

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
 Data File : VN064247.D
 Acq On : 22 Oct 2020 5:00
 Operator : JC/MD
 Sample : L4467-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-240

Quant Time: Oct 22 05:54:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	255039	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	449957	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	451907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	210863	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	199347	52.63	ug/l	0.00
Spiked Amount						
			Recovery	=	105.26%	
35) Dibromofluoromethane	7.55	113	151614	50.68	ug/l	0.00
Spiked Amount						
			Recovery	=	101.36%	
50) Toluene-d8	10.06	98	569591	52.49	ug/l	0.00
Spiked Amount						
			Recovery	=	104.98%	
62) 4-Bromofluorobenzene	12.38	95	249719	56.76	ug/l	0.00
Spiked Amount						
			Recovery	=	113.52%	

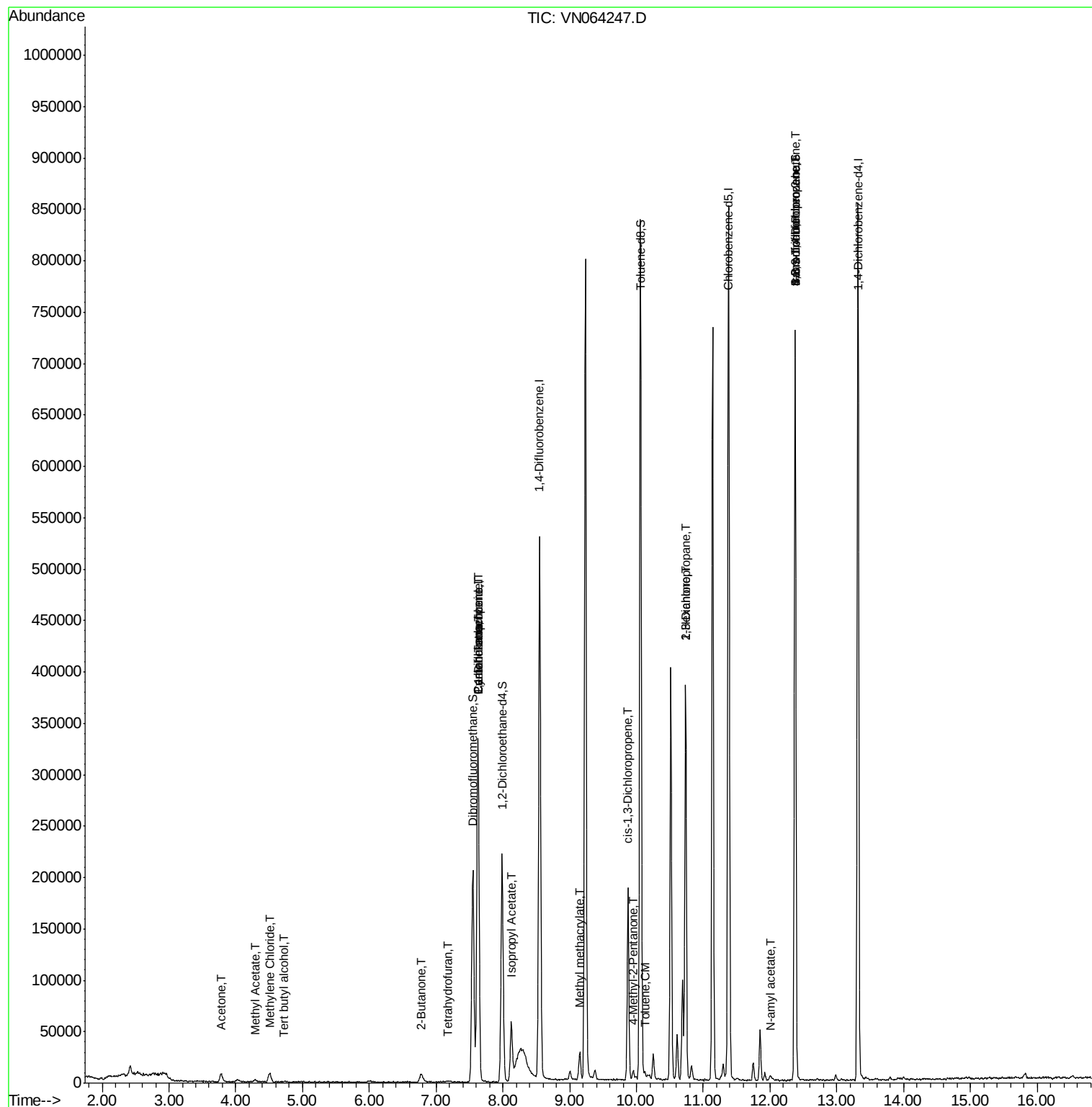
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	627	1.237	ug/l #	70
16) Acetone	3.77	43	13949	12.872	ug/l	97
18) Methyl Acetate	4.28	43	3740	1.354	ug/l #	71
20) Methylene Chloride	4.50	84	5844	2.022	ug/l	89
25) 2-Butanone	6.78	43	3561	2.068	ug/l #	84
29) Tetrahydrofuran	7.17	42	310	0.301	ug/l #	47
31) Cyclohexane	7.62	56	3829	0.853	ug/l #	25
36) 1,1-Dichloropropene	7.62	75	22179	4.944	ug/l #	47
38) Carbon Tetrachloride	7.63	117	28189	5.523	ug/l #	14
43) Isopropyl Acetate	8.12	43	75062	9.889	ug/l #	90
48) Methyl methacrylate	9.14	41	3019	0.761	ug/l #	17
51) 4-Methyl-2-Pentanone	9.95	43	7011	1.728	ug/l	89
52) Toluene	10.13	92	2287	0.289	ug/l	86
54) cis-1,3-Dichloropropene	9.87	75	29854	5.205	ug/l #	58
57) 1,3-Dichloropropane	10.74	76	3917	0.754	ug/l #	42
59) 2-Hexanone	10.74	43	63269	21.355	ug/l #	54
71) Bromoform	12.38	173	1393	0.486	ug/l #	1
74) N-amyl acetate	12.00	43	3068	0.441	ug/l #	50
76) 1,2,3-Trichloropropane	12.38	75	135206	30.415	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	135206	76.790	ug/l #	9

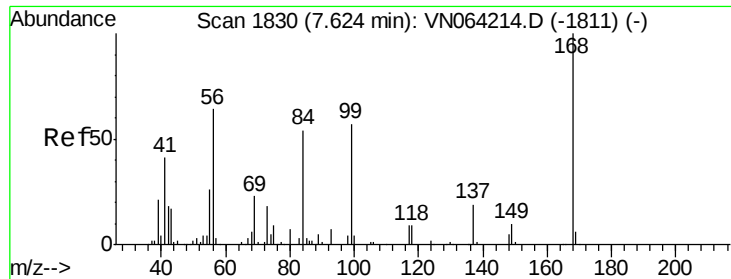
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 21 12:48:40 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064247.D

Acq: 22 Oct 2020 5:00

Instrument :

MSVOA_N

ClientSampleId :

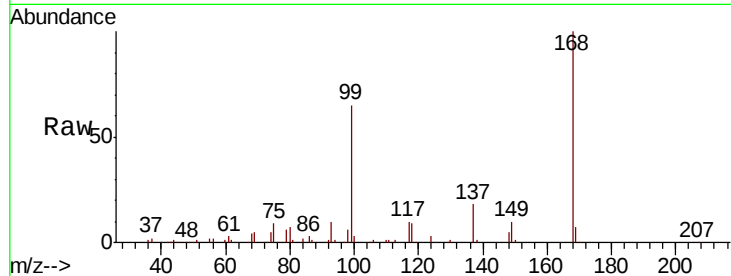
VNJ-240

Tot Ion:168 Resp: 255039

Ion Ratio Lower Upper

168 100

99 64.9 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): VN064214.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN064214.D (-1811) (-)

7.63

120000

100000

80000

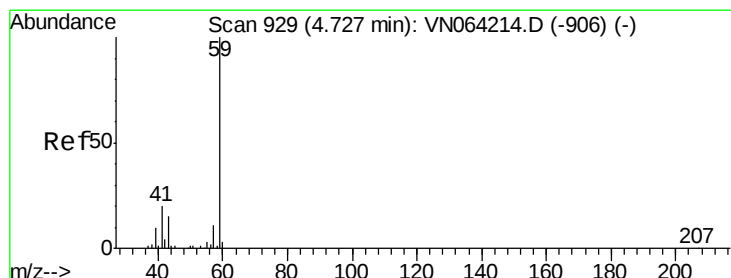
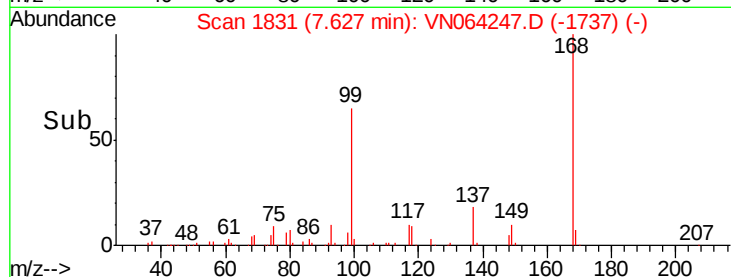
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 1.237 ug/l

RT: 4.72 min Scan# 927

Delta R.T. -0.01 min

Lab File: VN064247.D

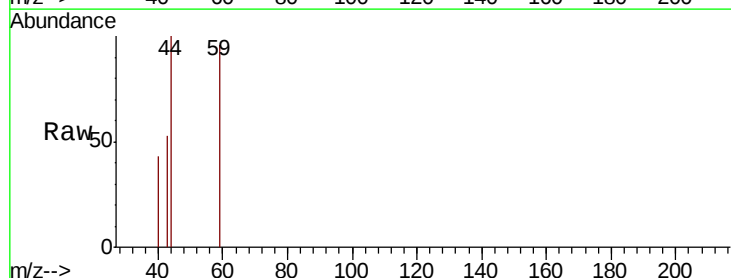
Acq: 22 Oct 2020 5:00

Tgt Ion: 59 Resp: 627

Ion Ratio Lower Upper

59 100

57 0.0 9.2 13.8#



Abundance Ion 59.00 (58.70 to 59.70): VN064214.D (-906) (-)

Ion 57.00 (56.70 to 57.70): VN064214.D (-906) (-)

4.72

500

400

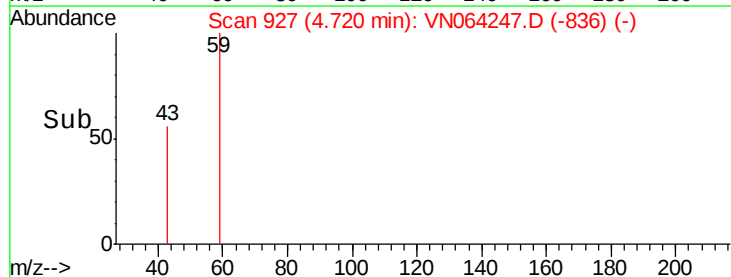
300

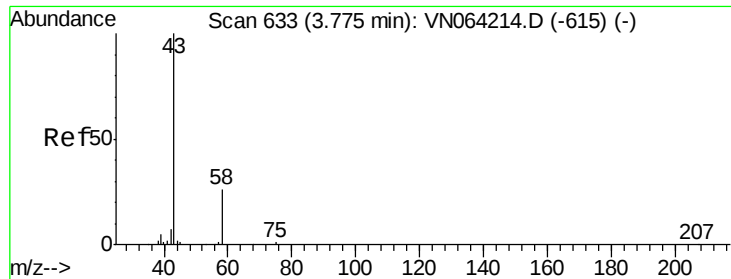
200

100

0

Time--> 4.68 4.70 4.72 4.74 4.76

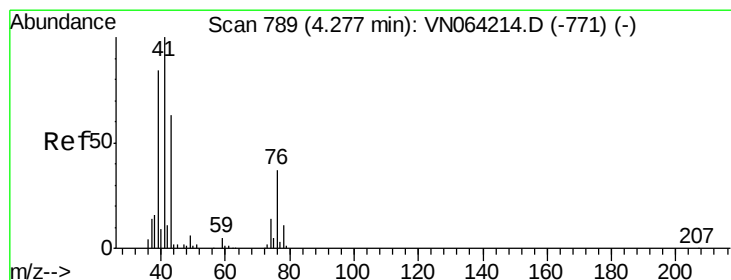
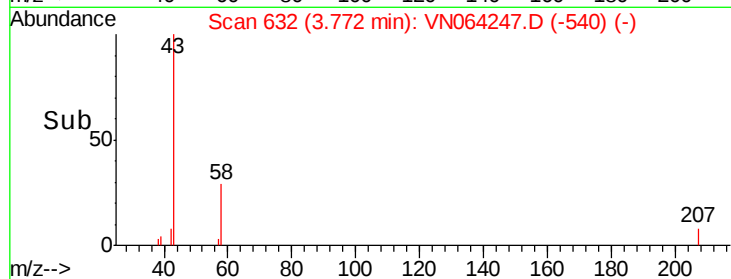
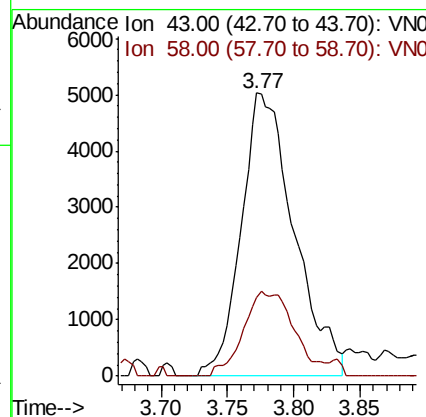
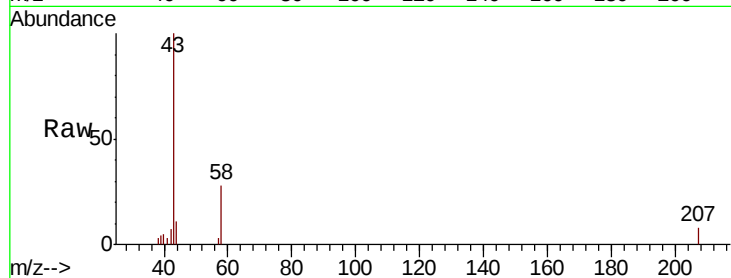




#16
Acetone
Concen: 12.872 ug/l
RT: 3.77 min Scan# 632
Delta R.T. -0.00 min
Lab File: VN064247.D
Acq: 22 Oct 2020 5:00

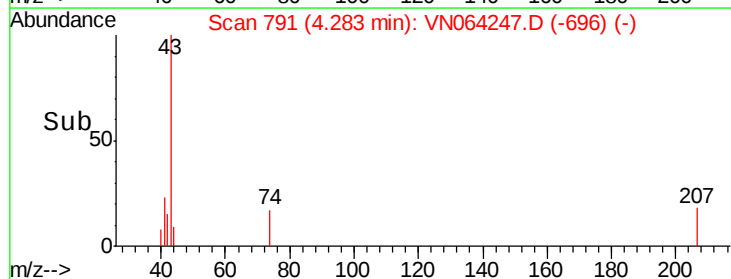
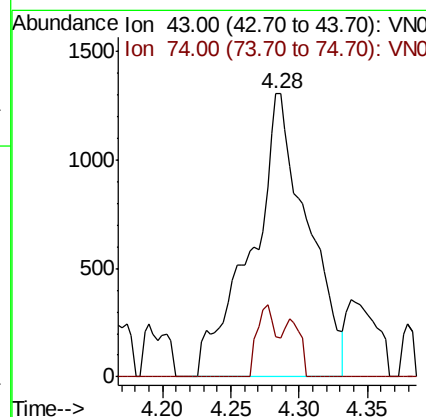
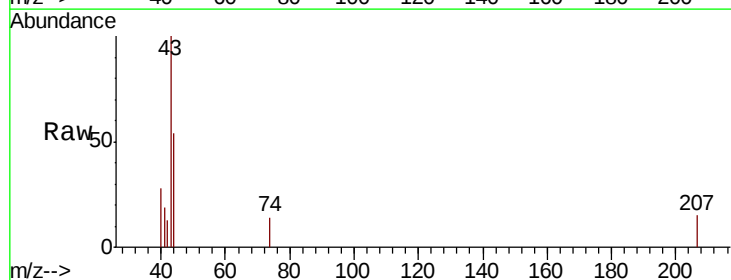
Instrument :
MSVOA_N
ClientSampleId :
VNJ-240

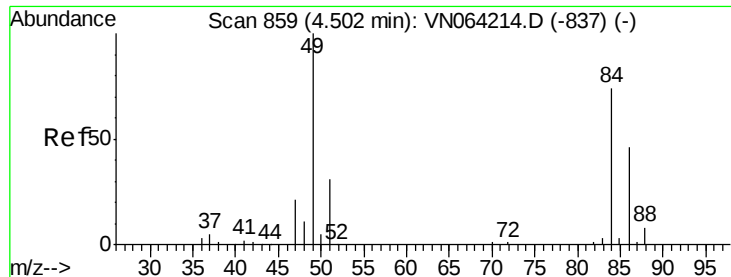
Tot Ion: 43 Resp: 13949
Ion Ratio Lower Upper
43 100
58 27.6 21.0 31.4



#18
Methyl Acetate
Concen: 1.354 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN064247.D
Acq: 22 Oct 2020 5:00

Tgt Ion: 43 Resp: 3740
Ion Ratio Lower Upper
43 100
74 8.6 17.9 26.9#

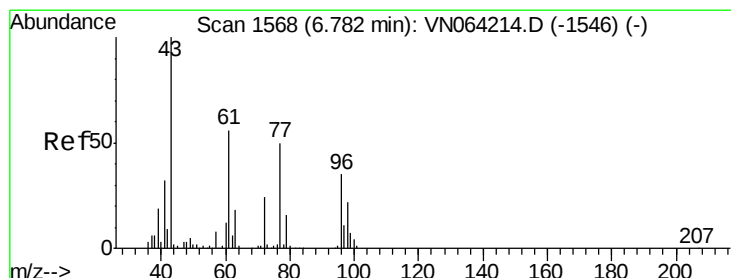
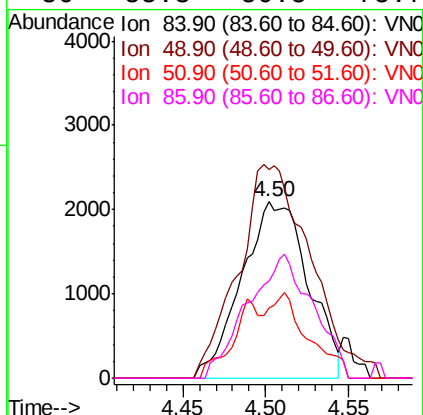
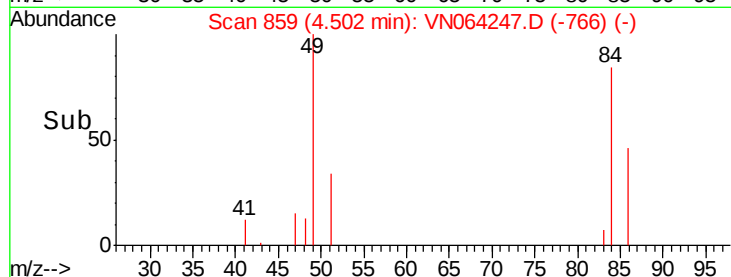
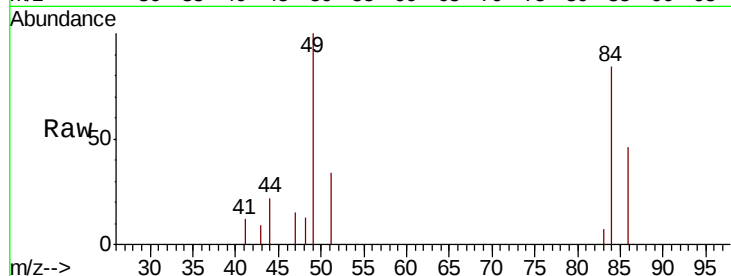




#20
Methvlene Chloride
Concen: 2.022 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064247.D
Acq: 22 Oct 2020 5:00

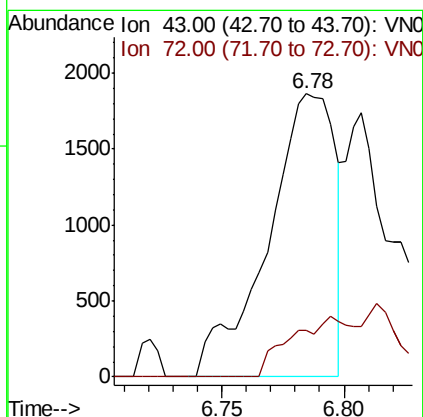
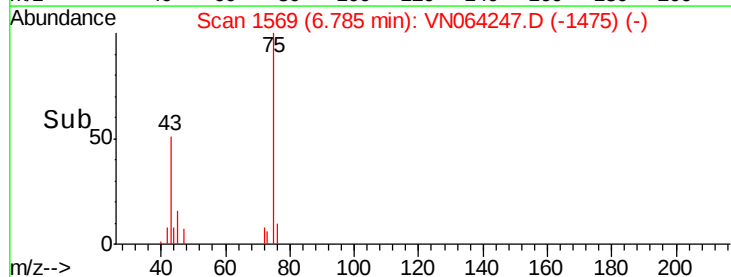
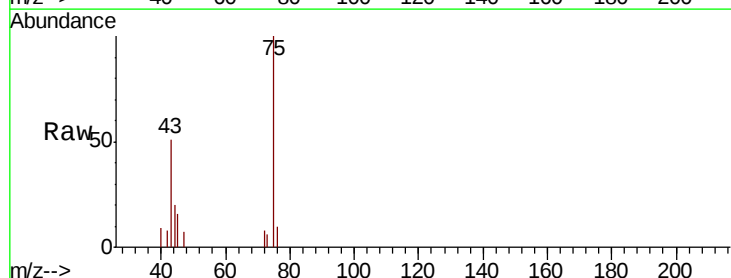
Instrument :
MSVOA_N
ClientSampleId :
VNJ-240

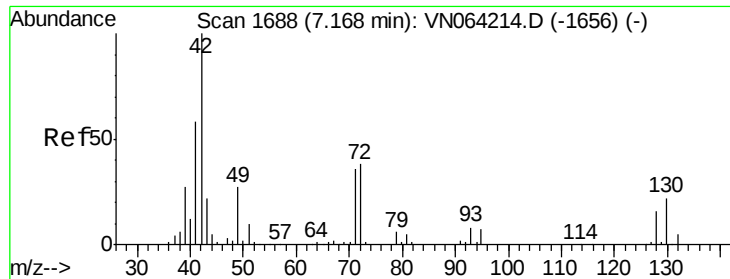
Tot Ion: 84 Resp: 5844
Ion Ratio Lower Upper
84 100
49 118.9 108.5 162.7
51 40.1 33.8 50.8
86 55.3 50.5 75.7



#25
2-Butanone
Concen: 2.068 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN064247.D
Acq: 22 Oct 2020 5:00

Tgt Ion: 43 Resp: 3561
Ion Ratio Lower Upper
43 100
72 16.4 19.4 29.0#





#29

Tetrahydrofuran

Concen: 0.301 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VN064247.D

Acq: 22 Oct 2020 5:00

Instrument :

MSVOA_N

ClientSampleId :

VNJ-240

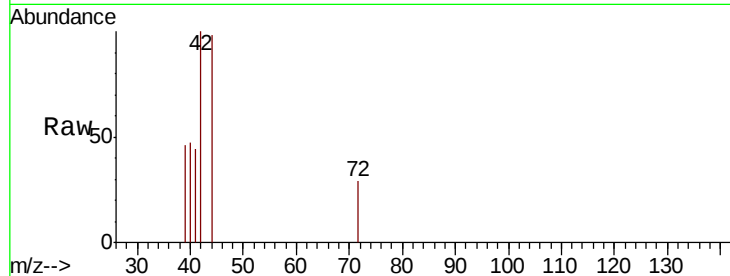
Tot Ion: 42 Resp: 310

Ion Ratio Lower Upper

42 100

72 11.0 30.8 46.2#

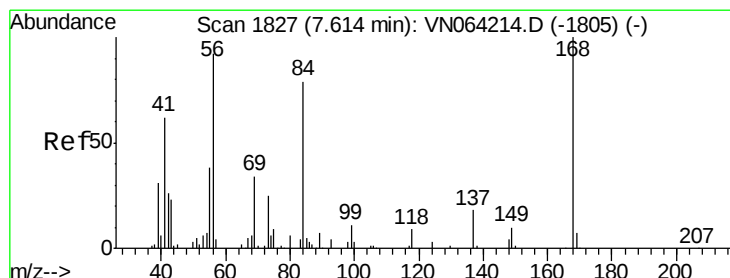
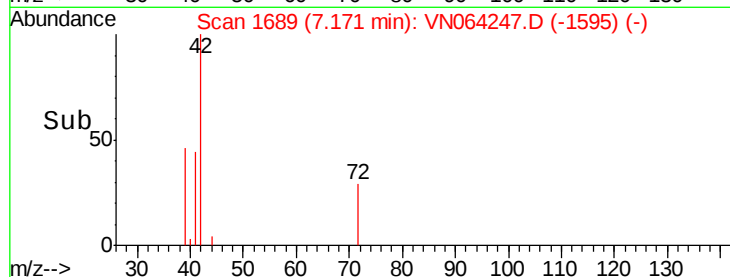
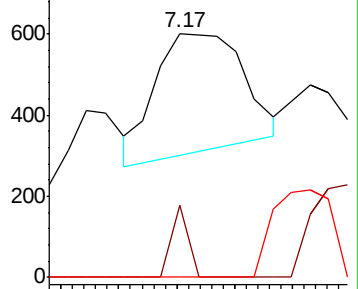
71 0.0 29.0 43.6#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 0.853 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN064247.D

Acq: 22 Oct 2020 5:00

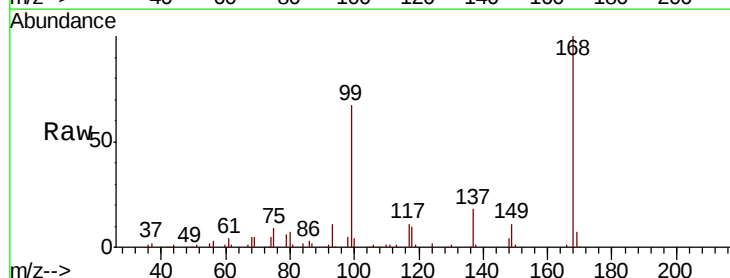
Tgt Ion: 56 Resp: 3829

Ion Ratio Lower Upper

56 100

69 180.0 29.8 44.6#

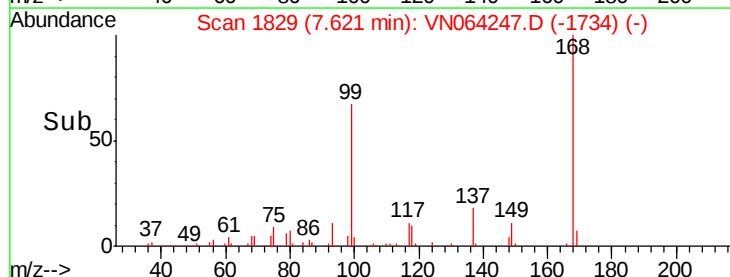
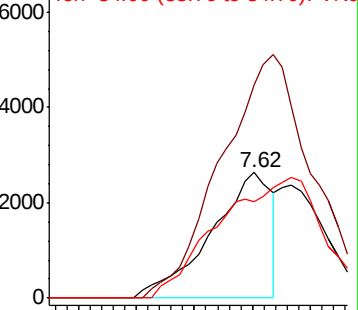
84 82.0 68.1 102.1

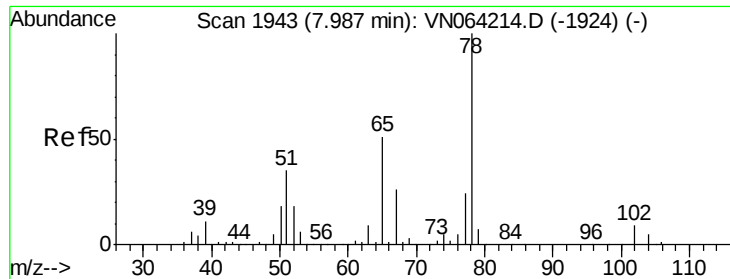


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 52.633 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064247.D

Acq: 22 Oct 2020 5:00

Instrument :

MSVOA_N

ClientSampleId :

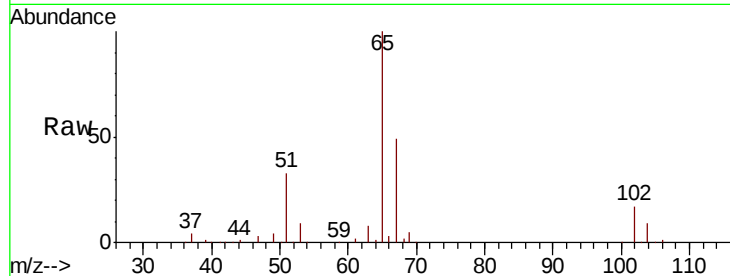
VNJ-240

Tot Ion: 65 Resp: 199347

Ion Ratio Lower Upper

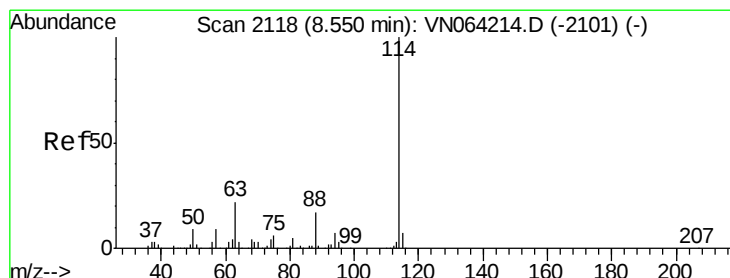
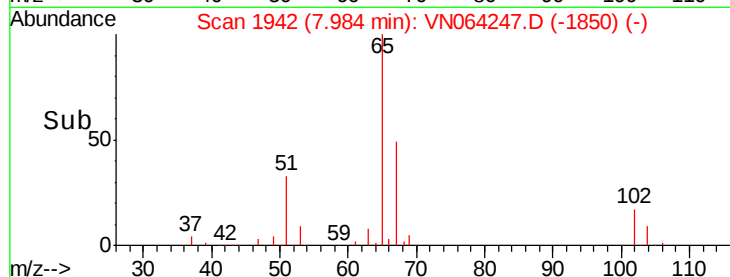
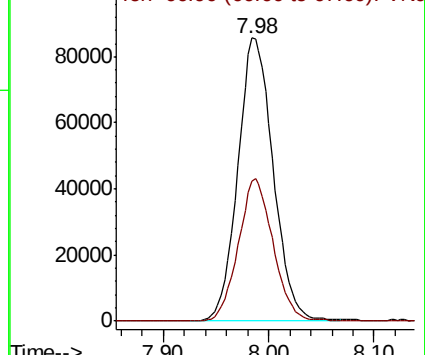
65 100

67 49.7 0.0 100.2



Abundance Ion 64.90 (64.60 to 65.60): VN064214.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN064214.D (-1924) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064247.D

Acq: 22 Oct 2020 5:00

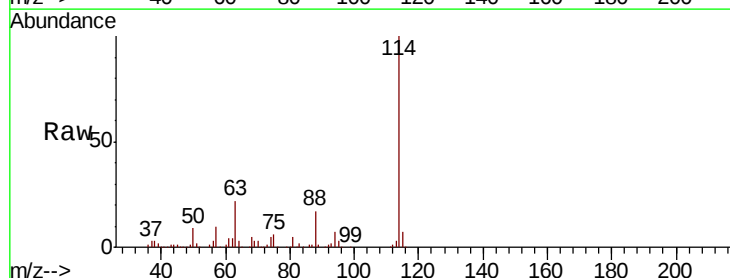
Tgt Ion: 114 Resp: 449957

Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.0

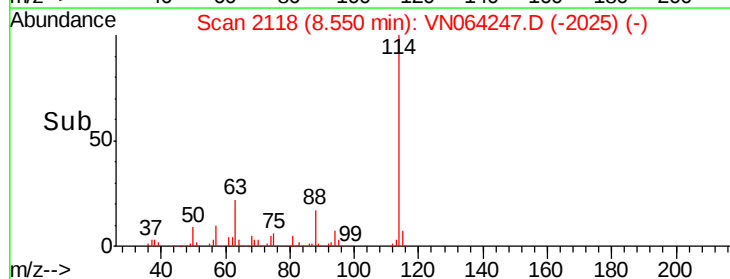
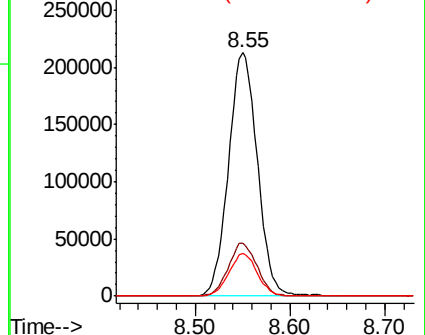
88 17.4 0.0 34.2

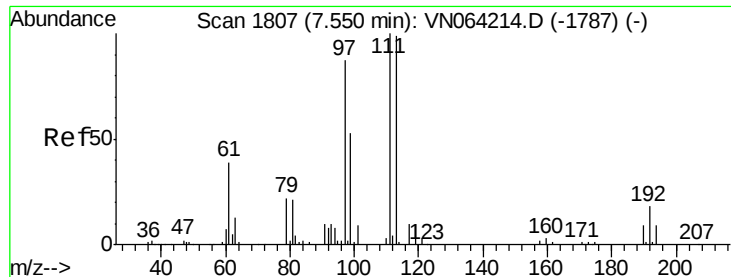


Abundance Ion 113.90 (113.60 to 114.60): VN064214.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN064214.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN064214.D (-2101) (-)

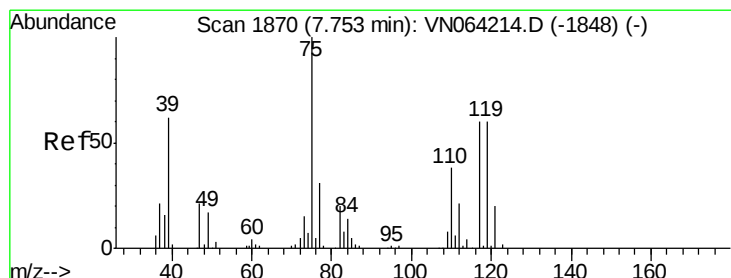
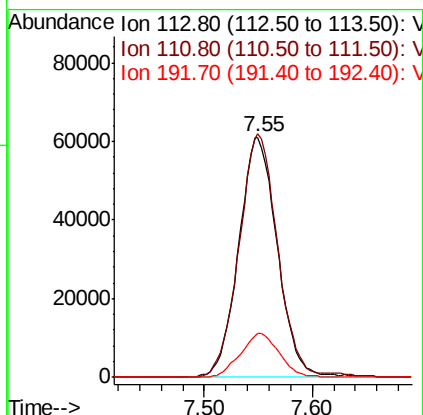
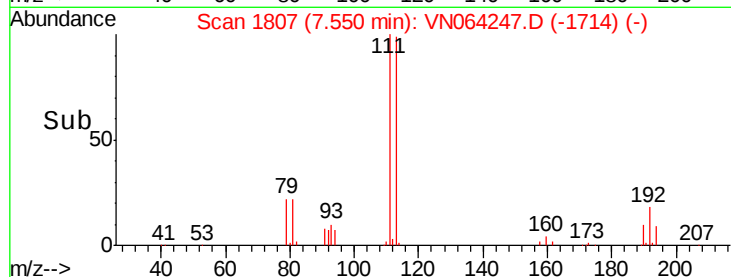
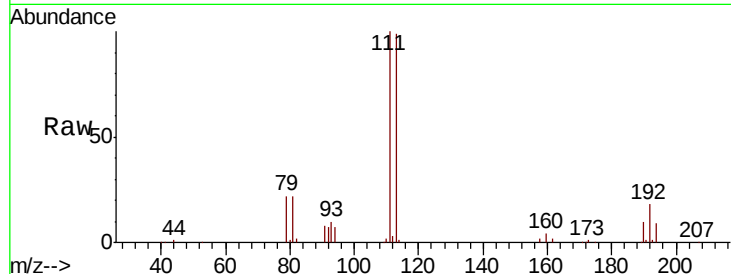




#35
 Dibromofluoromethane
 Concen: 50.681 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN064247.D
 Acq: 22 Oct 2020 5:00

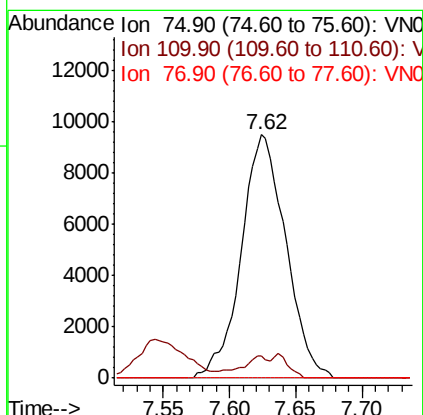
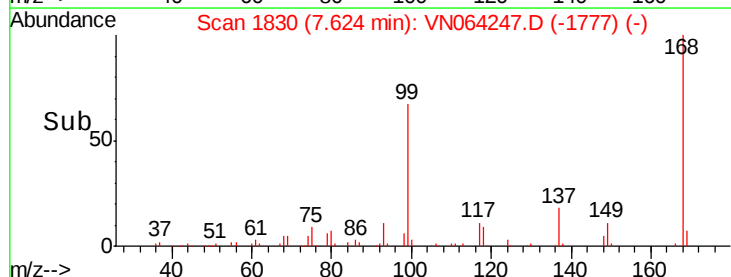
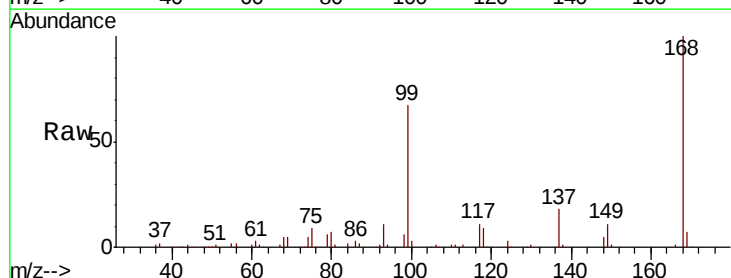
Instrument :
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 VNJ-240

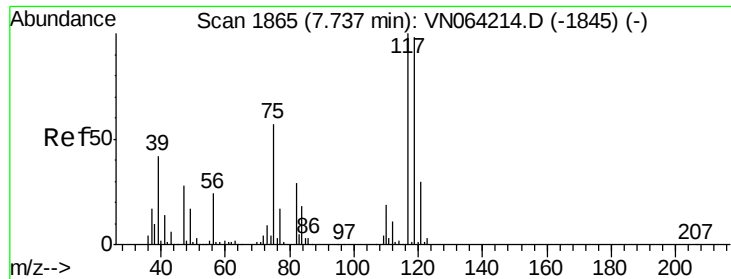
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	84.2	126.2
192	18.5	15.2	22.8



#36
 1,1-Dichloropropene
 Concen: 4.944 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064247.D
 Acq: 22 Oct 2020 5:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.7	17.2	51.6#
77	0.0	24.9	37.3#

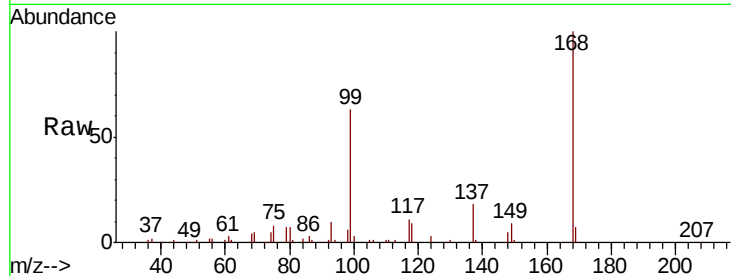




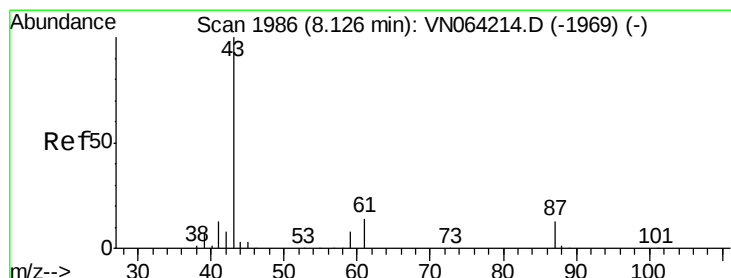
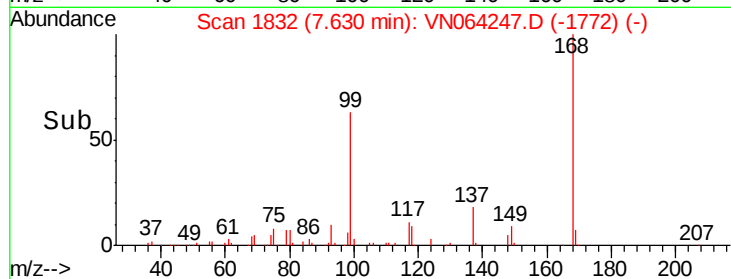
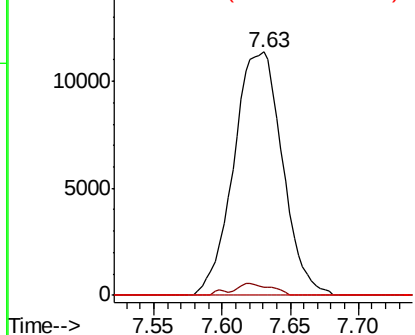
#38
Carbon Tetrachloride
Concen: 5.523 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN064247.D
Acq: 22 Oct 2020 5:00

Instrument :
MSVOA_N
ClientSampled :
VNJ-240

Tot Ion:117 Resp: 28189
Ion Ratio Lower Upper
117 100
119 3.4 78.5 117.7#
121 0.0 24.3 36.5#

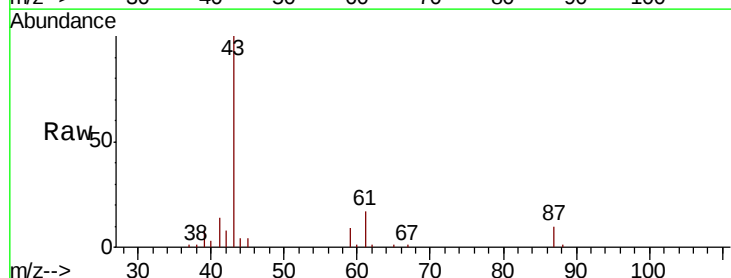


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

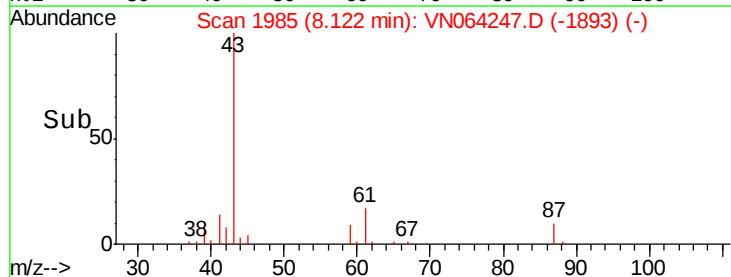
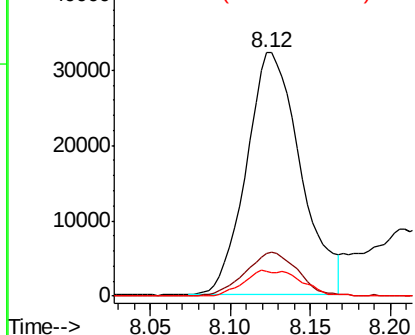


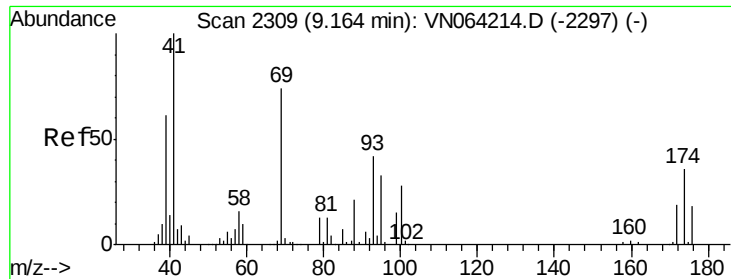
#43
Isopropyl Acetate
Concen: 9.889 ug/l
RT: 8.12 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VN064247.D
Acq: 22 Oct 2020 5:00

Tgt Ion: 43 Resp: 75062
Ion Ratio Lower Upper
43 100
61 17.5 19.6 29.4#
87 11.0 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO

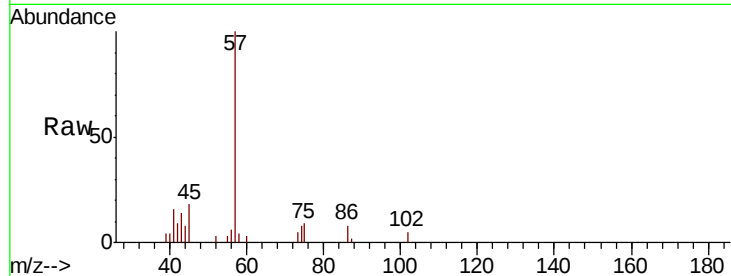




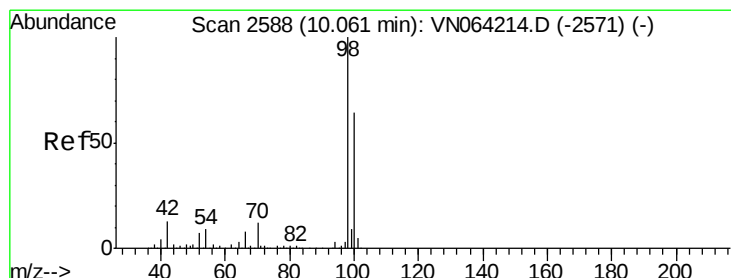
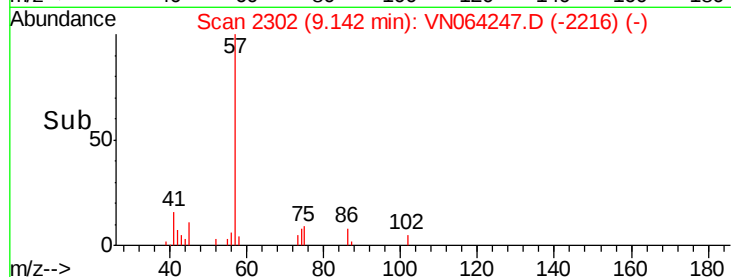
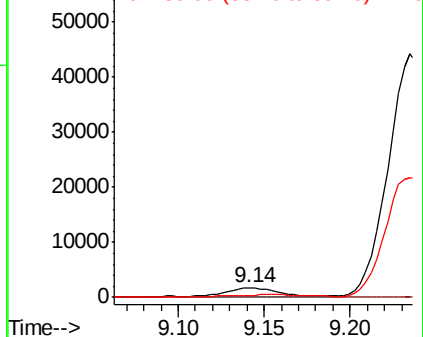
#48
Methyl methacrylate
Concen: 0.761 ug/l
RT: 9.14 min Scan# 2302
Delta R.T. -0.02 min
Lab File: VN064247.D
Acq: 22 Oct 2020 5:00

Instrument :
MSVOA_N
ClientSampleId :
VNJ-240

Tot Ion: 41 Resp: 3019
Ion Ratio Lower Upper
41 100
69 0.0 57.3 85.9#
39 0.0 48.6 73.0#

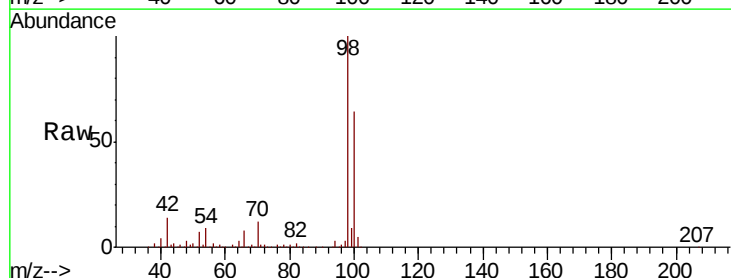


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

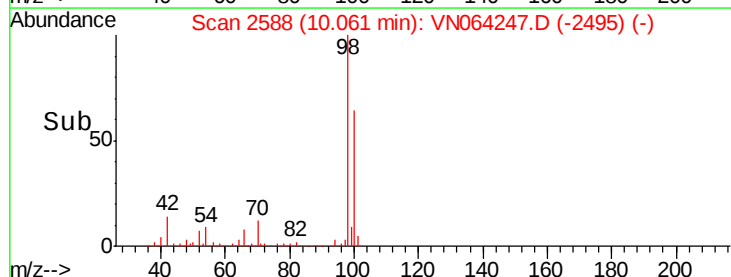
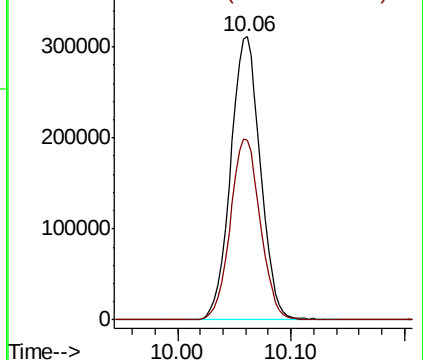


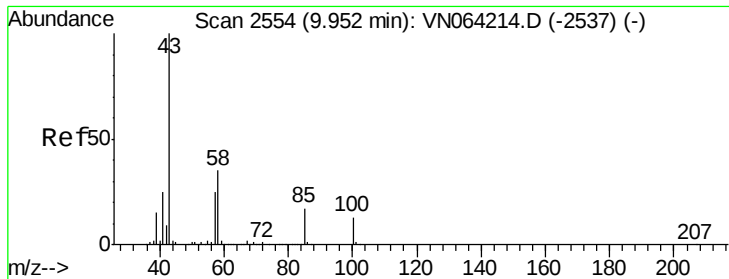
#50
Toluene-d8
Concen: 52.488 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. -0.00 min
Lab File: VN064247.D
Acq: 22 Oct 2020 5:00

Tgt Ion: 98 Resp: 569591
Ion Ratio Lower Upper
98 100
100 64.5 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.728 ug/l

RT: 9.95 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064247.D

Acq: 22 Oct 2020 5:00

Instrument :

MSVOA_N

ClientSampled :

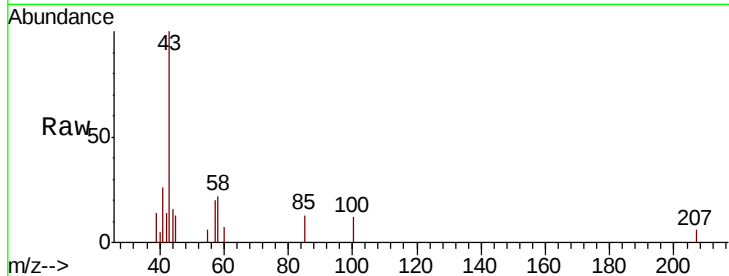
VNJ-240

Tot Ion: 43 Resp: 7011

Ion Ratio Lower Upper

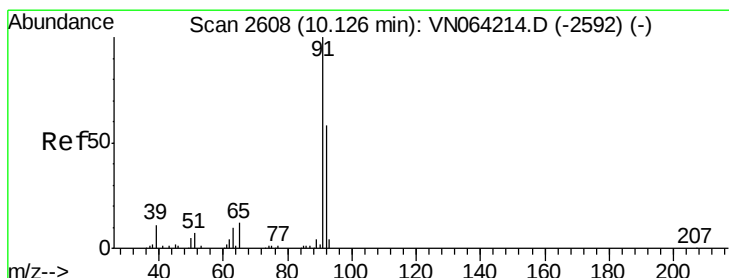
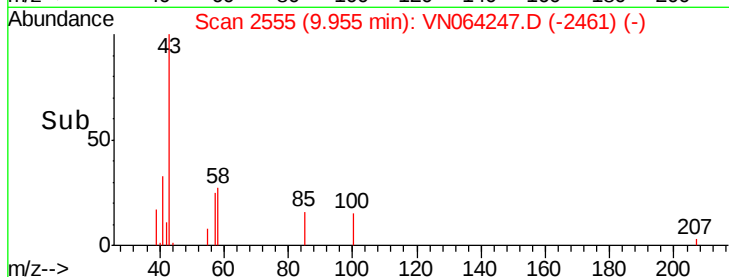
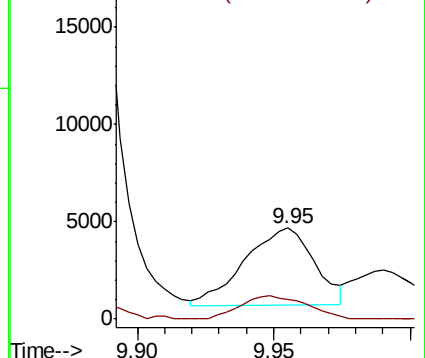
43 100

58 29.2 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VN064214.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN064214.D (-2537) (-)



#52

Toluene

Concen: 0.289 ug/l

RT: 10.13 min Scan# 2609

Delta R.T. 0.00 min

Lab File: VN064247.D

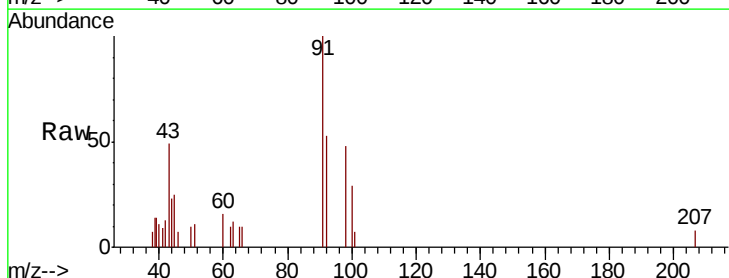
Acq: 22 Oct 2020 5:00

Tgt Ion: 92 Resp: 2287

Ion Ratio Lower Upper

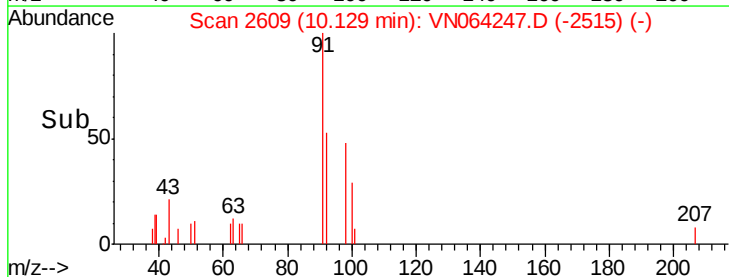
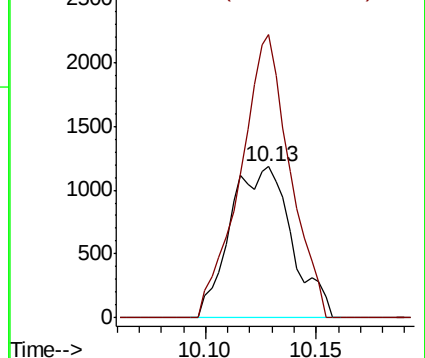
92 100

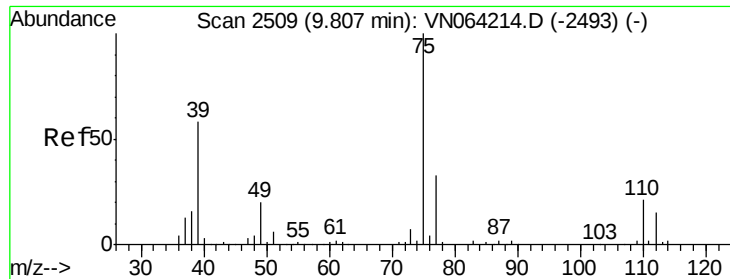
91 151.8 137.4 206.2



Abundance Ion 92.00 (91.70 to 92.70): VN064214.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN064214.D (-2592) (-)



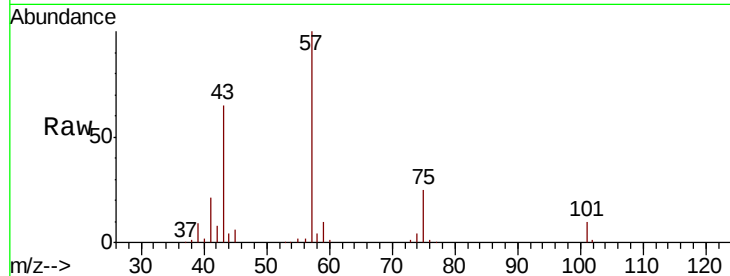


#54

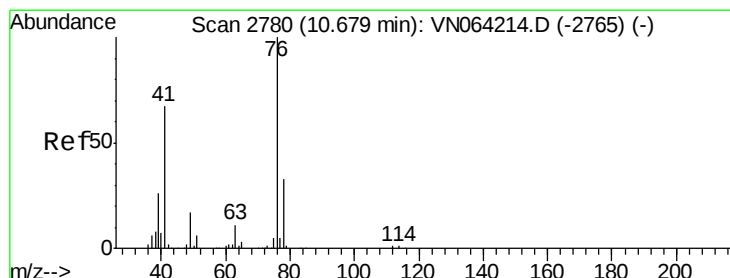
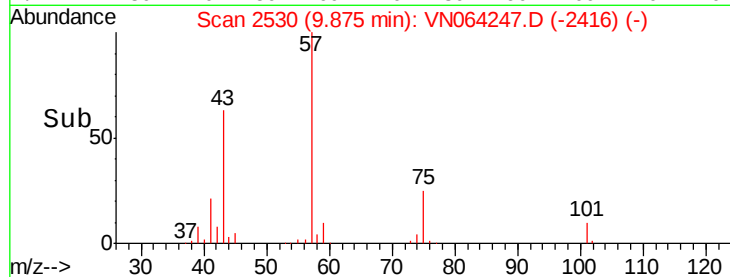
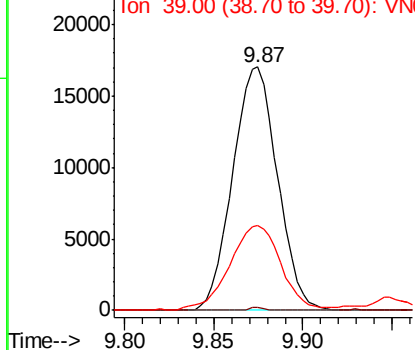
cis-1,3-Dichloropropene
 Concen: 5.205 ug/l
 RT: 9.87 min Scan# 2530
 Delta R.T. 0.07 min
 Lab File: VN064247.D
 Acq: 22 Oct 2020 5:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-240

Tot Ion: 75 Resp: 29854
 Ion Ratio Lower Upper
 75 100
 77 1.1 26.6 39.8#
 39 33.5 46.7 70.1#



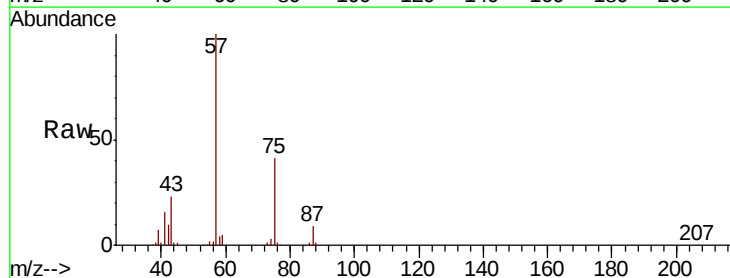
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



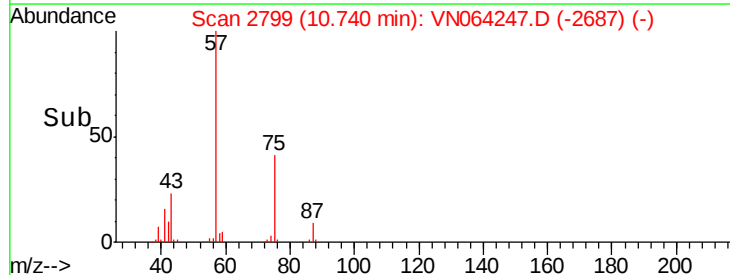
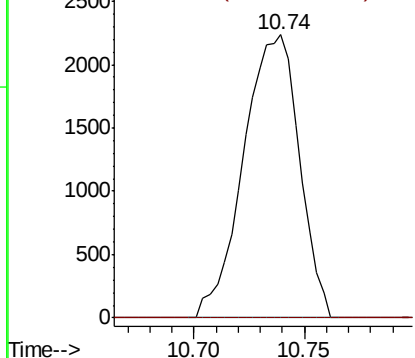
#57

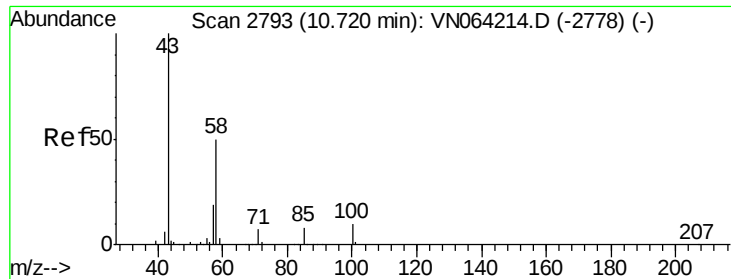
1,3-Dichloropropane
 Concen: 0.754 ug/l
 RT: 10.74 min Scan# 2799
 Delta R.T. 0.06 min
 Lab File: VN064247.D
 Acq: 22 Oct 2020 5:00

Tgt Ion: 76 Resp: 3917
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0
 Ion 77.90 (77.60 to 78.60): VN0

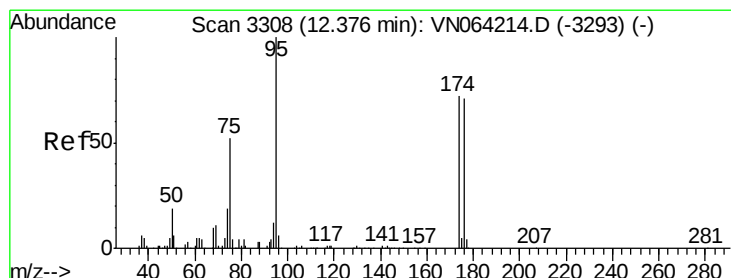
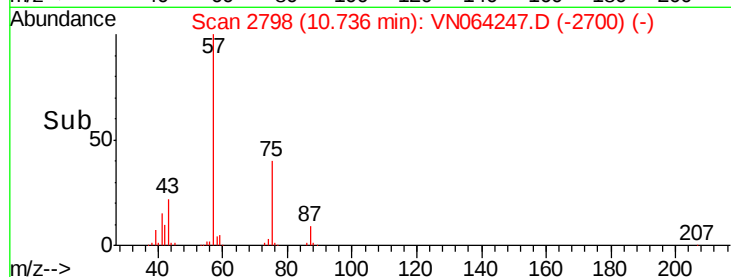
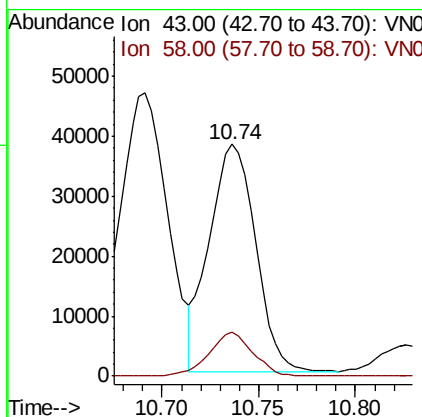
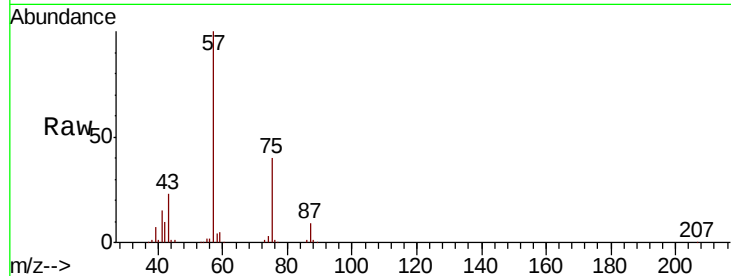




#59
2-Hexanone
Concen: 21.355 ug/l
RT: 10.74 min Scan# 2798
Delta R.T. 0.02 min
Lab File: VN064247.D
Acq: 22 Oct 2020 5:00

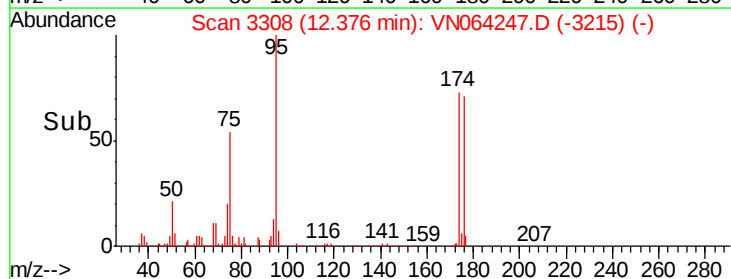
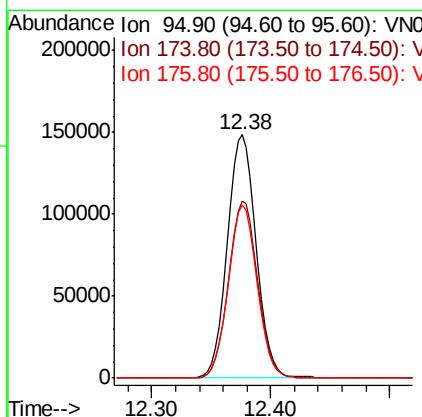
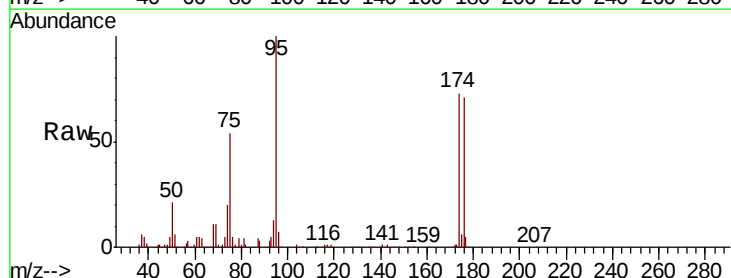
Instrument :
MSVOA_N
ClientSampled :
VNJ-240

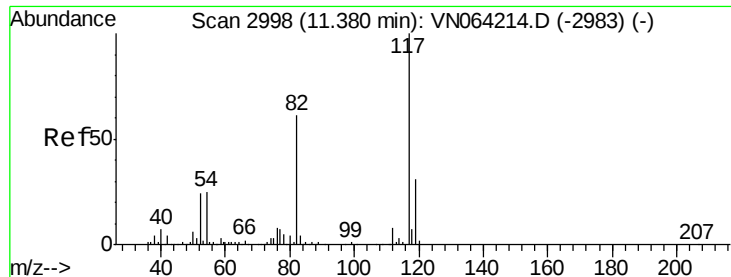
Tot Ion: 43 Resp: 63269
Ion Ratio Lower Upper
43 100
58 18.3 24.8 74.3#



#62
4-Bromofluorobenzene
Concen: 56.764 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064247.D
Acq: 22 Oct 2020 5:00

Tgt Ion: 95 Resp: 249719
Ion Ratio Lower Upper
95 100
174 73.3 0.0 144.4
176 71.3 0.0 139.2

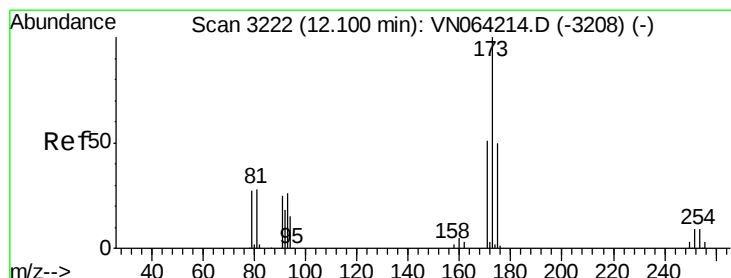
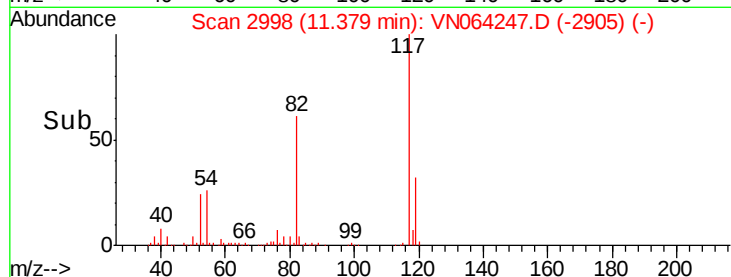
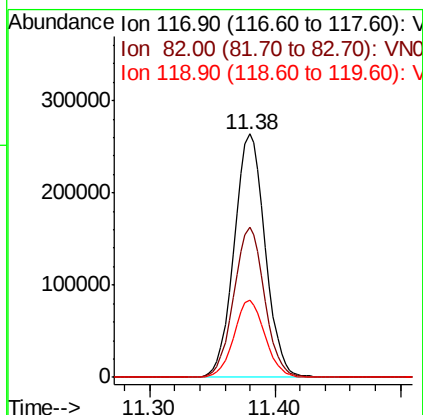
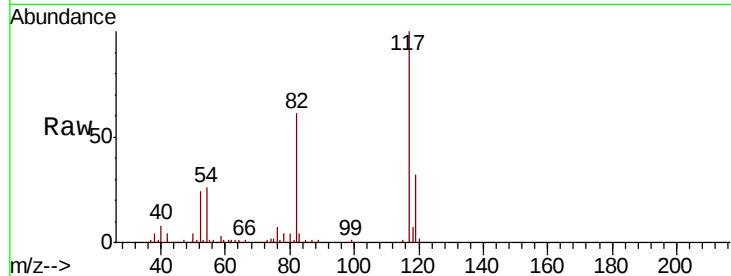




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064247.D
Acq: 22 Oct 2020 5:00

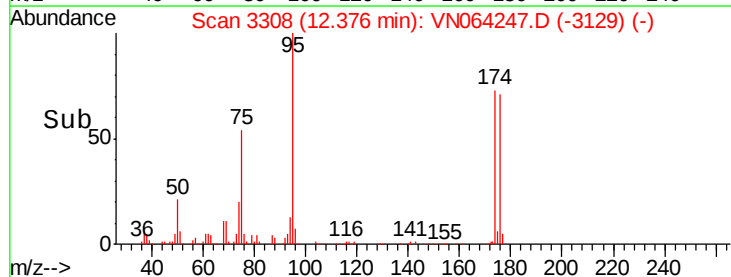
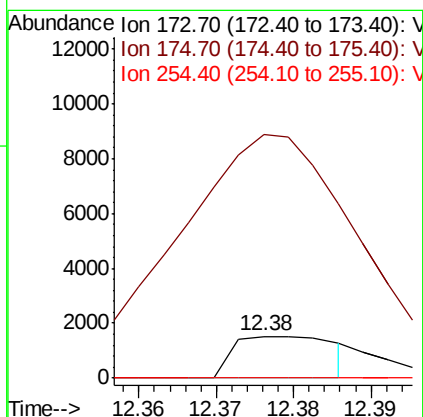
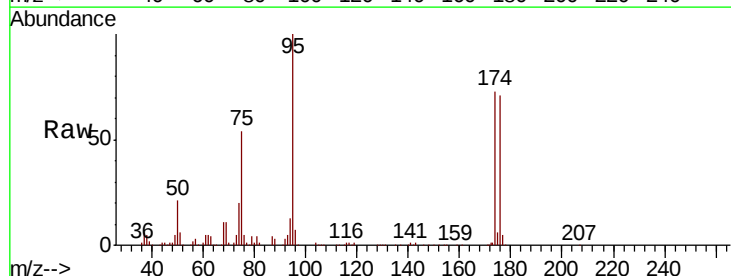
Instrument :
MSVOA_N
ClientSampleId :
VNJ-240

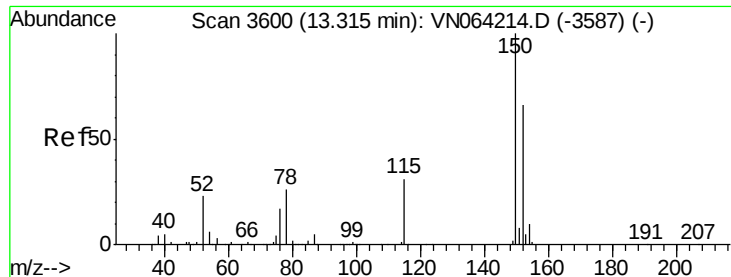
Tot Ion:117 Resp: 451907
Ion Ratio Lower Upper
117 100
82 61.5 48.8 73.2
119 31.8 24.7 37.1



#71
Bromoform
Concen: 0.486 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.28 min
Lab File: VN064247.D
Acq: 22 Oct 2020 5:00

Tgt Ion:173 Resp: 1393
Ion Ratio Lower Upper
173 100
175 893.7 25.1 75.3#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064247.D

Acq: 22 Oct 2020 5:00

Instrument :

MSVOA_N

ClientSampleId :

VNJ-240

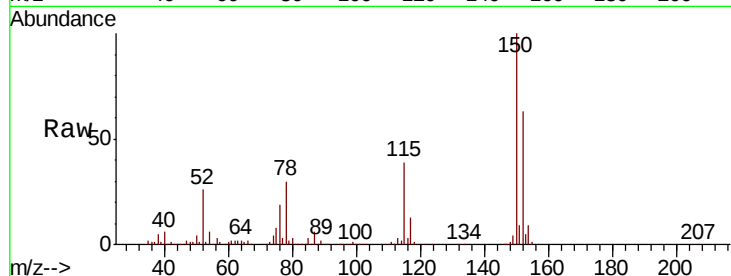
Tot Ion:152 Resp: 210863

Ion Ratio Lower Upper

152 100

115 63.1 32.0 96.2

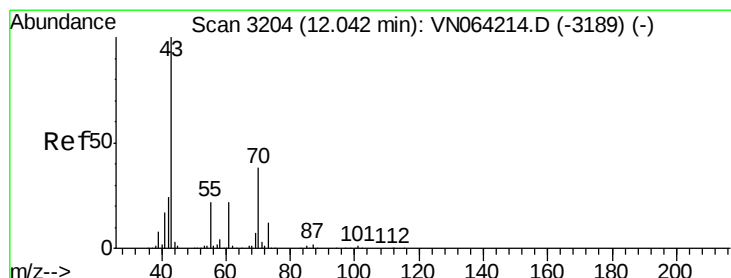
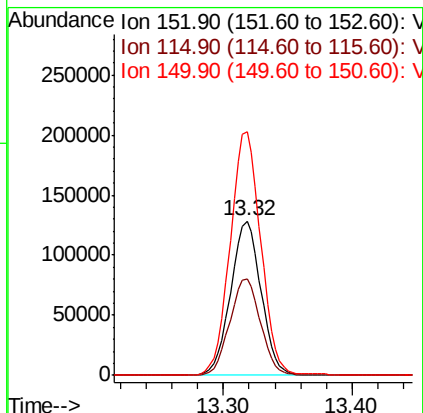
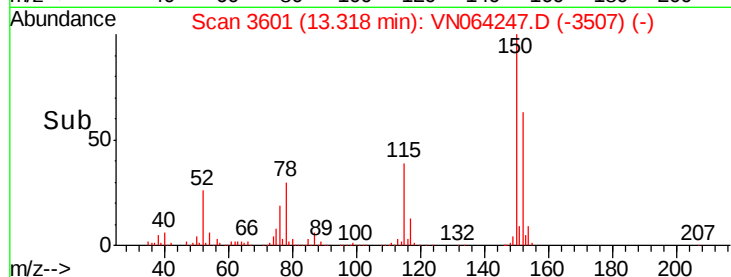
150 158.2 0.0 356.6



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-ethyl acetate

Concen: 0.441 ug/l

RT: 12.00 min Scan# 3192

Delta R.T. -0.04 min

Lab File: VN064247.D

Acq: 22 Oct 2020 5:00

Tgt Ion: 43 Resp: 3068

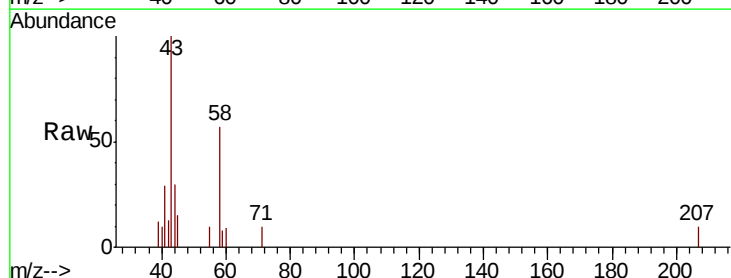
Ion Ratio Lower Upper

43 100

70 0.0 30.2 45.4#

55 6.2 18.0 27.0#

61 0.0 17.4 26.2#

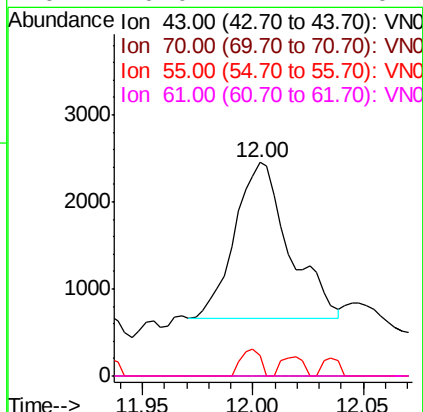
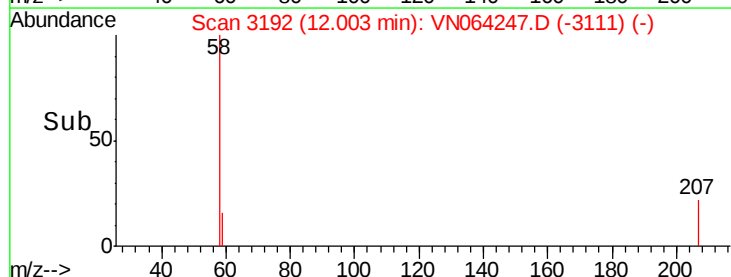


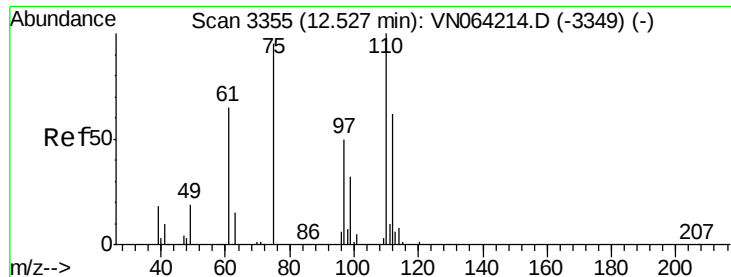
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 30.415 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064247.D

Acq: 22 Oct 2020 5:00

Instrument :

MSVOA_N

ClientSampled :

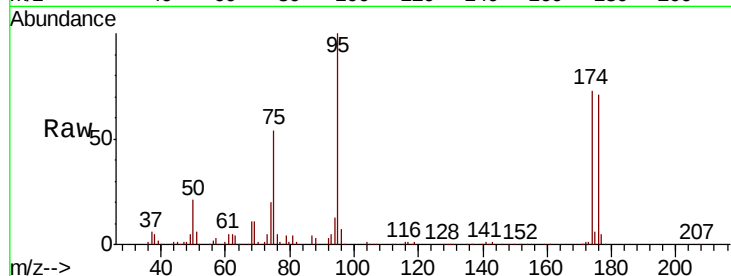
VNJ-240

Tot Ion: 75 Resp: 135206

Ion Ratio Lower Upper

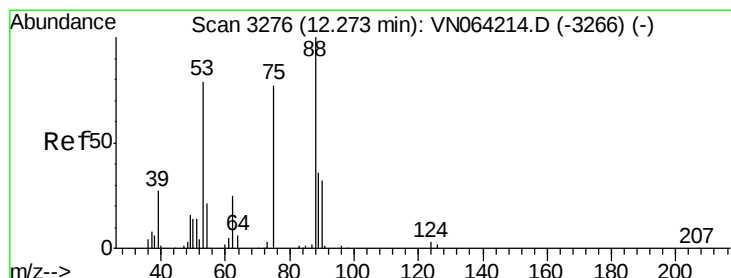
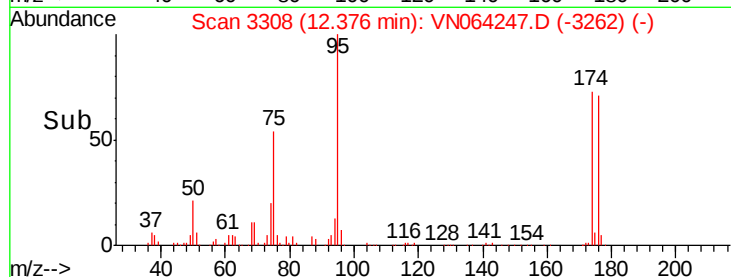
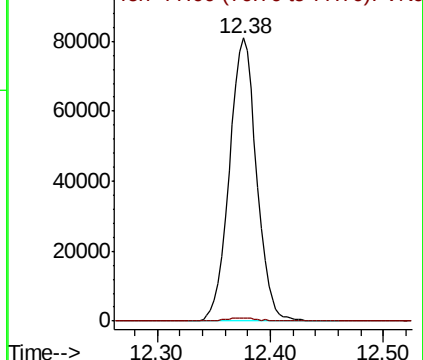
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 76.790 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064247.D

Acq: 22 Oct 2020 5:00

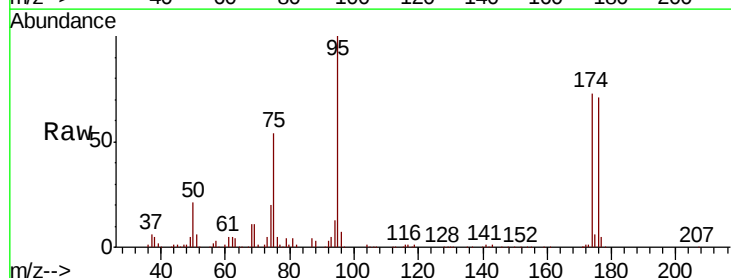
Tgt Ion: 75 Resp: 135206

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.4#

89 0.1 38.7 58.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

