

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
 Data File : VN084547.D
 Acq On : 28 Oct 2024 18:17
 Operator : JC\MD
 Sample : P4545-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-215

Quant Time: Oct 29 01:32:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

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

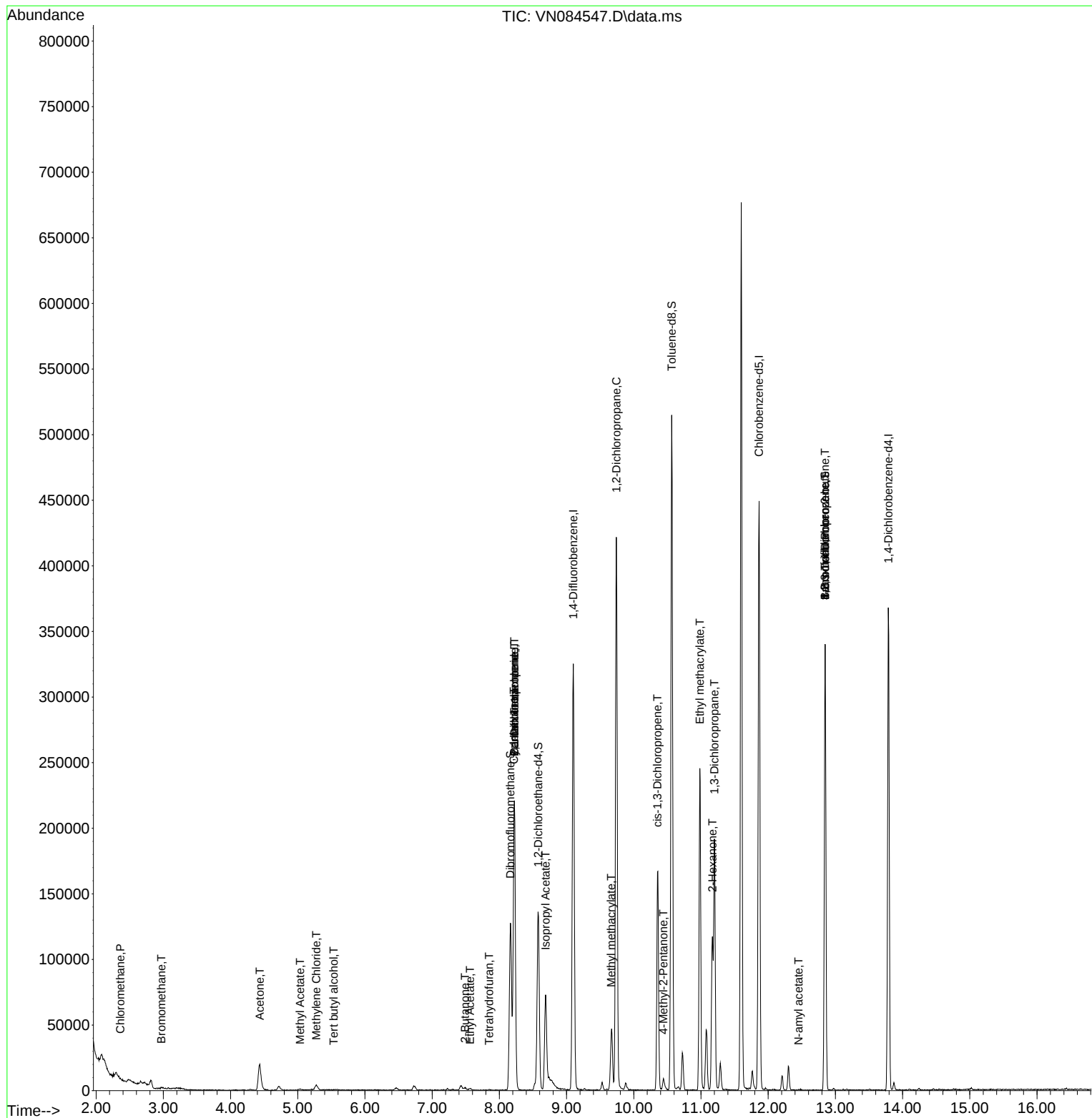
Internal Standards						
1) Pentafluorobenzene	8.224	168	158440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	280484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	259107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	99602	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	115859	49.319	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.640%		
35) Dibromofluoromethane	8.165	113	90938	49.179	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.360%		
50) Toluene-d8	10.565	98	353124	51.906	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.820%		
62) 4-Bromofluorobenzene	12.847	95	116528	47.017	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.040%		
Target Compounds						Qvalue
3) Chloromethane	2.359	50	516	0.241	ug/l #	41
5) Bromomethane	2.971	94	622	0.455	ug/l #	4
11) Tert butyl alcohol	5.536	59	210	0.542	ug/l #	73
16) Acetone	4.436	43	38823	38.471	ug/l	97
18) Methyl Acetate	5.036	43	1397	0.635	ug/l #	60
20) Methylene Chloride	5.277	84	2813	1.371	ug/l	91
25) 2-Butanone	7.488	43	3389	2.466	ug/l #	80
29) Tetrahydrofuran	7.847	42	354	0.417	ug/l #	34
31) Cyclohexane	8.218	56	3903	1.122	ug/l #	47
36) 1,1-Dichloropropene	8.224	75	14270	5.313	ug/l #	49
37) Ethyl Acetate	7.565	43	2841	1.031	ug/l #	69
38) Carbon Tetrachloride	8.224	117	17553	5.958	ug/l #	16
43) Isopropyl Acetate	8.688	43	87918	16.289	ug/l #	87
45) 1,2-Dichloropropane	9.741	63	491	0.248	ug/l #	44
48) Methyl methacrylate	9.665	41	3029	1.410	ug/l #	42
51) 4-Methyl-2-Pentanone	10.441	43	8028	3.060	ug/l #	81
54) cis-1,3-Dichloropropene	10.353	75	29972	9.210	ug/l #	68
56) Ethyl methacrylate	10.982	69	1424	0.473	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	1741	0.533	ug/l #	42
59) 2-Hexanone	11.171	43	118309	60.344	ug/l #	24
71) Bromoform	12.847	173	574	0.394	ug/l #	30
74) N-amyl acetate	12.453	43	723	0.210	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	61373	30.182	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	61373	72.361	ug/l #	11

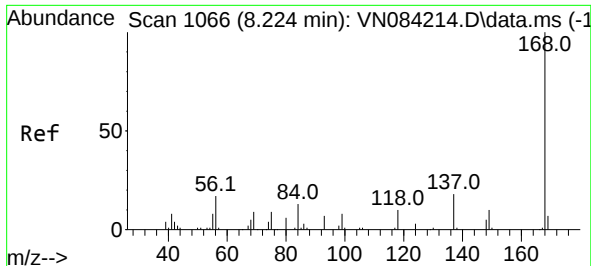
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102824\
Data File : VN084547.D
Acq On : 28 Oct 2024 18:17
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Sample : P4545-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VNJ-215

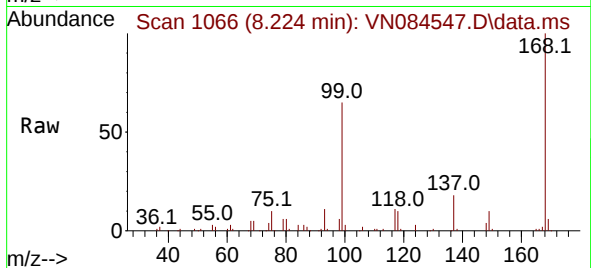
Quant Time: Oct 29 01:32:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
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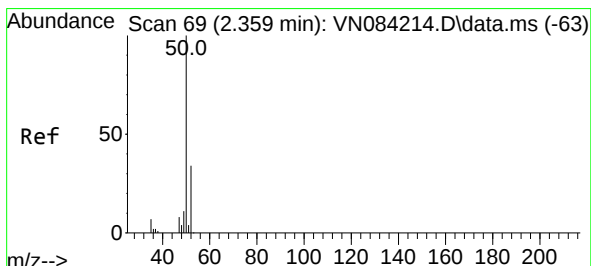
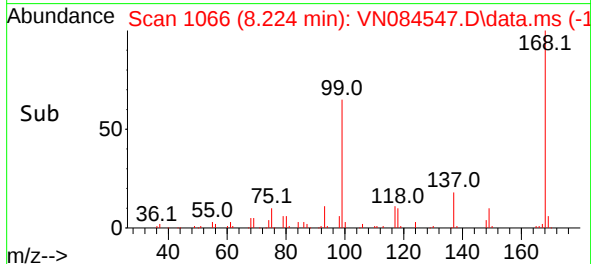
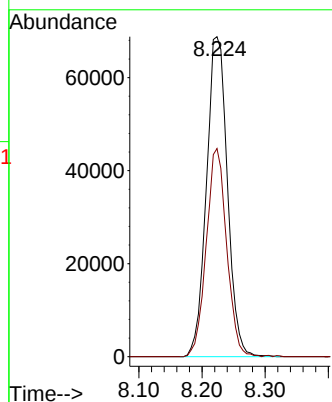


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084547.D
Acq: 28 Oct 2024 18:17

Instrument :
MSVOA_N
ClientSampleId :
VNJ-215

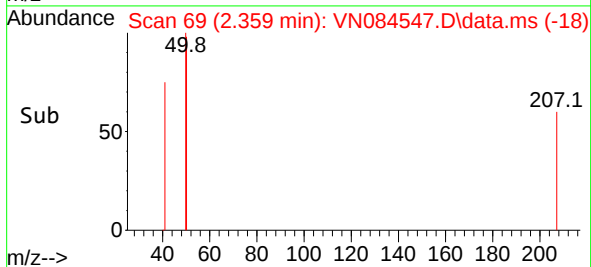
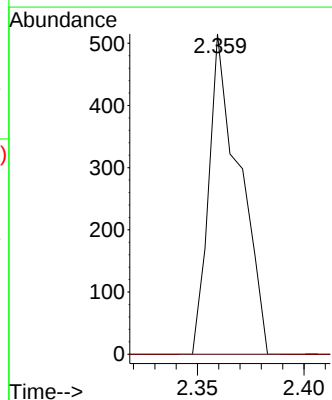
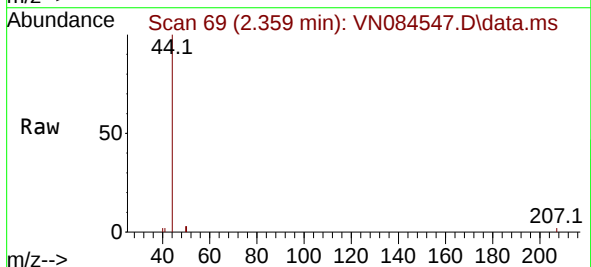


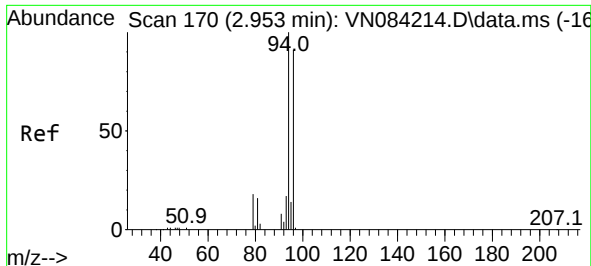
Tgt Ion:168 Resp: 158440
Ion Ratio Lower Upper
168 100
99 65.1 54.2 81.2



#3
Chloromethane
Concen: 0.241 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084547.D
Acq: 28 Oct 2024 18:17

Tgt Ion: 50 Resp: 516
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

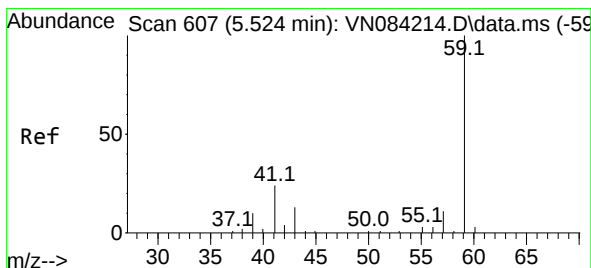
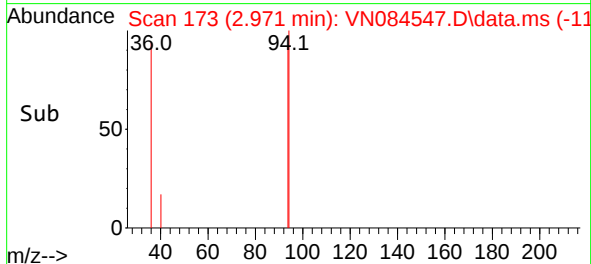
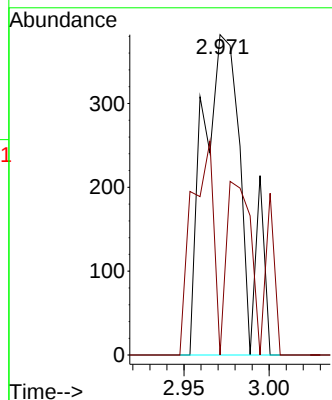
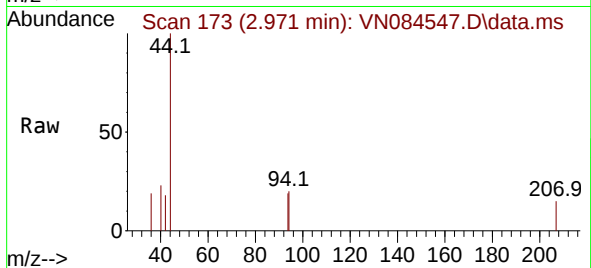




#5
Bromomethane
Concen: 0.455 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN084547.D
Acq: 28 Oct 2024 18:17

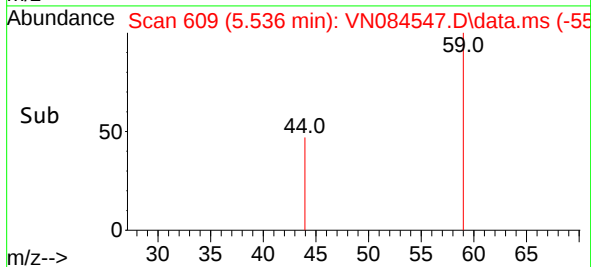
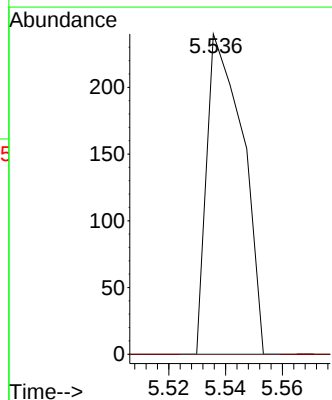
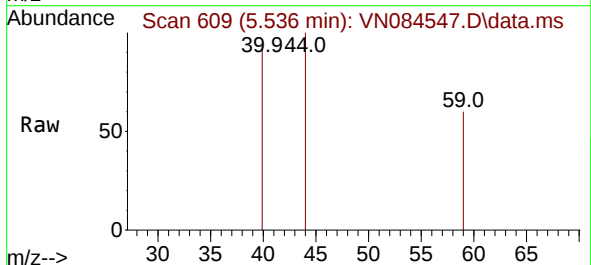
Instrument :
MSVOA_N
ClientSampleId :
VNJ-215

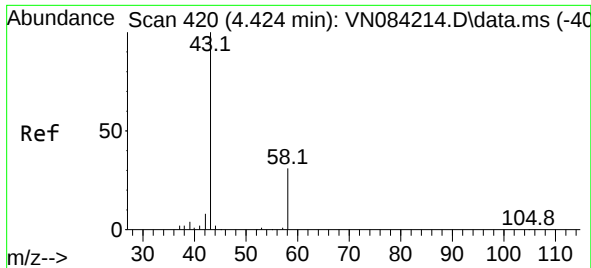
Tgt Ion: 94 Resp: 622
Ion Ratio Lower Upper
94 100
96 0.0 72.9 109.3#



#11
Tert butyl alcohol
Concen: 0.542 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.012 min
Lab File: VN084547.D
Acq: 28 Oct 2024 18:17

Tgt Ion: 59 Resp: 210
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 38.471 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN084547.D

Acq: 28 Oct 2024 18:17

Instrument :

MSVOA_N

ClientSampleId :

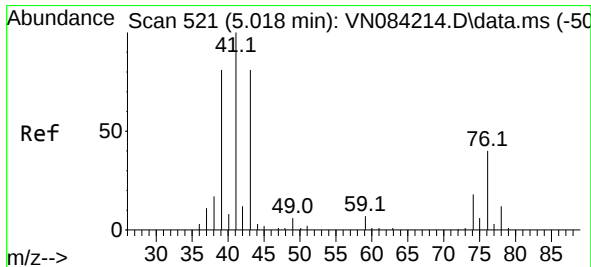
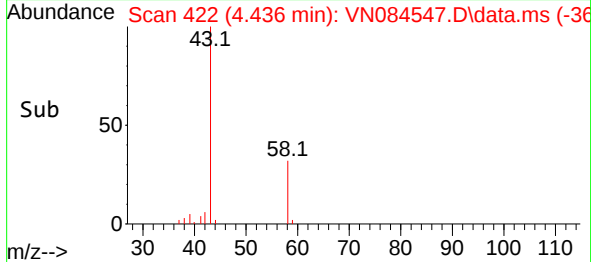
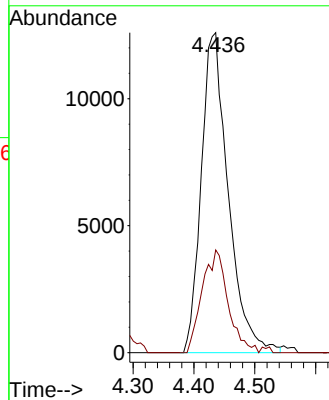
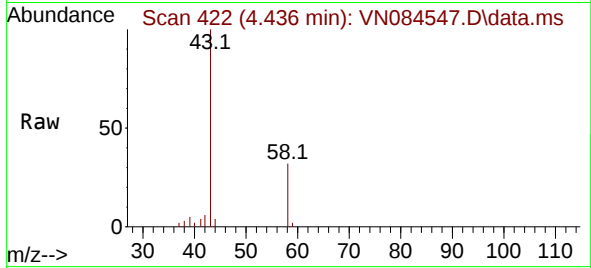
VNJ-215

Tgt Ion: 43 Resp: 38823

Ion Ratio Lower Upper

43 100

58 32.1 24.4 36.6



#18

Methyl Acetate

Concen: 0.635 ug/l

RT: 5.036 min Scan# 524

Delta R.T. 0.018 min

Lab File: VN084547.D

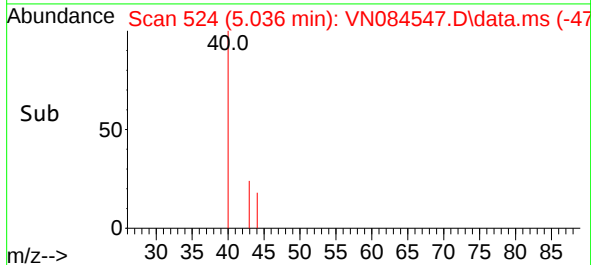
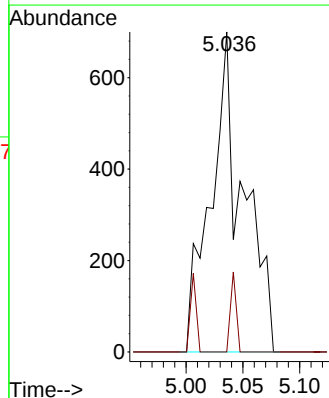
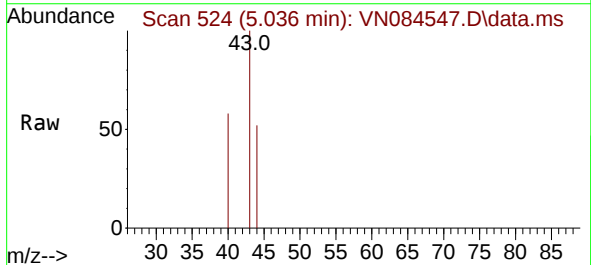
Acq: 28 Oct 2024 18:17

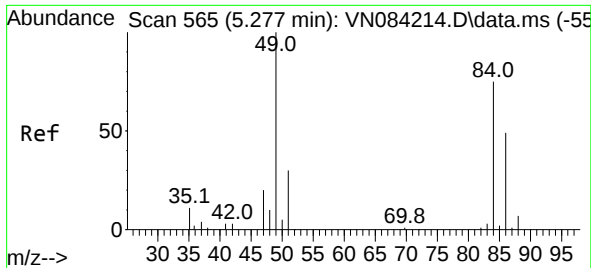
Tgt Ion: 43 Resp: 1397

Ion Ratio Lower Upper

43 100

74 4.4 19.2 28.8#



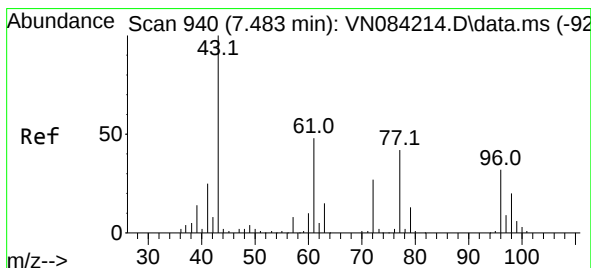
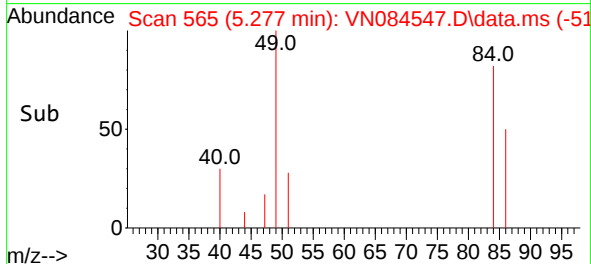
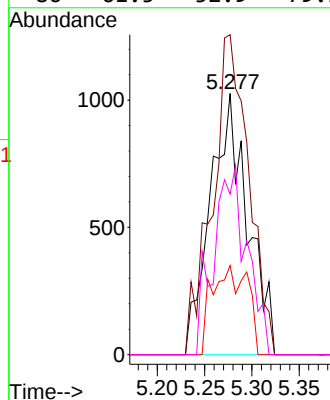
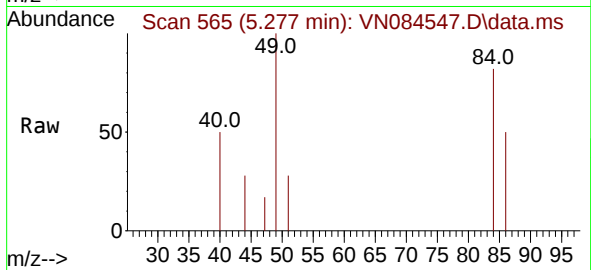


#20
Methylene Chloride
Concen: 1.371 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN084547.D
Acq: 28 Oct 2024 18:17

Instrument :
MSVOA_N
ClientSampleId :
VNJ-215

Tgt Ion: 84 Resp: 2813

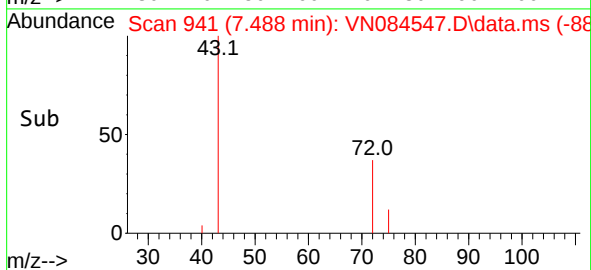
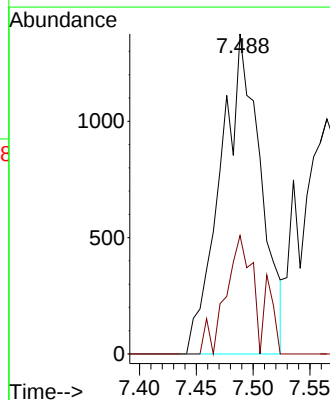
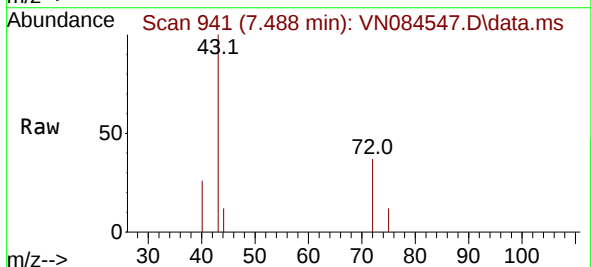
Ion	Ratio	Lower	Upper
84	100		
49	122.5	107.2	160.8
51	34.1	31.8	47.8
86	61.5	52.9	79.3

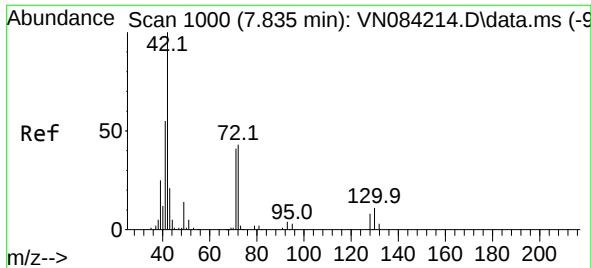


#25
2-Butanone
Concen: 2.466 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084547.D
Acq: 28 Oct 2024 18:17

Tgt Ion: 43 Resp: 3389

Ion	Ratio	Lower	Upper
43	100		
72	37.0	21.4	32.2#

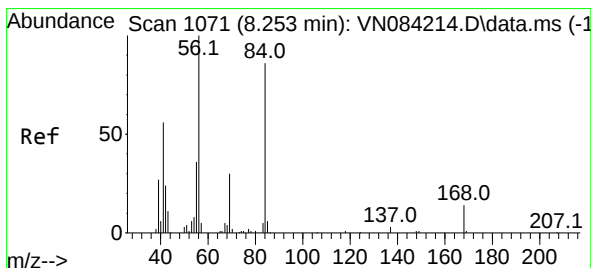
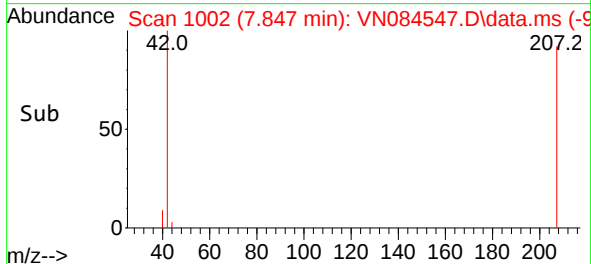
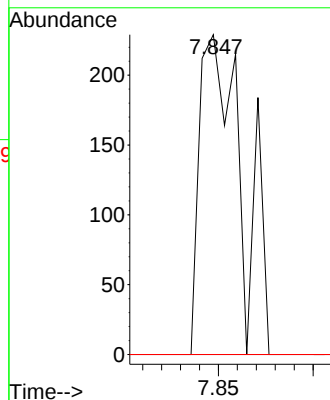
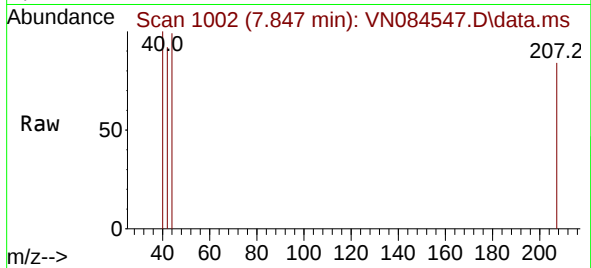




#29
Tetrahydrofuran
Concen: 0.417 ug/l
RT: 7.847 min Scan# 1065
Delta R.T. 0.012 min
Lab File: VN084547.D
Acq: 28 Oct 2024 18:17

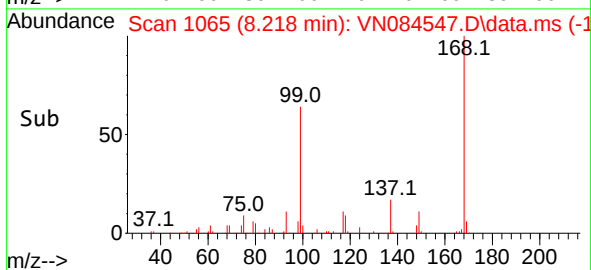
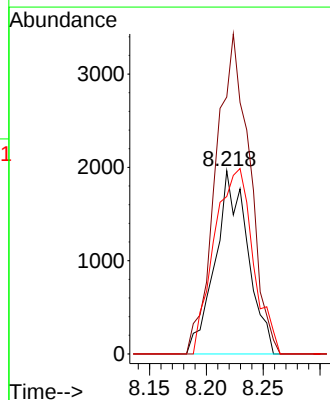
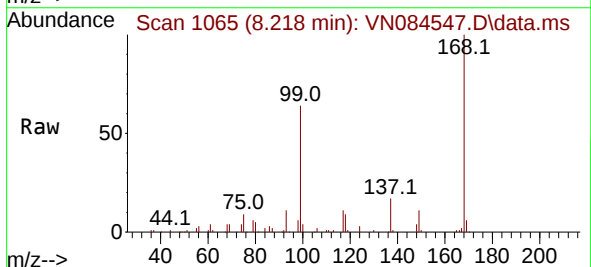
Instrument :
MSVOA_N
ClientSampleId :
VNJ-215

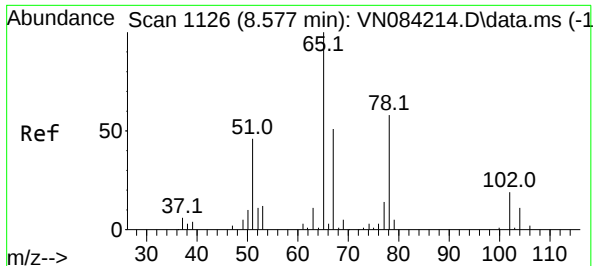
Tgt Ion:	42	Resp:	354
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.6	51.8#
71	0.0	32.2	48.4#



#31
Cyclohexane
Concen: 1.122 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084547.D
Acq: 28 Oct 2024 18:17

Tgt Ion:	56	Resp:	3903
Ion	Ratio	Lower	Upper
56	100		
69	140.3	23.8	35.6#
84	85.9	68.8	103.2





#33

1,2-Dichloroethane-d4

Concen: 49.319 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN084547.D

Acq: 28 Oct 2024 18:17

Instrument :

MSVOA_N

ClientSampleId :

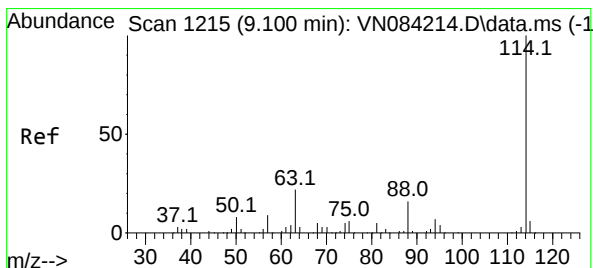
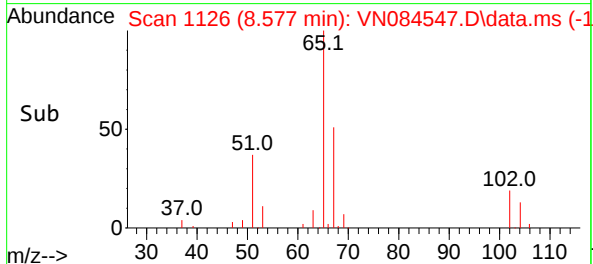
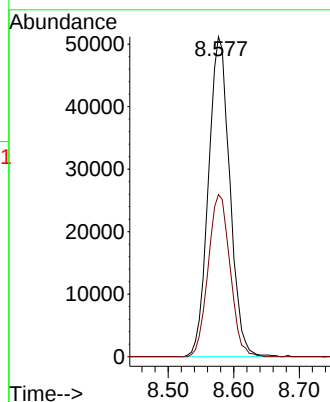
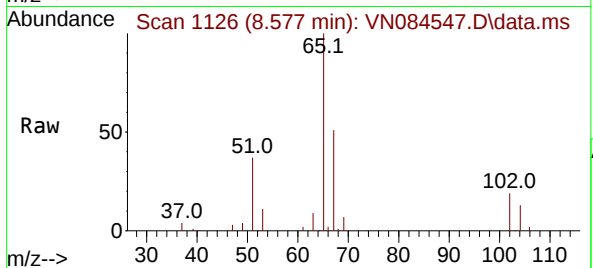
VNJ-215

Tgt Ion: 65 Resp: 115859

Ion Ratio Lower Upper

65 100

67 51.8 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084547.D

Acq: 28 Oct 2024 18:17

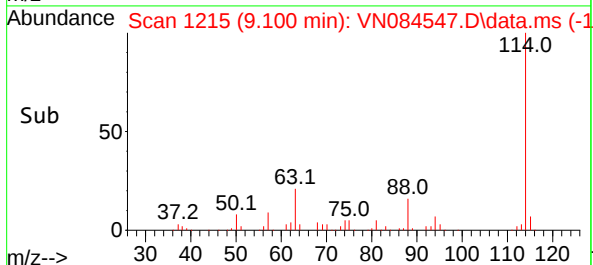
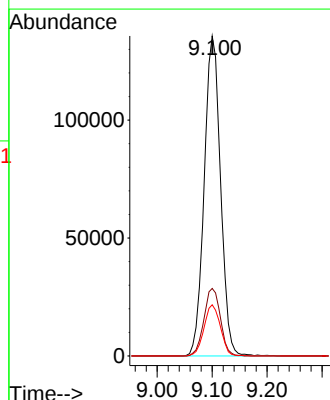
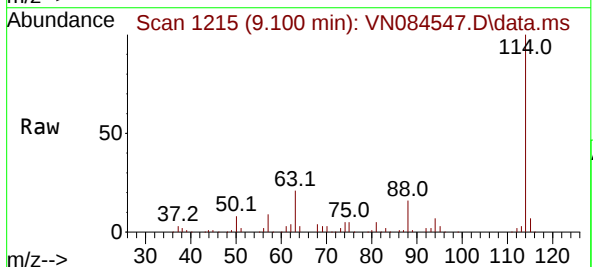
Tgt Ion: 114 Resp: 280484

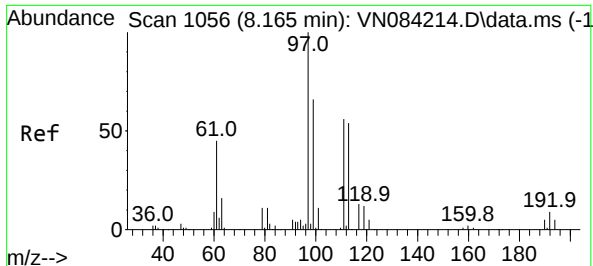
Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.8

88 16.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 49.179 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084547.D

Acq: 28 Oct 2024 18:17

Instrument :

MSVOA_N

ClientSampleId :

VNJ-215

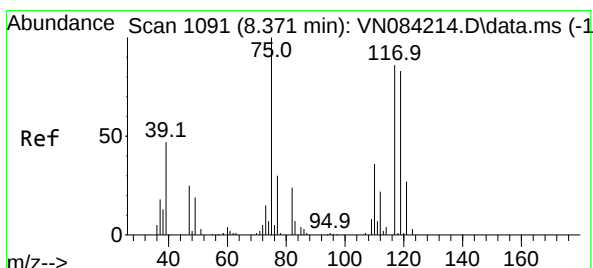
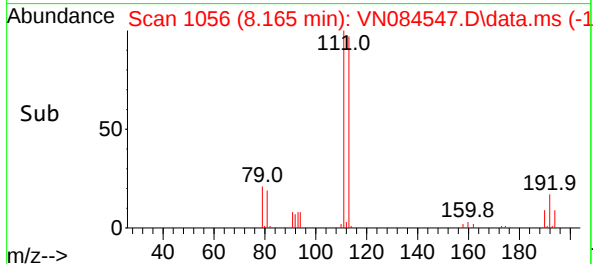
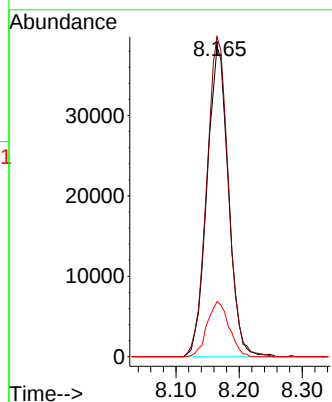
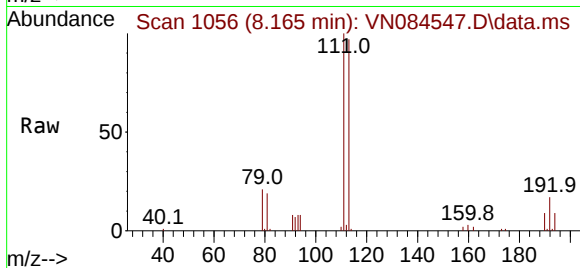
Tgt Ion:113 Resp: 90938

Ion Ratio Lower Upper

113 100

111 104.2 83.3 124.9

192 18.1 13.5 20.3



#36

1,1-Dichloropropene

Concen: 5.313 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084547.D

Acq: 28 Oct 2024 18:17

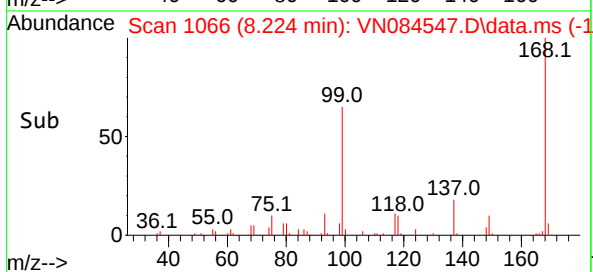
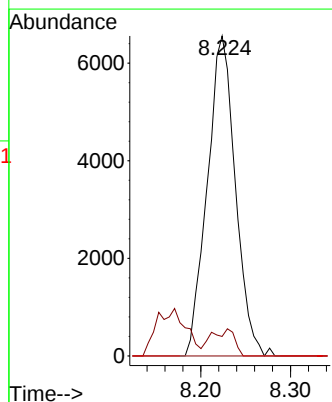
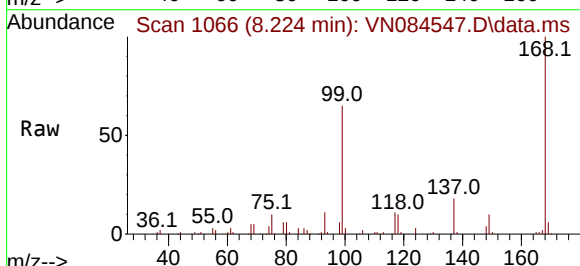
Tgt Ion: 75 Resp: 14270

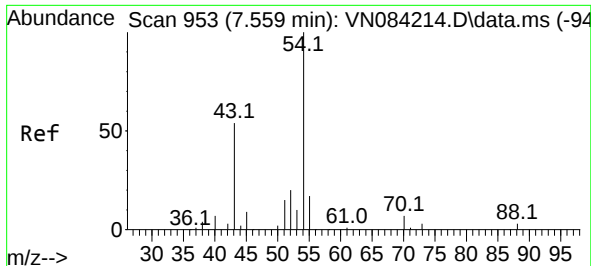
Ion Ratio Lower Upper

75 100

110 7.0 16.9 50.7#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.031 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN084547.D

Acq: 28 Oct 2024 18:17

Instrument :

MSVOA_N

ClientSampleId :

VNJ-215

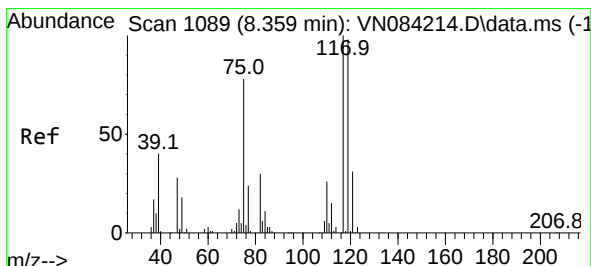
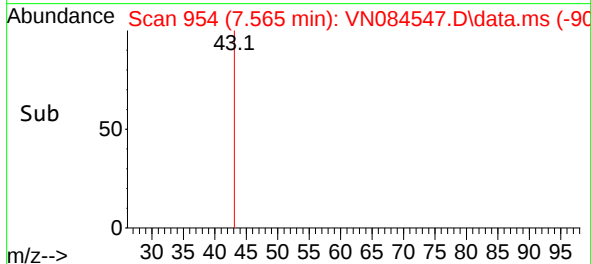
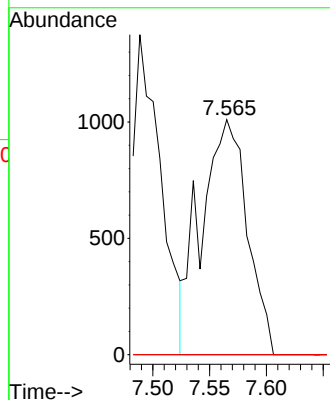
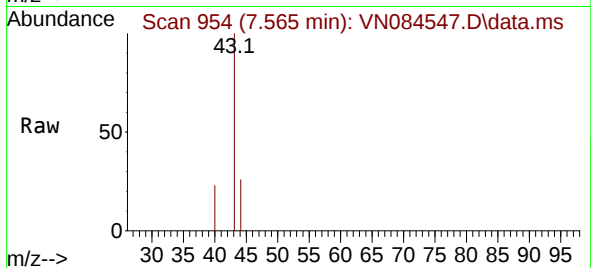
Tgt Ion: 43 Resp: 2841

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

70 0.0 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.958 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084547.D

Acq: 28 Oct 2024 18:17

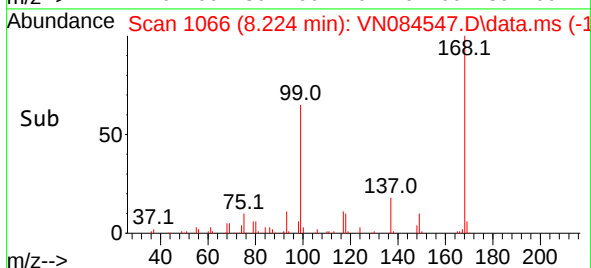
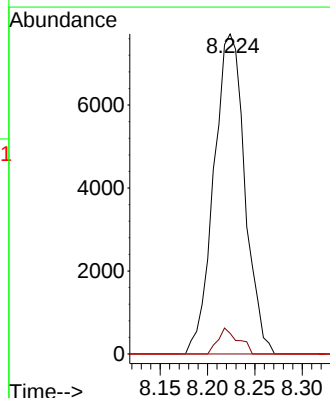
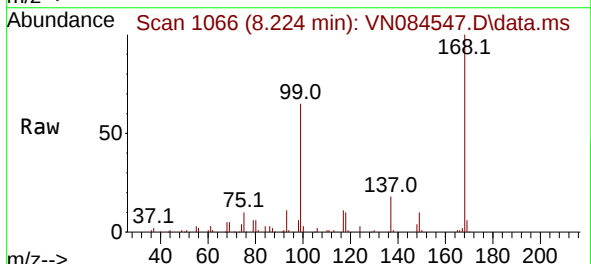
Tgt Ion: 117 Resp: 17553

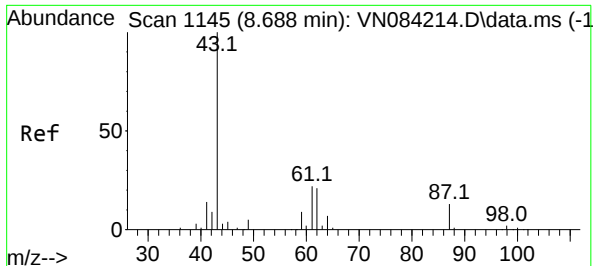
Ion Ratio Lower Upper

117 100

119 6.4 78.7 118.1#

121 0.0 24.4 36.6#

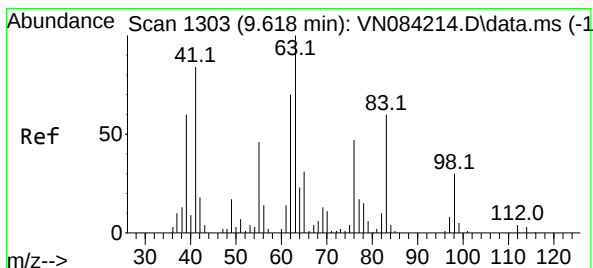
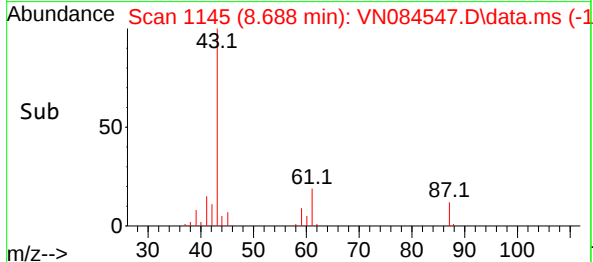
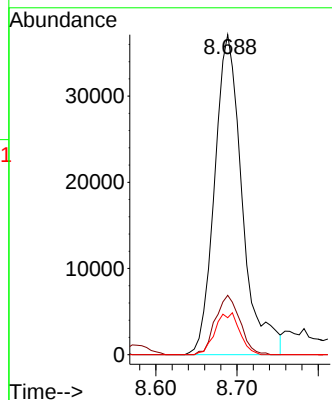
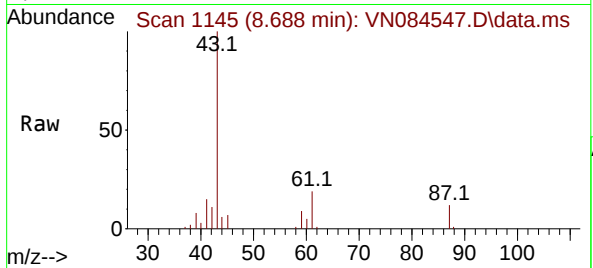




#43
Isopropyl Acetate
Concen: 16.289 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084547.D
Acq: 28 Oct 2024 18:17

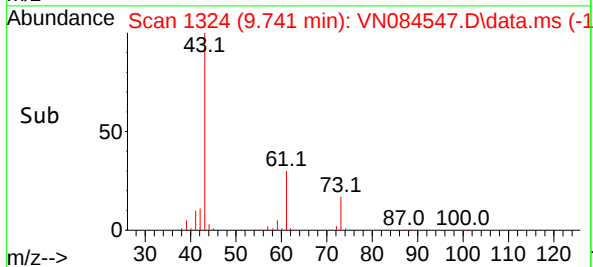
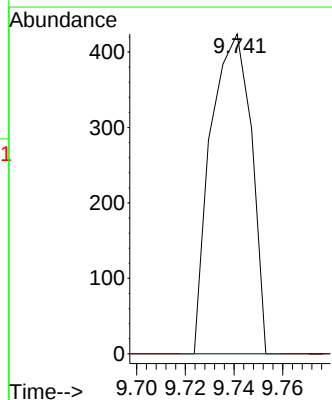
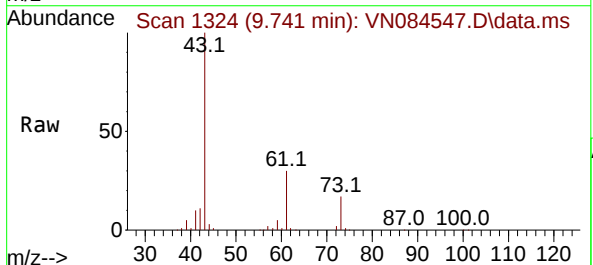
Instrument :
MSVOA_N
ClientSampleId :
VNJ-215

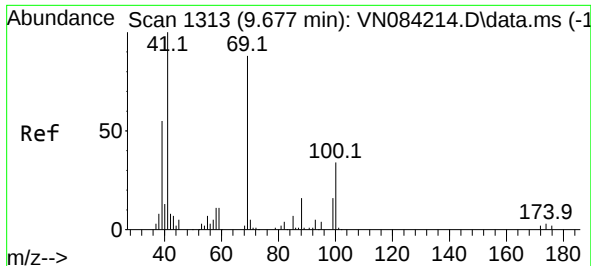
Tgt Ion: 43 Resp: 87918
Ion Ratio Lower Upper
43 100
61 16.5 20.4 30.6#
87 11.7 10.3 15.5



#45
1,2-Dichloropropane
Concen: 0.248 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN084547.D
Acq: 28 Oct 2024 18:17

Tgt Ion: 63 Resp: 491
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#

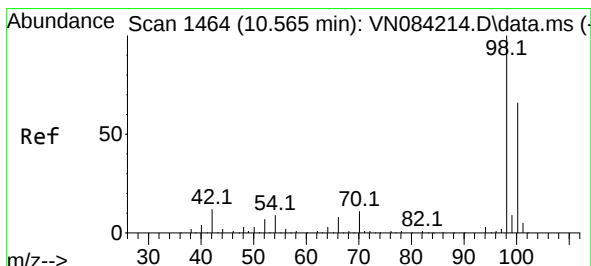
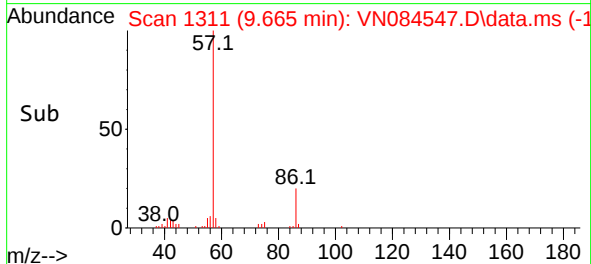
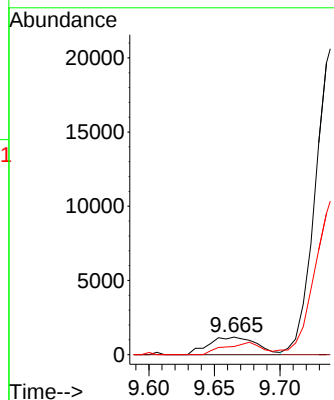
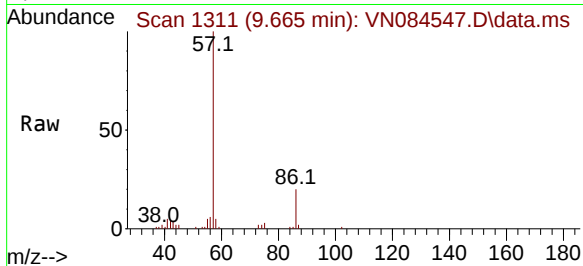




#48
Methyl methacrylate
Concen: 1.410 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN084547.D
Acq: 28 Oct 2024 18:17

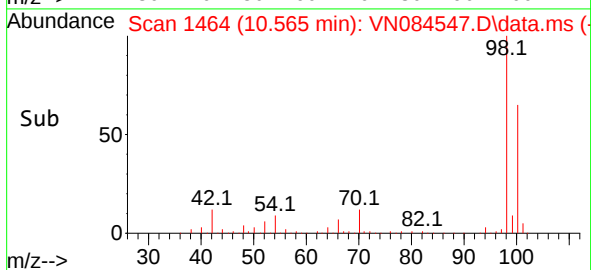
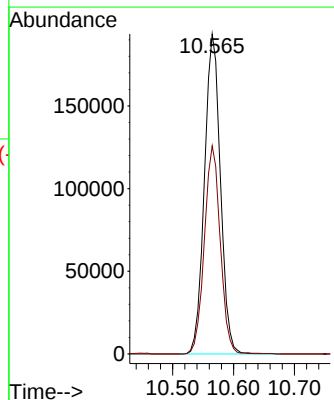
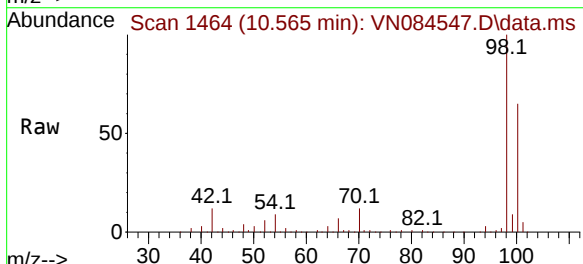
Instrument :
MSVOA_N
ClientSampleId :
VNJ-215

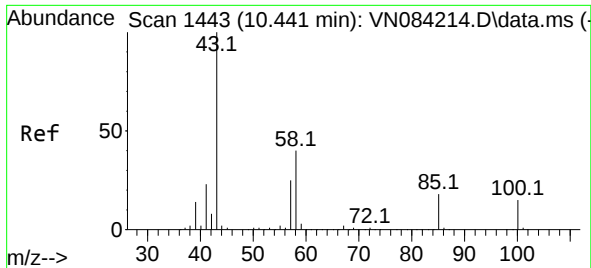
Tgt Ion: 41 Resp: 3029
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 52.8 45.8 68.6



#50
Toluene-d8
Concen: 51.906 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084547.D
Acq: 28 Oct 2024 18:17

Tgt Ion: 98 Resp: 353124
Ion Ratio Lower Upper
98 100
100 64.7 52.7 79.1

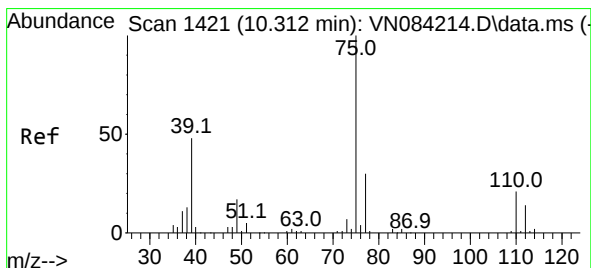
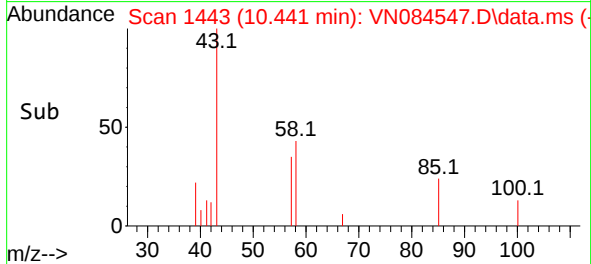
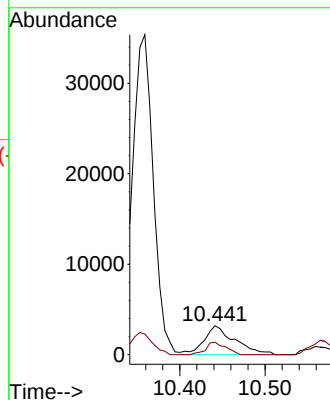
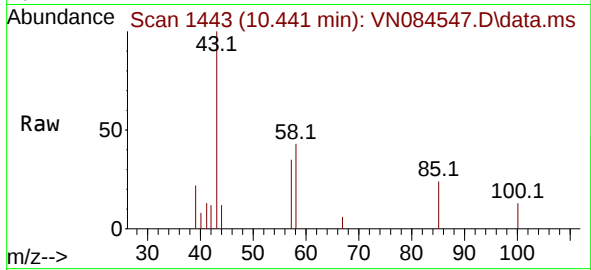




#51
4-Methyl-2-Pentanone
Concen: 3.060 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN084547.D
Acq: 28 Oct 2024 18:17

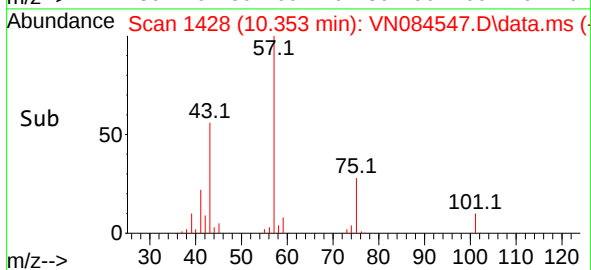
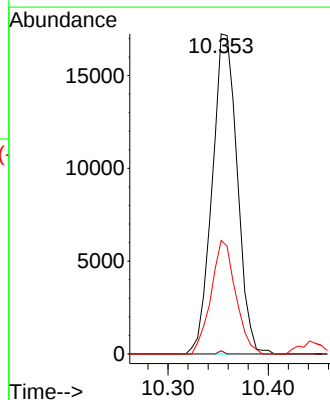
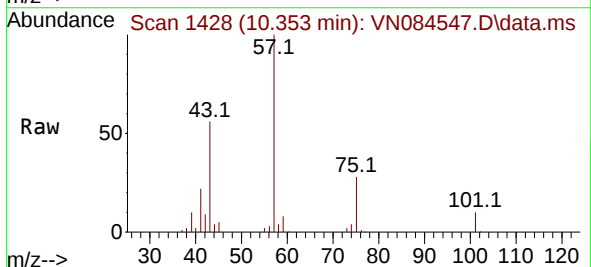
Instrument :
MSVOA_N
ClientSampleId :
VNJ-215

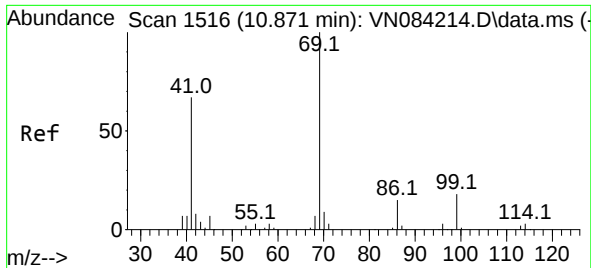
Tgt Ion: 43 Resp: 8028
Ion Ratio Lower Upper
43 100
58 27.9 31.6 47.4#



#54
cis-1,3-Dichloropropene
Concen: 9.210 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN084547.D
Acq: 28 Oct 2024 18:17

Tgt Ion: 75 Resp: 29972
Ion Ratio Lower Upper
75 100
77 1.0 24.2 36.2#
39 35.4 38.7 58.1#

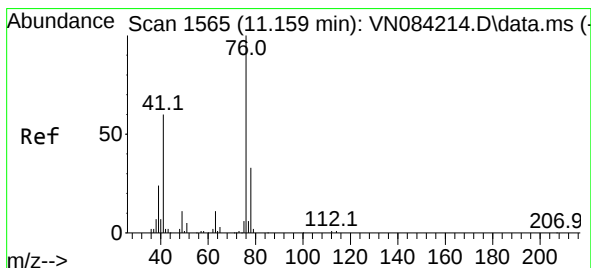
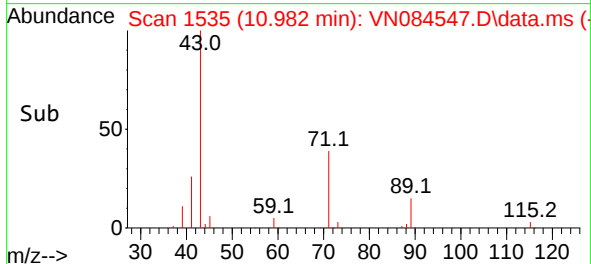
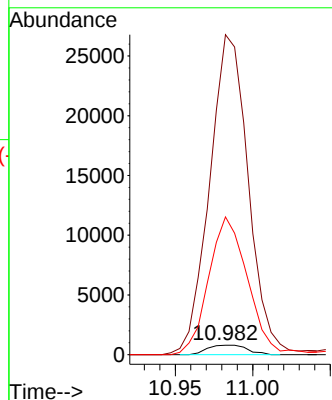
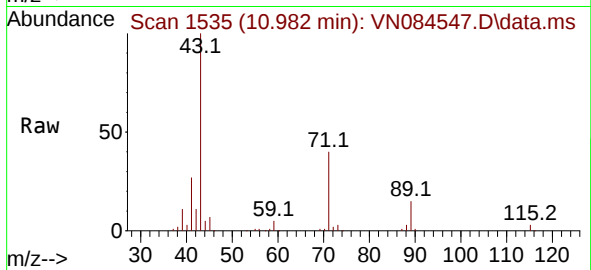




#56
Ethyl methacrylate
Concen: 0.473 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN084547.D
Acq: 28 Oct 2024 18:17

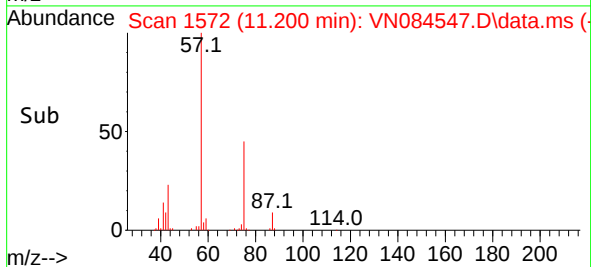
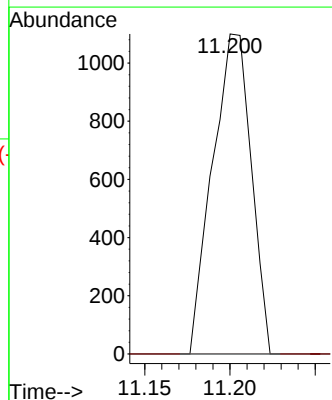
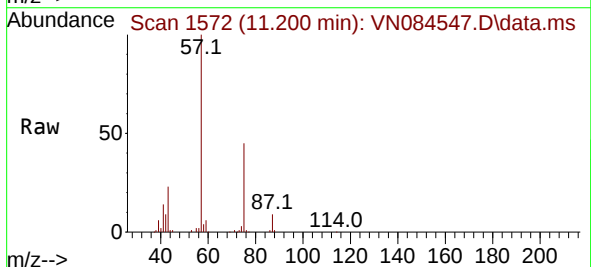
Instrument :
MSVOA_N
ClientSampleId :
VNJ-215

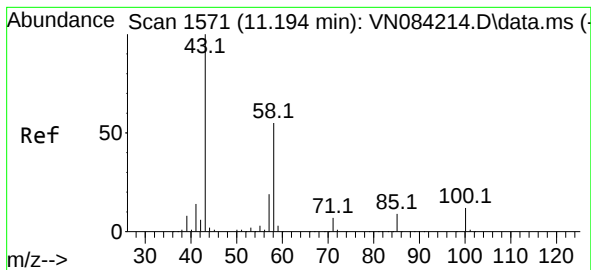
Tgt Ion: 69 Resp: 1424
Ion Ratio Lower Upper
69 100
41 3267.7 53.3 79.9#
39 1418.4 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 0.533 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084547.D
Acq: 28 Oct 2024 18:17

Tgt Ion: 76 Resp: 1741
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

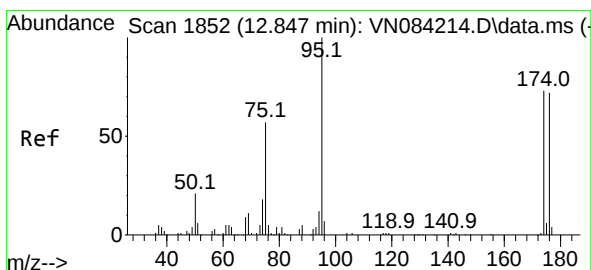
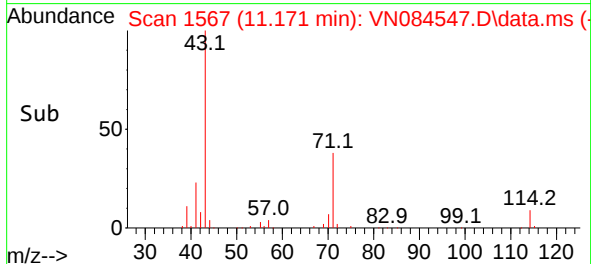
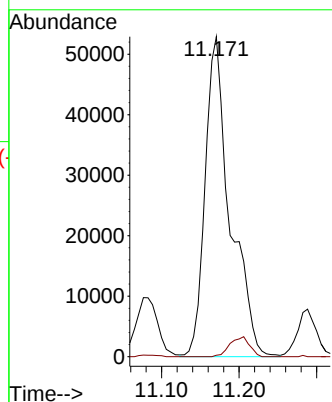
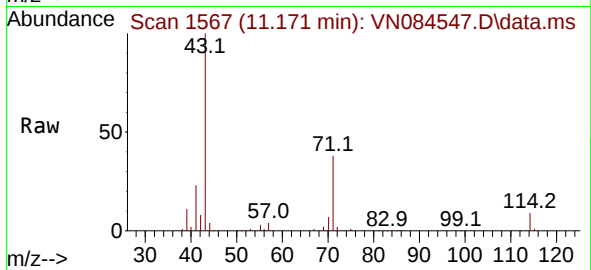




#59
2-Hexanone
Concen: 60.344 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN084547.D
Acq: 28 Oct 2024 18:17

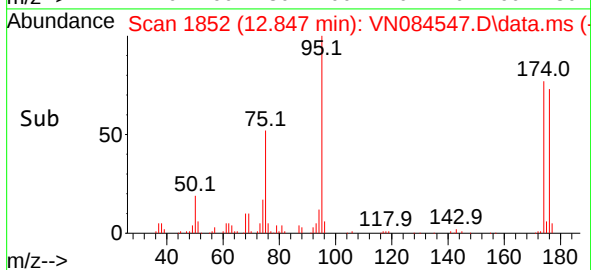
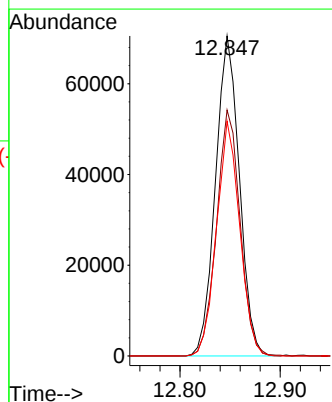
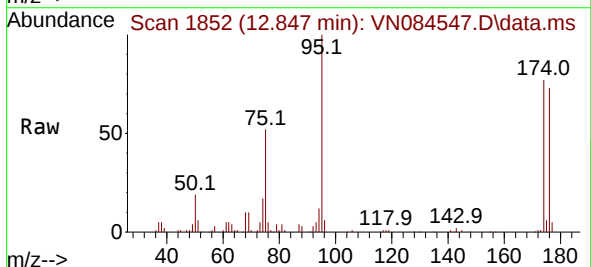
Instrument :
MSVOA_N
ClientSampleId :
VNJ-215

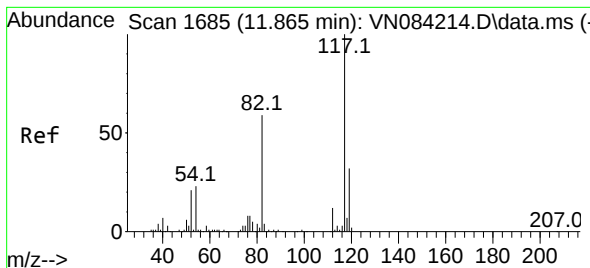
Tgt Ion: 43 Resp: 118309
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 47.017 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084547.D
Acq: 28 Oct 2024 18:17

Tgt Ion: 95 Resp: 116528
Ion Ratio Lower Upper
95 100
174 75.8 0.0 145.2
176 71.4 0.0 140.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084547.D

Acq: 28 Oct 2024 18:17

Instrument :

MSVOA_N

ClientSampleId :

VNJ-215

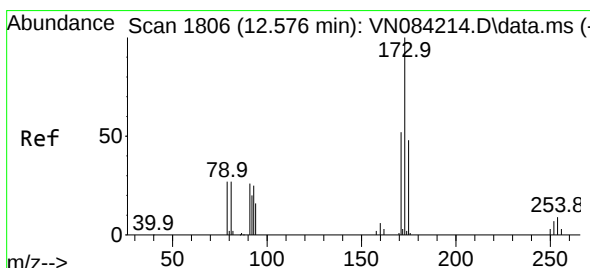
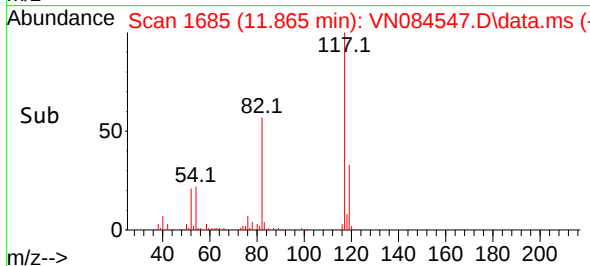
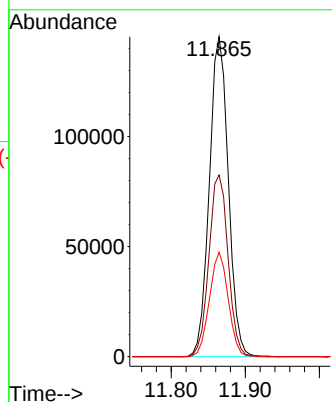
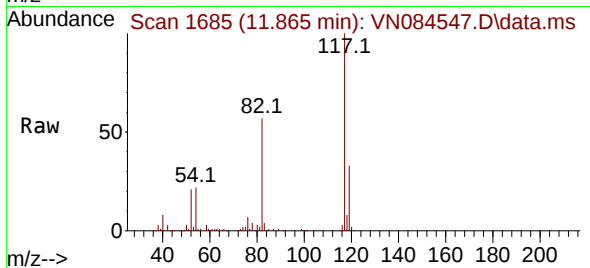
Tgt Ion:117 Resp: 259107

Ion Ratio Lower Upper

117 100

82 56.8 47.2 70.8

119 32.6 25.4 38.0



#71

Bromoform

Concen: 0.394 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.271 min

Lab File: VN084547.D

Acq: 28 Oct 2024 18:17

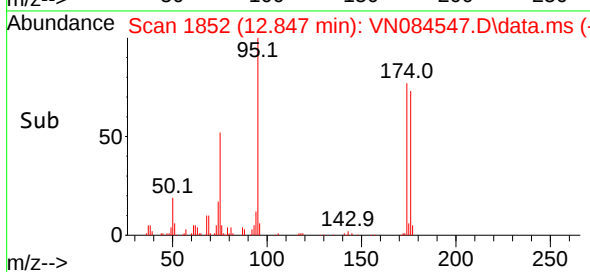
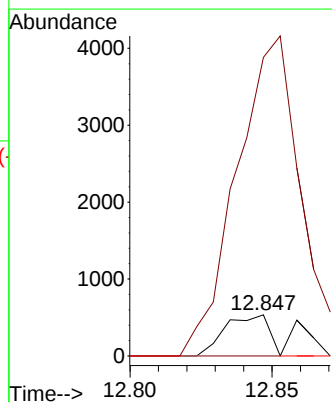
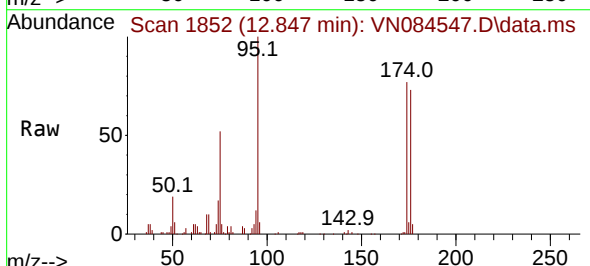
Tgt Ion:173 Resp: 574

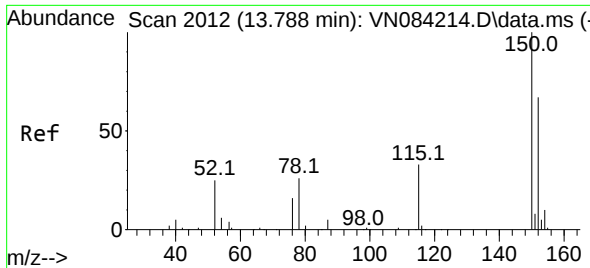
Ion Ratio Lower Upper

173 100

175 0.0 23.5 70.6#

254 0.0 0.0 0.0

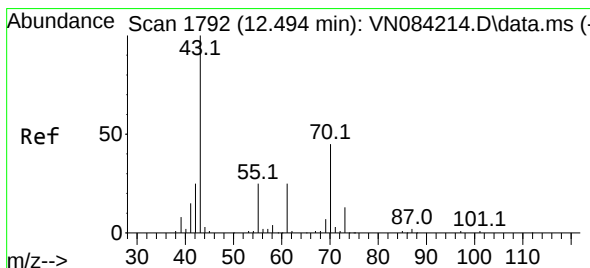
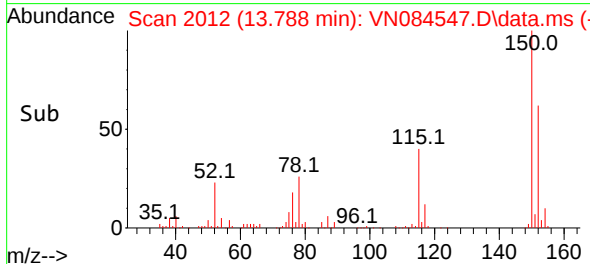
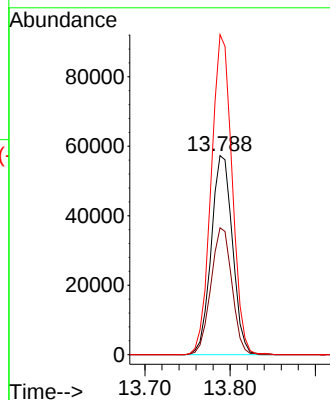
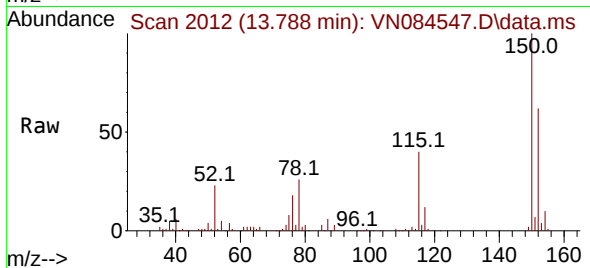




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084547.D
Acq: 28 Oct 2024 18:17

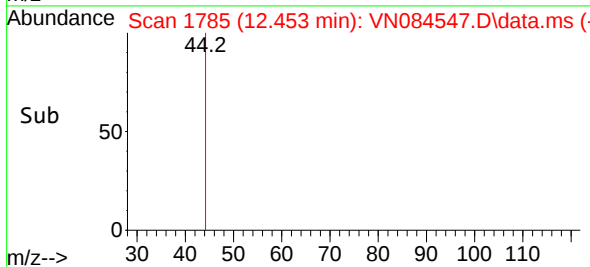
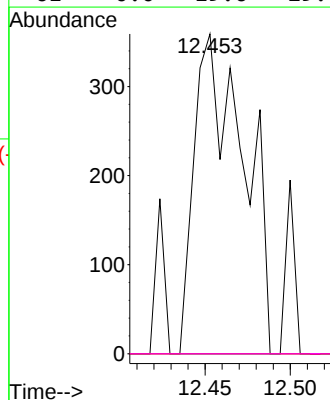
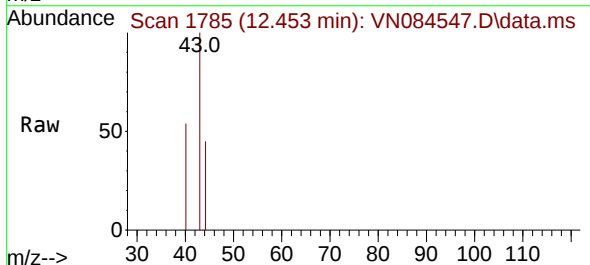
Instrument :
MSVOA_N
ClientSampleId :
VNJ-215

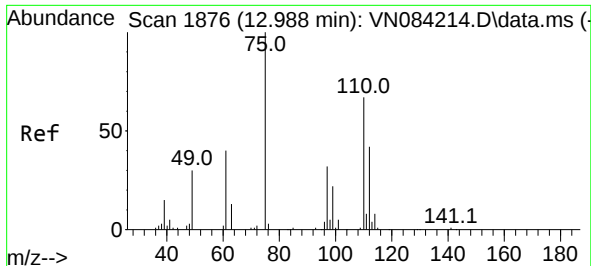
Tgt Ion:152 Resp: 99602
Ion Ratio Lower Upper
152 100
115 62.7 31.3 93.9
150 157.7 0.0 349.8



#74
N-ethyl acetate
Concen: 0.210 ug/l
RT: 12.453 min Scan# 1785
Delta R.T. -0.041 min
Lab File: VN084547.D
Acq: 28 Oct 2024 18:17

Tgt Ion: 43 Resp: 723
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 0.0 19.6 29.4#
61 0.0 19.6 29.4#

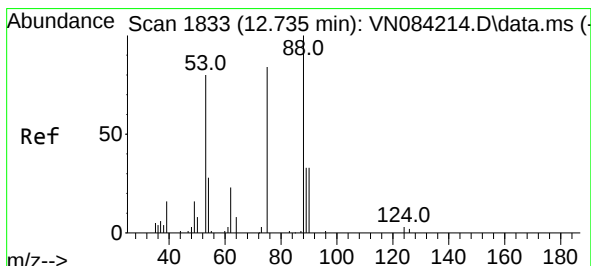
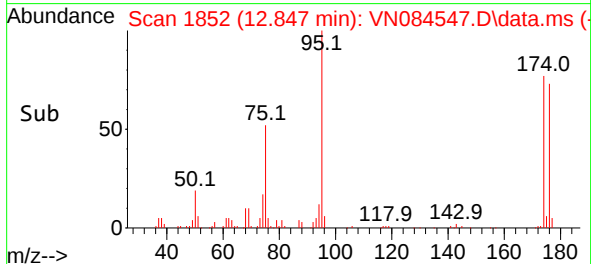
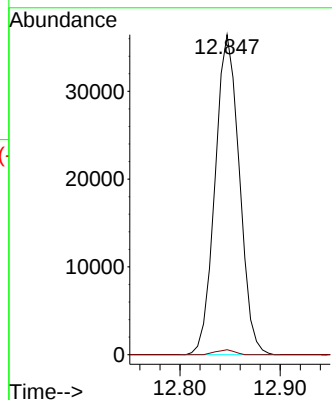
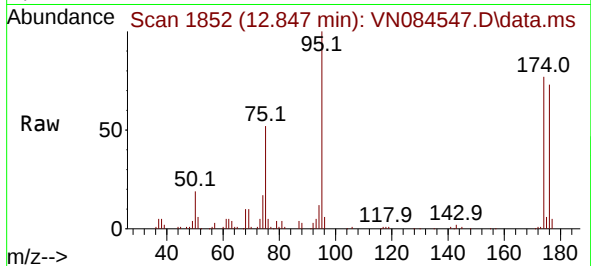




#76
1,2,3-Trichloropropane
Concen: 30.182 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084547.D
Acq: 28 Oct 2024 18:17

Instrument :
MSVOA_N
ClientSampleId :
VNJ-215

Tgt Ion: 75 Resp: 61373
Ion Ratio Lower Upper
75 100
77 1.2 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.361 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084547.D
Acq: 28 Oct 2024 18:17

Tgt Ion: 75 Resp: 61373
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

