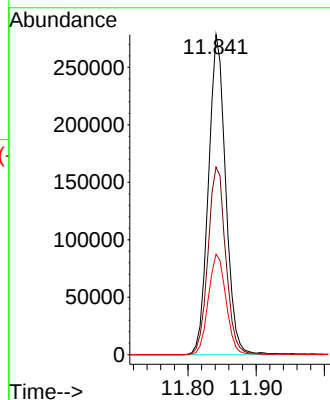
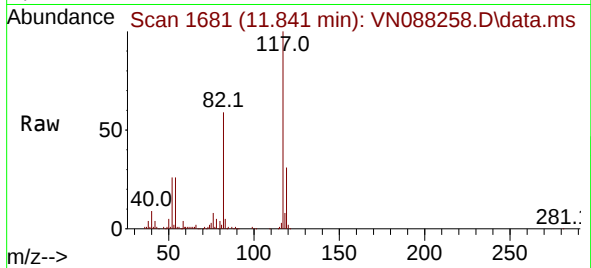




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088258.D
Acq: 11 Nov 2025 15:26

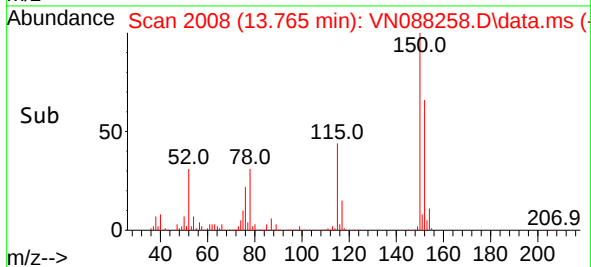
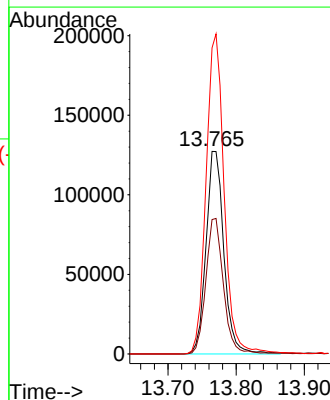
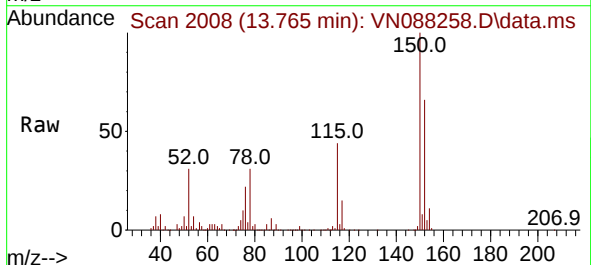
Instrument :
MSVOA_N
ClientSampleId :
TP-3

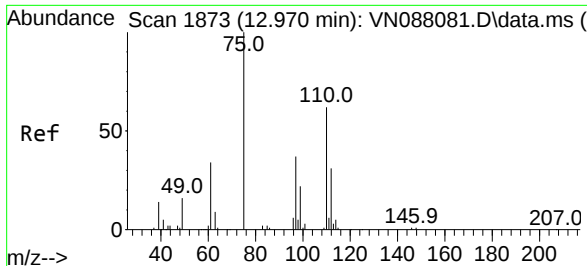
Tgt Ion:117 Resp: 489327
Ion Ratio Lower Upper
117 100
82 58.6 47.4 71.2
119 31.4 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.765 min Scan# 2008
Delta R.T. -0.000 min
Lab File: VN088258.D
Acq: 11 Nov 2025 15:26

Tgt Ion:152 Resp: 232001
Ion Ratio Lower Upper
152 100
115 66.3 32.3 96.8
150 159.9 0.0 351.0

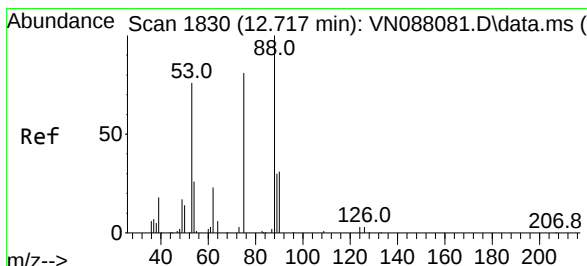
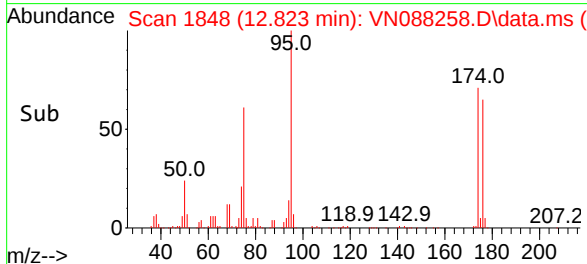
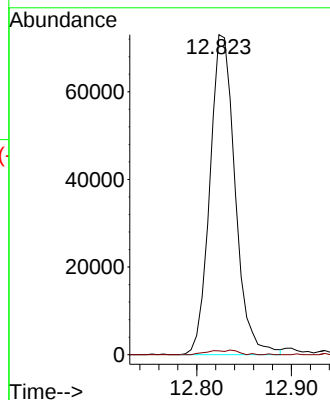
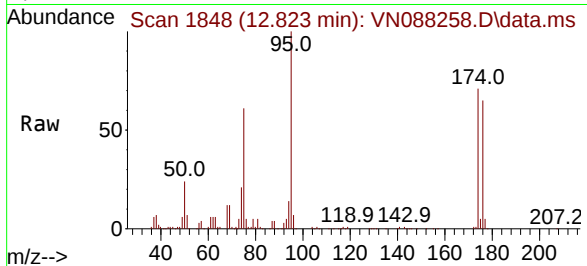




#76
1,2,3-Trichloropropane
Concen: 25.503 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.147 min
Lab File: VN088258.D
Acq: 11 Nov 2025 15:26

Instrument :
MSVOA_N
ClientSampleId :
TP-3

Tgt Ion: 75 Resp: 135274
Ion Ratio Lower Upper
75 100
77 1.0 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.141 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.106 min
Lab File: VN088258.D
Acq: 11 Nov 2025 15:26

Tgt Ion: 75 Resp: 135274
Ion Ratio Lower Upper
75 100
53 0.1 101.8 152.6#
89 0.3 35.6 53.4#

