

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070620\
 Data File : VN062382.D
 Acq On : 6 Jul 2020 23:09
 Operator : JC/MD
 Sample : L3205-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-214

Quant Time: Jul 07 05:22:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070620W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 07 05:08:51 2020
 Response via : Initial Calibration

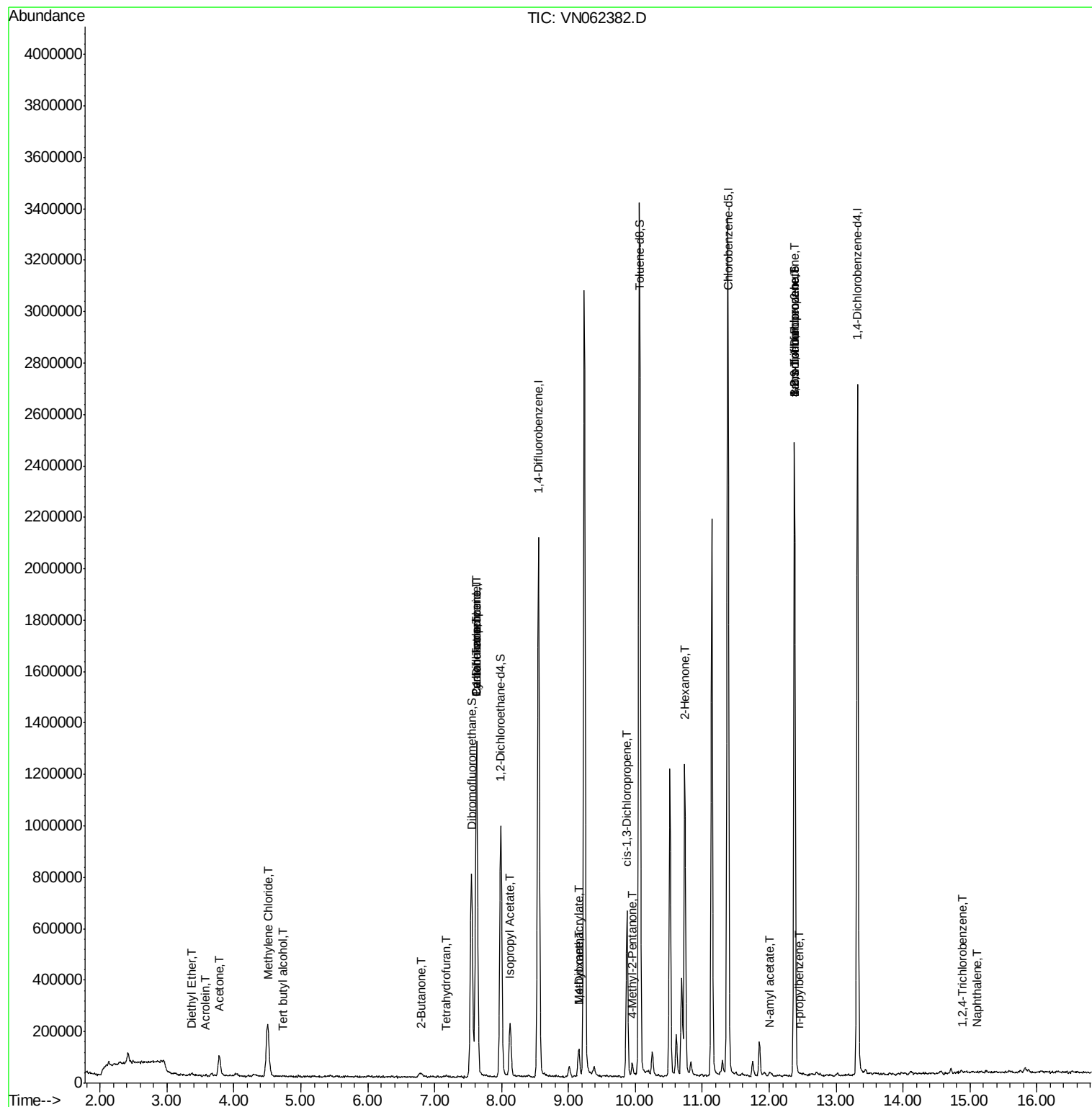
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	940375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	1687095	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	1696225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	643734	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	862121	50.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.36%	
35) Dibromofluoromethane	7.55	113	573509	49.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.66%	
50) Toluene-d8	10.06	98	2234964	51.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.90%	
62) 4-Bromofluorobenzene	12.38	95	813139	49.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.70%	
Target Compounds				Qvalue		
8) Diethyl Ether	3.37	74	3521	0.489	ug/l	93
11) Tert butyl alcohol	4.73	59	1957	0.831	ug/l #	47
13) Acrolein	3.57	56	176	0.512	ug/l #	12
16) Acetone	3.78	43	136826	17.447	ug/l	100
20) Methylene Chloride	4.51	84	135454	10.643	ug/l	97
23) Vinyl Acetate	5.84	43	201	Below Cal	#	77
25) 2-Butanone	6.79	43	6753	0.684	ug/l #	86
29) Tetrahydrofuran	7.17	42	4898	0.780	ug/l #	74
31) Cyclohexane	7.63	56	28476	1.320	ug/l #	25
36) 1,1-Dichloropropene	7.63	75	90313	5.095	ug/l #	51
38) Carbon Tetrachloride	7.63	117	103833	5.824	ug/l #	16
43) Isopropyl Acetate	8.13	43	253804	7.220	ug/l	98
48) Methyl methacrylate	9.15	41	21023	1.172	ug/l #	19
49) 1,4-Dioxane	9.16	88	99	0.406	ug/l #	18
51) 4-Methyl-2-Pentanone	9.95	43	27939	1.047	ug/l #	76
54) cis-1,3-Dichloropropene	9.88	75	96041	4.295	ug/l #	63
59) 2-Hexanone	10.74	43	213013	14.952	ug/l #	57
71) Bromoform	12.37	173	2722	0.265	ug/l #	1
74) N-amyl acetate	12.00	43	8013	0.313	ug/l #	50
76) 1,2,3-Trichloropropane	12.38	75	480083	30.876	ug/l #	100
78) n-propylbenzene	12.46	91	260	0.287	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.38	75	480083	88.296	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.89	180	552	2.781	ug/l #	60
94) Hexachlorobutadiene	14.97	225	206	Below Cal	#	48
95) Naphthalene	15.11	128	4622	2.228	ug/l #	82

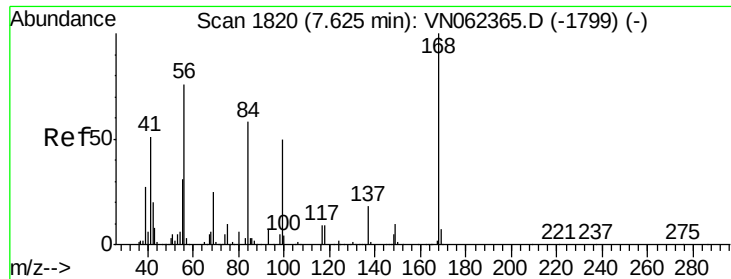
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070620\
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Sample : L3205-04
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Instrument :
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ClientSampleId :
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Quant Time: Jul 07 05:22:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N070620W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 07 05:08:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062382.D

Acq: 6 Jul 2020 23:09

Instrument :

MSVOA_N

ClientSampleId :

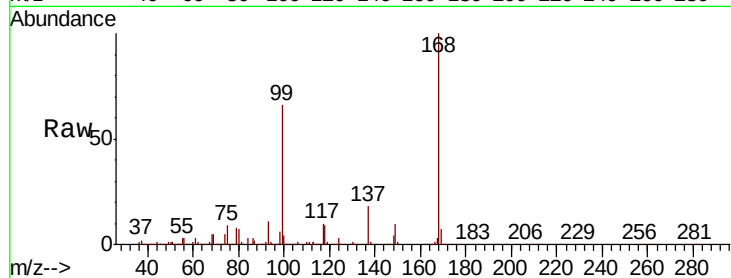
VNJ-214

Tot Ion:168 Resp: 940375

Ion Ratio Lower Upper

168 100

99 65.7 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

400000

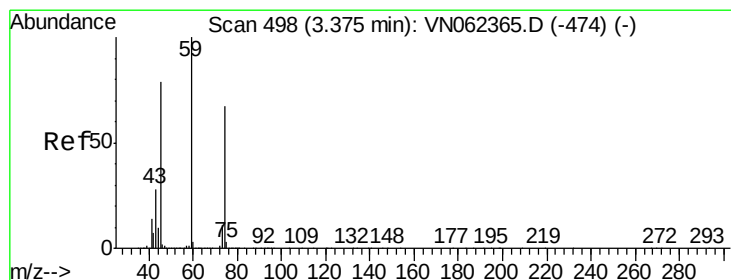
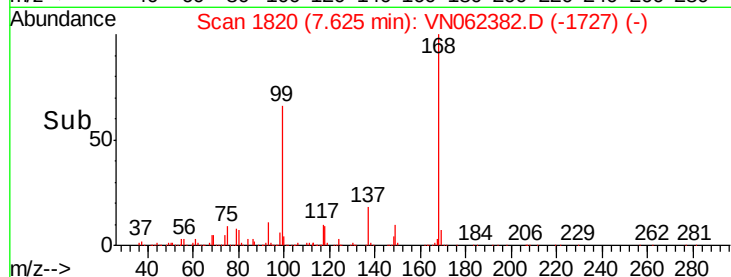
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 0.489 ug/l

RT: 3.37 min Scan# 498

Delta R.T. -0.00 min

Lab File: VN062382.D

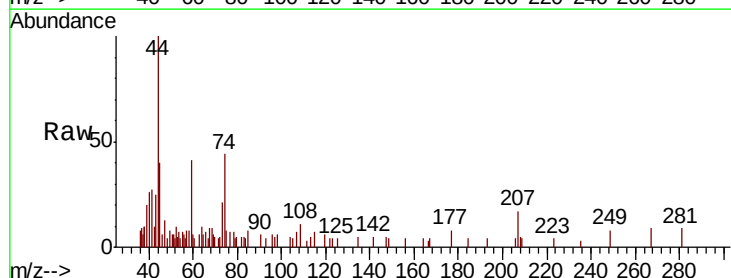
Acq: 6 Jul 2020 23:09

Tgt Ion: 74 Resp: 3521

Ion Ratio Lower Upper

74 100

45 112.4 59.9 179.7



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.37

2500

2000

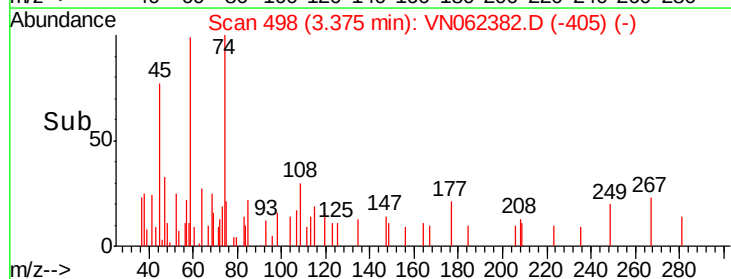
1500

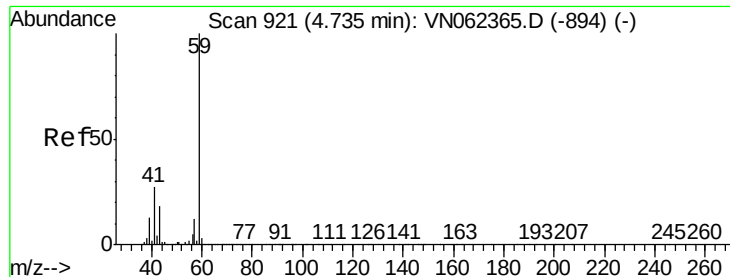
1000

500

0

Time-->

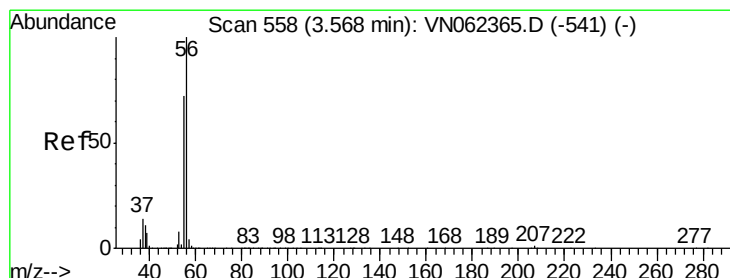
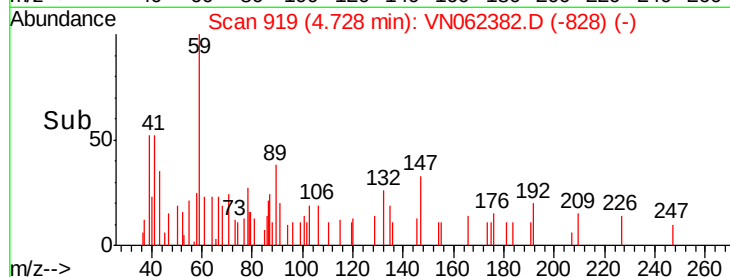
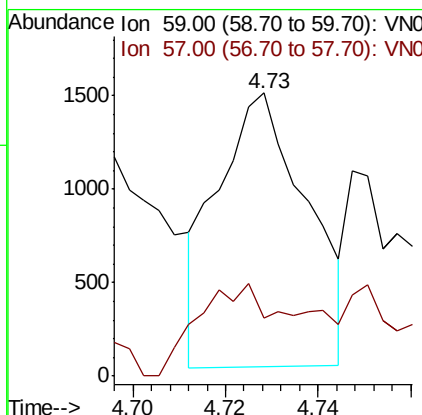
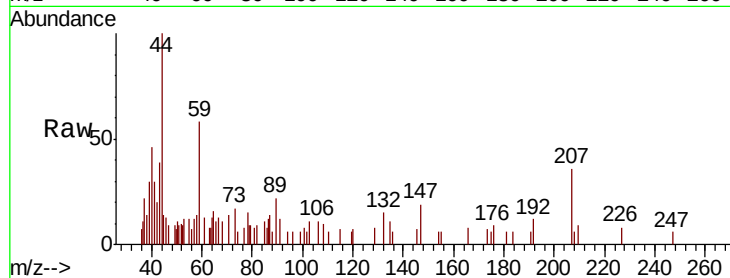




#11
Tert butyl alcohol
Concen: 0.831 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.01 min
Lab File: VN062382.D
Acq: 6 Jul 2020 23:09

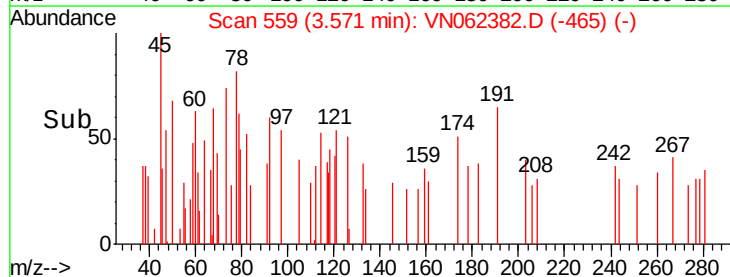
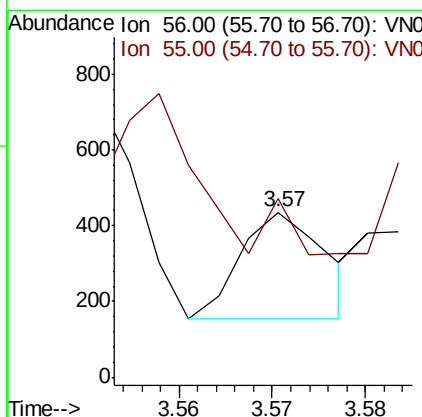
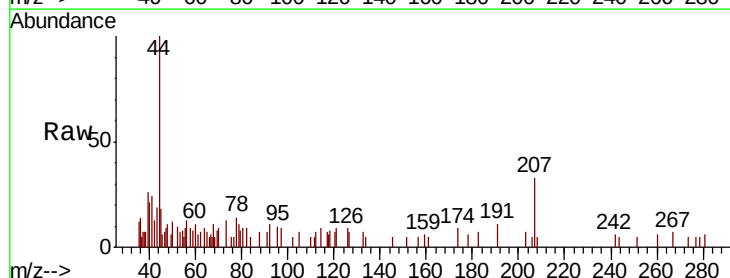
Instrument :
MSVOA_N
ClientSampleId :
VNJ-214

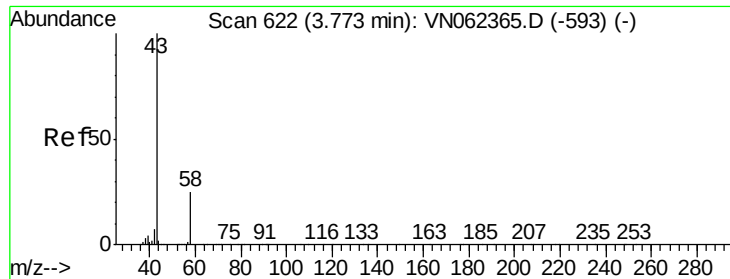
Tot Ion: 59 Resp: 1957
Ion Ratio Lower Upper
59 100
57 30.7 8.5 12.7#



#13
Acrolein
Concen: 0.512 ug/l
RT: 3.57 min Scan# 559
Delta R.T. 0.00 min
Lab File: VN062382.D
Acq: 6 Jul 2020 23:09

Tgt Ion: 56 Resp: 176
Ion Ratio Lower Upper
56 100
55 0.0 59.6 89.4#





#16

Acetone

Concen: 17.447 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062382.D

Acq: 6 Jul 2020 23:09

Instrument :

MSVOA_N

ClientSampled :

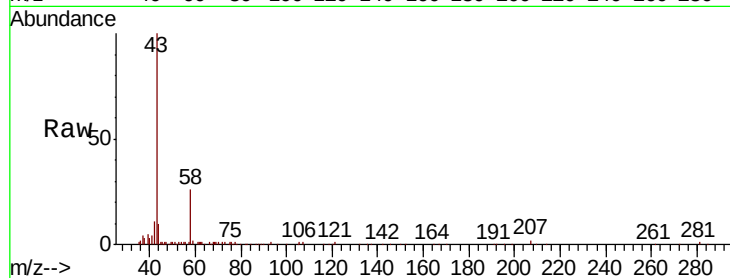
VNJ-214

Tot Ion: 43 Resp: 136826

Ion Ratio Lower Upper

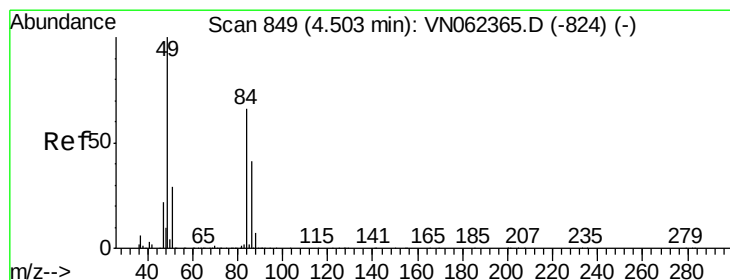
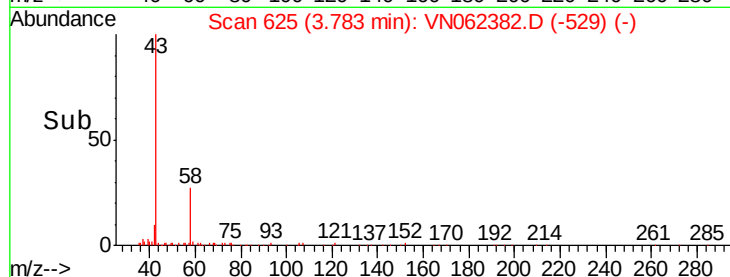
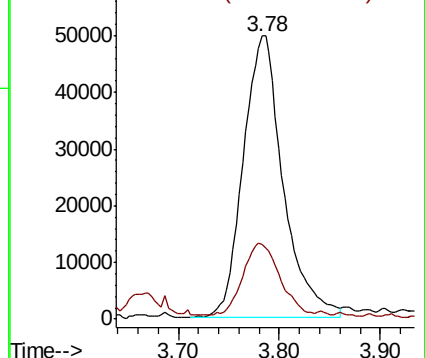
43 100

58 24.9 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



#20

Methylene Chloride

Concen: 10.643 ug/l

RT: 4.51 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN062382.D

Acq: 6 Jul 2020 23:09

Tgt Ion: 84 Resp: 135454

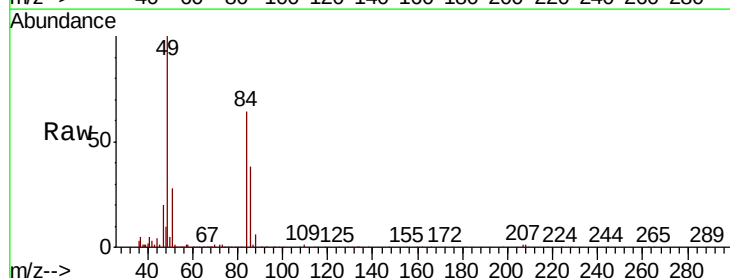
Ion Ratio Lower Upper

84 100

49 156.5 121.8 182.6

51 44.5 35.0 52.4

86 59.3 50.3 75.5

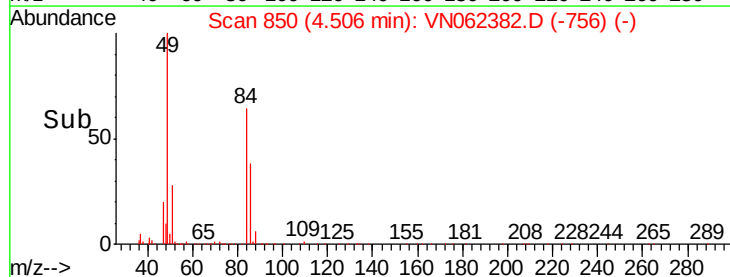
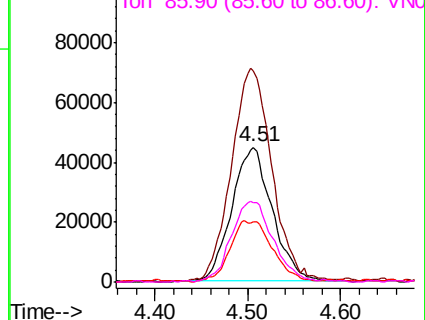


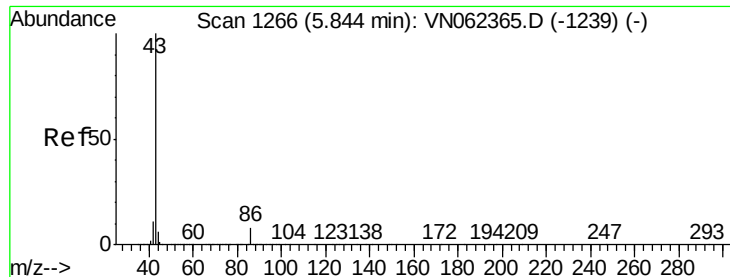
Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO





#23

Vinyl Acetate

Concen: Below Cal

RT: 5.84 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VN062382.D

Acq: 6 Jul 2020 23:09

Instrument :

MSVOA_N

ClientSampled :

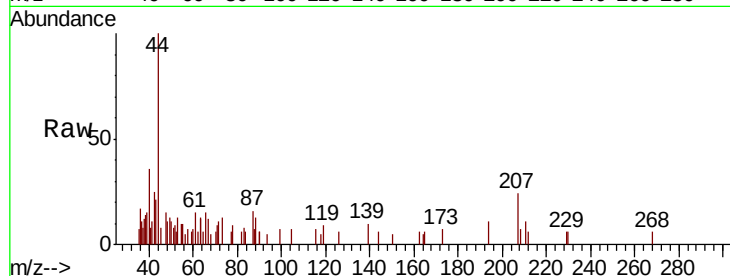
VNJ-214

Tot Ion: 43 Resp: 201

Ion Ratio Lower Upper

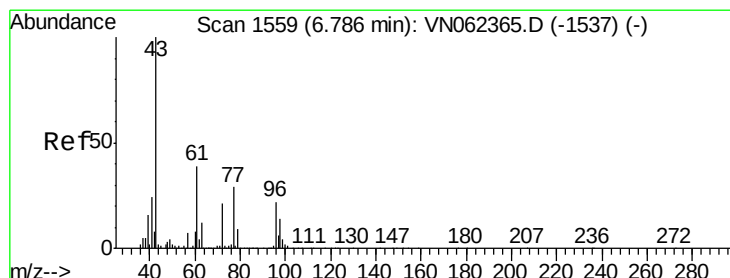
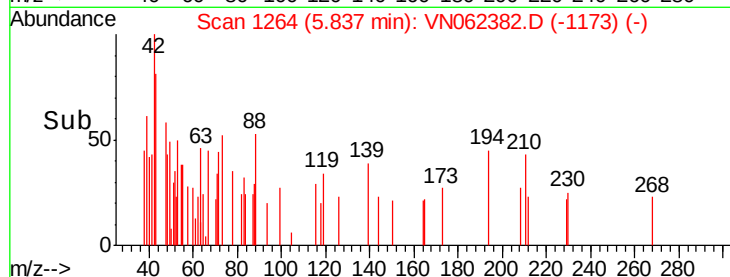
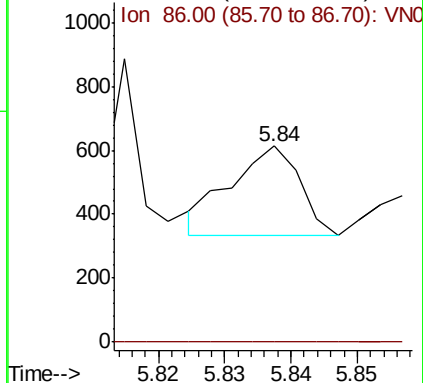
43 100

86 0.0 6.6 9.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#25

2-Butanone

Concen: 0.684 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VN062382.D

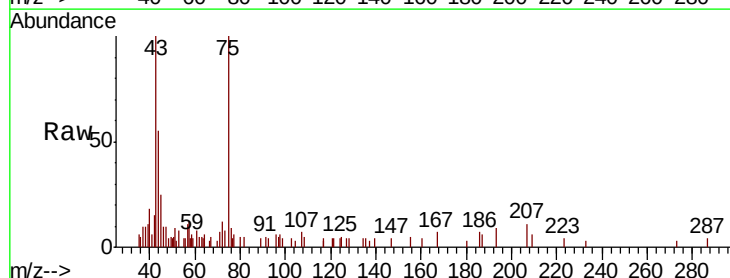
Acq: 6 Jul 2020 23:09

Tgt Ion: 43 Resp: 6753

Ion Ratio Lower Upper

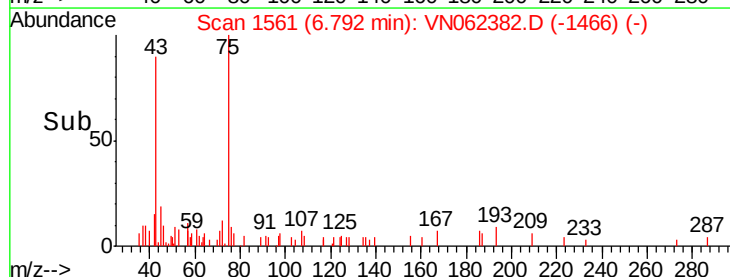
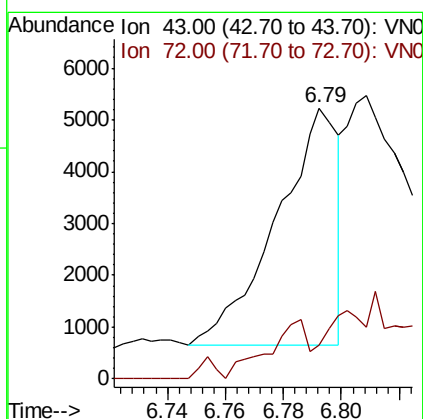
43 100

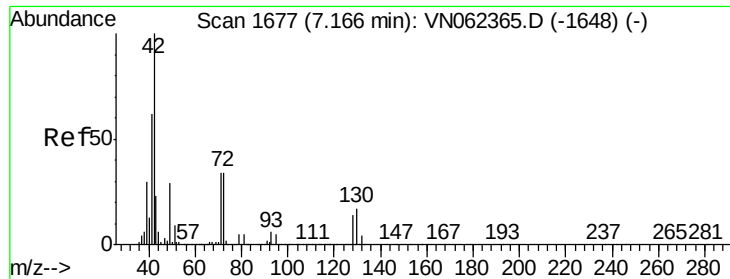
72 14.0 16.4 24.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.780 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN062382.D

Acq: 6 Jul 2020 23:09

Instrument :

MSVOA_N

ClientSampled :

VNJ-214

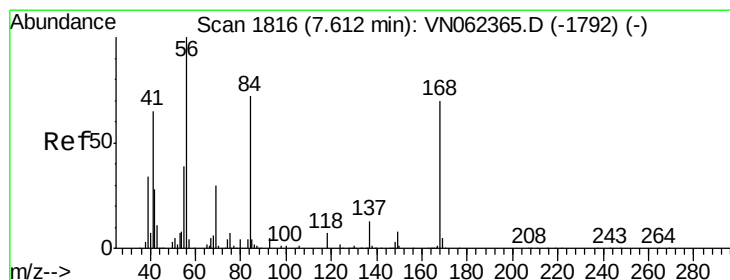
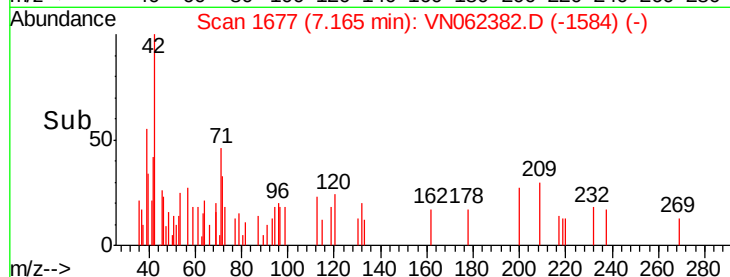
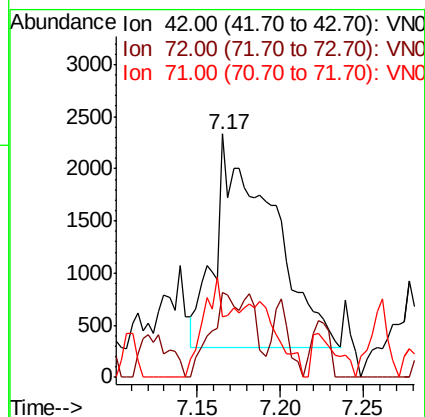
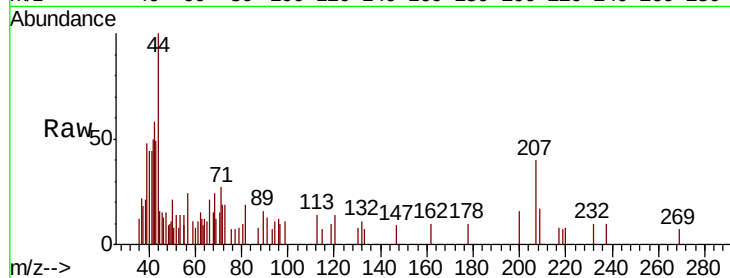
Tot Ion: 42 Resp: 4898

Ion Ratio Lower Upper

42 100

72 18.6 26.8 40.2#

71 17.8 26.0 39.0#



#31

Cyclohexane

Concen: 1.320 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.02 min

Lab File: VN062382.D

Acq: 6 Jul 2020 23:09

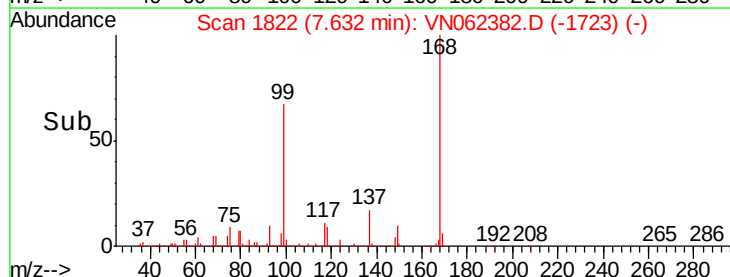
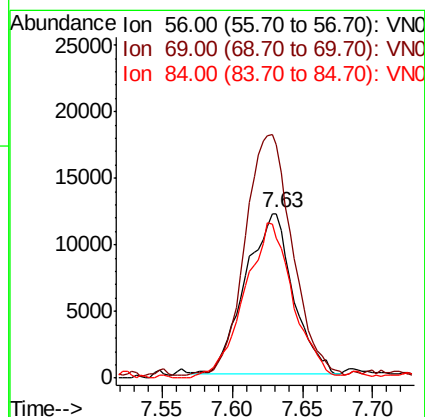
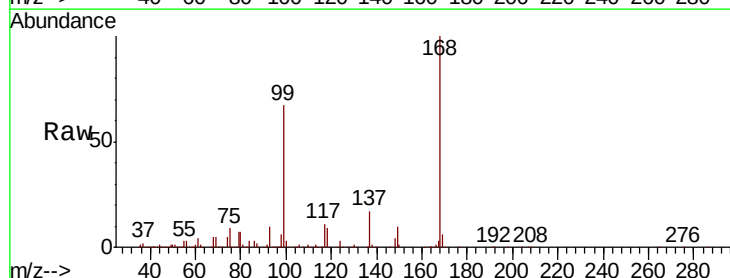
Tgt Ion: 56 Resp: 28476

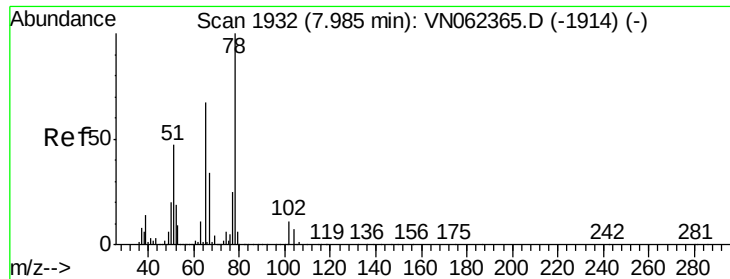
Ion Ratio Lower Upper

56 100

69 142.6 23.7 35.5#

84 87.0 57.2 85.8#





#33

1,2-Dichloroethane-d4

Concen: 50.682 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062382.D

Acq: 6 Jul 2020 23:09

Instrument :

MSVOA_N

ClientSampleId :

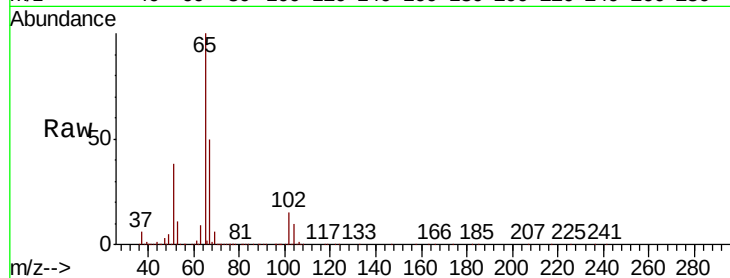
VNJ-214

Tot Ion: 65 Resp: 862121

Ion Ratio Lower Upper

65 100

67 50.0 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

7.99

400000

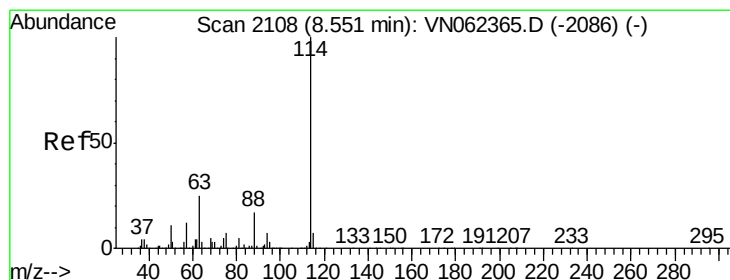
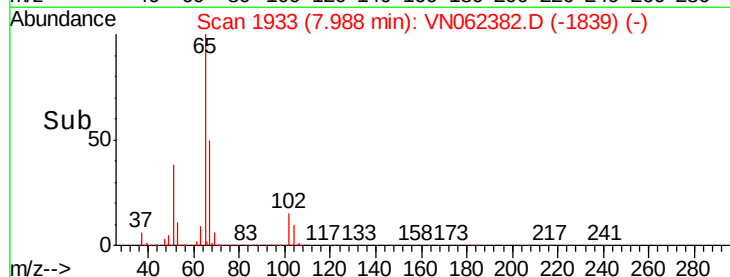
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062382.D

Acq: 6 Jul 2020 23:09

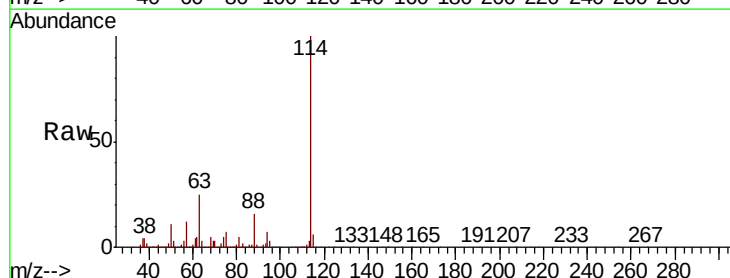
Tgt Ion: 114 Resp: 1687095

Ion Ratio Lower Upper

114 100

63 25.3 0.0 49.0

88 16.1 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.55

1000000

800000

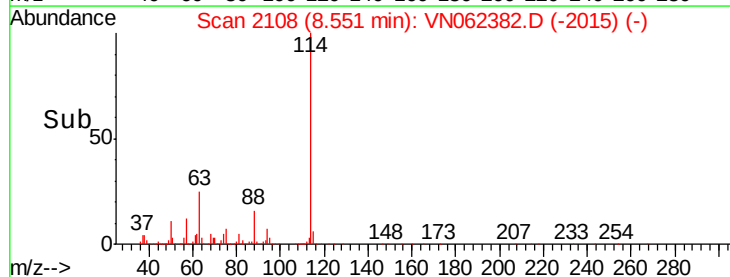
600000

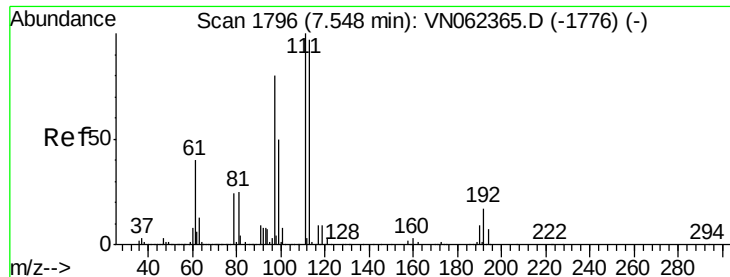
400000

200000

0

Time-->

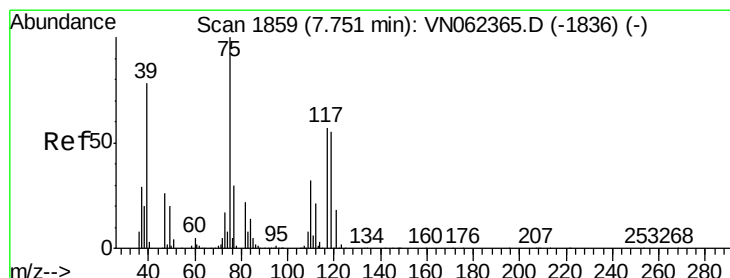
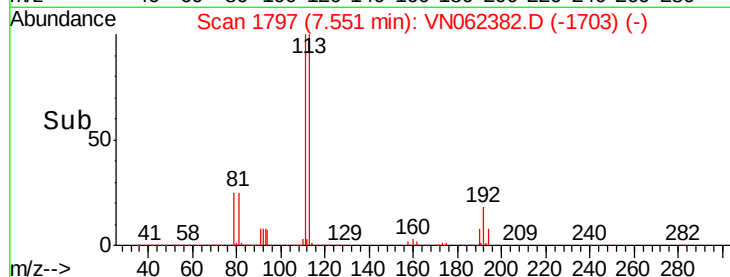
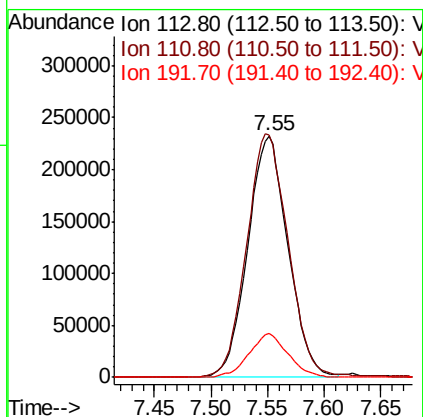
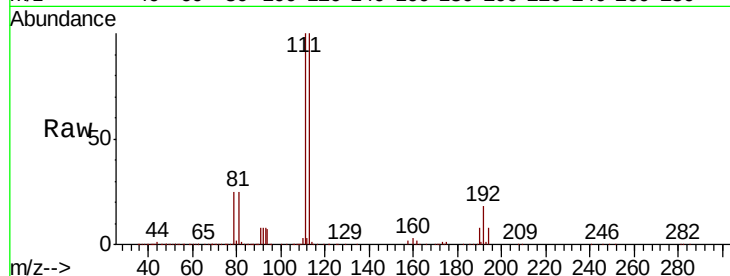




#35
 Dibromofluoromethane
 Concen: 49.830 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062382.D
 Acq: 6 Jul 2020 23:09

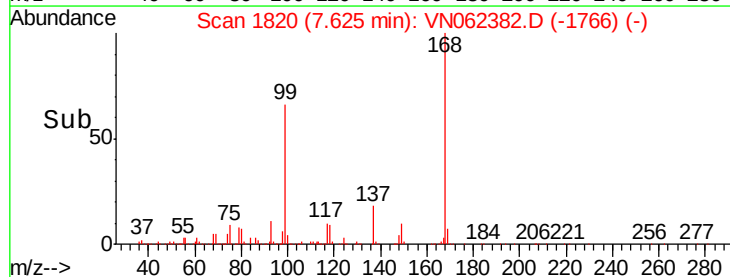
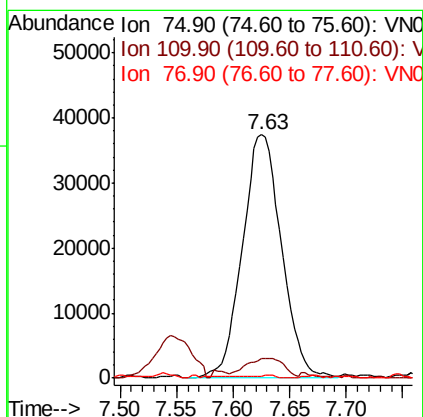
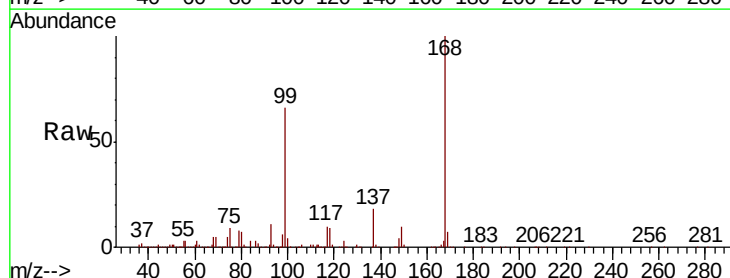
Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-214

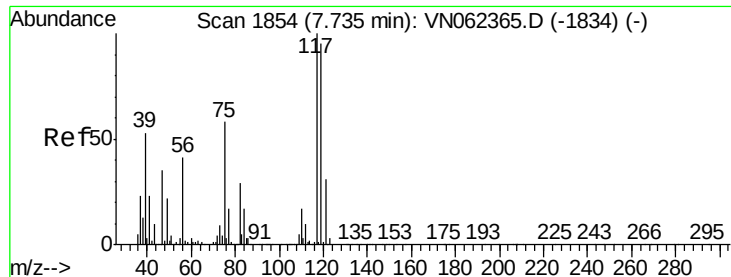
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	83.2	124.8
192	17.7	14.2	21.2



#36
 1,1-Dichloropropene
 Concen: 5.095 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062382.D
 Acq: 6 Jul 2020 23:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	15.7	47.1#
77	0.4	24.3	36.5#

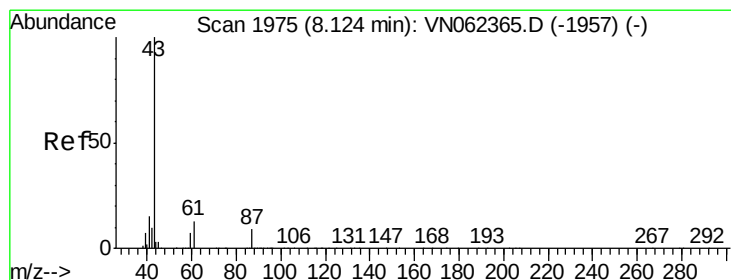
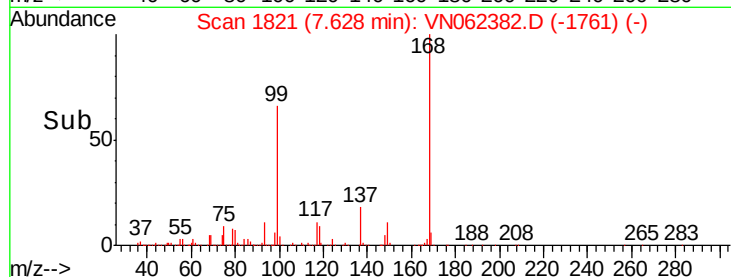
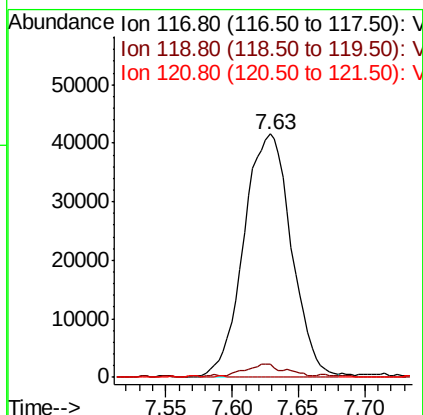
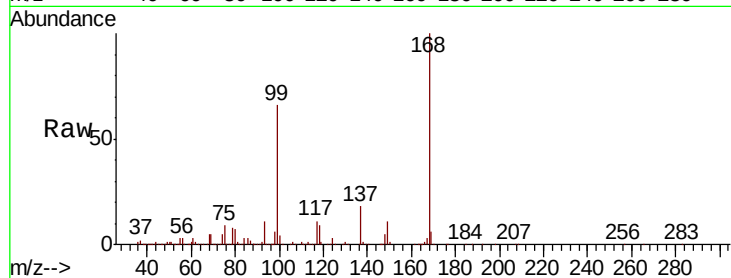




#38
Carbon Tetrachloride
Concen: 5.824 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.11 min
Lab File: VN062382.D
Acq: 6 Jul 2020 23:09

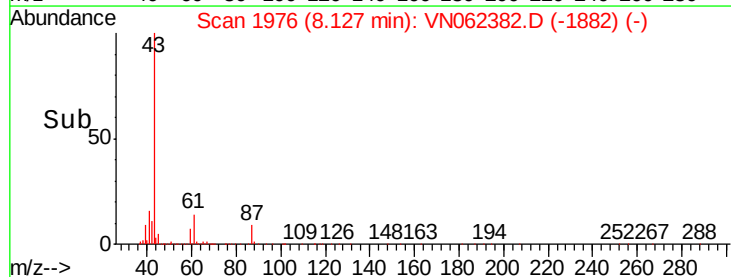
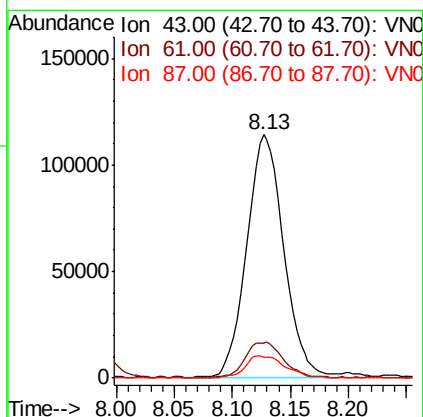
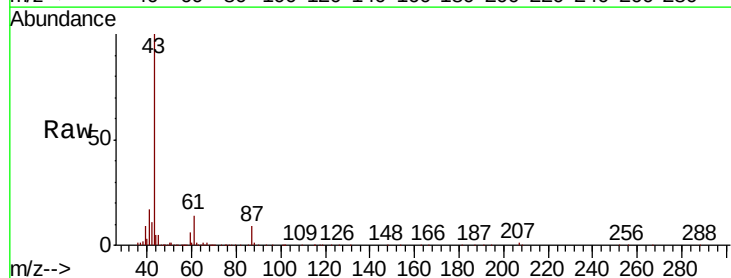
Instrument :
MSVOA_N
ClientSampled :
VNJ-214

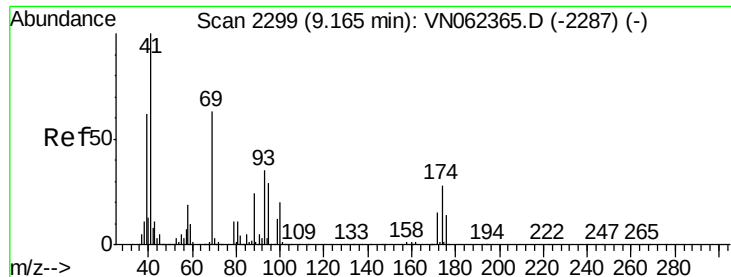
Tot Ion:117 Resp: 103833
Ion Ratio Lower Upper
117 100
119 5.2 75.9 113.9#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 7.220 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062382.D
Acq: 6 Jul 2020 23:09

Tgt Ion: 43 Resp: 253804
Ion Ratio Lower Upper
43 100
61 15.4 13.1 19.7
87 10.1 7.5 11.3

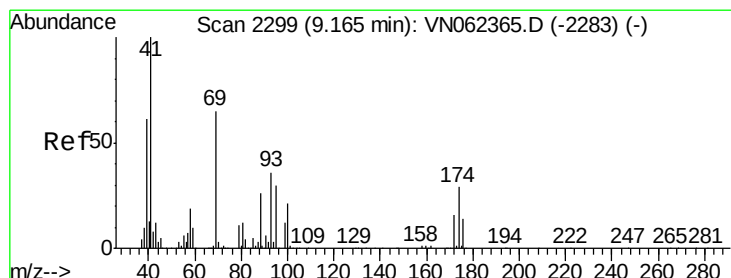
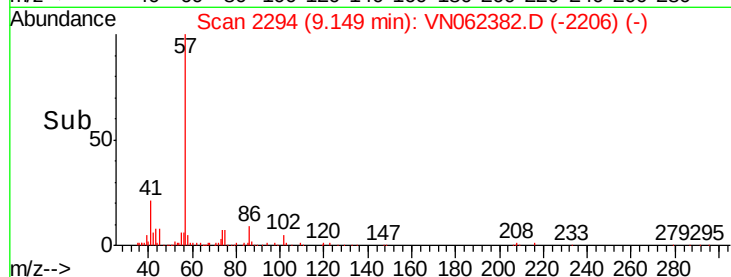
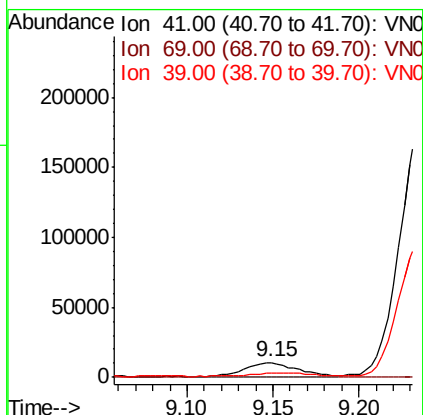
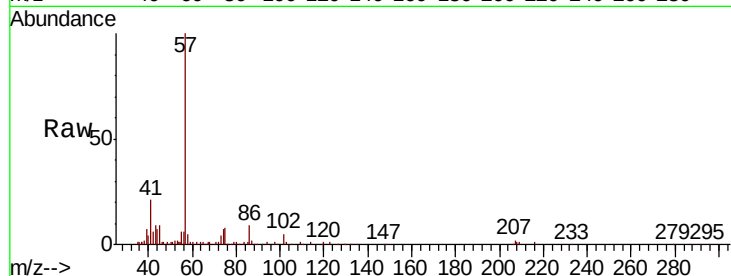




#48
Methvl methacrylate
Concen: 1.172 ug/l
RT: 9.15 min Scan# 2294
Delta R.T. -0.02 min
Lab File: VN062382.D
Acq: 6 Jul 2020 23:09

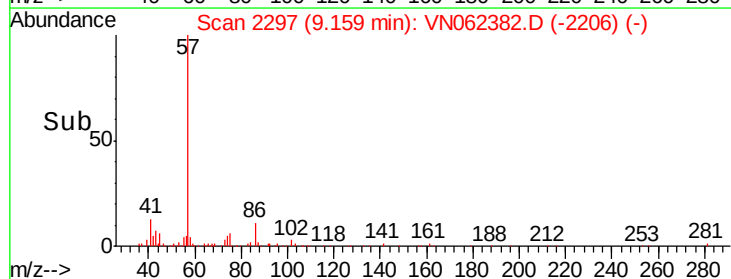
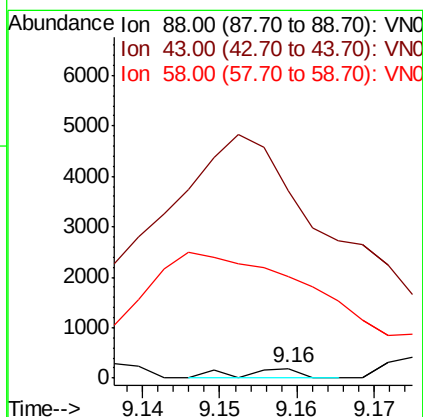
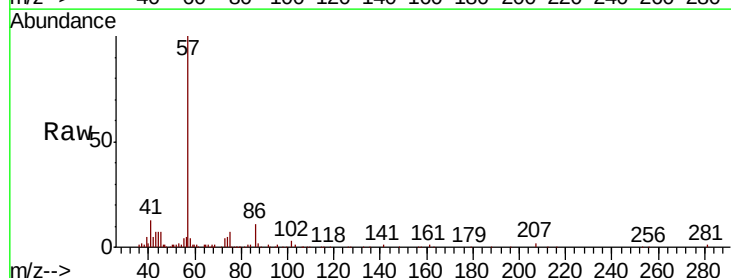
Instrument :
MSVOA_N
ClientSampled :
VNJ-214

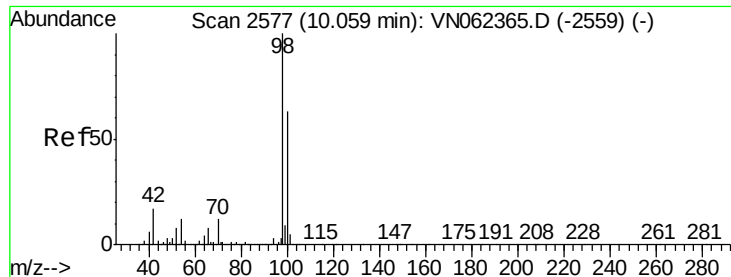
Tot Ion: 41 Resp: 21023
Ion Ratio Lower Upper
41 100
69 1.7 51.5 77.3#
39 0.0 51.2 76.8#



#49
1,4-Dioxane
Concen: 0.406 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.01 min
Lab File: VN062382.D
Acq: 6 Jul 2020 23:09

Tgt Ion: 88 Resp: 99
Ion Ratio Lower Upper
88 100
43 0.0 34.0 51.0#
58 0.0 63.0 94.4#





#50

Toluene-d8

Concen: 51.947 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062382.D

Acq: 6 Jul 2020 23:09

Instrument :

MSVOA_N

ClientSampleId :

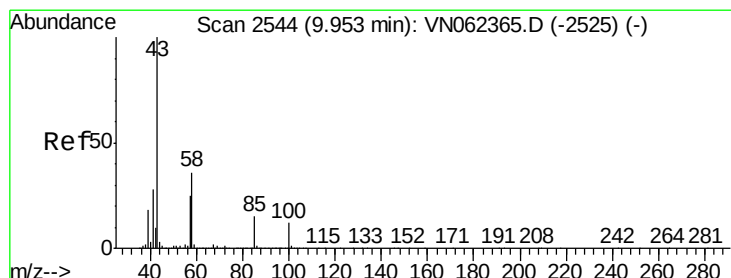
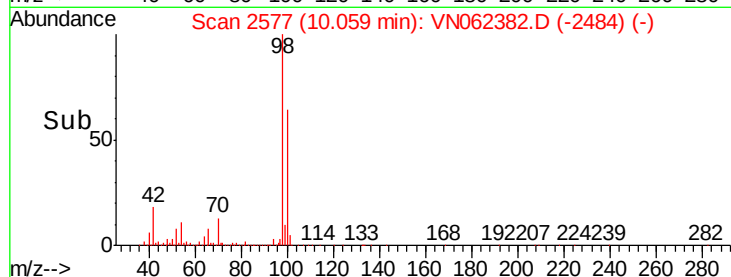
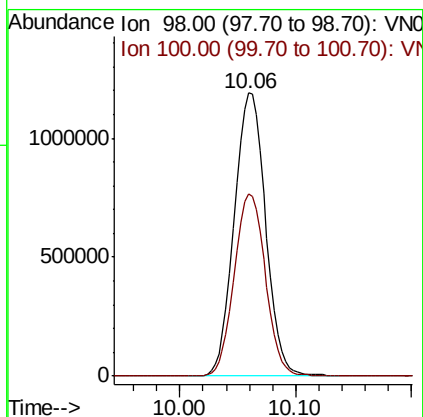
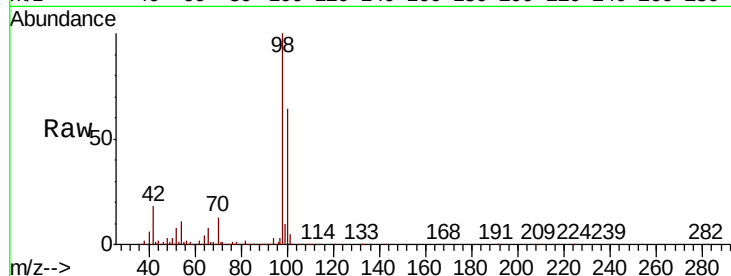
VNJ-214

Tot Ion: 98 Resp: 2234964

Ion Ratio Lower Upper

98 100

100 64.1 50.2 75.2



#51

4-Methyl-2-Pentanone

Concen: 1.047 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062382.D

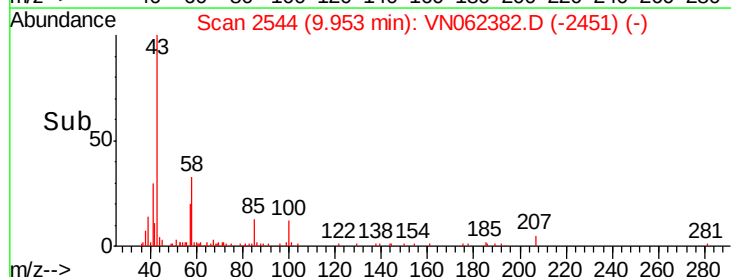
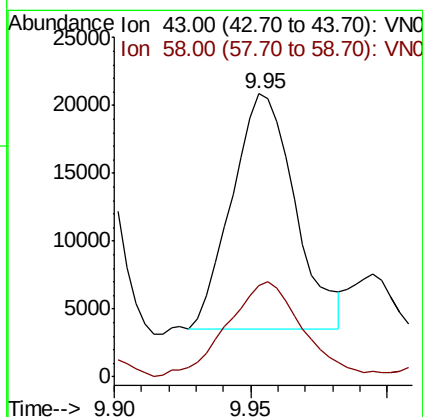
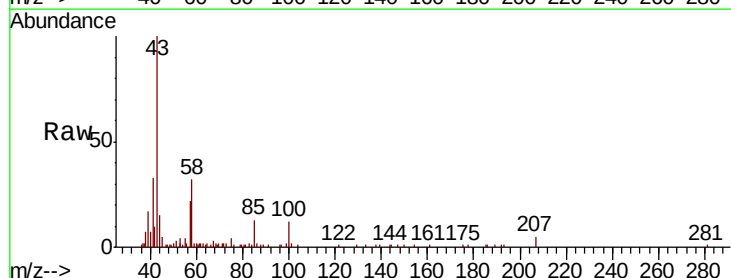
Acq: 6 Jul 2020 23:09

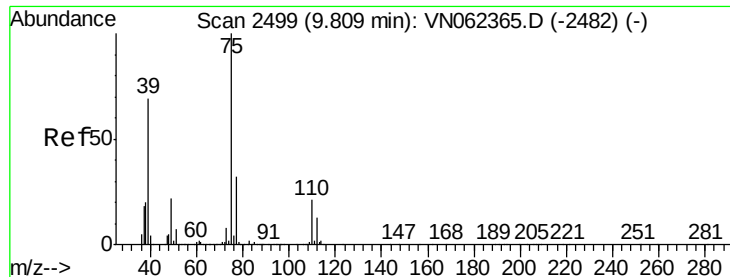
Tgt Ion: 43 Resp: 27939

Ion Ratio Lower Upper

43 100

58 48.6 27.6 41.4#





#54

cis-1,3-Dichloropropene

Concen: 4.295 ug/l

RT: 9.88 min Scan# 2520

Delta R.T. 0.07 min

Lab File: VN062382.D

Acq: 6 Jul 2020 23:09

Instrument :

MSVOA_N

ClientSampleId :

VNJ-214

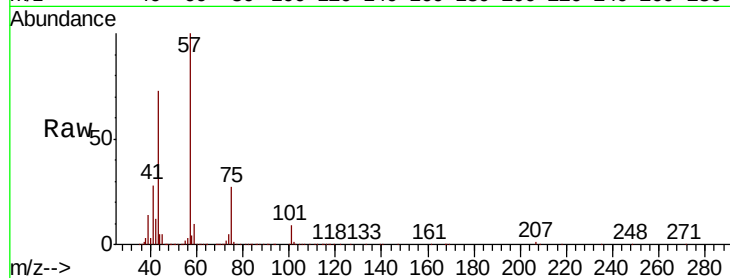
Tot Ion: 75 Resp: 96041

Ion Ratio Lower Upper

75 100

77 0.3 26.0 39.0#

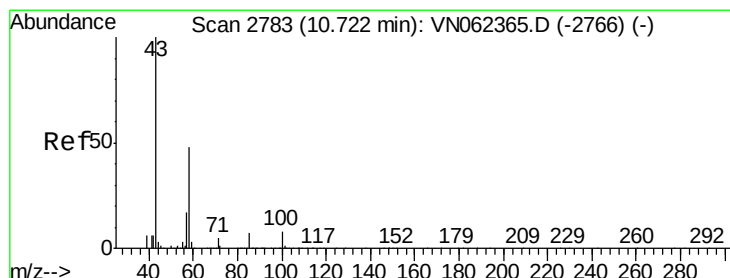
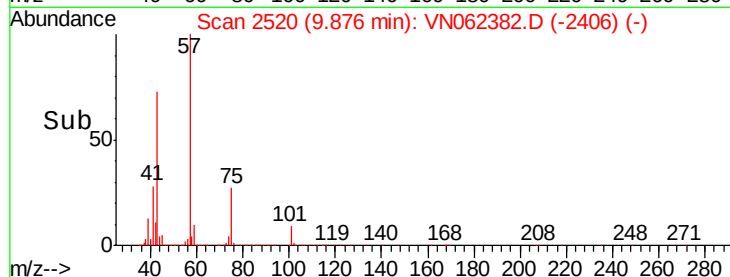
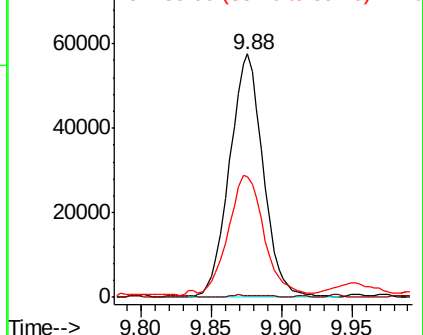
39 47.0 55.3 82.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 14.952 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.02 min

Lab File: VN062382.D

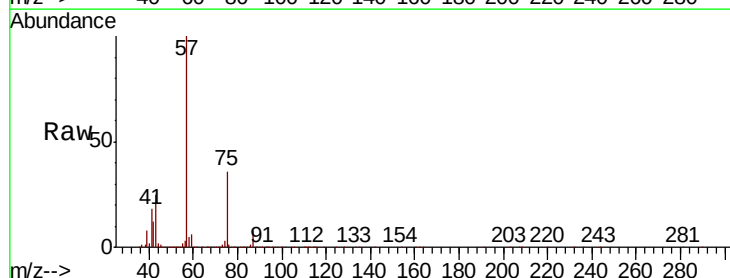
Acq: 6 Jul 2020 23:09

Tgt Ion: 43 Resp: 213013

Ion Ratio Lower Upper

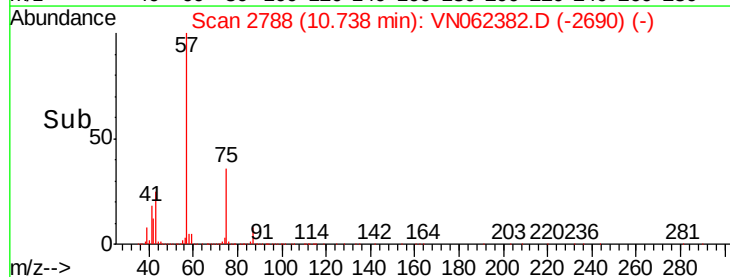
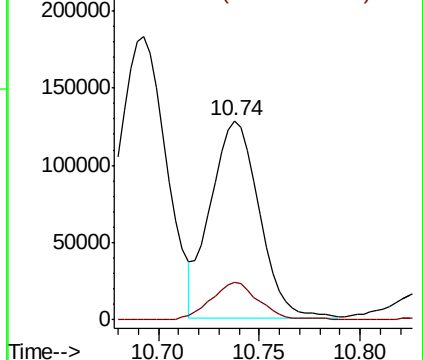
43 100

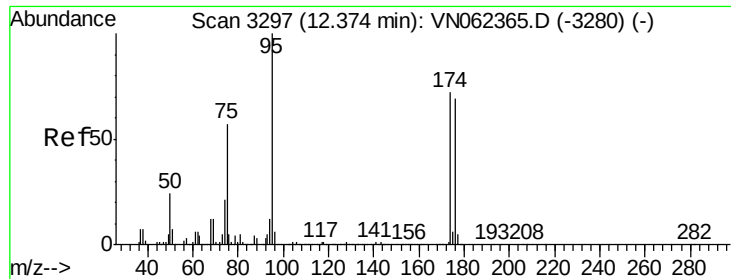
58 18.5 23.5 70.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 49.348 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062382.D

Acq: 6 Jul 2020 23:09

Instrument :

MSVOA_N

ClientSampleId :

VNJ-214

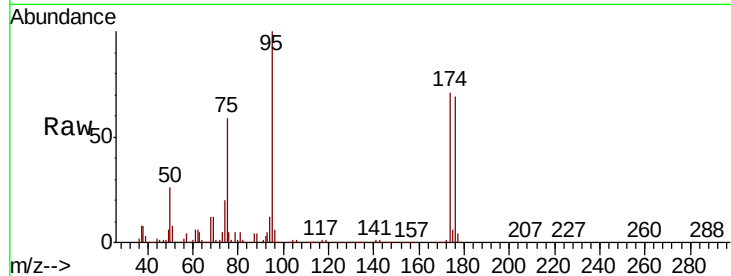
Tot Ion: 95 Resp: 813139

Ion Ratio Lower Upper

95 100

174 71.6 0.0 145.8

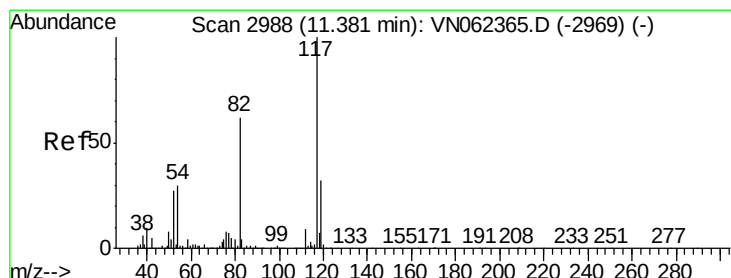
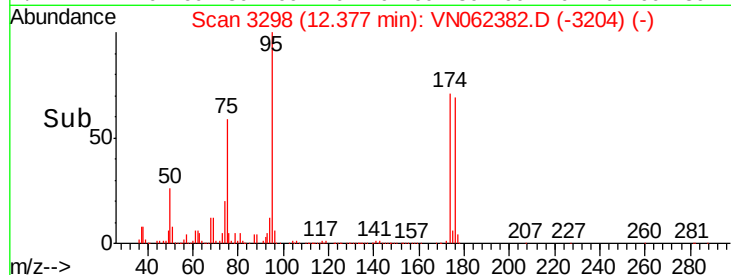
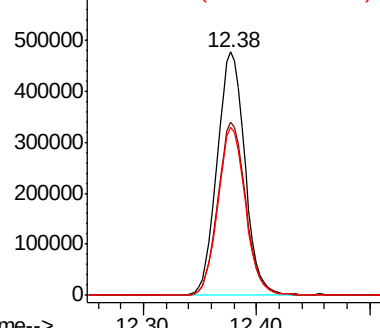
176 68.8 0.0 140.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062382.D

Acq: 6 Jul 2020 23:09

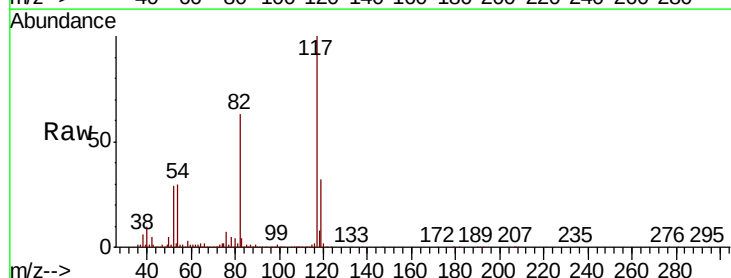
Tgt Ion: 117 Resp: 1696225

Ion Ratio Lower Upper

117 100

82 62.5 49.4 74.2

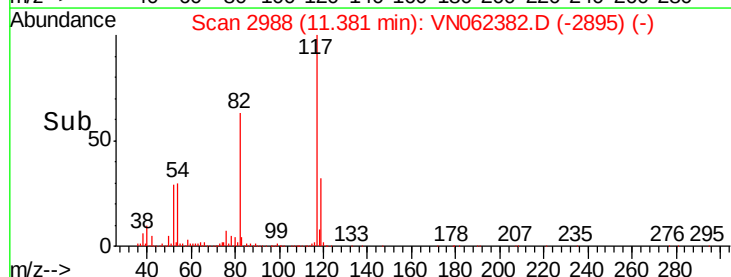
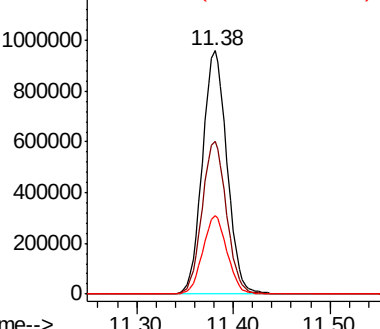
119 32.4 25.6 38.4

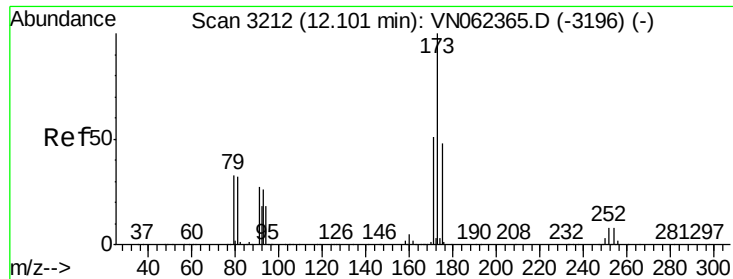


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 0.265 ug/l

RT: 12.37 min Scan# 3295

Delta R.T. 0.27 min

Lab File: VN062382.D

Acq: 6 Jul 2020 23:09

Instrument :

MSVOA_N

ClientSampleId :

VNJ-214

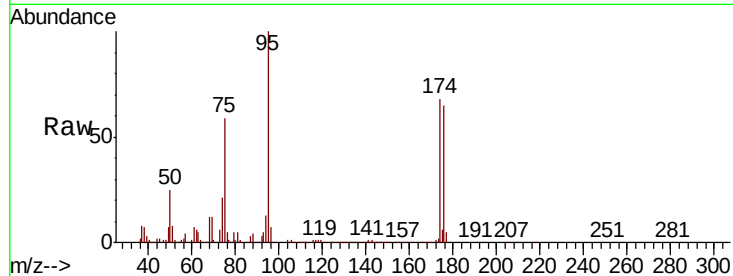
Tot Ion:173 Resp: 2722

Ion Ratio Lower Upper

173 100

175 1483.5 24.1 72.2#

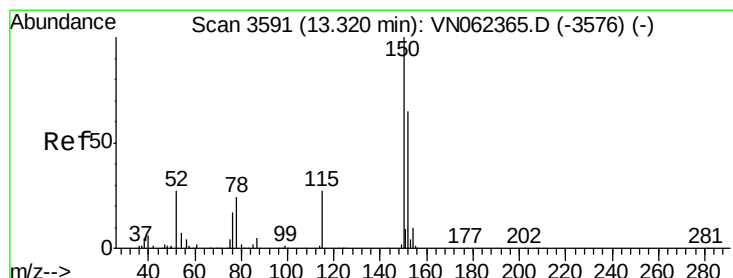
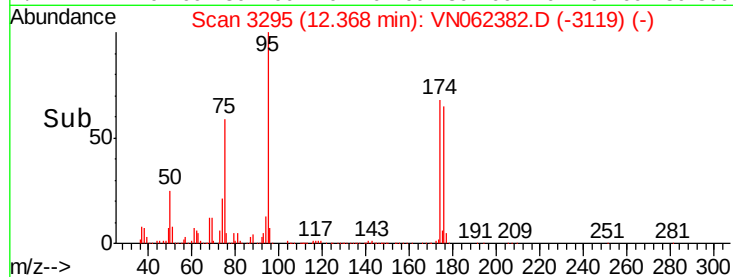
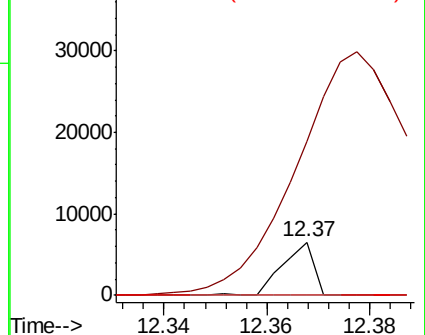
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062382.D

Acq: 6 Jul 2020 23:09

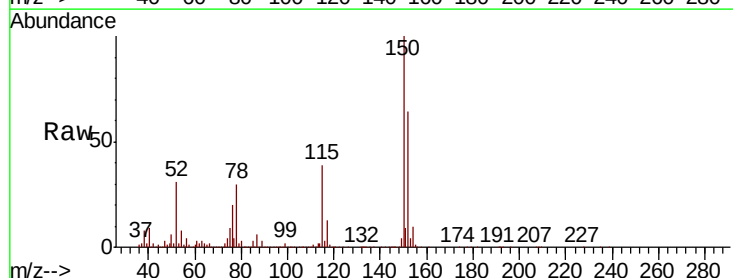
Tgt Ion:152 Resp: 643734

Ion Ratio Lower Upper

152 100

115 63.0 30.5 91.5

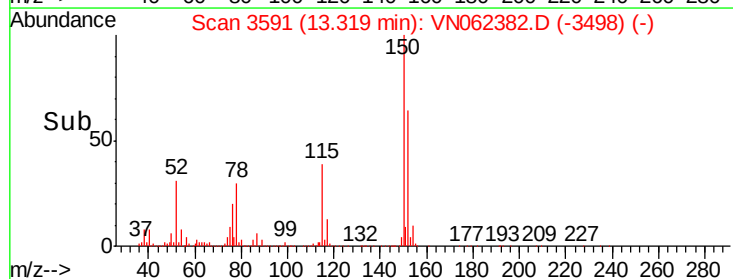
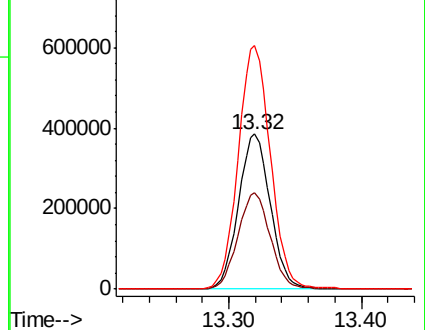
150 159.1 0.0 346.8

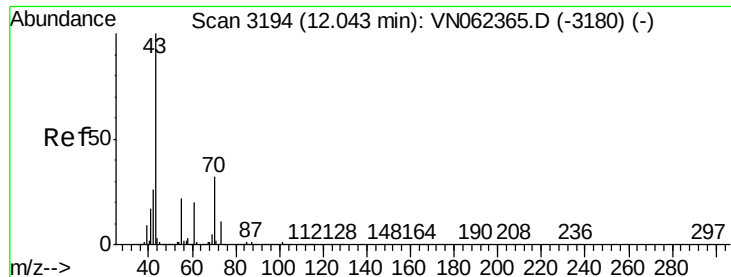


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

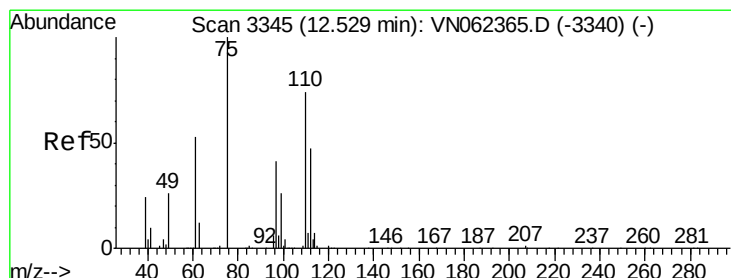
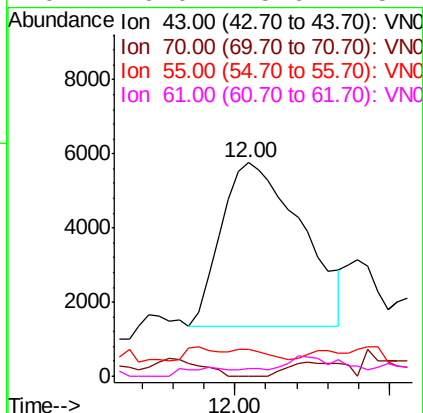
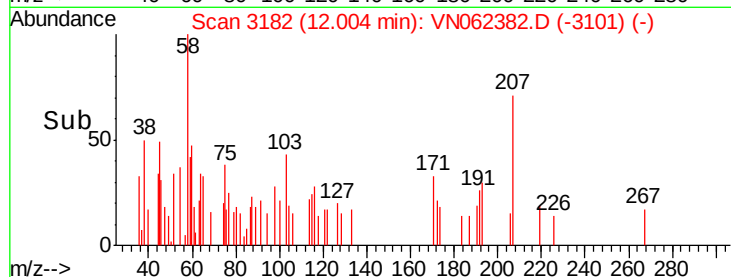
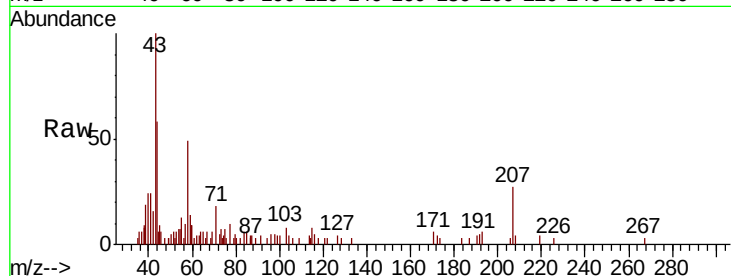




#74
N-amvl acetate
Concen: 0.313 ug/l
RT: 12.00 min Scan# 3182
Delta R.T. -0.04 min
Lab File: VN062382.D
Acq: 6 Jul 2020 23:09

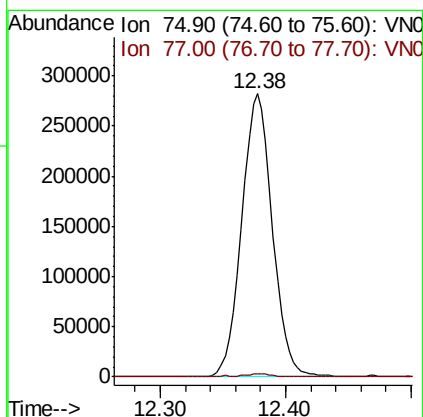
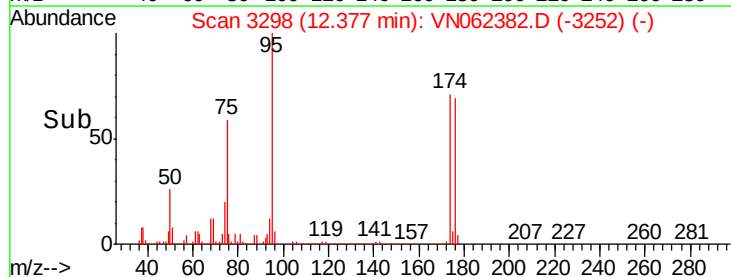
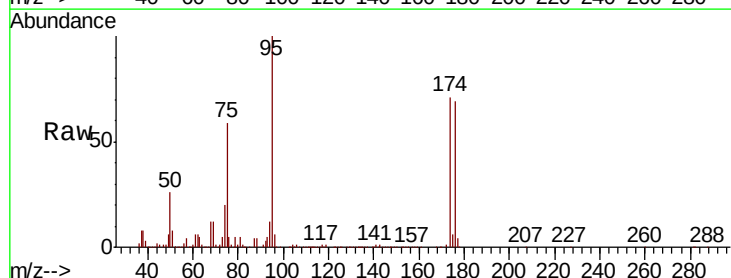
Instrument :
MSVOA_N
ClientSampled :
VNJ-214

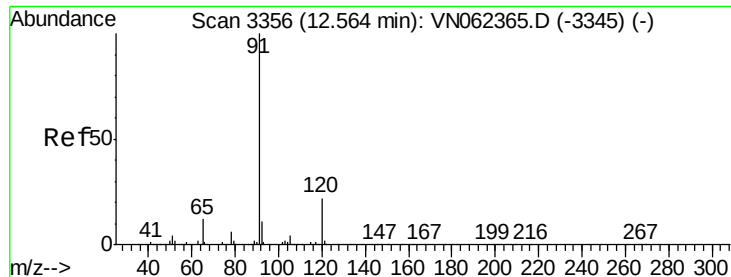
Tot Ion: 43 Resp: 8013
Ion Ratio Lower Upper
43 100
70 0.0 25.9 38.9#
55 0.0 17.4 26.0#
61 0.0 15.6 23.4#



#76
1,2,3-Trichloropropane
Concen: 30.876 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.15 min
Lab File: VN062382.D
Acq: 6 Jul 2020 23:09

Tgt Ion: 75 Resp: 480083
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#78

n-propylbenzene

Concen: 0.287 ug/l

RT: 12.46 min Scan# 3323

Delta R.T. -0.11 min

Lab File: VN062382.D

Acq: 6 Jul 2020 23:09

Instrument :

MSVOA_N

ClientSampled :

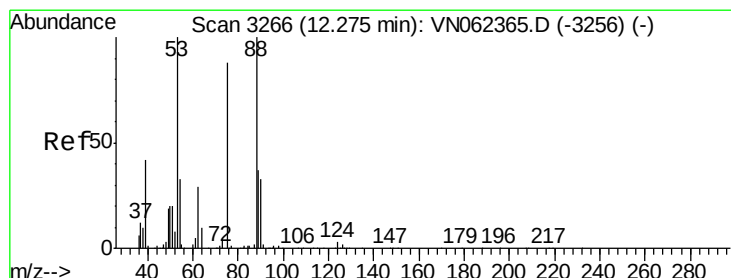
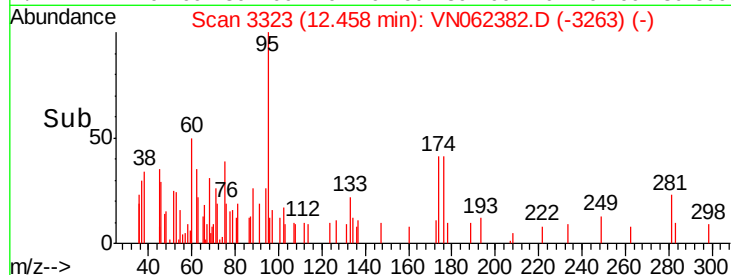
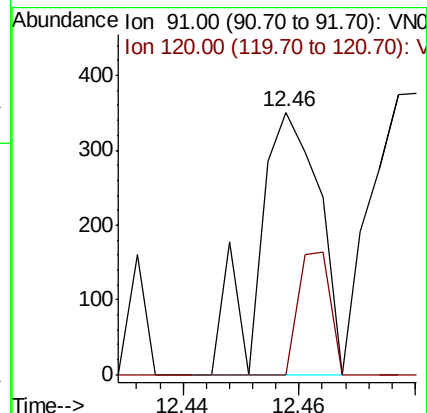
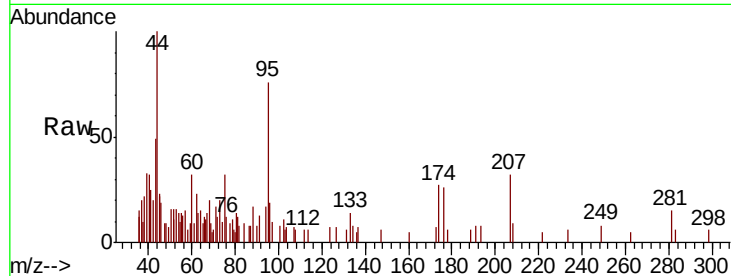
VNJ-214

Tot Ion: 91 Resp: 260

Ion Ratio Lower Upper

91 100

120 24.2 10.9 32.6



#81

trans-1,4-Dichloro-2-butene

Concen: 88.296 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062382.D

Acq: 6 Jul 2020 23:09

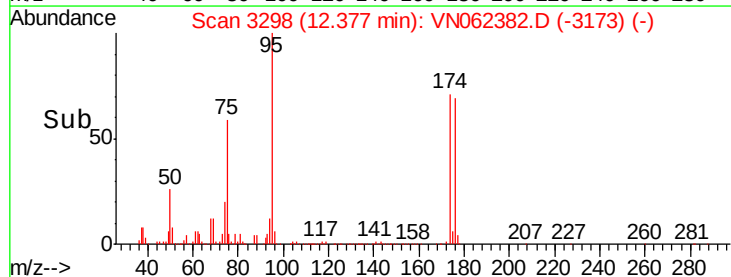
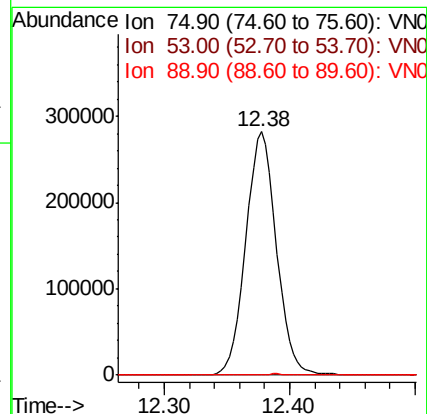
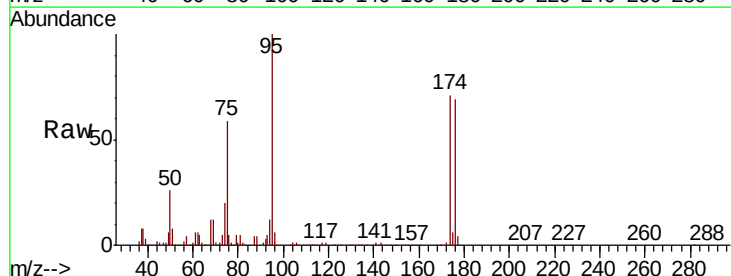
Tgt Ion: 75 Resp: 480083

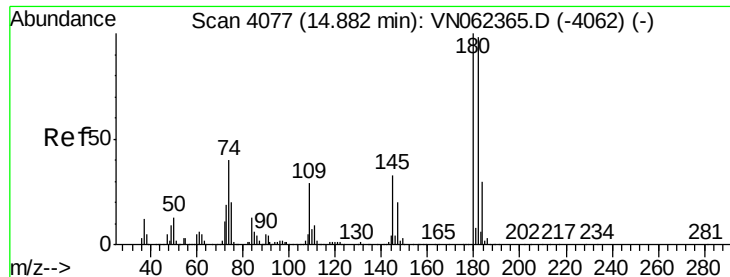
Ion Ratio Lower Upper

75 100

53 0.1 92.3 138.5#

89 0.0 37.0 55.4#





#93

1,2,4-Trichlorobenzene

Concen: 2.781 ug/l

RT: 14.89 min Scan# 4079

Delta R.T. 0.01 min

Lab File: VN062382.D

Acq: 6 Jul 2020 23:09

Instrument :

MSVOA_N

ClientSampled :

VNJ-214

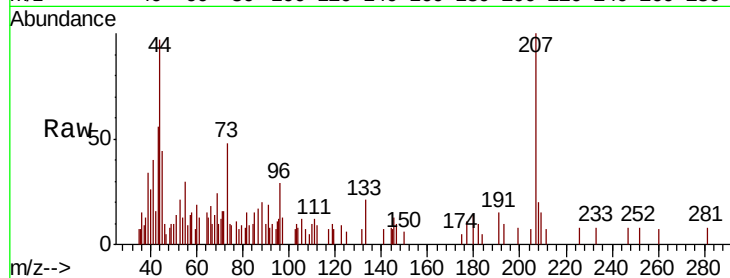
Tot Ion:180 Resp: 552

Ion Ratio Lower Upper

180 100

182 95.7 47.6 142.8

145 119.9 15.9 47.7#

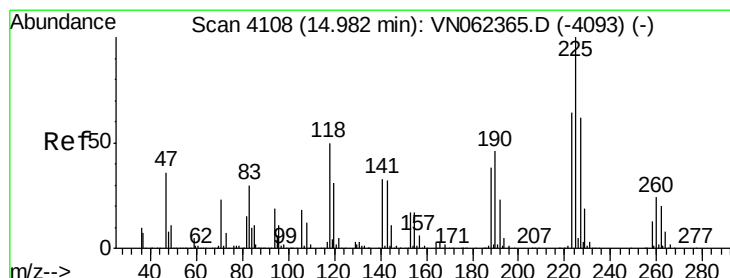
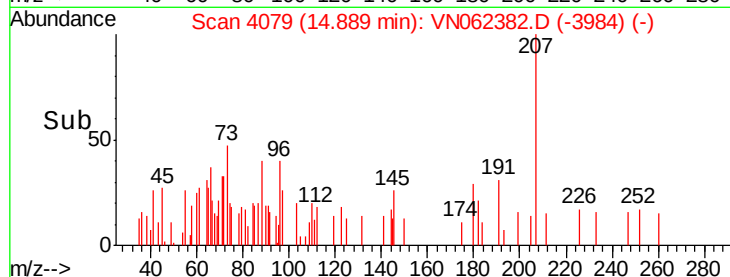
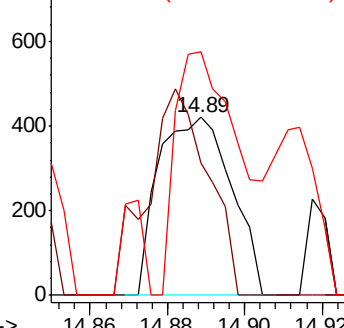


Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 14.97 min Scan# 4105

Delta R.T. -0.01 min

Lab File: VN062382.D

Acq: 6 Jul 2020 23:09

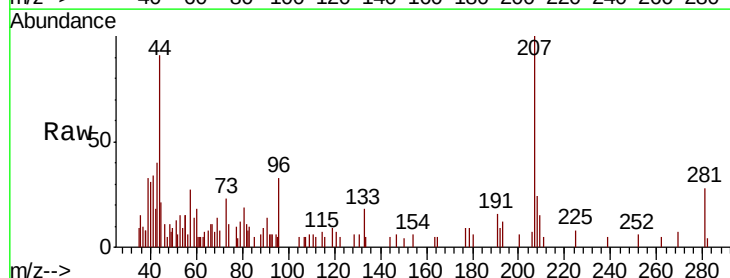
Tgt Ion:225 Resp: 206

Ion Ratio Lower Upper

225 100

223 0.0 31.7 95.1#

227 45.1 30.3 90.8

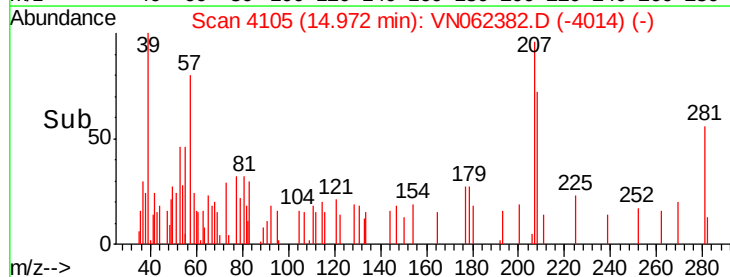
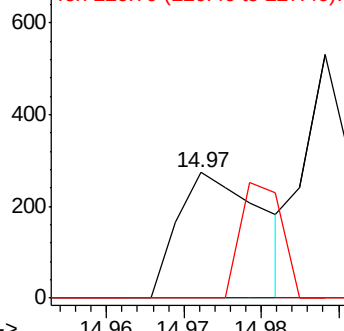


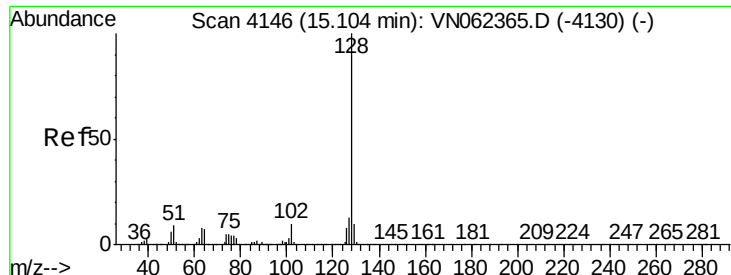
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 2.228 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062382.D

Acq: 6 Jul 2020 23:09

Instrument :

MSVOA_N

ClientSampleId :

VNJ-214

Tot Ion:128 Resp: 4622

Ion Ratio Lower Upper

128 100

127 6.3 10.8 16.2#

129 3.7 8.6 12.8#

