

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111125\
 Data File : VN088251.D
 Acq On : 11 Nov 2025 13:03
 Operator : JC\MD
 Sample : Q3581-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-245

Quant Time: Nov 12 01:14:28 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)

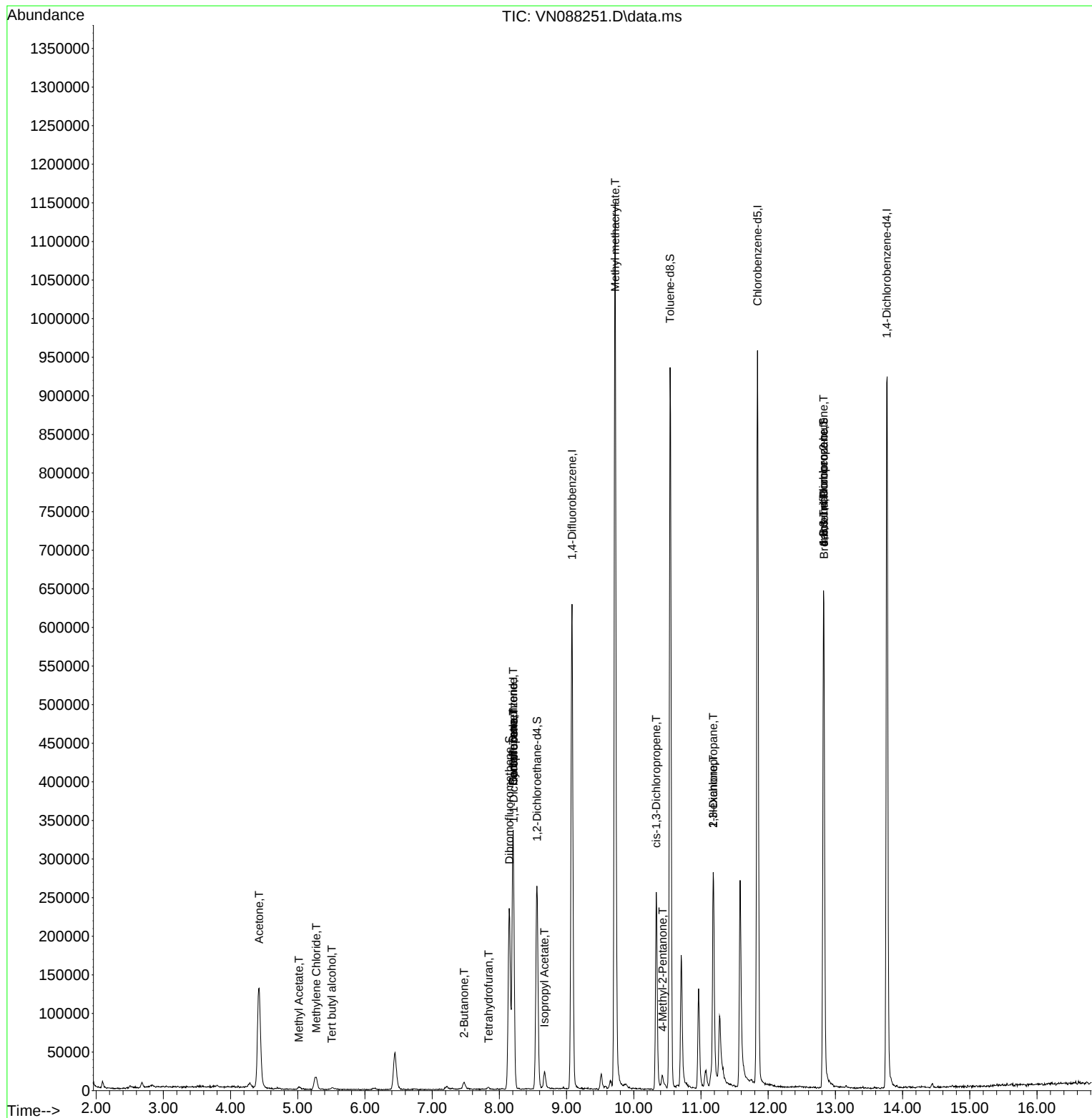
Internal Standards						
1) Pentafluorobenzene	8.206	168	220001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	508325	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	502966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.764	152	242799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	223627	58.783	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.560%			
35) Dibromofluoromethane	8.147	113	163537	47.888	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.780%			
50) Toluene-d8	10.541	98	616071	46.820	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.640%			
62) 4-Bromofluorobenzene	12.823	95	236225	50.833	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.660%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.506	59	2085	3.181	ug/l #	88
16) Acetone	4.424	43	273419	143.060	ug/l	96
18) Methyl Acetate	5.018	43	7117	1.819	ug/l #	82
20) Methylene Chloride	5.277	84	13244	4.128	ug/l #	82
25) 2-Butanone	7.477	43	18540	7.361	ug/l #	89
29) Tetrahydrofuran	7.841	42	1458	0.888	ug/l #	81
31) Cyclohexane	8.206	56	6701	1.258	ug/l #	28
36) 1,1-Dichloropropene	8.212	75	21568	4.326	ug/l #	53
38) Carbon Tetrachloride	8.206	117	26464	5.139	ug/l #	14
43) Isopropyl Acetate	8.671	43	27962	2.828	ug/l #	90
48) Methyl methacrylate	9.723	41	113065	24.768	ug/l #	47
51) 4-Methyl-2-Pentanone	10.429	43	19736	3.374	ug/l #	77
54) cis-1,3-Dichloropropene	10.335	75	43774	7.080	ug/l #	64
57) 1,3-Dichloropropane	11.182	76	3337	0.534	ug/l #	42
59) 2-Hexanone	11.182	43	61866	15.944	ug/l #	51
71) Bromoform	12.829	173	1725	0.618	ug/l #	1
76) 1,2,3-Trichloropropane	12.823	75	139017	25.043	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.823	75	139017	69.858	ug/l #	1

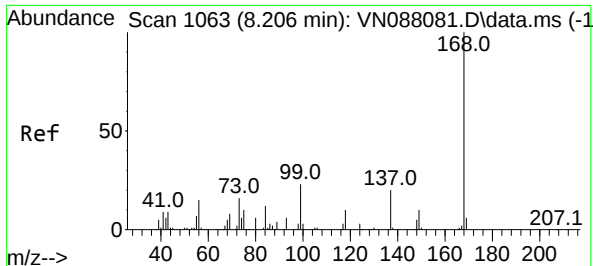
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

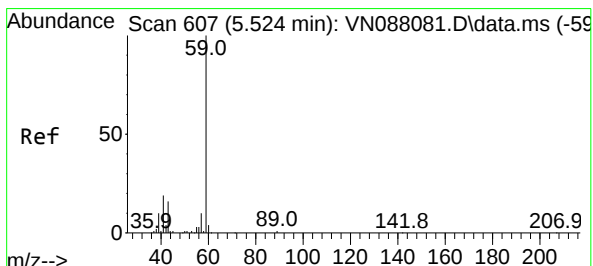
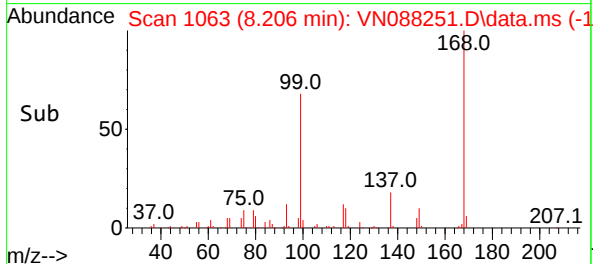
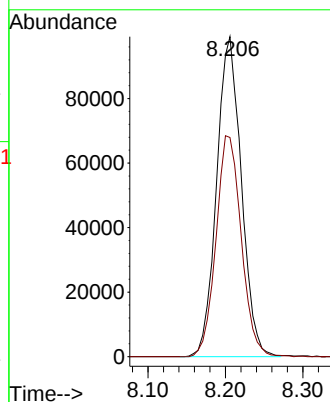
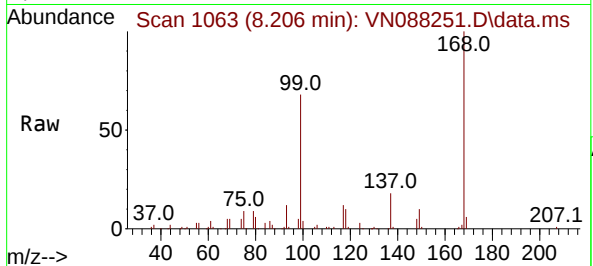




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088251.D
Acq: 11 Nov 2025 13:03

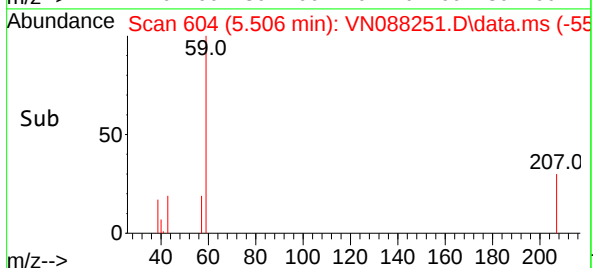
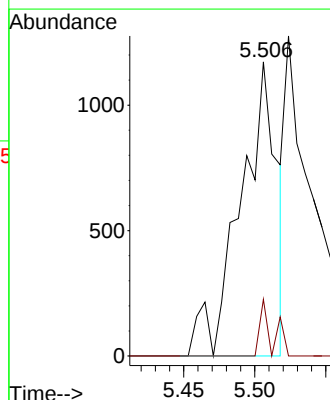
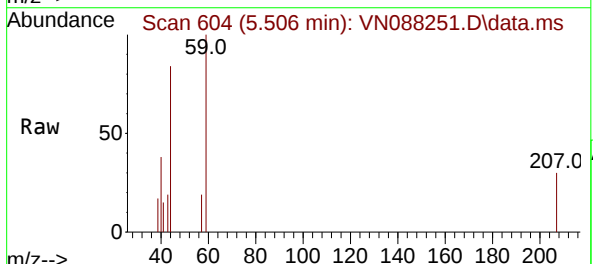
Instrument :
MSVOA_N
ClientSampleId :
VNJ-245

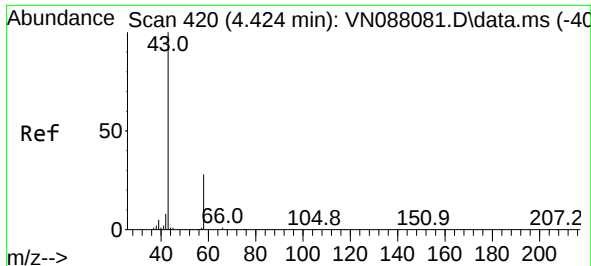
Tgt Ion:168 Resp: 220001
Ion Ratio Lower Upper
168 100
99 68.5 57.2 85.8



#11
Tert butyl alcohol
Concen: 3.181 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.012 min
Lab File: VN088251.D
Acq: 11 Nov 2025 13:03

Tgt Ion: 59 Resp: 2085
Ion Ratio Lower Upper
59 100
57 6.5 9.0 13.4#

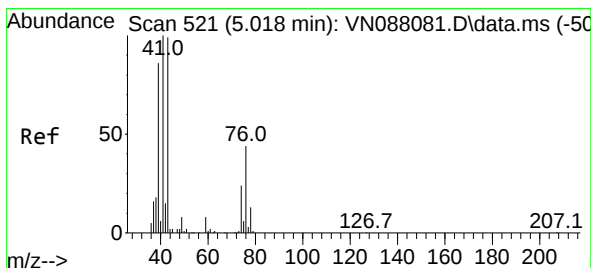
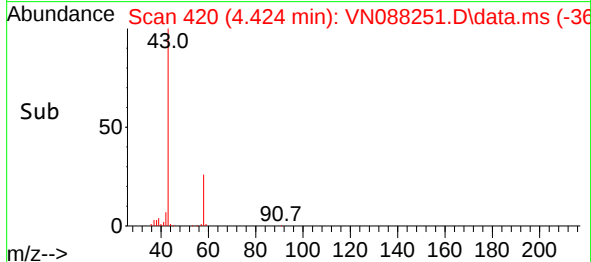
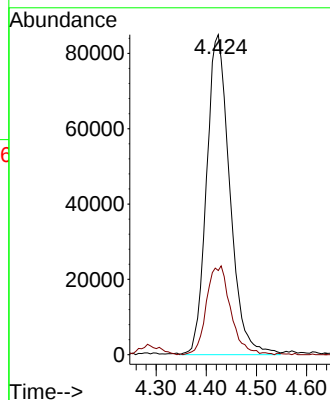
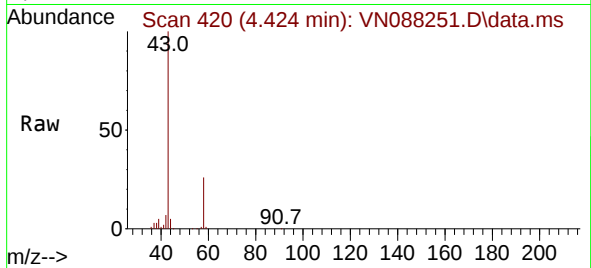




#16
Acetone
Concen: 143.060 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN088251.D
Acq: 11 Nov 2025 13:03

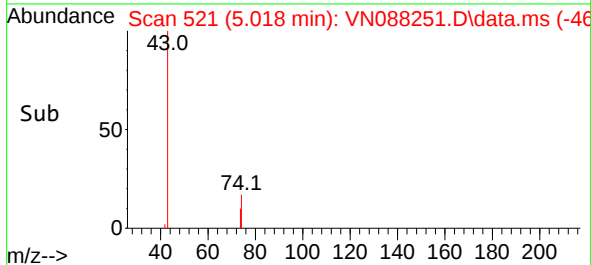
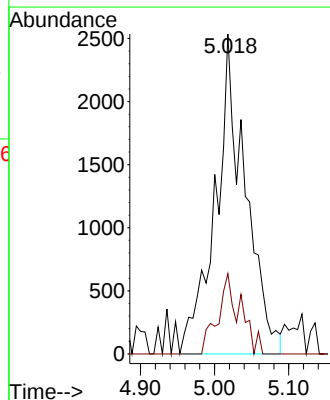
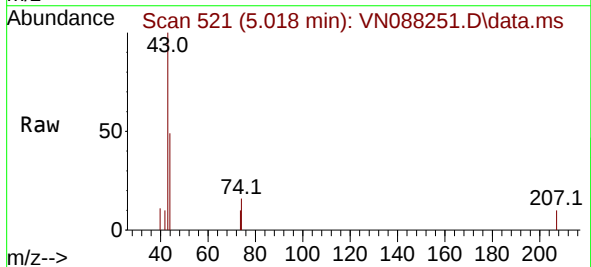
Instrument :
MSVOA_N
ClientSampleId :
VNJ-245

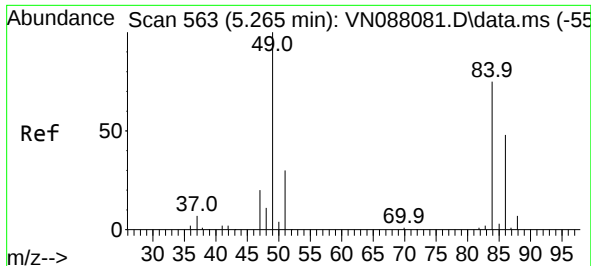
Tgt Ion: 43 Resp: 273419
Ion Ratio Lower Upper
43 100
58 26.0 22.6 33.8



#18
Methyl Acetate
Concen: 1.819 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN088251.D
Acq: 11 Nov 2025 13:03

Tgt Ion: 43 Resp: 7117
Ion Ratio Lower Upper
43 100
74 13.2 17.6 26.4#

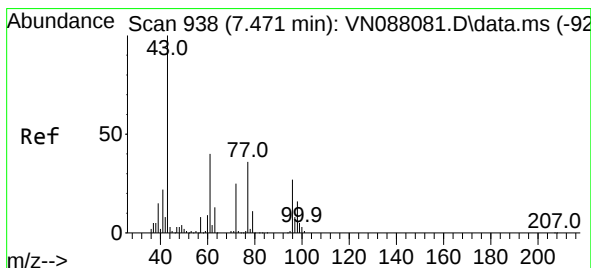
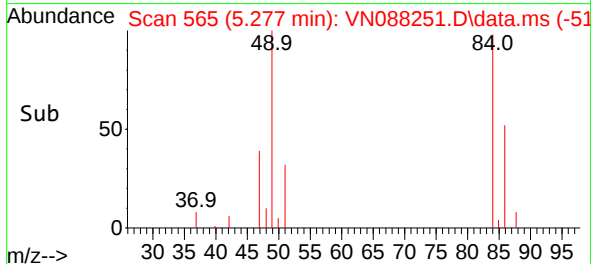
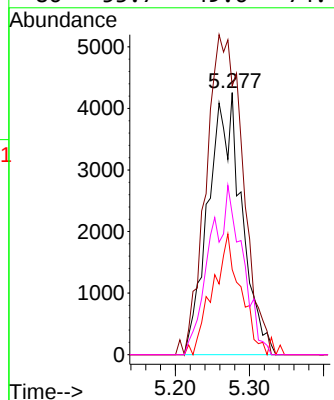
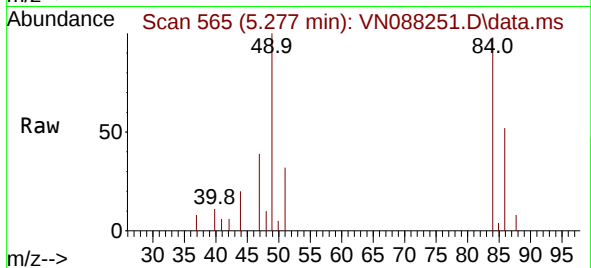




#20
Methylene Chloride
Concen: 4.128 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN088251.D
Acq: 11 Nov 2025 13:03

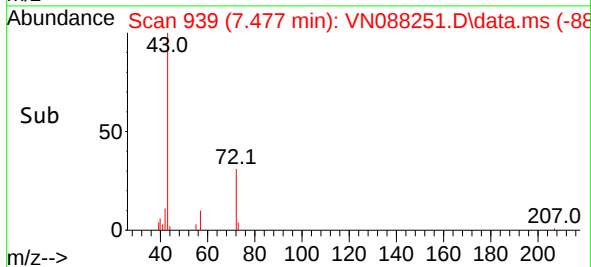
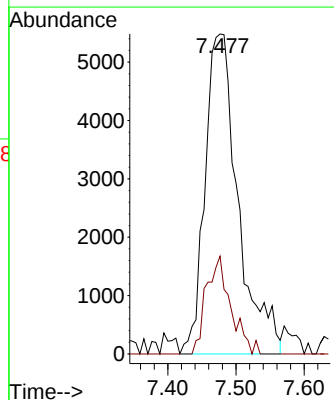
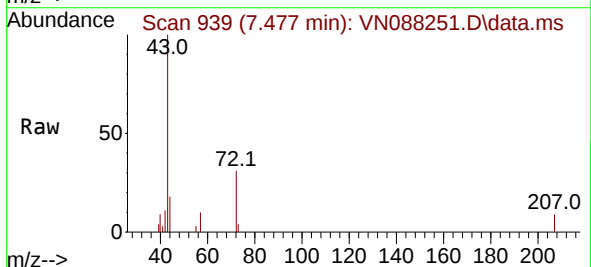
Instrument :
MSVOA_N
ClientSampleId :
VNJ-245

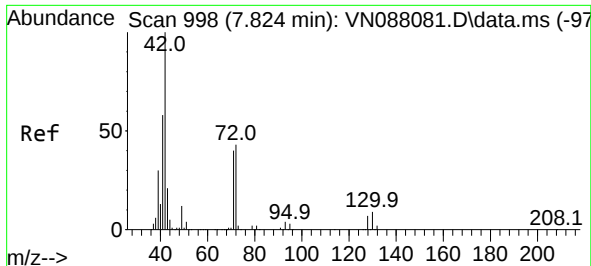
Tgt Ion: 84	Resp: 13244		
Ion	Ratio	Lower	Upper
84	100		
49	102.5	103.4	155.2#
51	32.5	33.8	50.8#
86	53.7	49.6	74.4



#25
2-Butanone
Concen: 7.361 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.012 min
Lab File: VN088251.D
Acq: 11 Nov 2025 13:03

Tgt Ion: 43	Resp: 18540
Ion Ratio	Lower Upper
43 100	
72 30.6	19.9 29.9#





#29

Tetrahydrofuran

Concen: 0.888 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.017 min

Lab File: VN088251.D

Acq: 11 Nov 2025 13:03

Instrument :

MSVOA_N

ClientSampleId :

VNJ-245

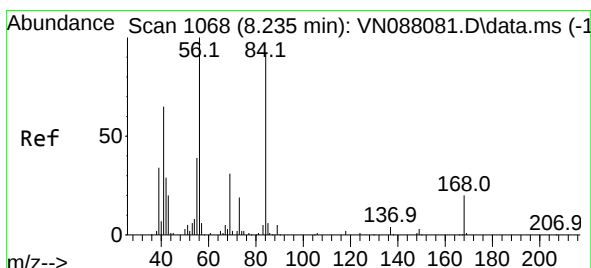
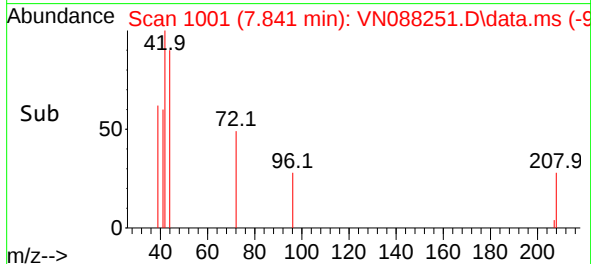
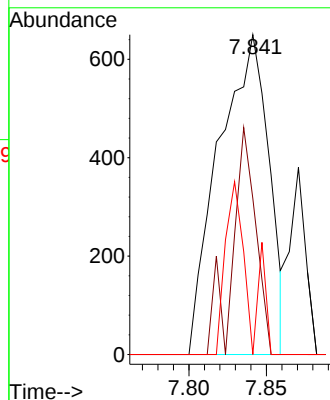
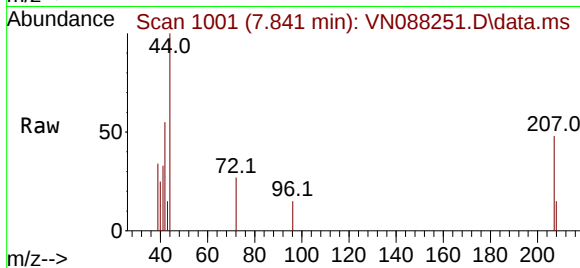
Tgt Ion: 42 Resp: 1458

Ion Ratio Lower Upper

42 100

72 33.3 33.7 50.5#

71 24.7 31.9 47.9#



#31

Cyclohexane

Concen: 1.258 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.030 min

Lab File: VN088251.D

Acq: 11 Nov 2025 13:03

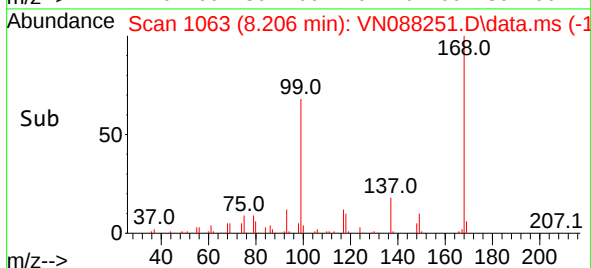
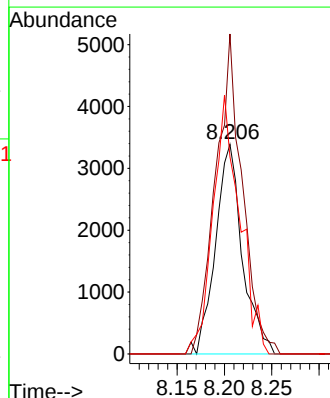
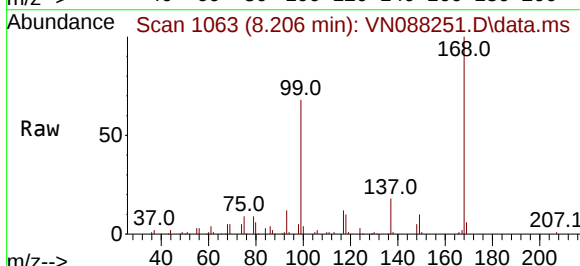
Tgt Ion: 56 Resp: 6701

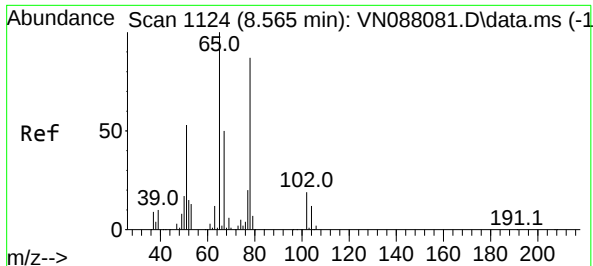
Ion Ratio Lower Upper

56 100

69 152.6 23.7 35.5#

84 94.0 64.7 97.1





#33

1,2-Dichloroethane-d4

Concen: 58.783 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088251.D

Acq: 11 Nov 2025 13:03

Instrument :

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ClientSampleId :

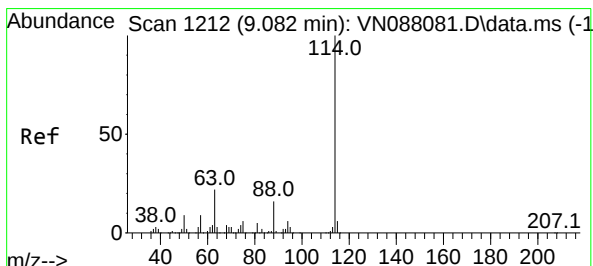
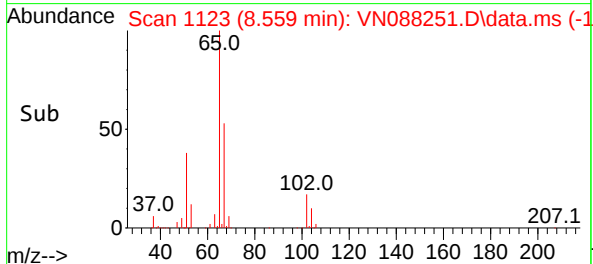
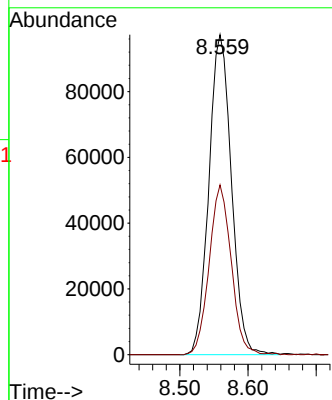
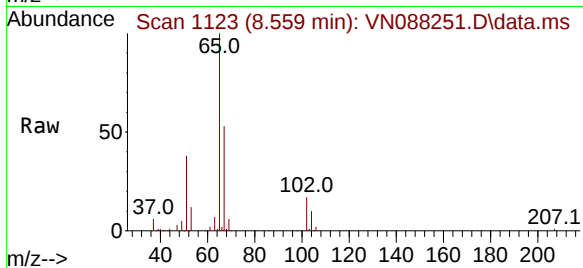
VNJ-245

Tgt Ion: 65 Resp: 223627

Ion Ratio Lower Upper

65 100

67 51.7 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: VN088251.D

Acq: 11 Nov 2025 13:03

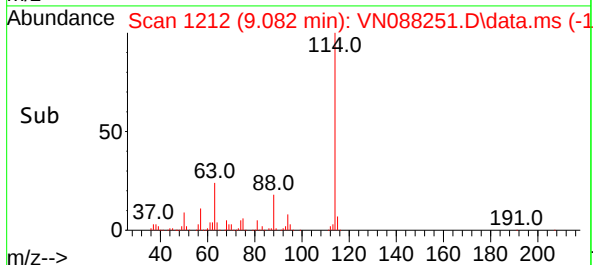
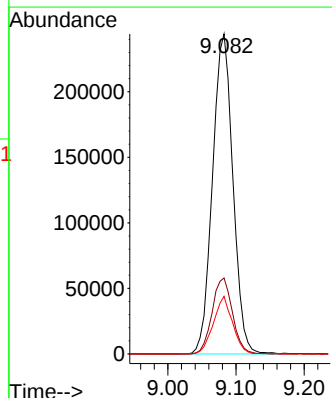
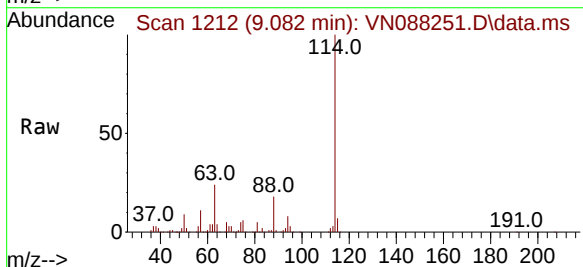
Tgt Ion: 114 Resp: 508325

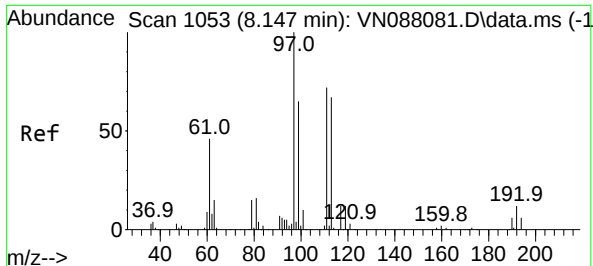
Ion Ratio Lower Upper

114 100

63 23.7 0.0 45.2

88 18.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 47.888 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088251.D

Acq: 11 Nov 2025 13:03

Instrument :

MSVOA_N

ClientSampleId :

VNJ-245

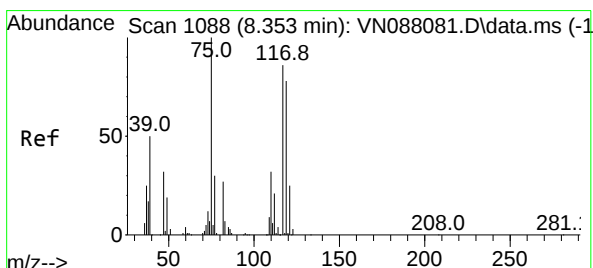
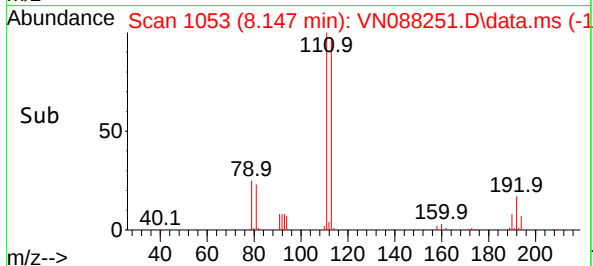
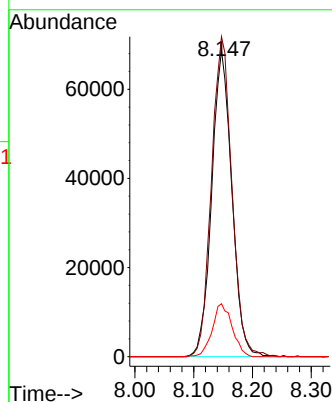
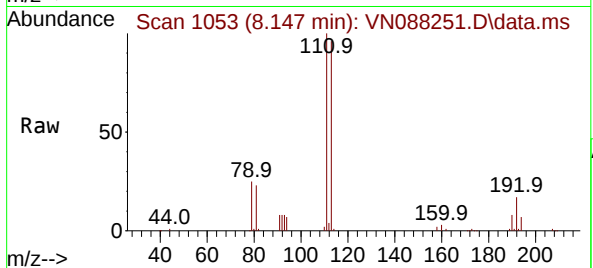
Tgt Ion:113 Resp: 163537

Ion Ratio Lower Upper

113 100

111 106.0 82.8 124.2

192 17.1 12.8 19.2



#36

1,1-Dichloropropene

Concen: 4.326 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.141 min

Lab File: VN088251.D

Acq: 11 Nov 2025 13:03

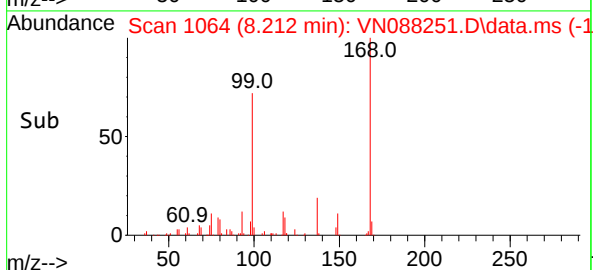
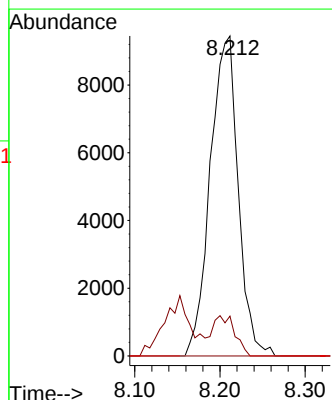
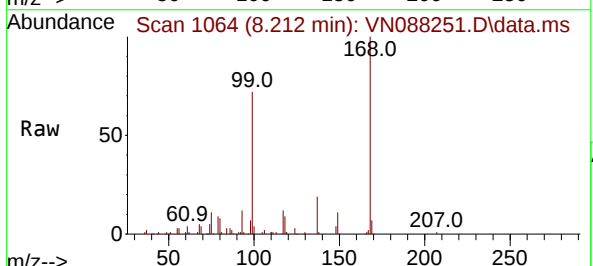
Tgt Ion: 75 Resp: 21568

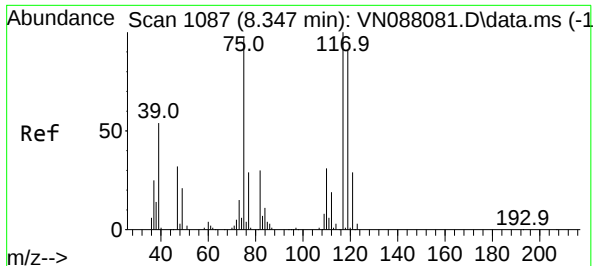
Ion Ratio Lower Upper

75 100

110 10.2 15.9 47.6#

77 0.0 24.4 36.6#

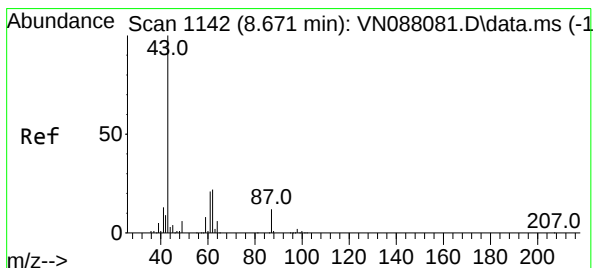
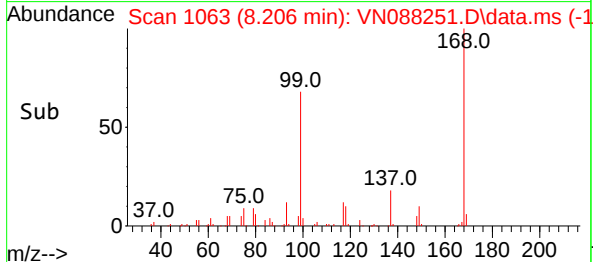
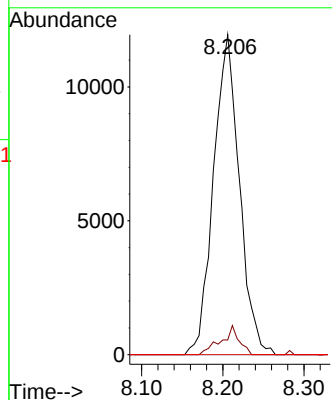
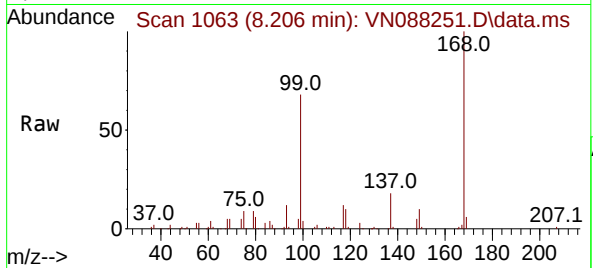




#38
Carbon Tetrachloride
Concen: 5.139 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.136 min
Lab File: VN088251.D
Acq: 11 Nov 2025 13:03

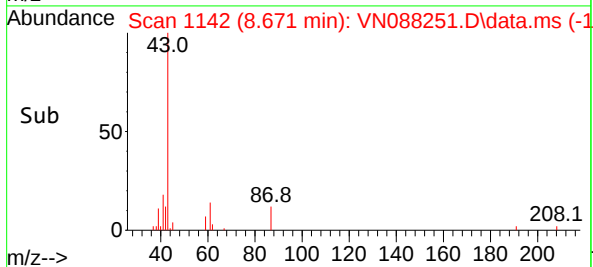
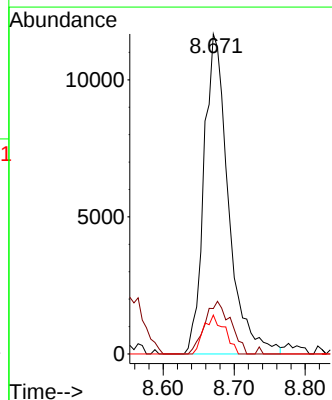
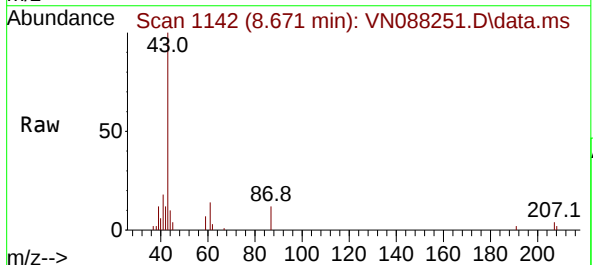
Instrument :
MSVOA_N
ClientSampleId :
VNJ-245

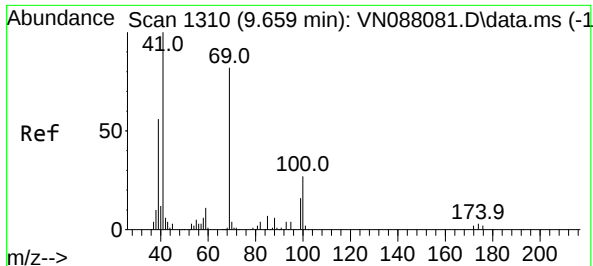
Tgt Ion:117 Resp: 26464
Ion Ratio Lower Upper
117 100
119 4.6 79.0 118.6#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 2.828 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN088251.D
Acq: 11 Nov 2025 13:03

Tgt Ion: 43 Resp: 27962
Ion Ratio Lower Upper
43 100
61 17.2 18.8 28.2#
87 10.4 9.6 14.4

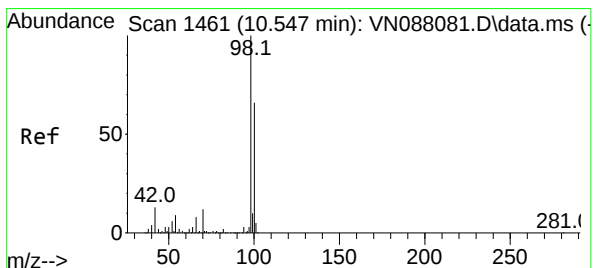
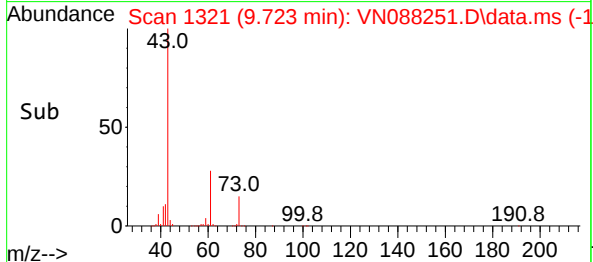
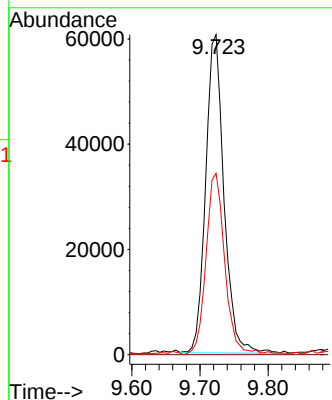
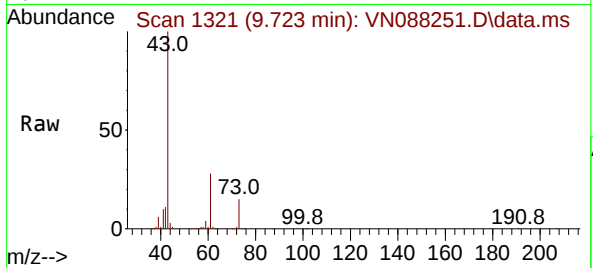




#48
Methyl methacrylate
Concen: 24.768 ug/l
RT: 9.723 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN088251.D
Acq: 11 Nov 2025 13:03

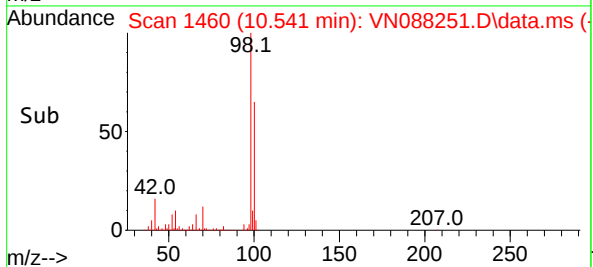
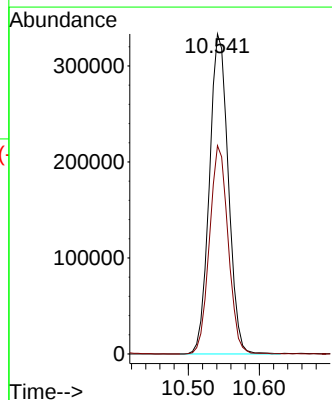
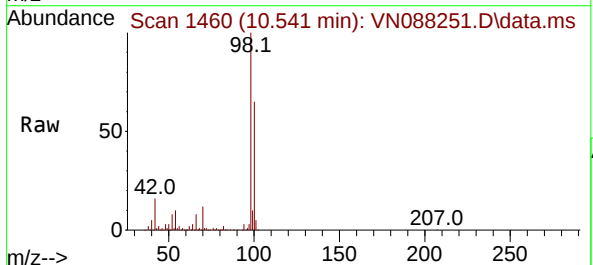
Instrument :
MSVOA_N
ClientSampleId :
VNJ-245

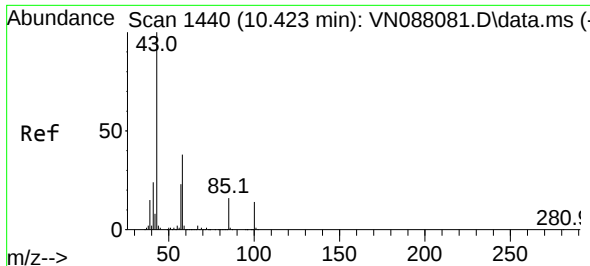
Tgt Ion: 41 Resp: 113065
Ion Ratio Lower Upper
41 100
69 0.0 62.7 94.1#
39 58.4 52.9 79.3



#50
Toluene-d8
Concen: 46.820 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088251.D
Acq: 11 Nov 2025 13:03

Tgt Ion: 98 Resp: 616071
Ion Ratio Lower Upper
98 100
100 64.3 52.8 79.2

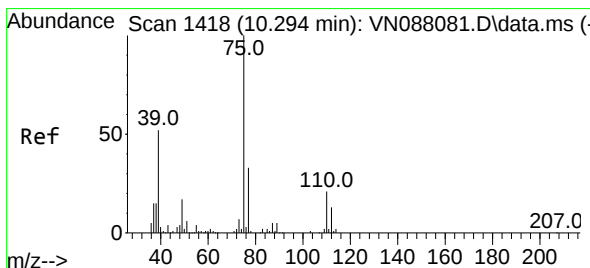
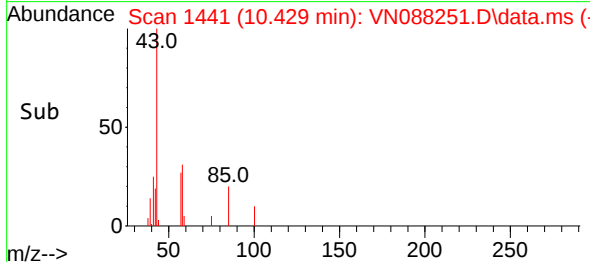
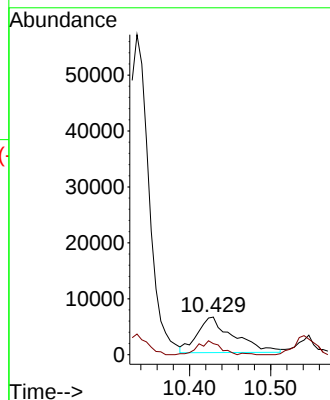
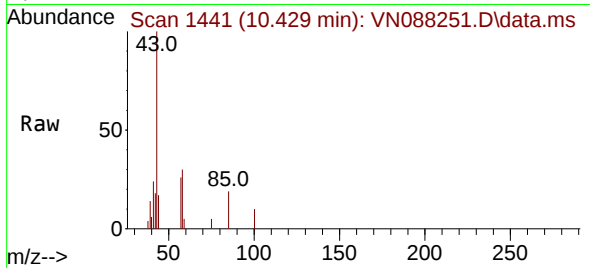




#51
4-Methyl-2-Pentanone
Concen: 3.374 ug/l
RT: 10.429 min Scan# 1440
Delta R.T. 0.006 min
Lab File: VN088251.D
Acq: 11 Nov 2025 13:03

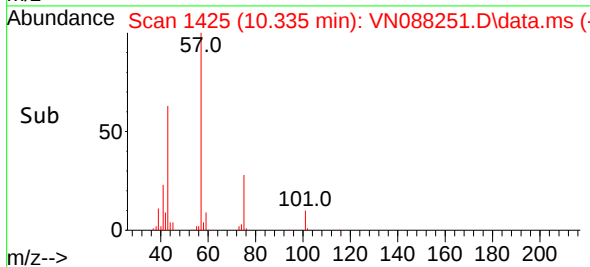
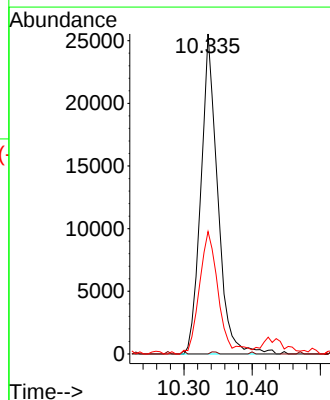
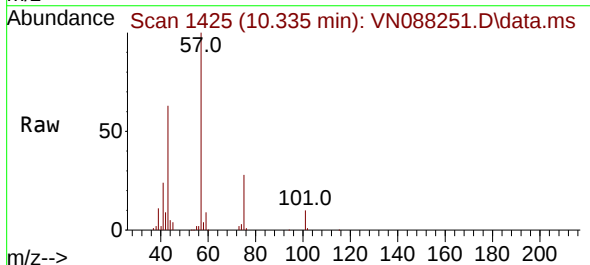
Instrument :
MSVOA_N
ClientSampleId :
VNJ-245

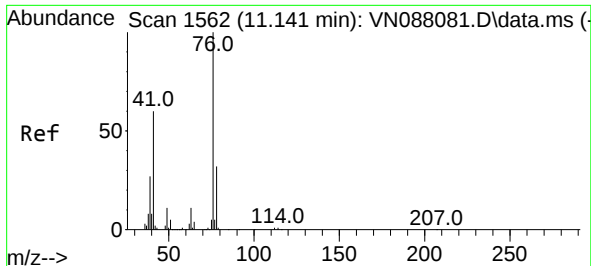
Tgt Ion: 43 Resp: 19736
Ion Ratio Lower Upper
43 100
58 23.4 29.6 44.4#



#54
cis-1,3-Dichloropropene
Concen: 7.080 ug/l
RT: 10.335 min Scan# 1425
Delta R.T. 0.047 min
Lab File: VN088251.D
Acq: 11 Nov 2025 13:03

Tgt Ion: 75 Resp: 43774
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 38.3 45.2 67.8#





#57

1,3-Dichloropropane

Concen: 0.534 ug/l

RT: 11.182 min Scan# 1569

Delta R.T. 0.041 min

Lab File: VN088251.D

Acq: 11 Nov 2025 13:03

Instrument :

MSVOA_N

ClientSampleId :

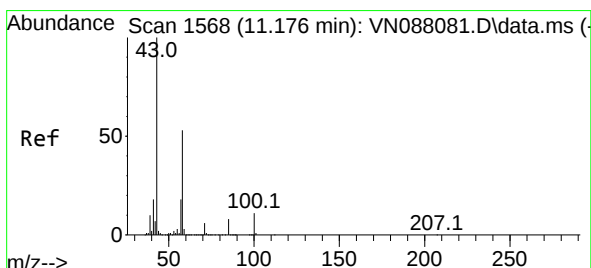
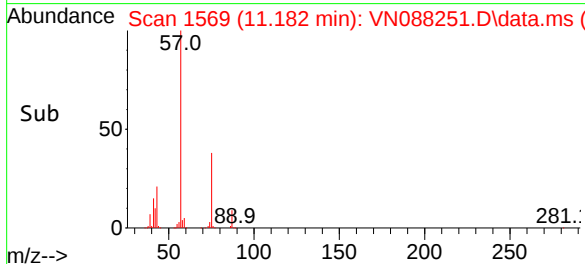
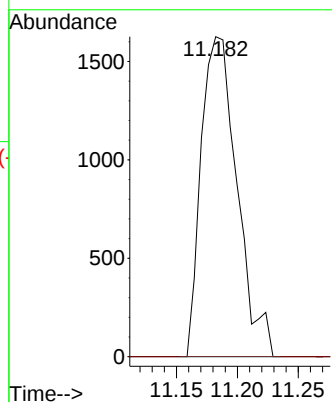
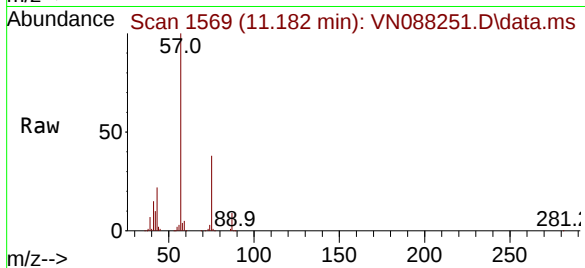
VNJ-245

Tgt Ion: 76 Resp: 3337

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.4#



#59

2-Hexanone

Concen: 15.944 ug/l

RT: 11.182 min Scan# 1569

Delta R.T. 0.006 min

Lab File: VN088251.D

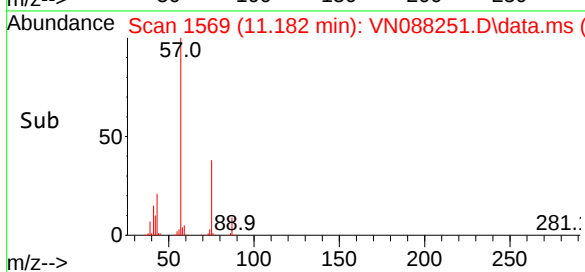
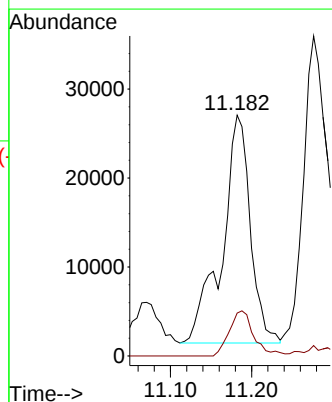
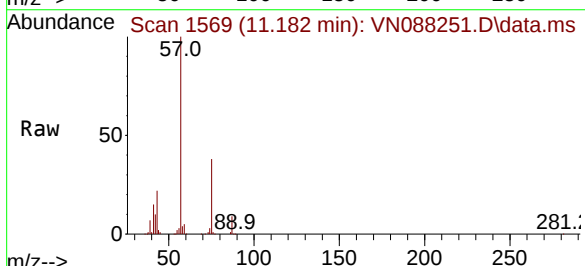
Acq: 11 Nov 2025 13:03

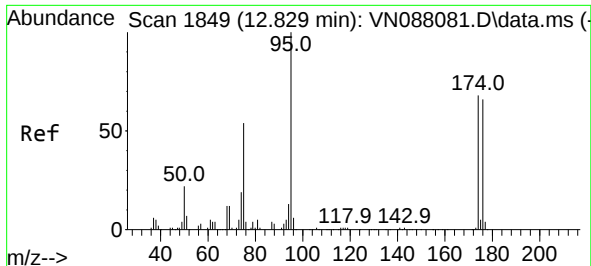
Tgt Ion: 43 Resp: 61866

Ion Ratio Lower Upper

43 100

58 17.2 25.9 77.8#

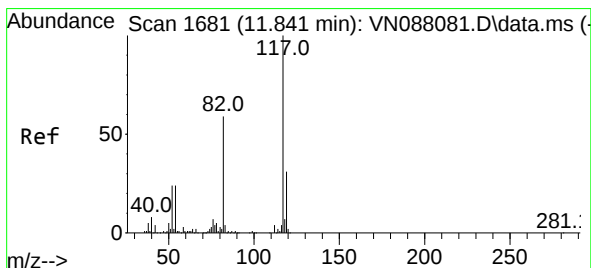
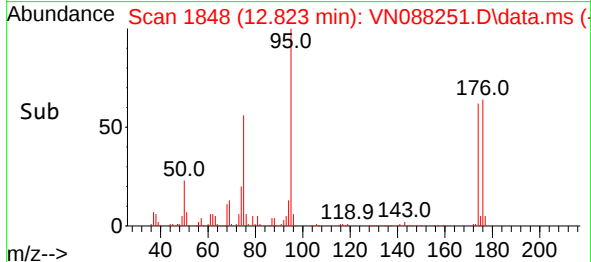
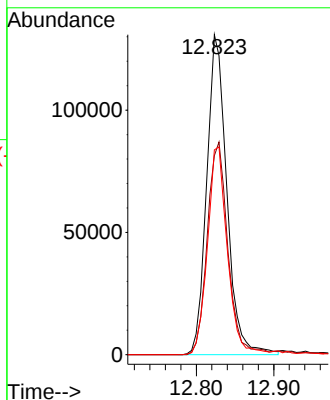
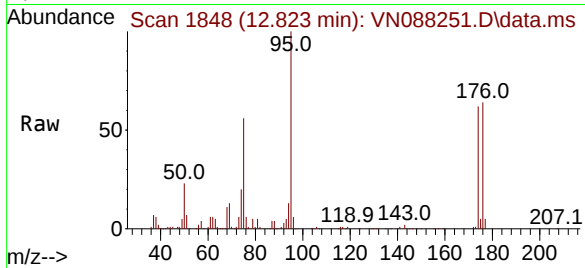




#62
4-Bromofluorobenzene
Concen: 50.833 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VN088251.D
Acq: 11 Nov 2025 13:03

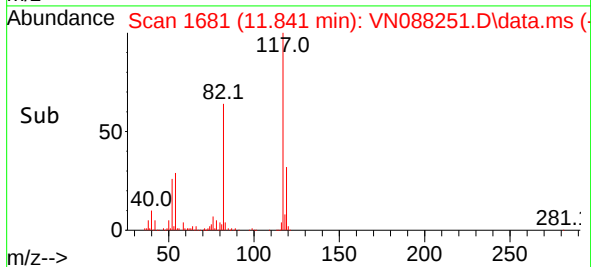
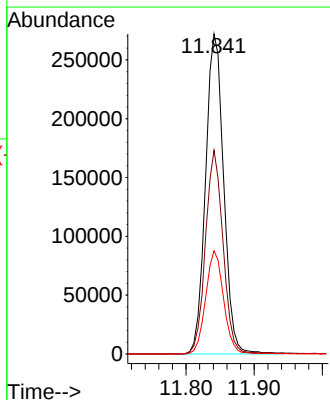
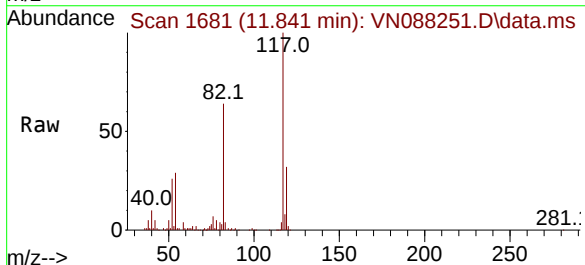
Instrument :
MSVOA_N
ClientSampleId :
VNJ-245

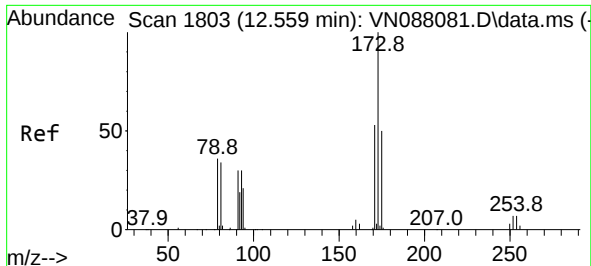
Tgt Ion: 95 Resp: 236225
Ion Ratio Lower Upper
95 100
174 68.3 0.0 138.4
176 64.3 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088251.D
Acq: 11 Nov 2025 13:03

Tgt Ion: 117 Resp: 502966
Ion Ratio Lower Upper
117 100
82 63.6 47.4 71.2
119 32.2 24.3 36.5

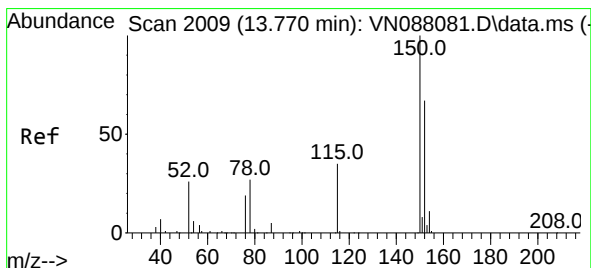
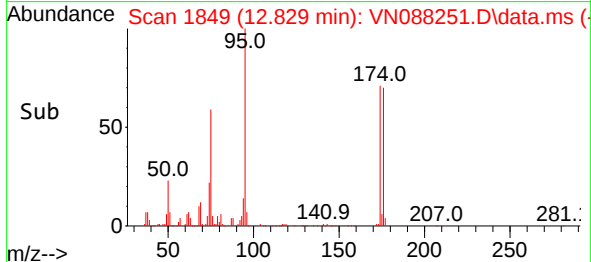
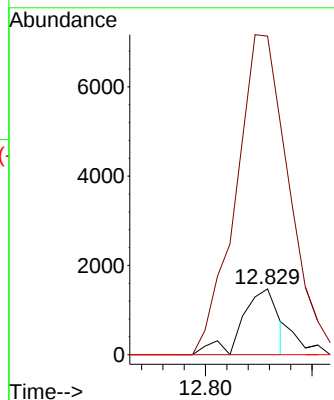
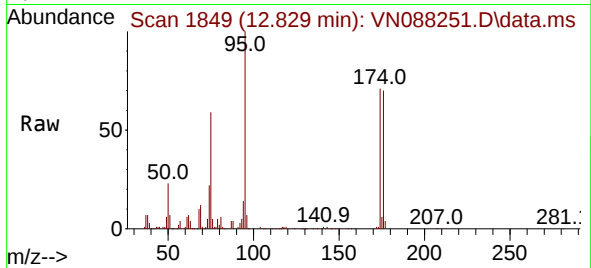




#71
Bromoform
Concen: 0.618 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.270 min
Lab File: VN088251.D
Acq: 11 Nov 2025 13:03

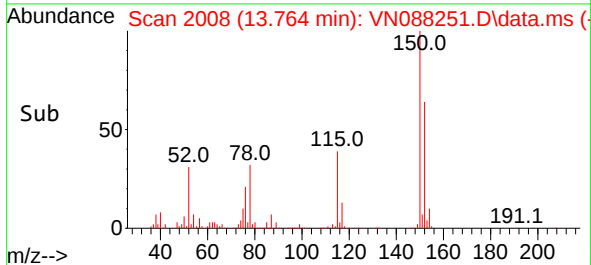
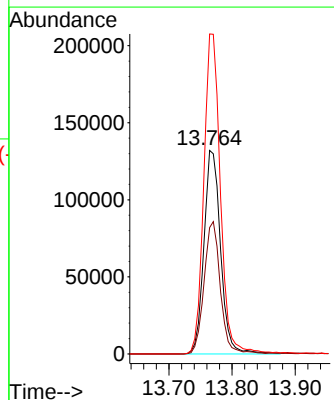
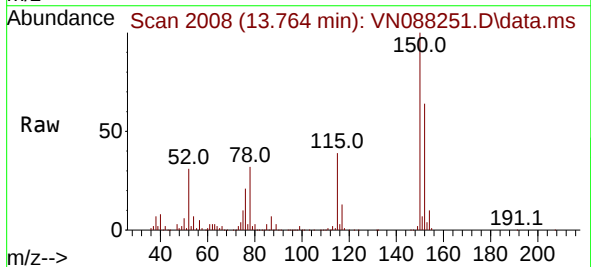
Instrument :
MSVOA_N
ClientSampleId :
VNJ-245

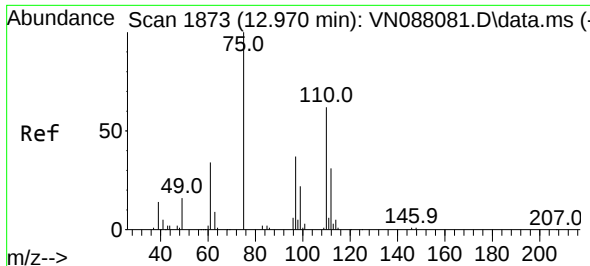
Tgt Ion:173 Resp: 1725
Ion Ratio Lower Upper
173 100
175 596.1 24.9 74.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.764 min Scan# 2008
Delta R.T. -0.000 min
Lab File: VN088251.D
Acq: 11 Nov 2025 13:03

Tgt Ion:152 Resp: 242799
Ion Ratio Lower Upper
152 100
115 63.4 32.3 96.8
150 156.7 0.0 351.0

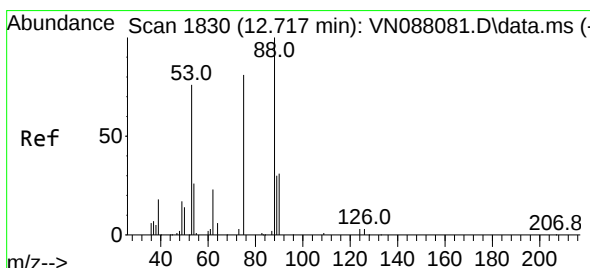
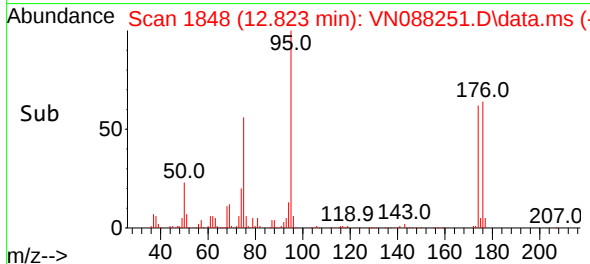
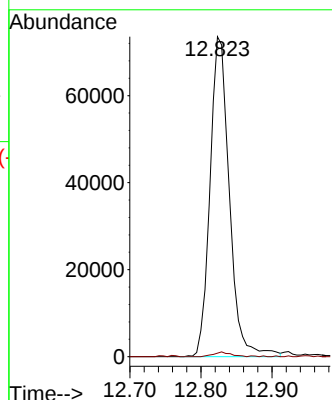
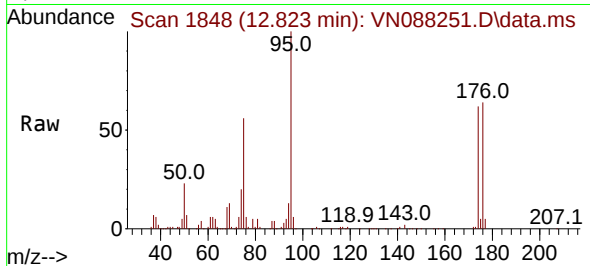




#76
1,2,3-Trichloropropane
Concen: 25.043 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.147 min
Lab File: VN088251.D
Acq: 11 Nov 2025 13:03

Instrument :
MSVOA_N
ClientSampleId :
VNJ-245

Tgt Ion: 75 Resp: 139017
Ion Ratio Lower Upper
75 100
77 1.3 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.858 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.106 min
Lab File: VN088251.D
Acq: 11 Nov 2025 13:03

Tgt Ion: 75 Resp: 139017
Ion Ratio Lower Upper
75 100
53 0.1 101.8 152.6#
89 0.1 35.6 53.4#

