

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111125\
 Data File : VN088252.D
 Acq On : 11 Nov 2025 13:23
 Operator : JC\MD
 Sample : Q3581-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-240

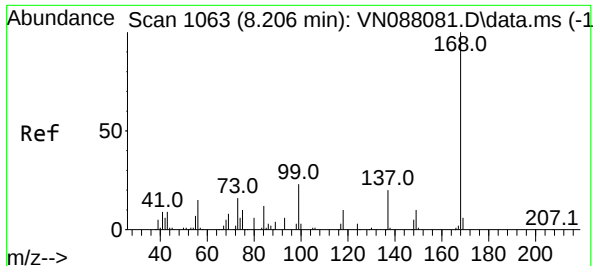
Quant Time: Nov 12 01:14:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	239679	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	562332	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	577602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	280457	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	271534	65.516	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	131.040%	#
35) Dibromofluoromethane	8.147	113	194108	51.382	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	102.760%	
50) Toluene-d8	10.541	98	697398	47.910	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	95.820%	
62) 4-Bromofluorobenzene	12.823	95	276319	53.750	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	107.500%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.524	59	4374	6.126	ug/l	# 80
16) Acetone	4.424	43	164879	79.186	ug/l	# 95
18) Methyl Acetate	5.024	43	7134	1.674	ug/l	# 78
20) Methylene Chloride	5.265	84	13206	3.778	ug/l	# 93
25) 2-Butanone	7.471	43	17351	6.323	ug/l	# 97
29) Tetrahydrofuran	7.829	42	1329	0.743	ug/l	# 71
31) Cyclohexane	8.194	56	7624	1.314	ug/l	# 38
36) 1,1-Dichloropropene	8.206	75	24841	4.503	ug/l	# 51
37) Ethyl Acetate	7.547	43	1755	0.247	ug/l	# 72
38) Carbon Tetrachloride	8.200	117	28156	4.942	ug/l	# 14
43) Isopropyl Acetate	8.671	43	28500	2.606	ug/l	# 93
48) Methyl methacrylate	9.718	41	127247	25.198	ug/l	# 47
49) 1,4-Dioxane	9.718	88	120	1.911	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.423	43	18967	2.931	ug/l	# 81
54) cis-1,3-Dichloropropene	10.335	75	45640	6.673	ug/l	# 67
57) 1,3-Dichloropropane	11.188	76	4055	0.587	ug/l	# 42
59) 2-Hexanone	11.182	43	72642	16.923	ug/l	# 50
74) N-amyl acetate	12.488	43	2128	0.347	ug/l	# 51
76) 1,2,3-Trichloropropane	12.823	75	158720	24.753	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.823	75	158720	69.050	ug/l	# 1

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

Quant Time: Nov 12 01:14:52 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

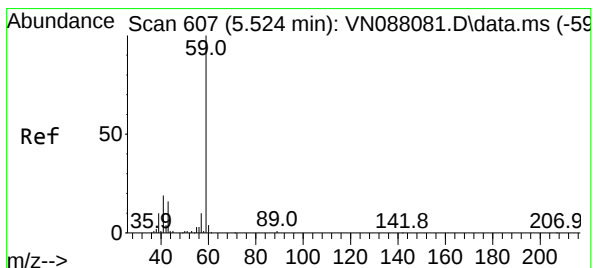
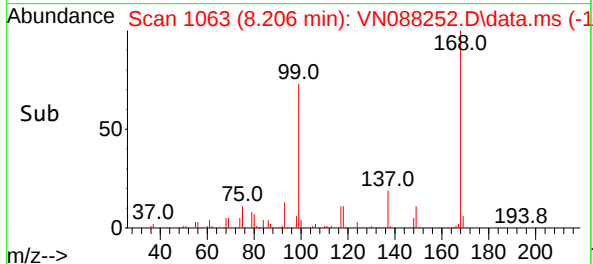
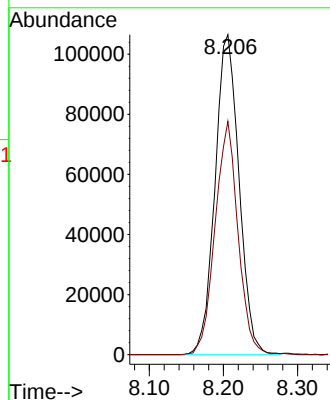
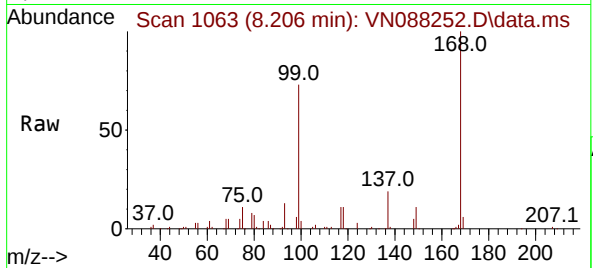




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088252.D
Acq: 11 Nov 2025 13:23

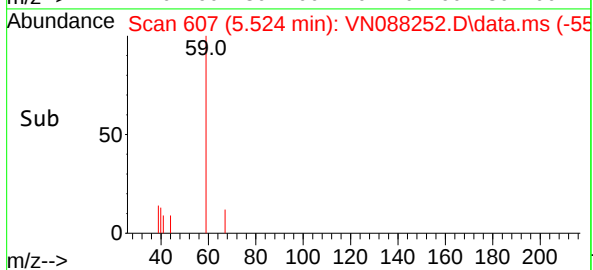
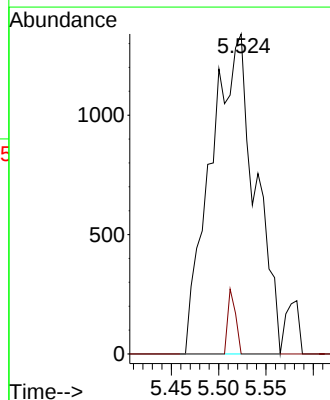
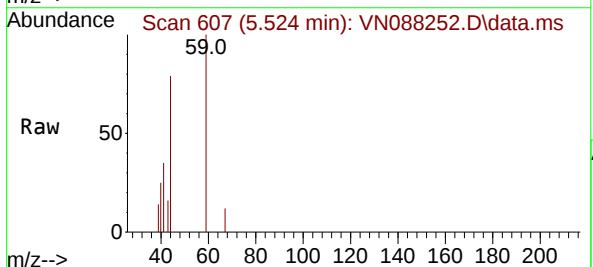
Instrument :
MSVOA_N
ClientSampleId :
VNJ-240

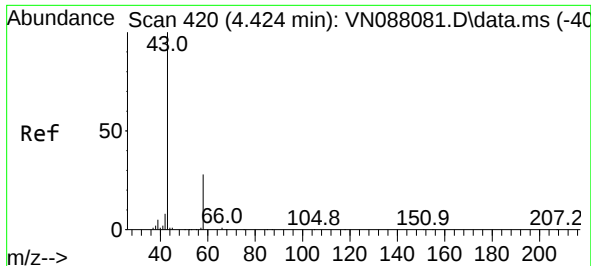
Tgt Ion:168 Resp: 239679
Ion Ratio Lower Upper
168 100
99 72.9 57.2 85.8



#11
Tert butyl alcohol
Concen: 6.126 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN088252.D
Acq: 11 Nov 2025 13:23

Tgt Ion: 59 Resp: 4374
Ion Ratio Lower Upper
59 100
57 3.6 9.0 13.4#

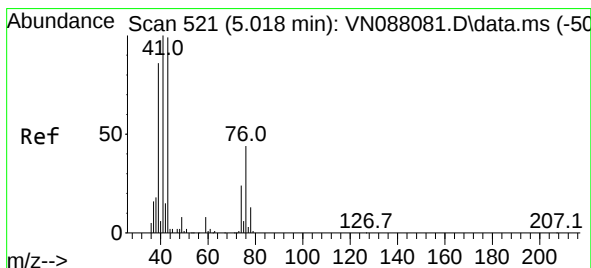
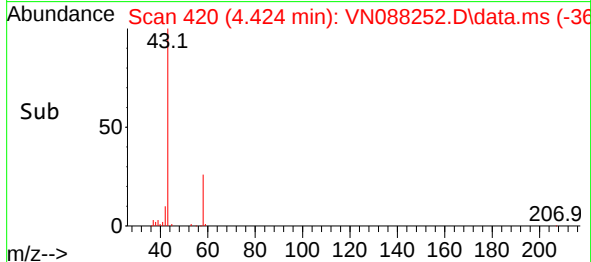
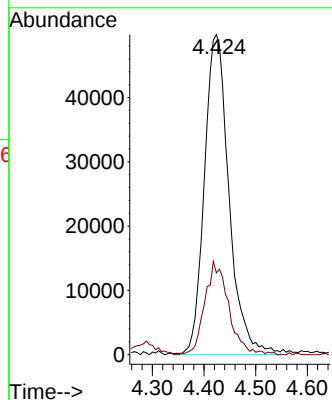
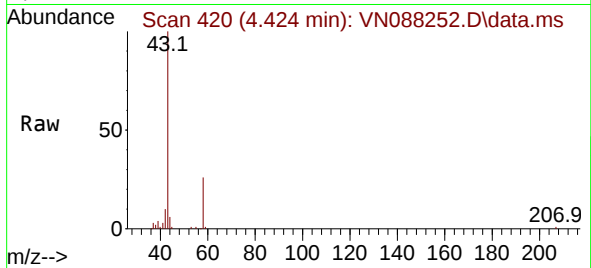




#16
Acetone
Concen: 79.186 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN088252.D
Acq: 11 Nov 2025 13:23

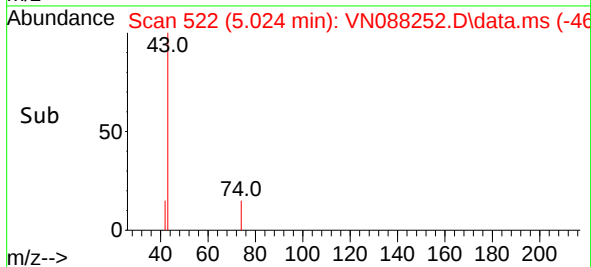
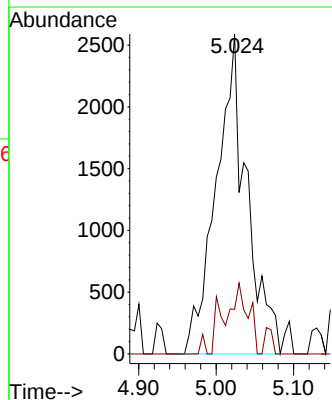
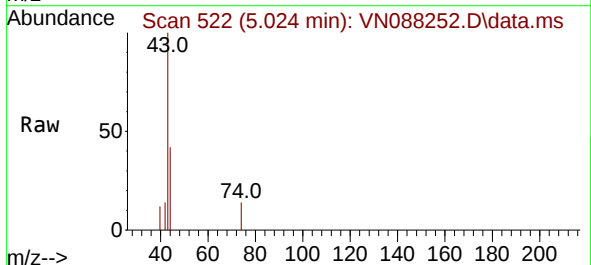
Instrument :
MSVOA_N
ClientSampleId :
VNJ-240

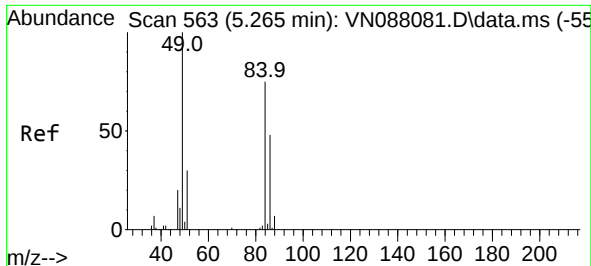
Tgt Ion: 43 Resp: 164879
Ion Ratio Lower Upper
43 100
58 25.6 22.6 33.8



#18
Methyl Acetate
Concen: 1.674 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.012 min
Lab File: VN088252.D
Acq: 11 Nov 2025 13:23

Tgt Ion: 43 Resp: 7134
Ion Ratio Lower Upper
43 100
74 11.7 17.6 26.4#

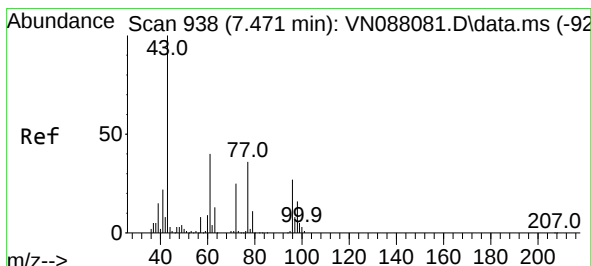
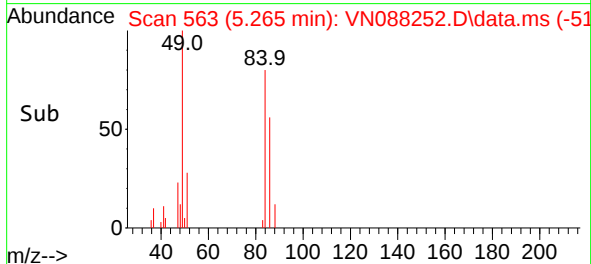
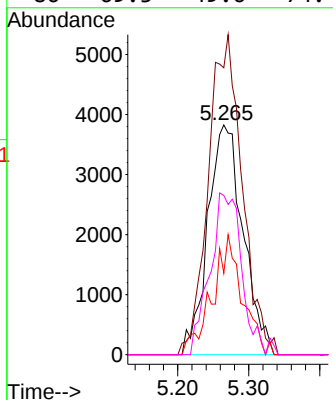
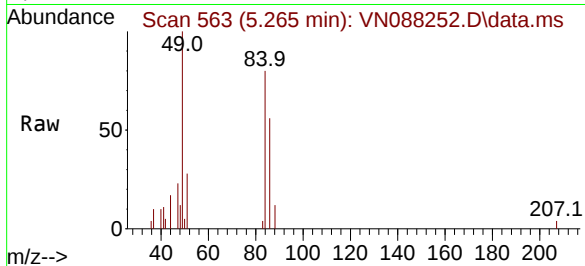




#20
Methylene Chloride
Concen: 3.778 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN088252.D
Acq: 11 Nov 2025 13:23

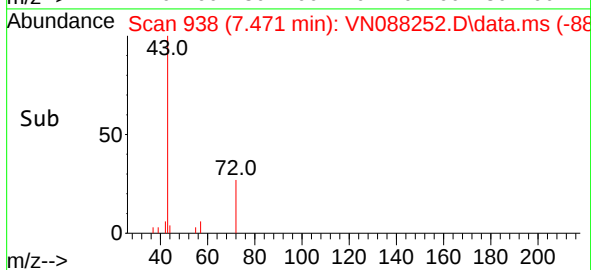
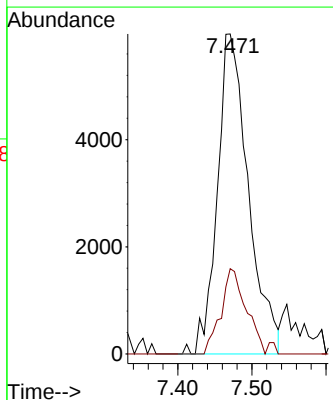
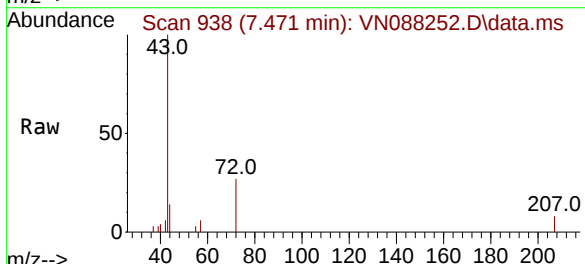
Instrument :
MSVOA_N
ClientSampleId :
VNJ-240

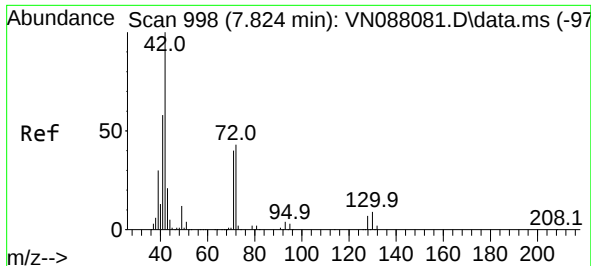
Tgt Ion:	84	Resp:	13206
Ion	Ratio	Lower	Upper
84	100		
49	124.9	103.4	155.2
51	35.4	33.8	50.8
86	69.3	49.6	74.4



#25
2-Butanone
Concen: 6.323 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN088252.D
Acq: 11 Nov 2025 13:23

Tgt Ion:	43	Resp:	17351
Ion	Ratio	Lower	Upper
43	100		
72	26.6	19.9	29.9

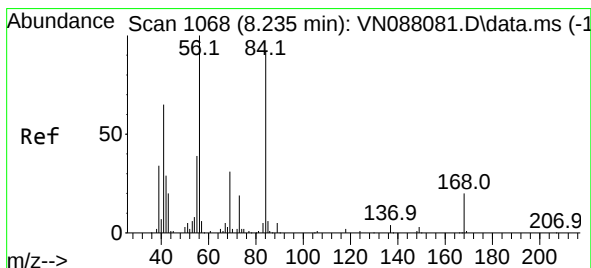
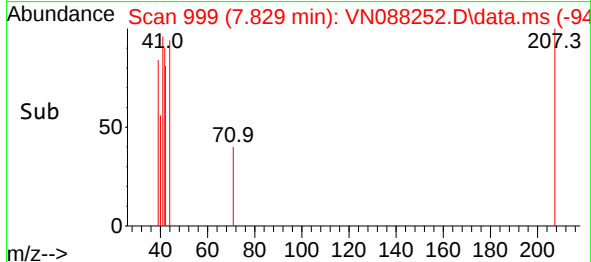
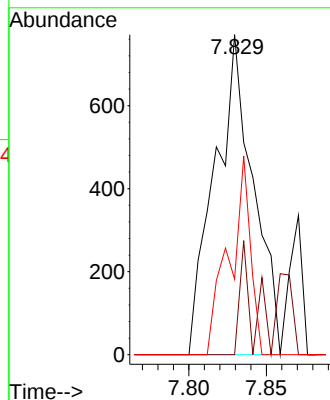
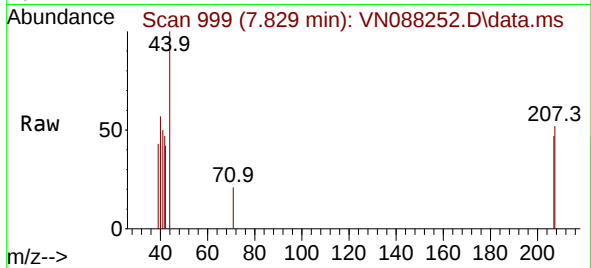




#29
Tetrahydrofuran
Concen: 0.743 ug/l
RT: 7.829 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN088252.D
Acq: 11 Nov 2025 13:23

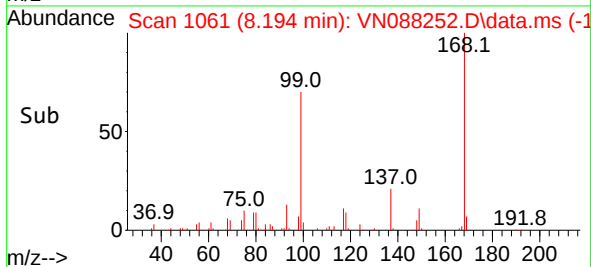
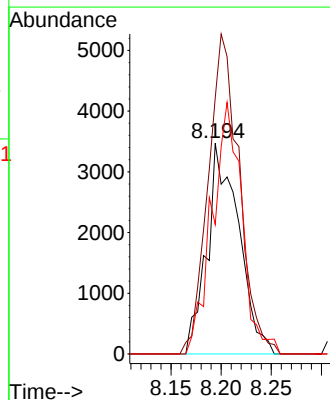
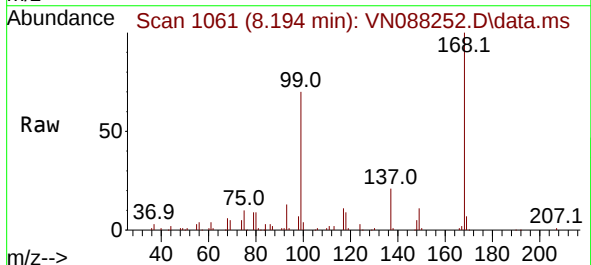
Instrument :
MSVOA_N
ClientSampleId :
VNJ-240

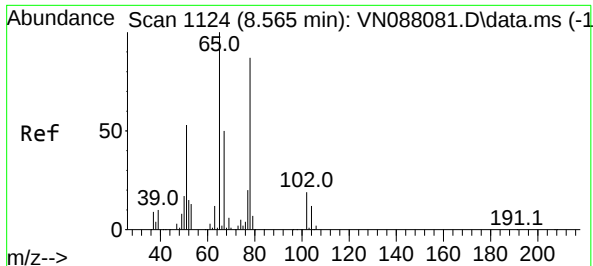
Tgt Ion: 42 Resp: 1329
Ion Ratio Lower Upper
42 100
72 12.3 33.7 50.5#
71 34.1 31.9 47.9



#31
Cyclohexane
Concen: 1.314 ug/l
RT: 8.194 min Scan# 1061
Delta R.T. -0.041 min
Lab File: VN088252.D
Acq: 11 Nov 2025 13:23

Tgt Ion: 56 Resp: 7624
Ion Ratio Lower Upper
56 100
69 121.6 23.7 35.5#
84 61.5 64.7 97.1#





#33

1,2-Dichloroethane-d4

Concen: 65.516 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088252.D

Acq: 11 Nov 2025 13:23

Instrument :

MSVOA_N

ClientSampleId :

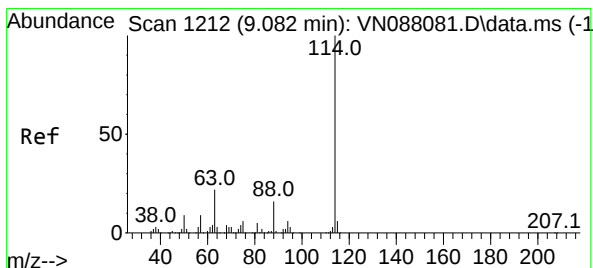
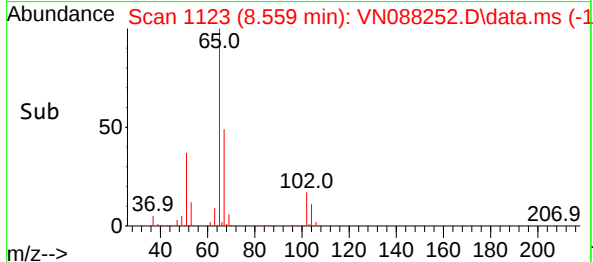
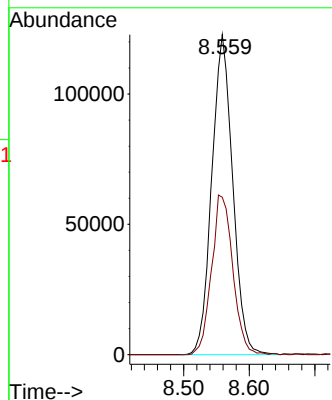
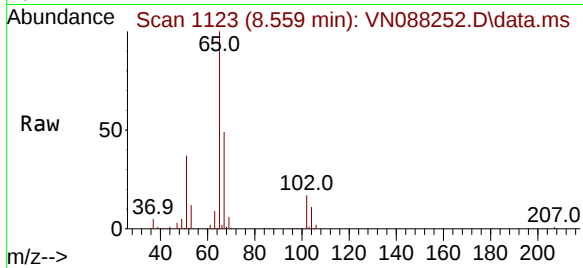
VNJ-240

Tgt Ion: 65 Resp: 271534

Ion Ratio Lower Upper

65 100

67 50.9 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088252.D

Acq: 11 Nov 2025 13:23

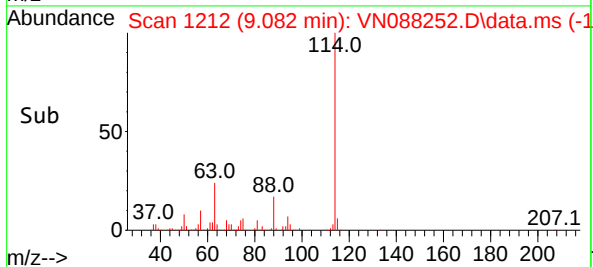
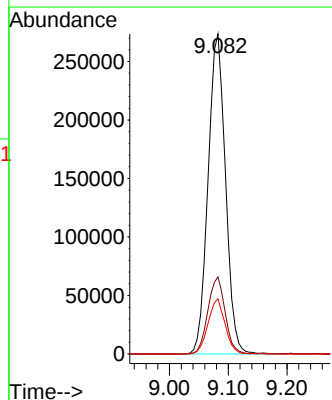
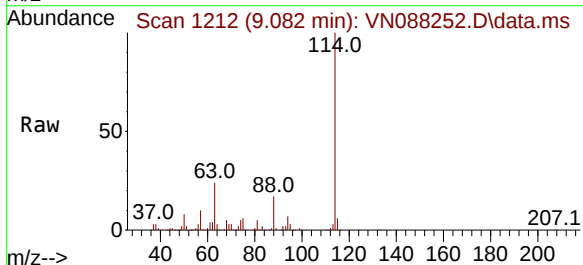
Tgt Ion: 114 Resp: 562332

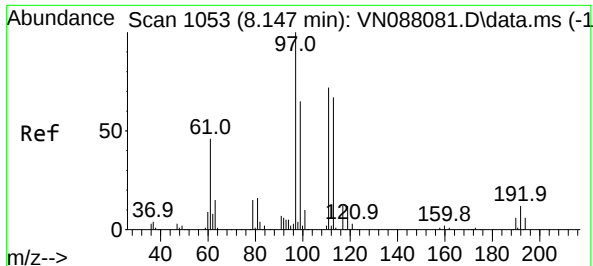
Ion Ratio Lower Upper

114 100

63 24.1 0.0 45.2

88 17.3 0.0 33.4

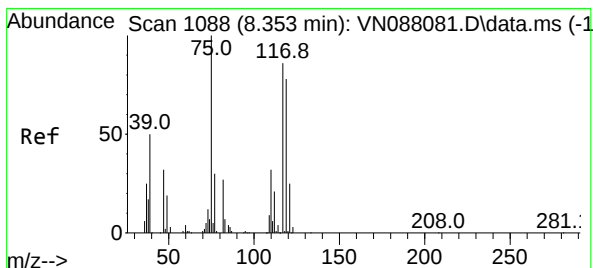
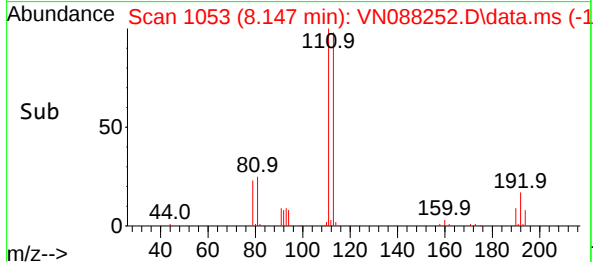
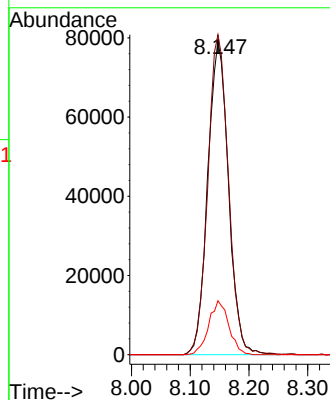
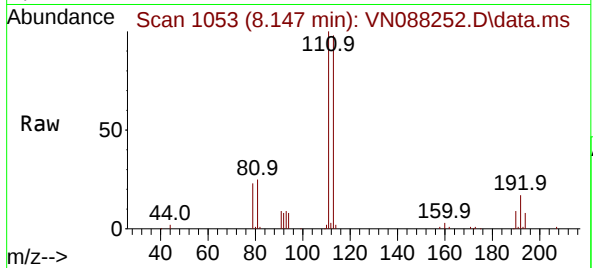




#35
Dibromofluoromethane
Concen: 51.382 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088252.D
Acq: 11 Nov 2025 13:23

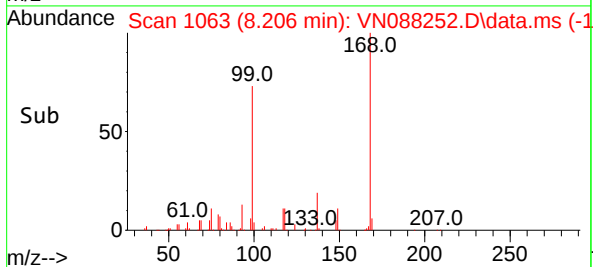
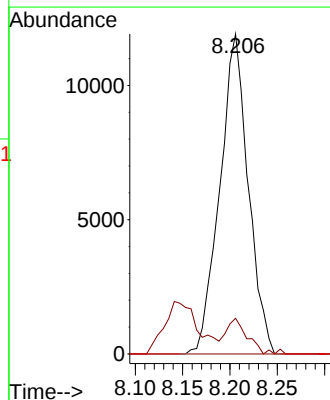
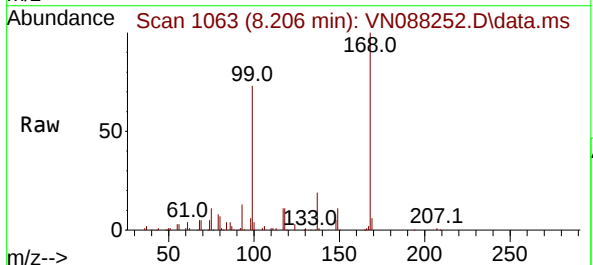
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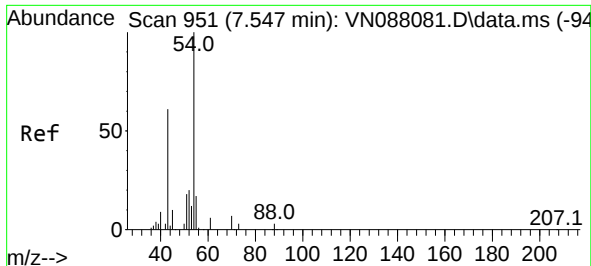
Tgt Ion:113 Resp: 194108
Ion Ratio Lower Upper
113 100
111 101.7 82.8 124.2
192 16.7 12.8 19.2



#36
1,1-Dichloropropene
Concen: 4.503 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.147 min
Lab File: VN088252.D
Acq: 11 Nov 2025 13:23

Tgt Ion: 75 Resp: 24841
Ion Ratio Lower Upper
75 100
110 8.2 15.9 47.6#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.247 ug/l

RT: 7.547 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN088252.D

Acq: 11 Nov 2025 13:23

Instrument :

MSVOA_N

ClientSampleId :

VNJ-240

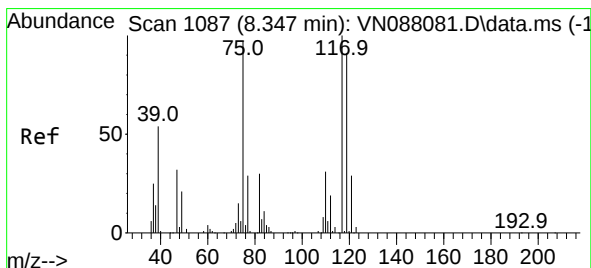
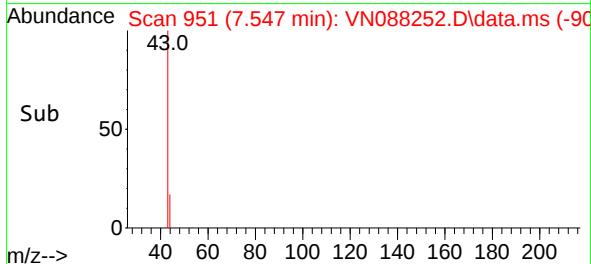
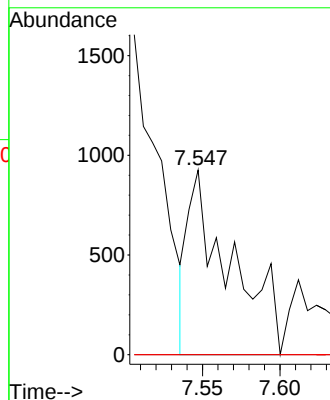
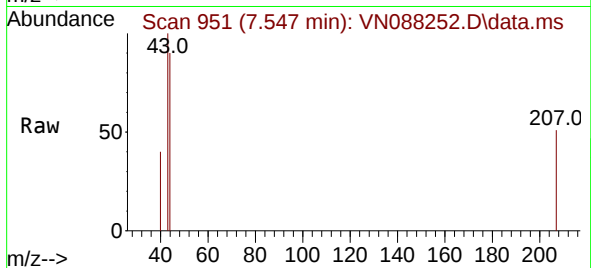
Tgt Ion: 43 Resp: 1755

Ion Ratio Lower Upper

43 100

61 0.0 9.3 13.9#

70 0.0 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 4.942 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.141 min

Lab File: VN088252.D

Acq: 11 Nov 2025 13:23

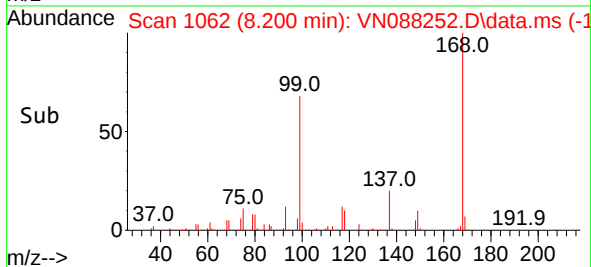
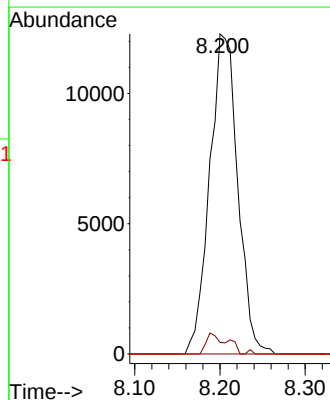
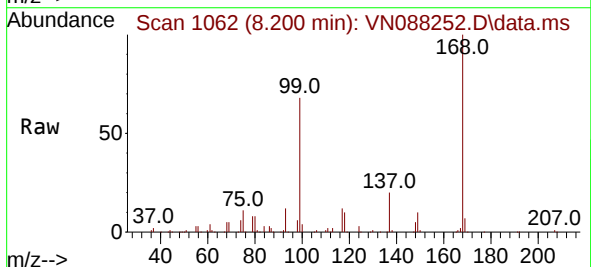
Tgt Ion: 117 Resp: 28156

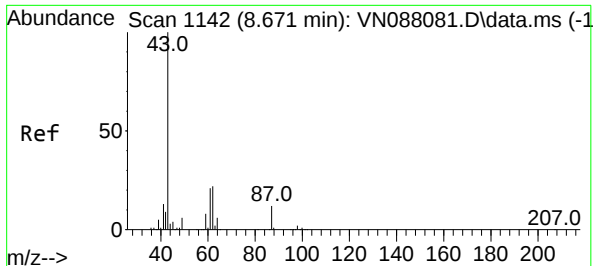
Ion Ratio Lower Upper

117 100

119 3.6 79.0 118.6#

121 0.0 25.0 37.6#

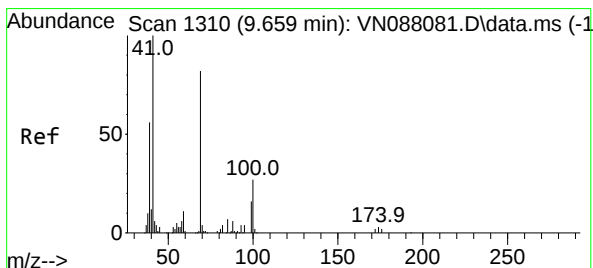
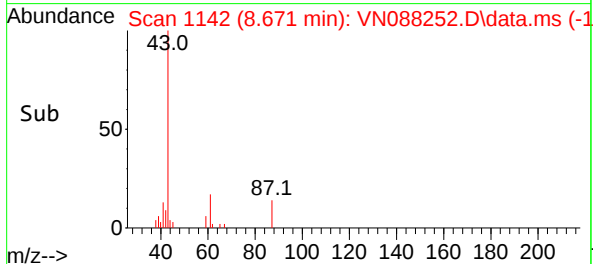
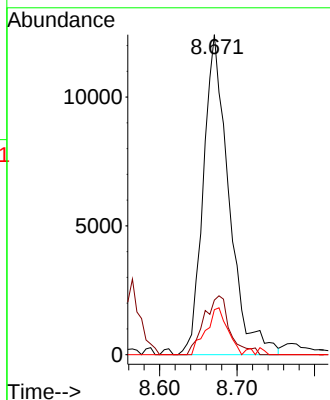
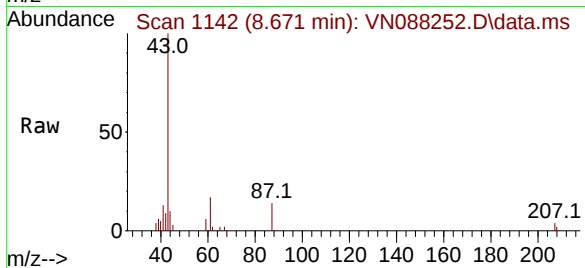




#43
Isopropyl Acetate
Concen: 2.606 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN088252.D
Acq: 11 Nov 2025 13:23

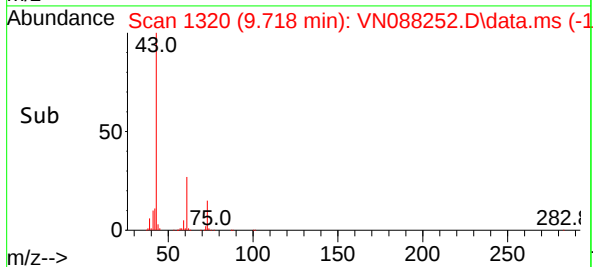
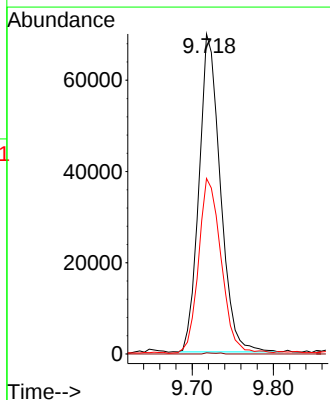
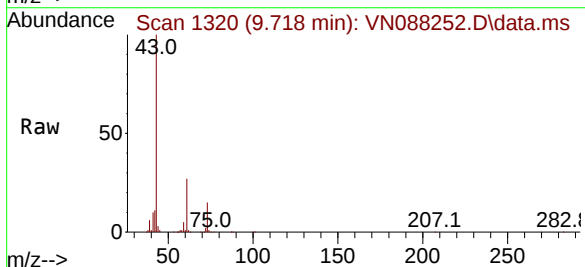
Instrument :
MSVOA_N
ClientSampleId :
VNJ-240

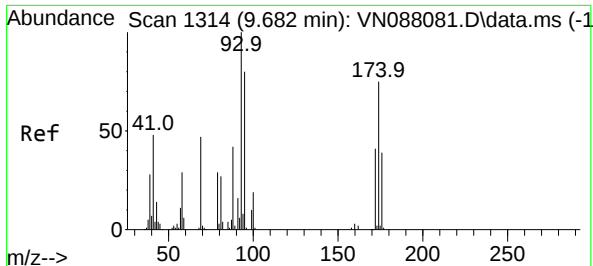
Tgt Ion: 43 Resp: 28500
Ion Ratio Lower Upper
43 100
61 18.5 18.8 28.2#
87 12.3 9.6 14.4



#48
Methyl methacrylate
Concen: 25.198 ug/l
RT: 9.718 min Scan# 1320
Delta R.T. 0.053 min
Lab File: VN088252.D
Acq: 11 Nov 2025 13:23

Tgt Ion: 41 Resp: 127247
Ion Ratio Lower Upper
41 100
69 0.2 62.7 94.1#
39 58.2 52.9 79.3





#49

1,4-Dioxane

Concen: 1.911 ug/l

RT: 9.718 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN088252.D

Acq: 11 Nov 2025 13:23

Instrument :

MSVOA_N

ClientSampleId :

VNJ-240

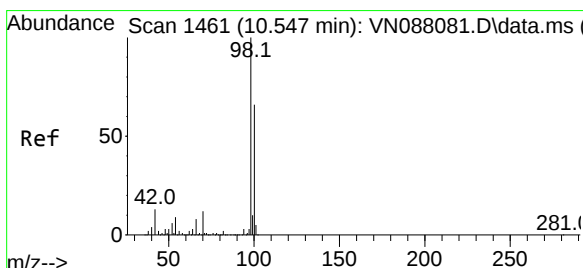
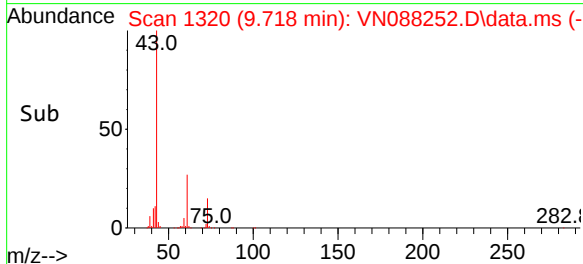
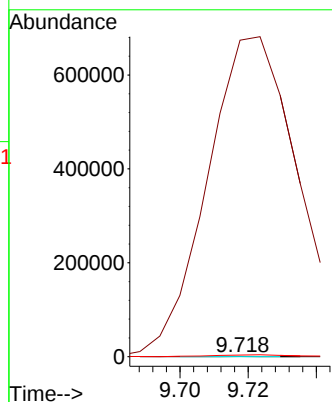
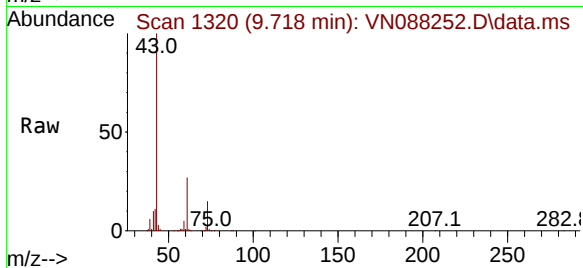
Tgt Ion: 88 Resp: 120

Ion Ratio Lower Upper

88 100

43 1099730.8 0.0 0.0#

58 6046.7 57.9 86.9#



#50

Toluene-d8

Concen: 47.910 ug/l

RT: 10.541 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VN088252.D

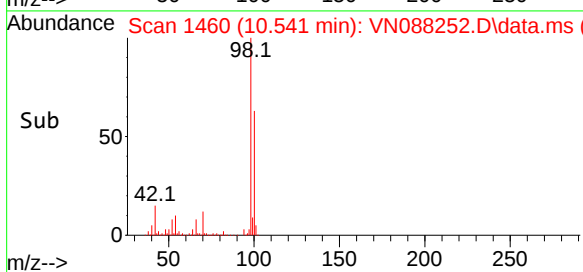
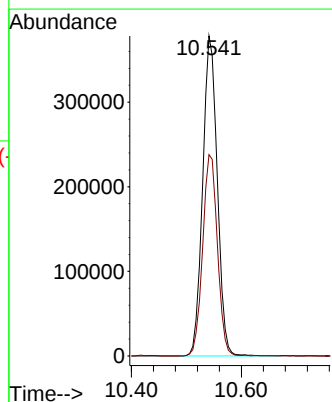
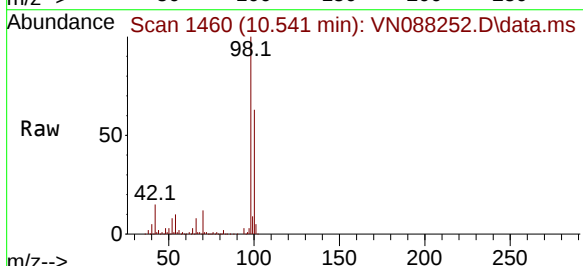
Acq: 11 Nov 2025 13:23

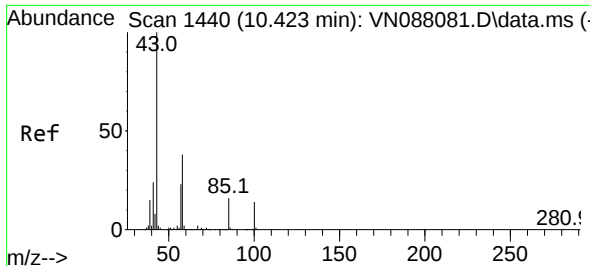
Tgt Ion: 98 Resp: 697398

Ion Ratio Lower Upper

98 100

100 63.7 52.8 79.2

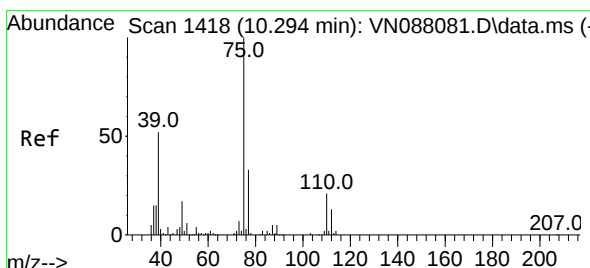
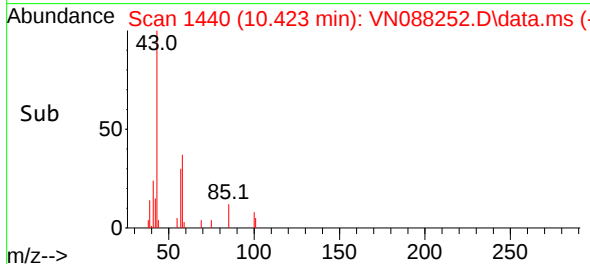
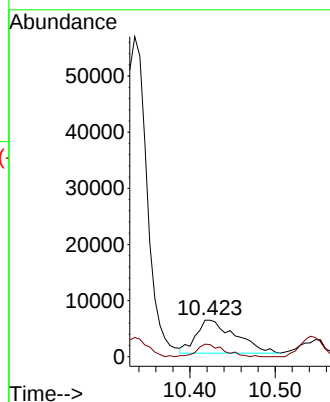
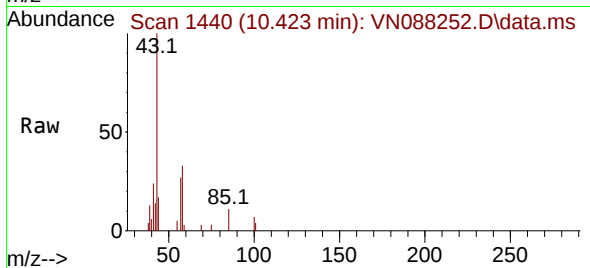




#51
4-Methyl-2-Pentanone
Concen: 2.931 ug/l
RT: 10.423 min Scan# 1440
Delta R.T. -0.000 min
Lab File: VN088252.D
Acq: 11 Nov 2025 13:23

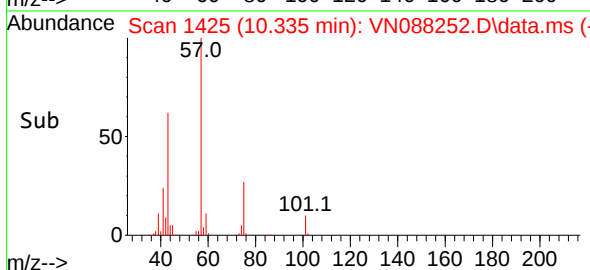
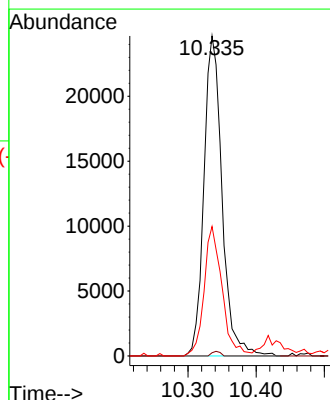
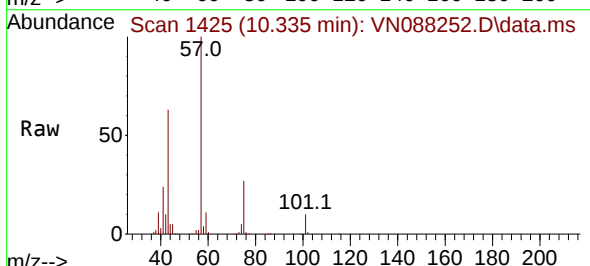
Instrument :
MSVOA_N
ClientSampleId :
VNJ-240

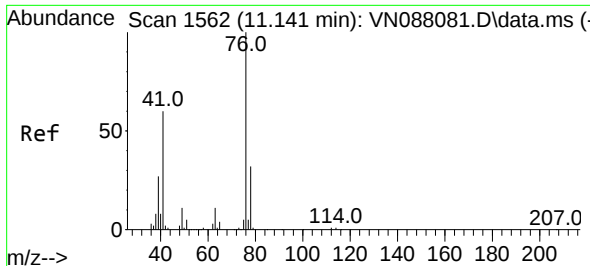
Tgt Ion: 43 Resp: 18967
Ion Ratio Lower Upper
43 100
58 25.9 29.6 44.4#



#54
cis-1,3-Dichloropropene
Concen: 6.673 ug/l
RT: 10.335 min Scan# 1425
Delta R.T. 0.047 min
Lab File: VN088252.D
Acq: 11 Nov 2025 13:23

Tgt Ion: 75 Resp: 45640
Ion Ratio Lower Upper
75 100
77 1.0 24.6 37.0#
39 40.5 45.2 67.8#

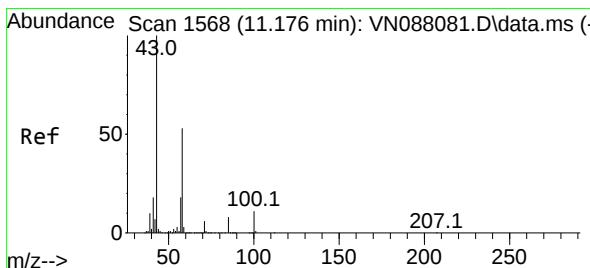
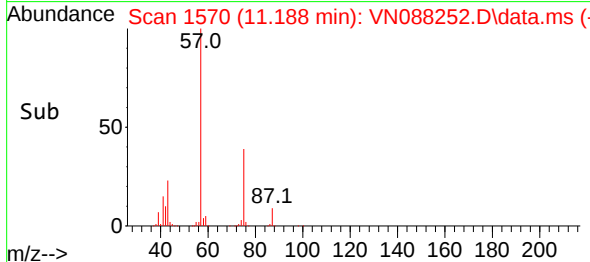
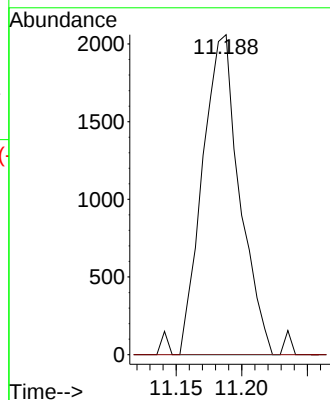
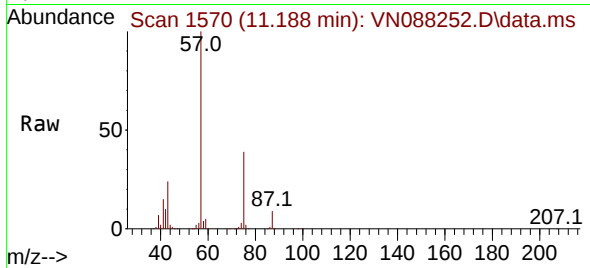




#57
1,3-Dichloropropane
Concen: 0.587 ug/l
RT: 11.188 min Scan# 1569
Delta R.T. 0.047 min
Lab File: VN088252.D
Acq: 11 Nov 2025 13:23

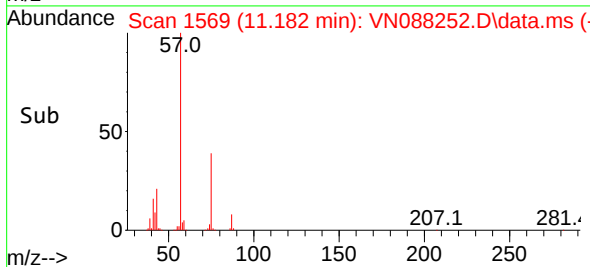
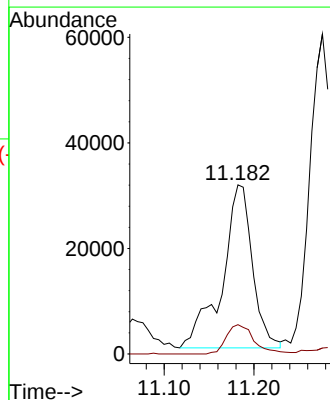
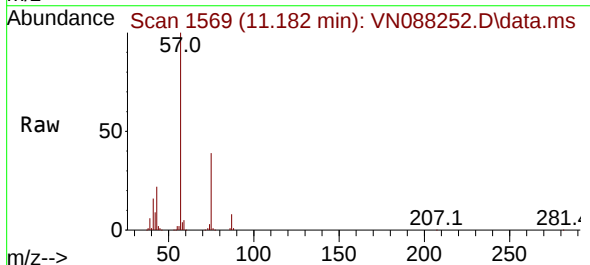
Instrument :
MSVOA_N
ClientSampleId :
VNJ-240

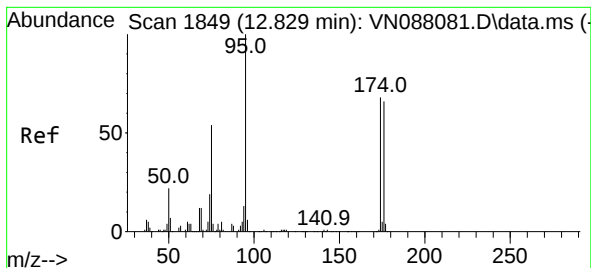
Tgt Ion: 76 Resp: 4055
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.4#



#59
2-Hexanone
Concen: 16.923 ug/l
RT: 11.182 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VN088252.D
Acq: 11 Nov 2025 13:23

Tgt Ion: 43 Resp: 72642
Ion Ratio Lower Upper
43 100
58 16.5 25.9 77.8#

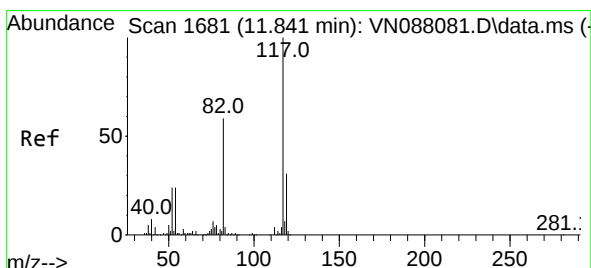
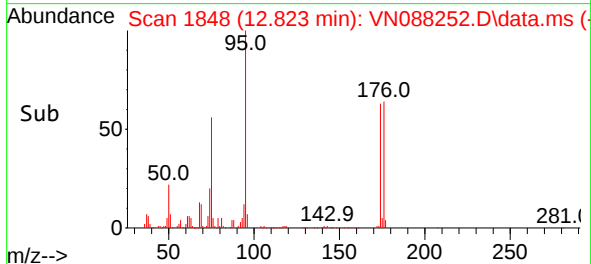
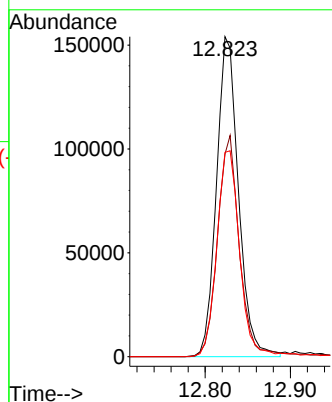
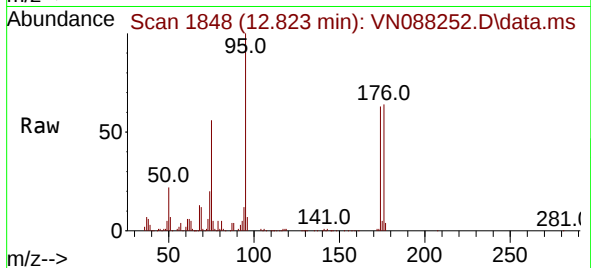




#62
4-Bromofluorobenzene
Concen: 53.750 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VN088252.D
Acq: 11 Nov 2025 13:23

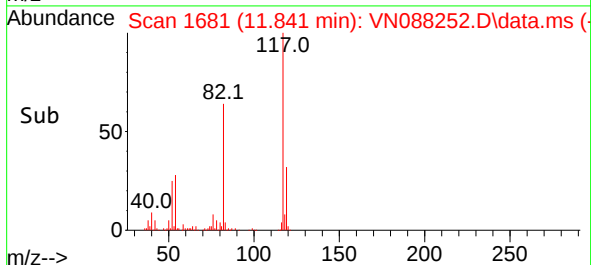
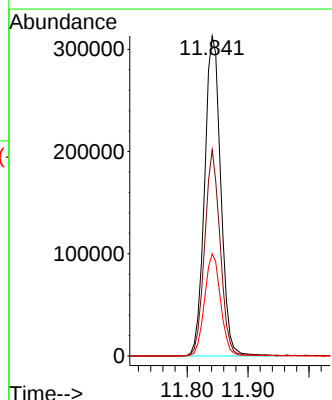
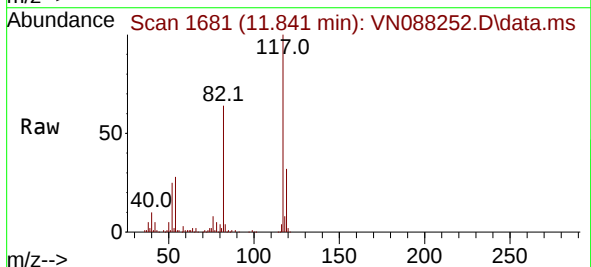
Instrument :
MSVOA_N
ClientSampleId :
VNJ-240

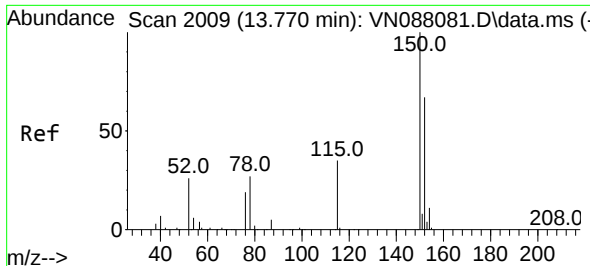
Tgt Ion: 95 Resp: 276319
Ion Ratio Lower Upper
95 100
174 68.9 0.0 138.4
176 67.2 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088252.D
Acq: 11 Nov 2025 13:23

Tgt Ion: 117 Resp: 577602
Ion Ratio Lower Upper
117 100
82 64.4 47.4 71.2
119 31.9 24.3 36.5

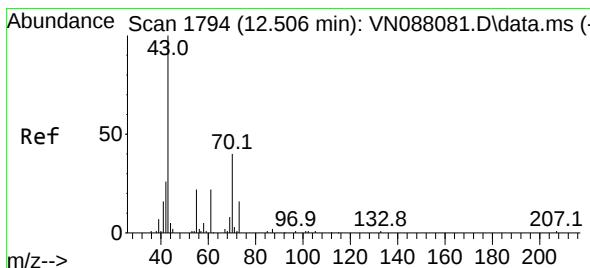
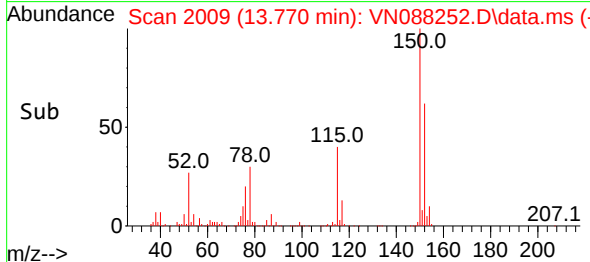
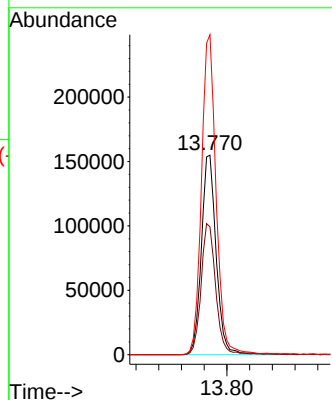
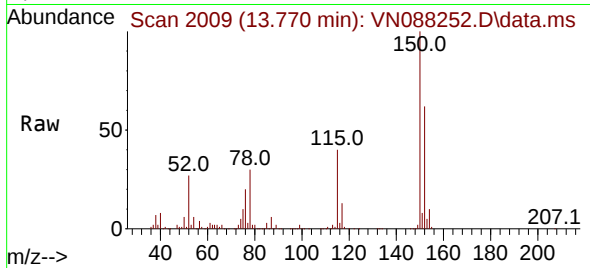




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. 0.006 min
 Lab File: VN088252.D
 Acq: 11 Nov 2025 13:23

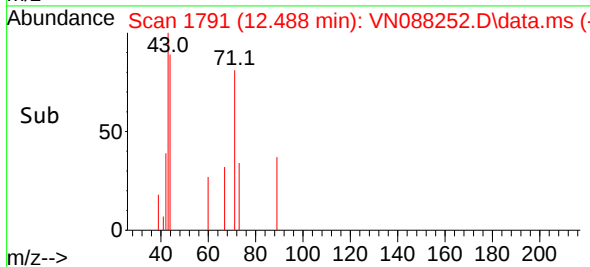
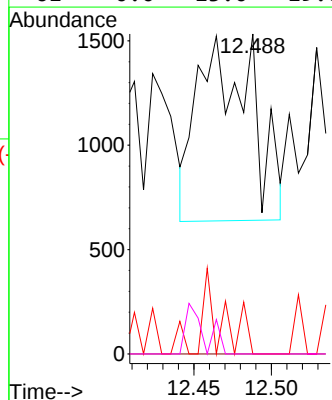
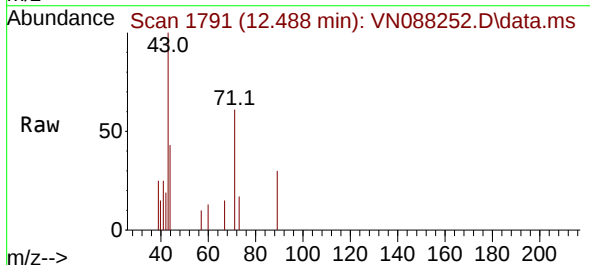
Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-240

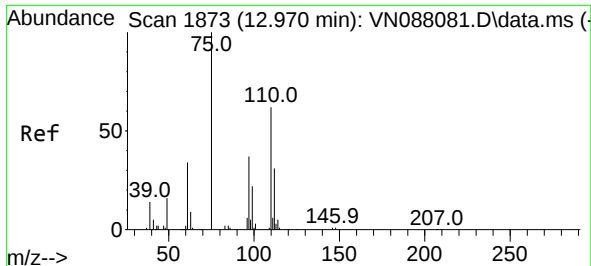
Tgt Ion:152 Resp: 280457
 Ion Ratio Lower Upper
 152 100
 115 64.8 32.3 96.8
 150 157.7 0.0 351.0



#74
 N-ethyl acetate
 Concen: 0.347 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.012 min
 Lab File: VN088252.D
 Acq: 11 Nov 2025 13:23

Tgt Ion: 43 Resp: 2128
 Ion Ratio Lower Upper
 43 100
 70 0.0 27.6 41.4#
 55 0.0 13.0 19.6#
 61 0.0 13.0 19.6#

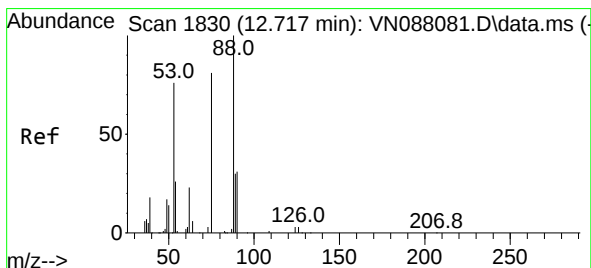
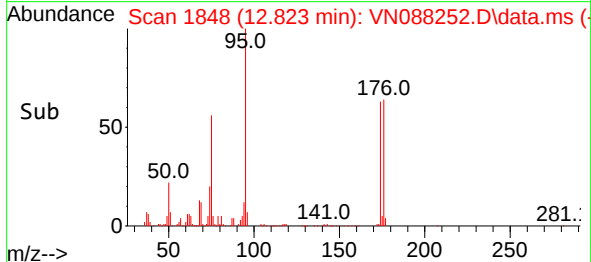
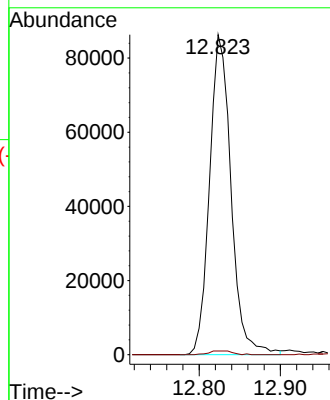
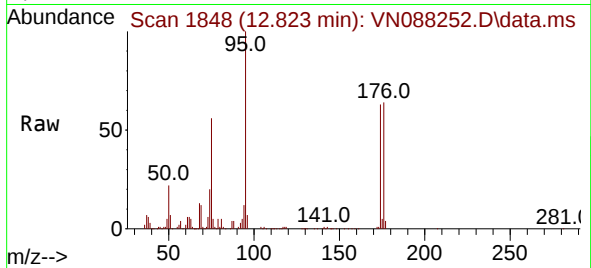




#76
1,2,3-Trichloropropane
Concen: 24.753 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.147 min
Lab File: VN088252.D
Acq: 11 Nov 2025 13:23

Instrument :
MSVOA_N
ClientSampleId :
VNJ-240

Tgt Ion: 75 Resp: 158720
Ion Ratio Lower Upper
75 100
77 1.3 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.050 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.106 min
Lab File: VN088252.D
Acq: 11 Nov 2025 13:23

Tgt Ion: 75 Resp: 158720
Ion Ratio Lower Upper
75 100
53 0.1 101.8 152.6#
89 0.1 35.6 53.4#

