

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031020\
 Data File : VN060425.D
 Acq On : 10 Mar 2020 18:25
 Operator : JC/MD
 Sample : L1849-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-230-218-211-216-242

Quant Time: Mar 11 06:43:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	202428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	333848	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	315509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147022	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	130740	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
35) Dibromofluoromethane	7.57	113	97212	62.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.46%	
50) Toluene-d8	10.08	98	413543	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
62) 4-Bromofluorobenzene	12.40	95	153984	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	

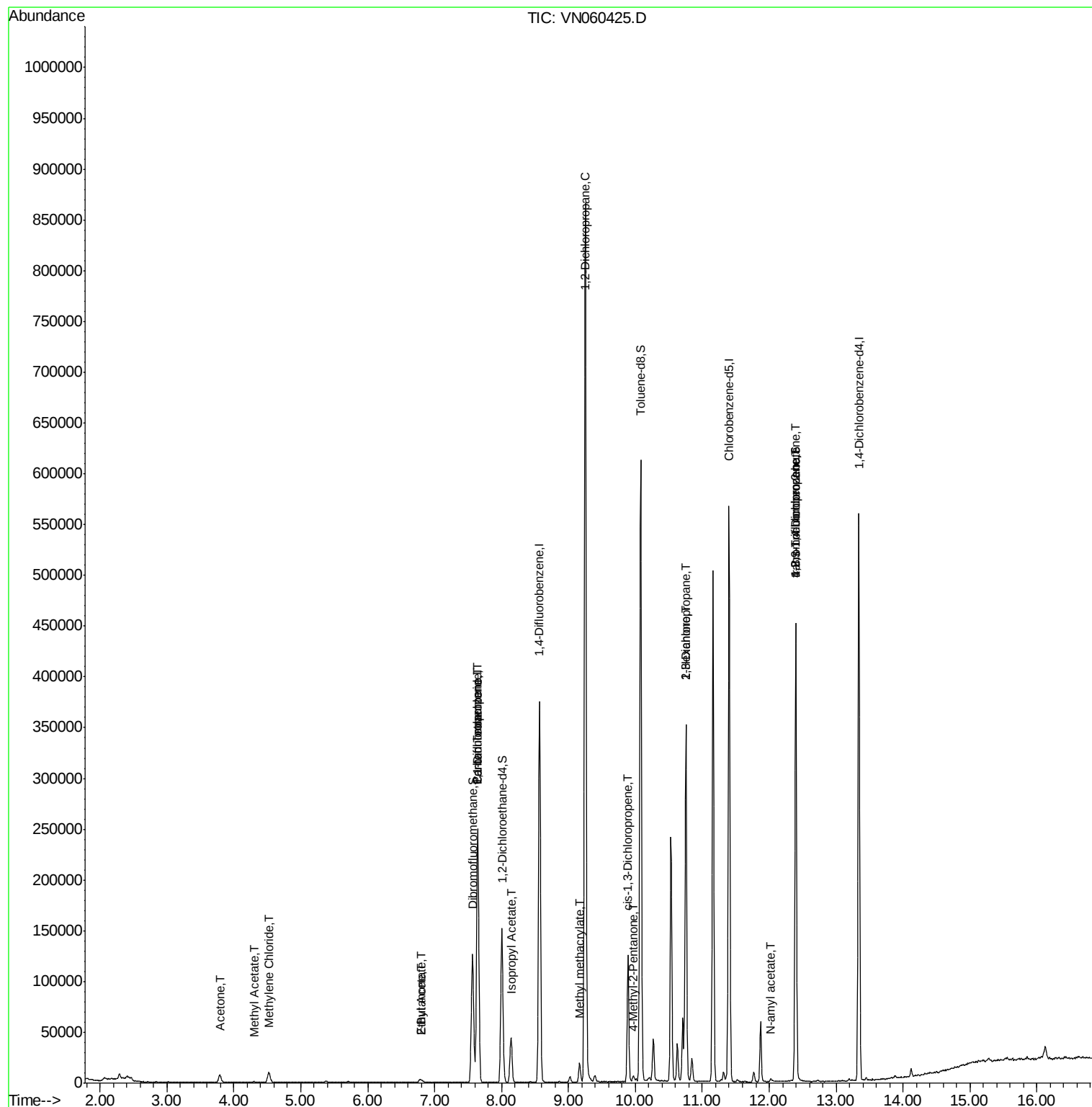
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	13665	16.293	ug/l #	86
17) Carbon Disulfide	4.02	76	947	Below Cal	#	75
18) Methyl Acetate	4.30	43	1618	0.578	ug/l #	52
20) Methylene Chloride	4.53	84	7621	3.309	ug/l	97
25) 2-Butanone	6.81	43	3251	2.400	ug/l	100
31) Cyclohexane	7.64	56	4398	Below Cal	#	12
36) 1,1-Dichloropropene	7.64	75	15687	4.930	ug/l #	49
37) Ethyl Acetate	6.81	43	3251	1.079	ug/l #	68
38) Carbon Tetrachloride	7.64	117	19732	6.370	ug/l #	16
43) Isopropyl Acetate	8.14	43	54482	10.330	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	1081	0.446	ug/l #	44
48) Methyl methacrylate	9.16	41	2712	1.128	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	4134	1.382	ug/l	98
54) cis-1,3-Dichloropropene	9.89	75	22678	5.590	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	3672	0.963	ug/l #	42
59) 2-Hexanone	10.75	43	51608	23.505	ug/l #	52
74) N-amyl acetate	12.02	43	2997	0.629	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	78287	24.270	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	78287	66.997	ug/l #	8
95) Naphthalene	15.13	128	861	Below Cal	#	69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060425.D

Acq: 10 Mar 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

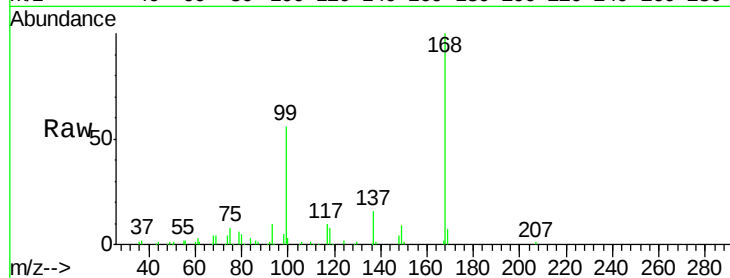
VNJ-230-218-211-216-242

Tgt Ion:168 Resp: 202428

Ion Ratio Lower Upper

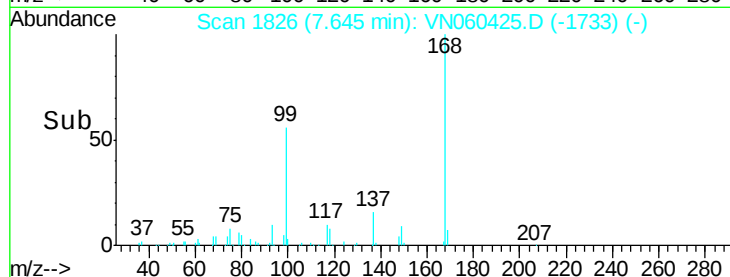
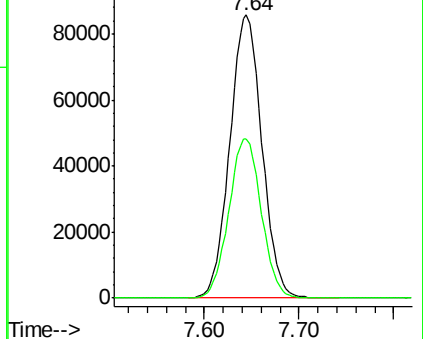
168 100

99 56.3 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 16.293 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060425.D

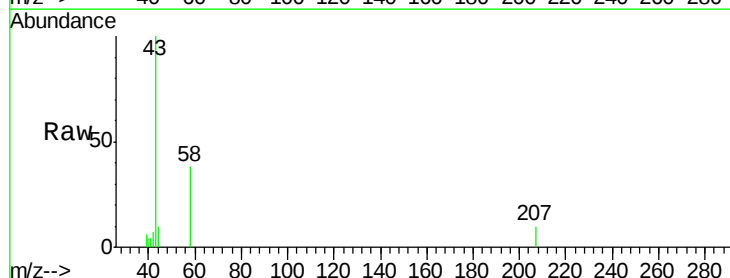
Acq: 10 Mar 2020 18:25

Tgt Ion: 43 Resp: 13665

Ion Ratio Lower Upper

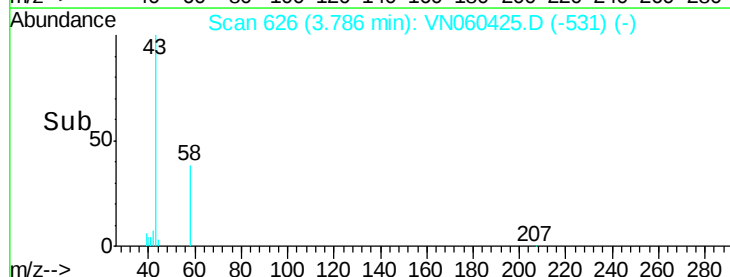
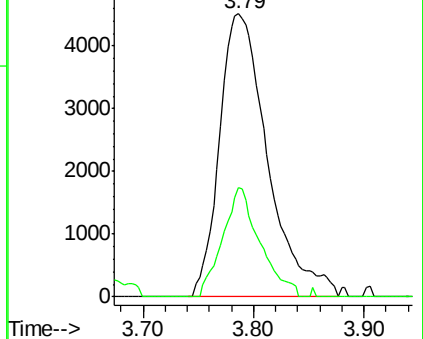
43 100

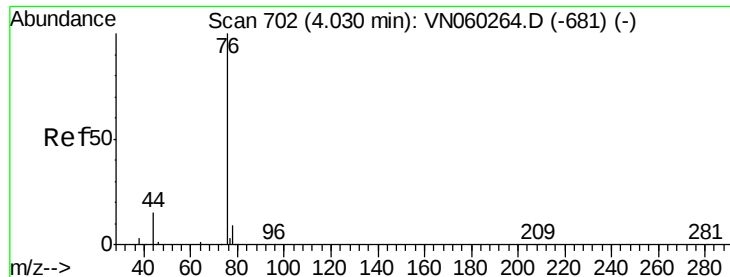
58 38.5 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.02 min Scan# 700

Delta R.T. -0.01 min

Lab File: VN060425.D

Acq: 10 Mar 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

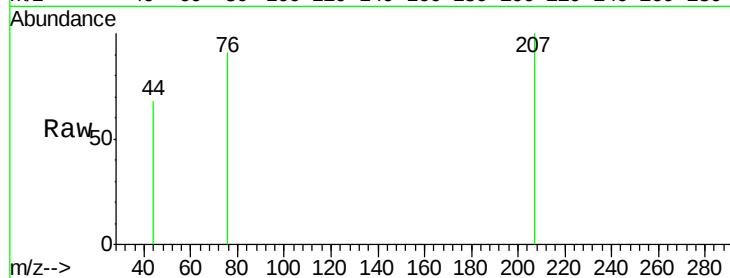
VNJ-230-218-211-216-242

Tgt Ion: 76 Resp: 947

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

400

300

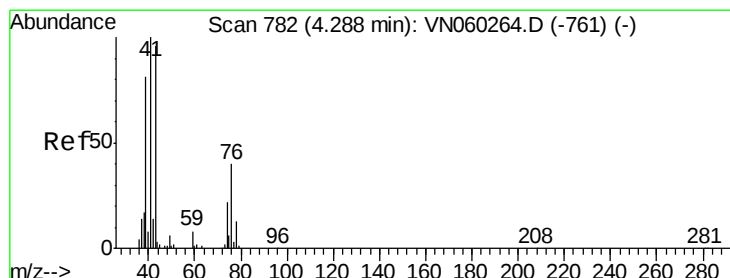
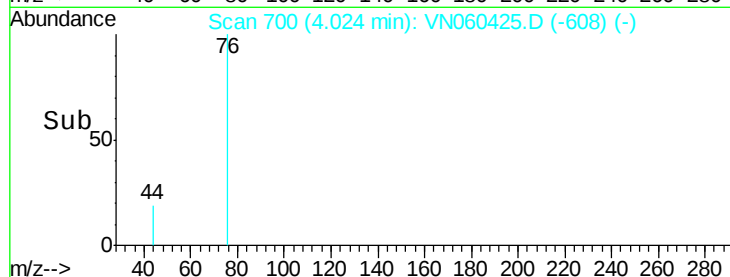
200

100

0

4.00 4.05

Time-->



#18

Methyl Acetate

Concen: 0.578 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.01 min

Lab File: VN060425.D

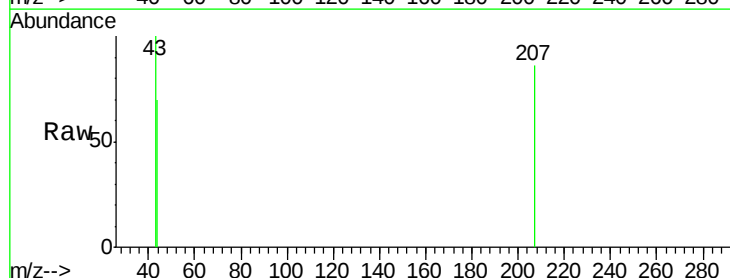
Acq: 10 Mar 2020 18:25

Tgt Ion: 43 Resp: 1618

Ion Ratio Lower Upper

43 100

74 0.0 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

600

500

400

300

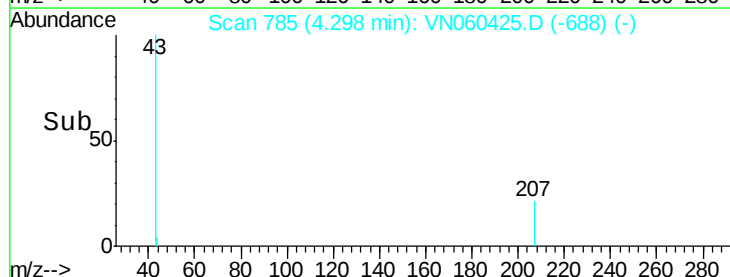
200

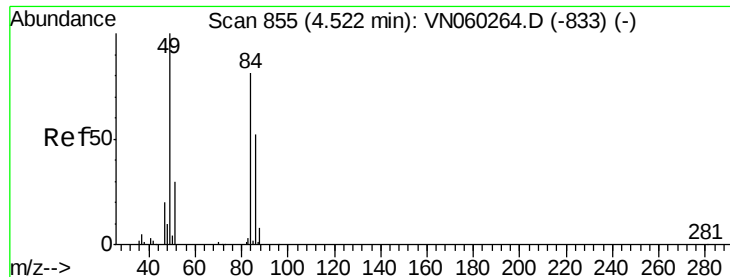
100

0

4.25 4.30 4.35

Time-->





#20

Methylene Chloride

Concen: 3.309 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.00 min

Lab File: VN060425.D

Acq: 10 Mar 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

VNJ-230-218-211-216-242

Tgt Ion: 84 Resp: 7621

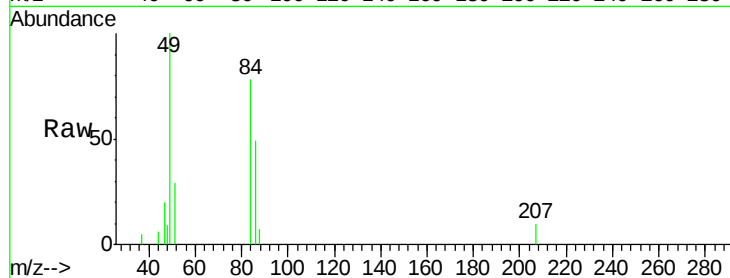
Ion Ratio Lower Upper

84 100

49 127.8 99.3 148.9

51 37.2 30.1 45.1

86 62.0 51.1 76.7

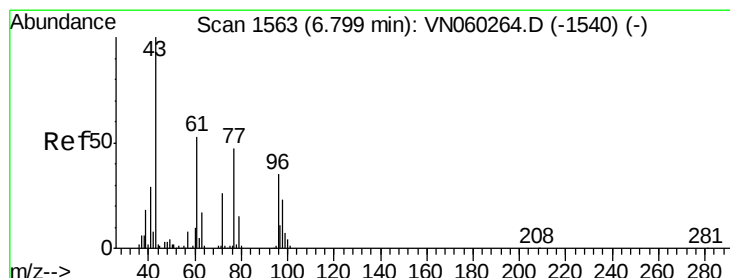
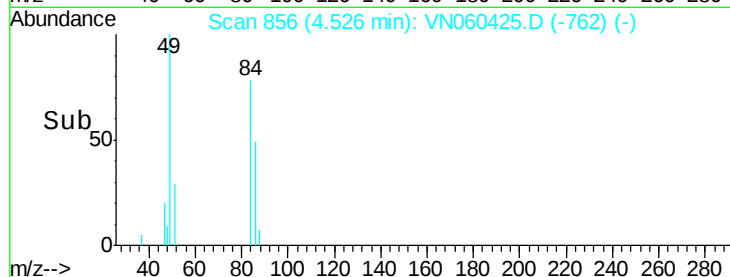
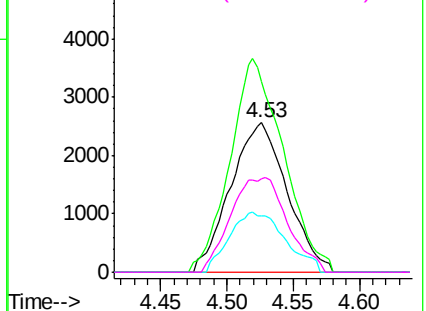


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 2.400 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN060425.D

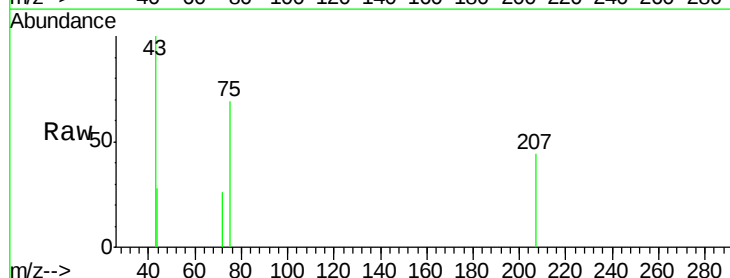
Acq: 10 Mar 2020 18:25

Tgt Ion: 43 Resp: 3251

Ion Ratio Lower Upper

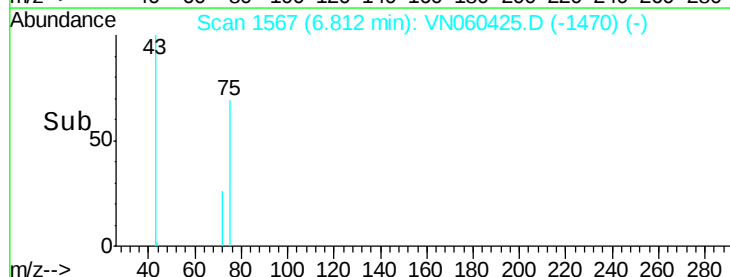
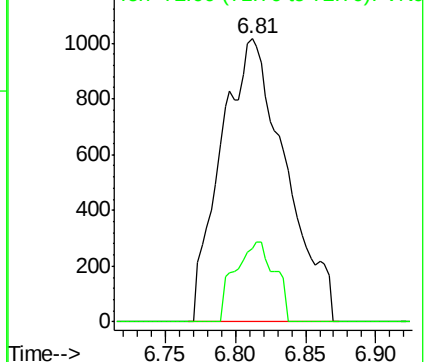
43 100

72 25.9 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 50.339 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060425.D

Acq: 10 Mar 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

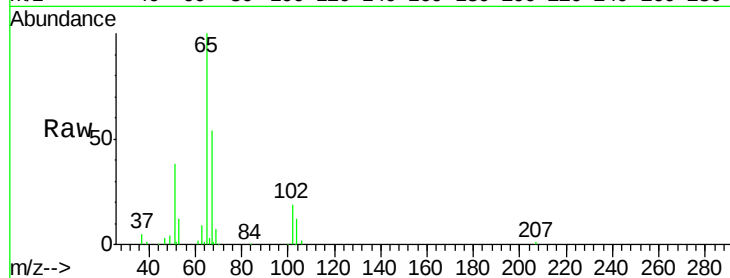
VNJ-230-218-211-216-242

Tgt Ion: 65 Resp: 130740

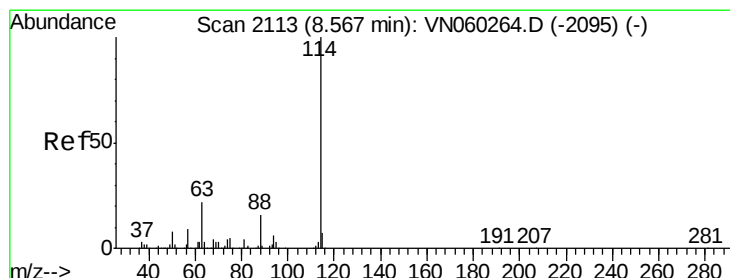
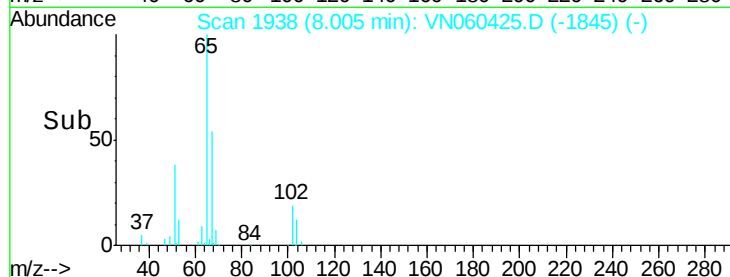
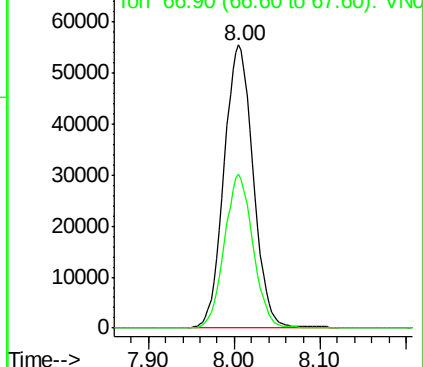
Ion Ratio Lower Upper

65 100

67 53.0 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN060425.D (-1845) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060425.D

Acq: 10 Mar 2020 18:25

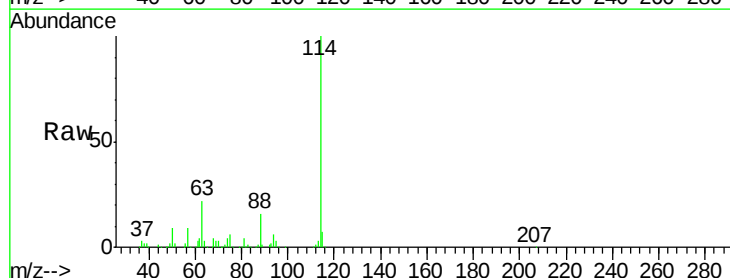
Tgt Ion: 114 Resp: 333848

Ion Ratio Lower Upper

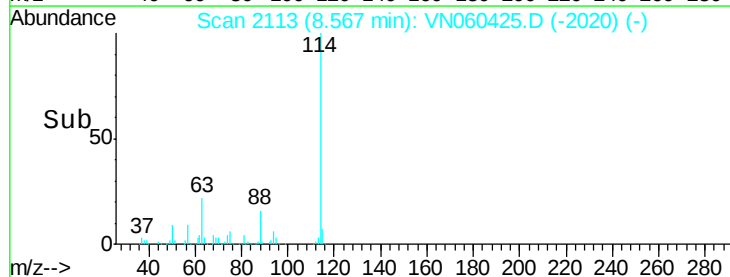
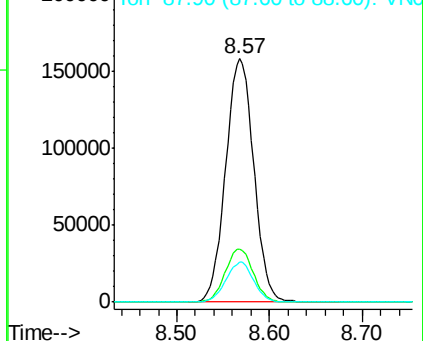
114 100

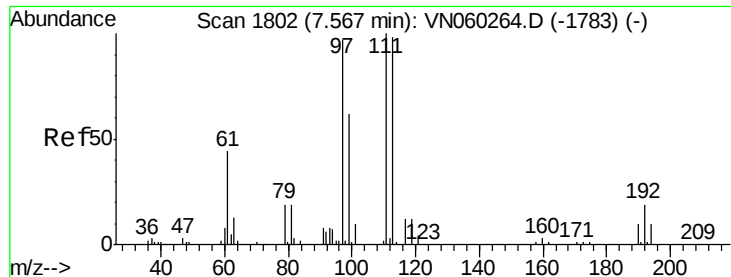
63 22.0 0.0 43.2

88 16.4 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN060425.D (-2020) (-)

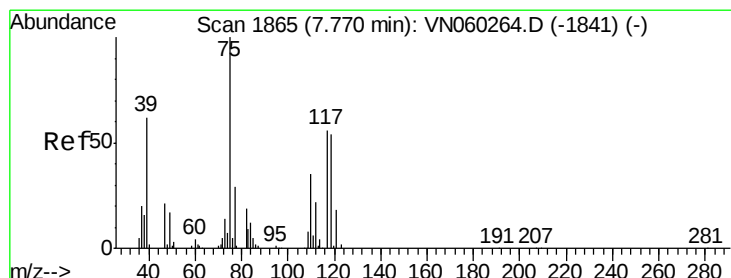
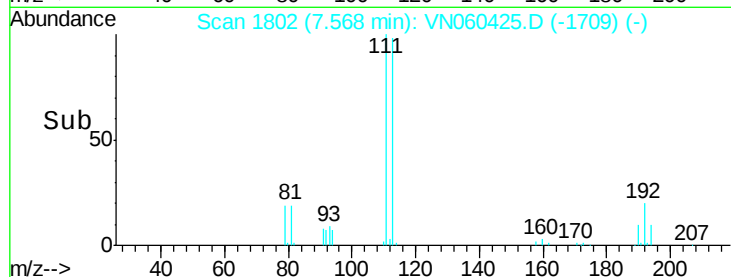
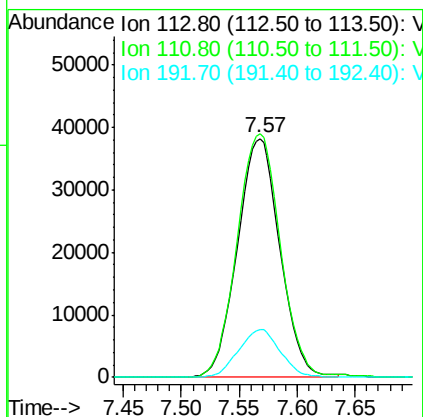
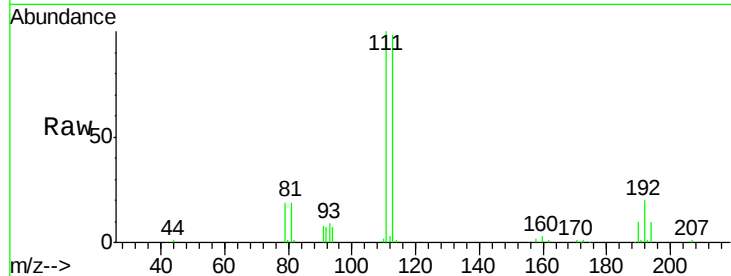




#35
 Dibromofluoromethane
 Concen: 62.733 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060425.D
 Acq: 10 Mar 2020 18:25

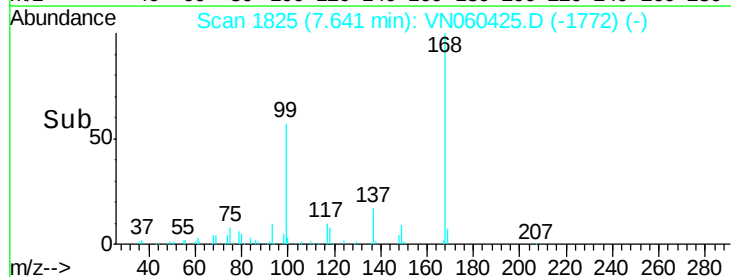
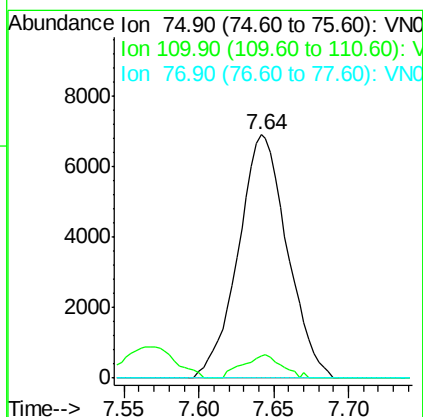
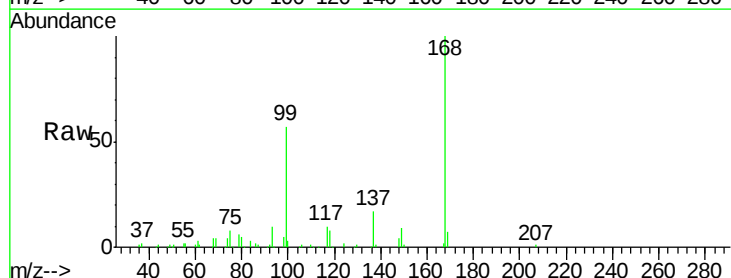
Instrument :
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 ClientSampleId :
 VNJ-230-218-211-216-242

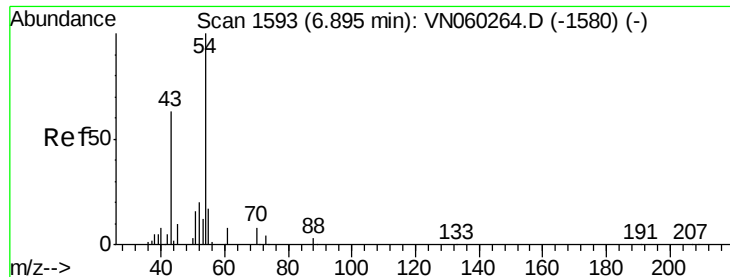
Tgt Ion:113 Resp: 97212
 Ion Ratio Lower Upper
 113 100
 111 104.4 82.4 123.6
 192 19.7 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.930 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060425.D
 Acq: 10 Mar 2020 18:25

Tgt Ion: 75 Resp: 15687
 Ion Ratio Lower Upper
 75 100
 110 7.6 17.3 52.0#
 77 0.0 24.2 36.2#

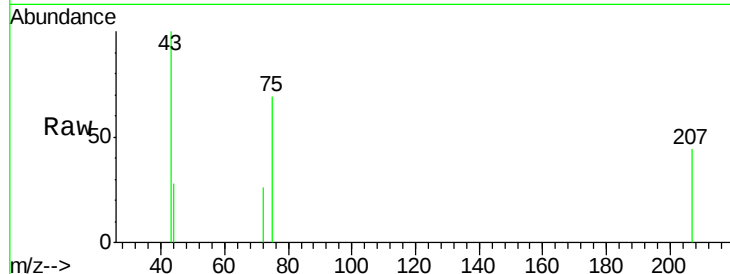




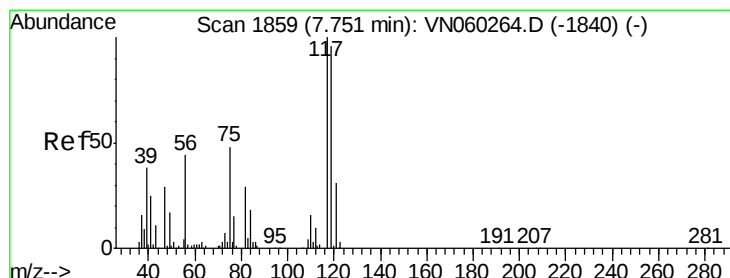
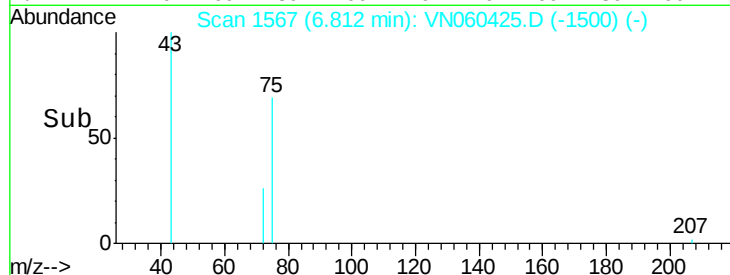
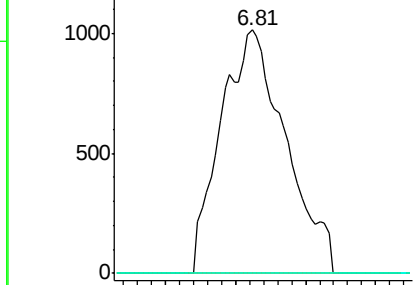
#37
 Ethyl Acetate
 Concen: 1.079 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.08 min
 Lab File: VN060425.D
 Acq: 10 Mar 2020 18:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-230-218-211-216-242

Tgt Ion: 43 Resp: 3251
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.1 16.7#
 70 0.0 8.4 12.6#

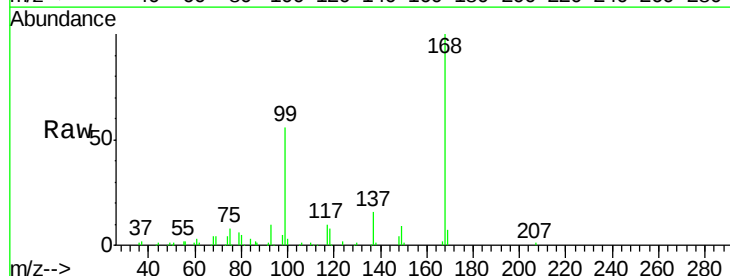


Abundance Ion 43.00 (42.70 to 43.70): VN060425.D (-1500) (-)
 Ion 60.90 (60.60 to 61.60): VN060425.D (-1500) (-)
 Ion 70.00 (69.70 to 70.70): VN060425.D (-1500) (-)

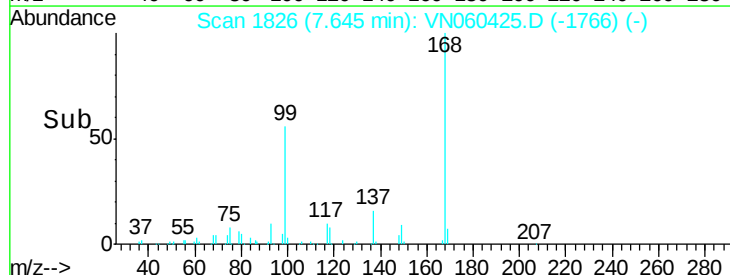
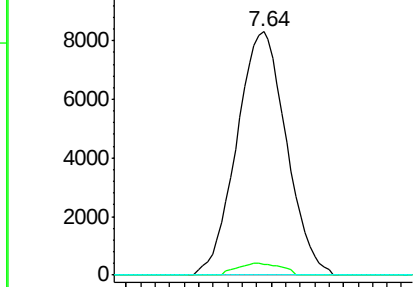


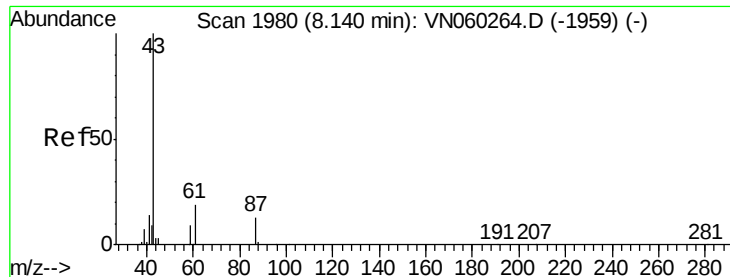
#38
 Carbon Tetrachloride
 Concen: 6.370 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN060425.D
 Acq: 10 Mar 2020 18:25

Tgt Ion: 117 Resp: 19732
 Ion Ratio Lower Upper
 117 100
 119 4.5 76.7 115.1#
 121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): VN060425.D (-1766) (-)
 Ion 118.80 (118.50 to 119.50): VN060425.D (-1766) (-)
 Ion 120.80 (120.50 to 121.50): VN060425.D (-1766) (-)





#43

Isopropyl Acetate

Concen: 10.330 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060425.D

Acq: 10 Mar 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

VNJ-230-218-211-216-242

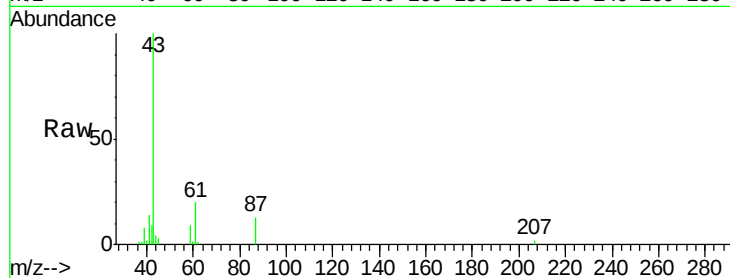
Tgt Ion: 43 Resp: 54482

Ion Ratio Lower Upper

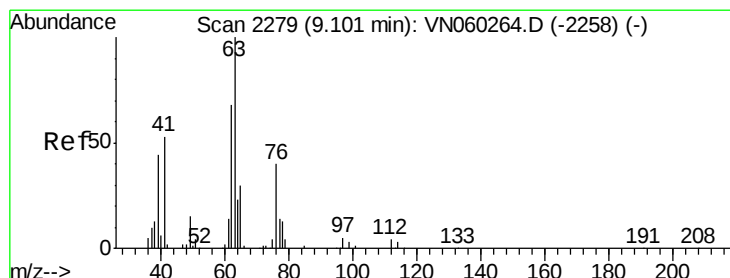
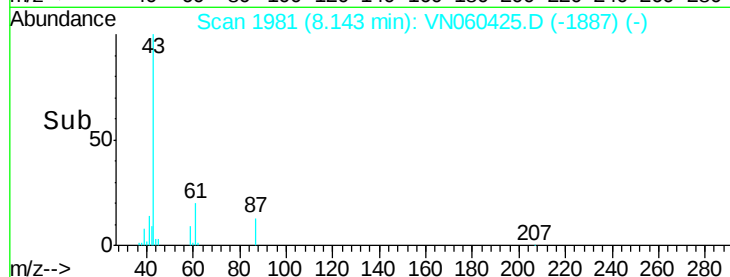
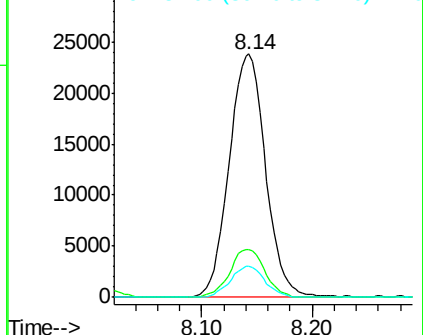
43 100

61 18.8 20.9 31.3#

87 12.0 10.6 16.0



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



#45

1,2-Dichloropropane

Concen: 0.446 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN060425.D

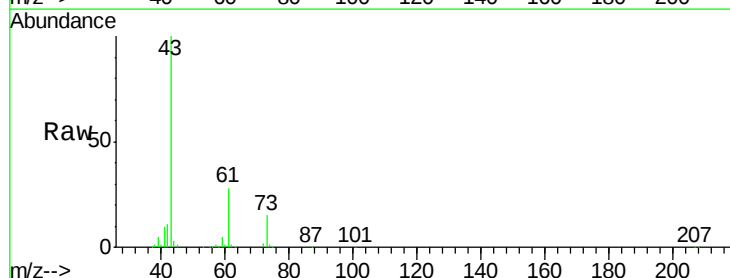
Acq: 10 Mar 2020 18:25

Tgt Ion: 63 Resp: 1081

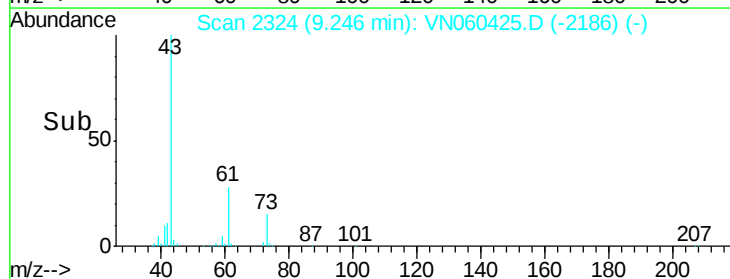
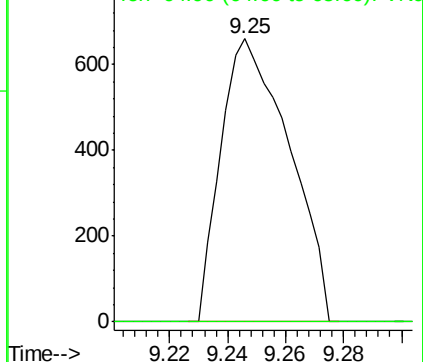
Ion Ratio Lower Upper

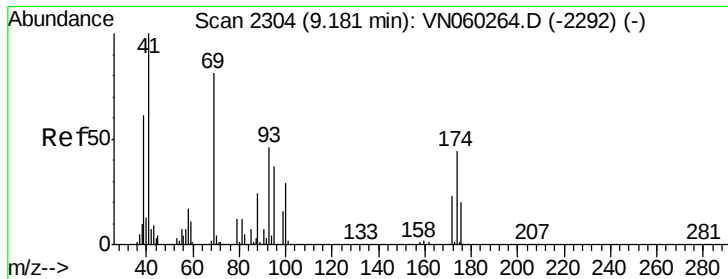
63 100

65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 64.90 (64.60 to 65.60): VNO

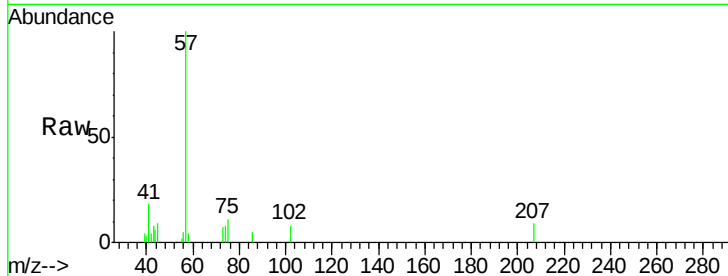




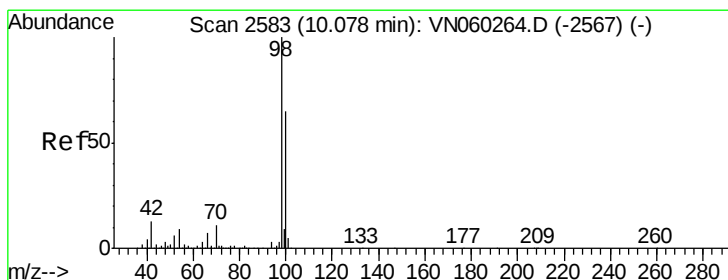
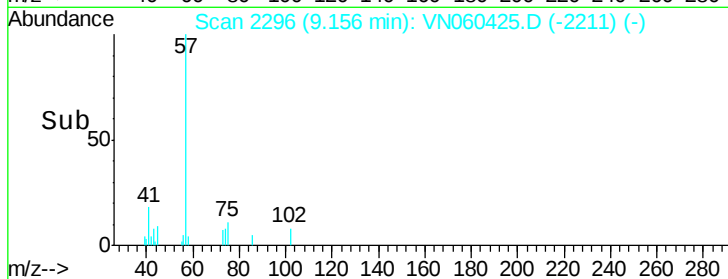
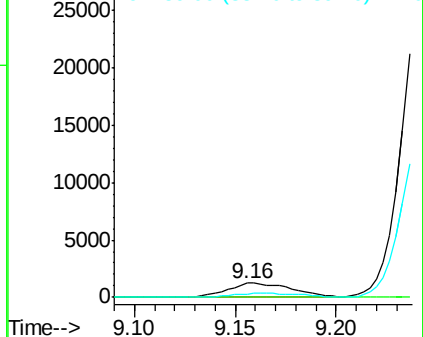
#48
Methyl methacrylate
Concen: 1.128 ug/l
RT: 9.16 min Scan# 2296
Delta R.T. -0.03 min
Lab File: VN060425.D
Acq: 10 Mar 2020 18:25

Instrument :
MSVOA_N
ClientSampleId :
VNJ-230-218-211-216-242

Tgt Ion: 41 Resp: 2712
Ion Ratio Lower Upper
41 100
69 0.0 66.7 100.1#
39 0.0 50.1 75.1#

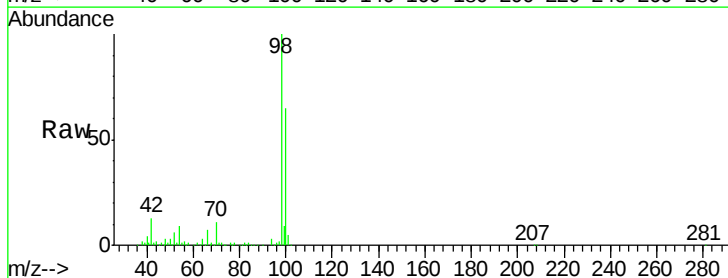


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

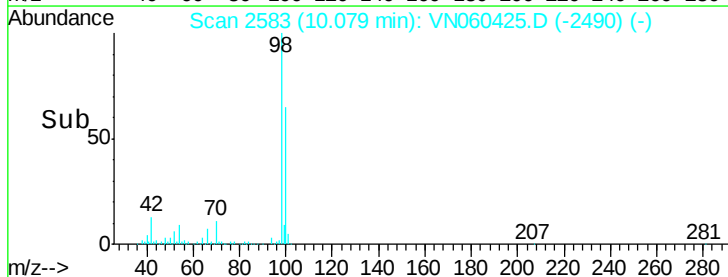
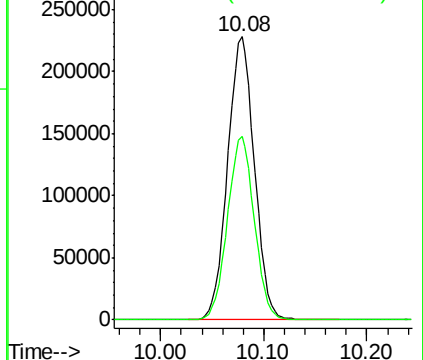


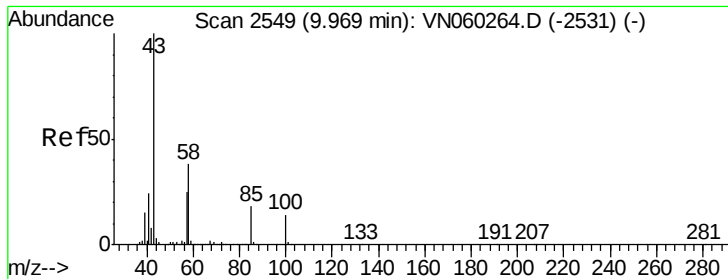
#50
Toluene-d8
Concen: 52.729 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060425.D
Acq: 10 Mar 2020 18:25

Tgt Ion: 98 Resp: 413543
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2



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

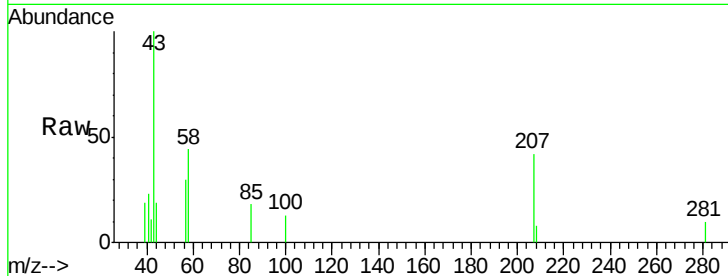




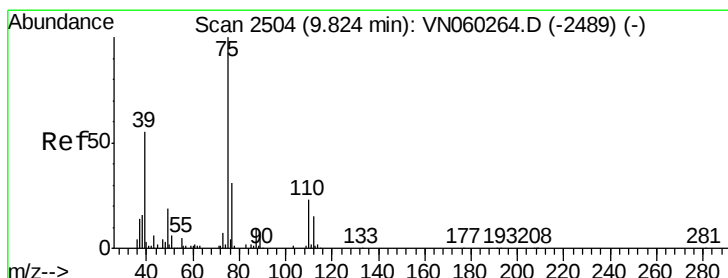
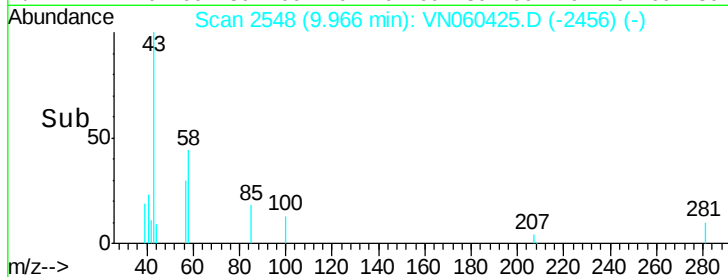
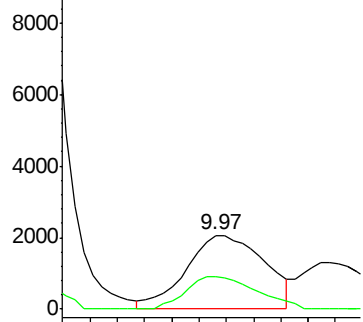
#51
 4-Methyl-2-Pentanone
 Concen: 1.382 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060425.D
 Acq: 10 Mar 2020 18:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-230-218-211-216-242

Tgt Ion: 43 Resp: 4134
 Ion Ratio Lower Upper
 43 100
 58 39.9 30.9 46.3

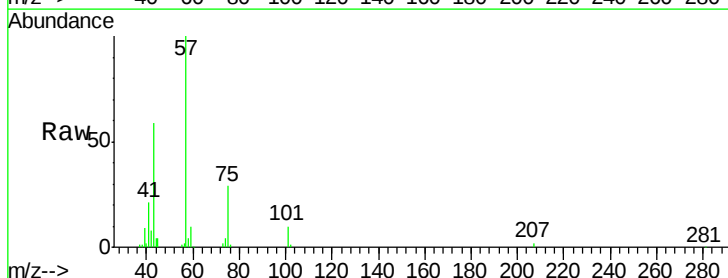


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

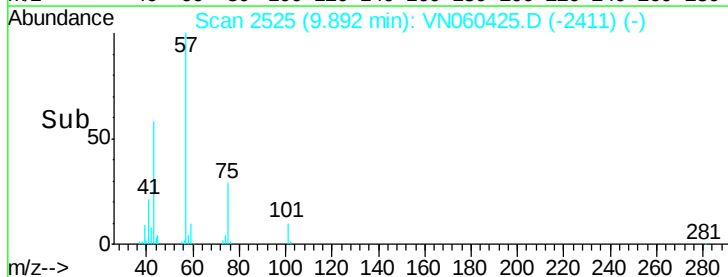
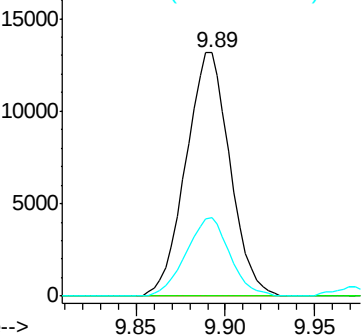


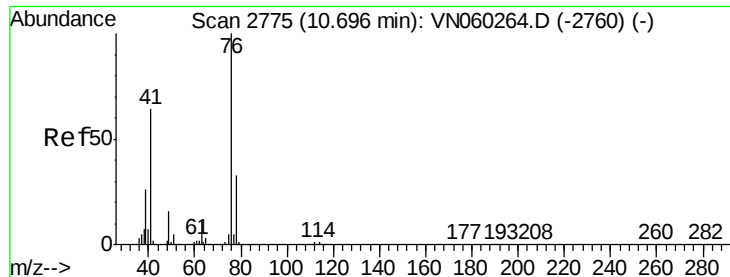
#54
 cis-1,3-Dichloropropene
 Concen: 5.590 ug/l
 RT: 9.89 min Scan# 2525
 Delta R.T. 0.07 min
 Lab File: VN060425.D
 Acq: 10 Mar 2020 18:25

Tgt Ion: 75 Resp: 22678
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 32.2 43.8 65.8#



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: 0.963 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060425.D

Acq: 10 Mar 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

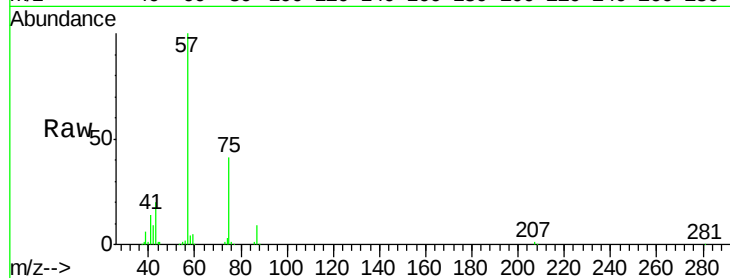
VNJ-230-218-211-216-242

Tgt Ion: 76 Resp: 3672

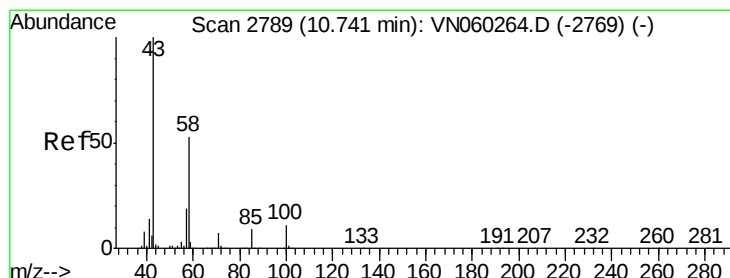
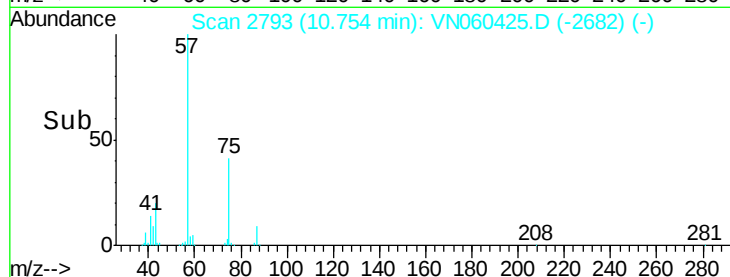
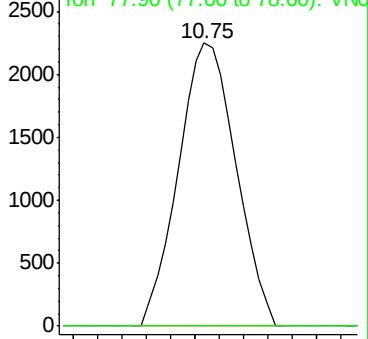
Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN060425.D (-2682) (-)



#59

2-Hexanone

Concen: 23.505 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060425.D

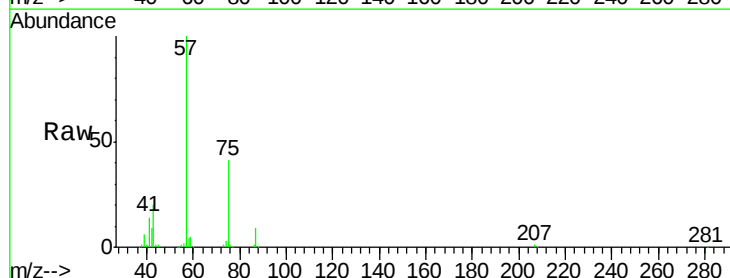
Acq: 10 Mar 2020 18:25

Tgt Ion: 43 Resp: 51608

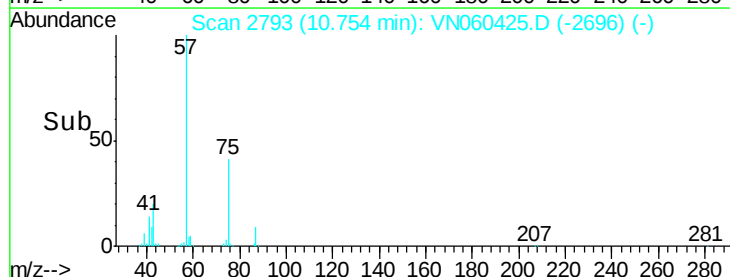
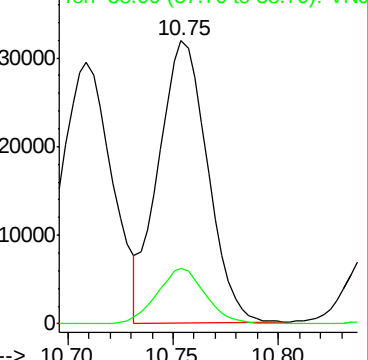
Ion Ratio Lower Upper

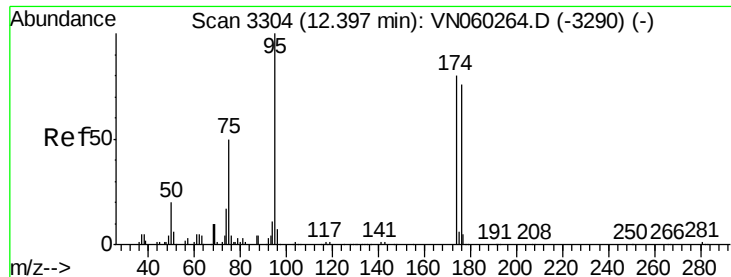
43 100

58 19.2 26.5 79.5#



Abundance Ion 43.00 (42.70 to 43.70): VN060425.D (-2696) (-)





#62

4-Bromofluorobenzene

Concen: 51.794 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060425.D

Acq: 10 Mar 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

VNJ-230-218-211-216-242

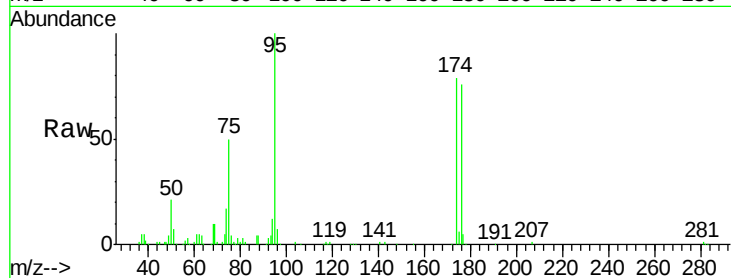
Tgt Ion: 95 Resp: 153984

Ion Ratio Lower Upper

95 100

174 79.6 0.0 159.2

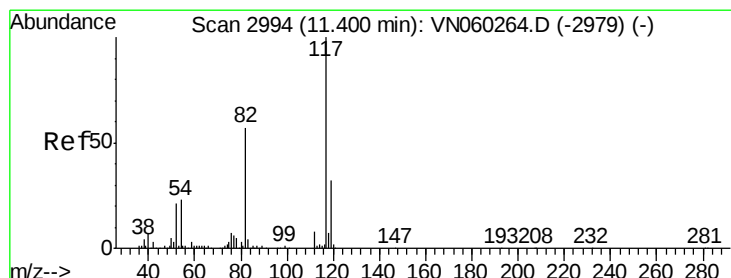
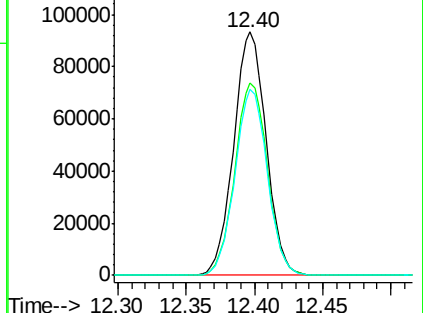
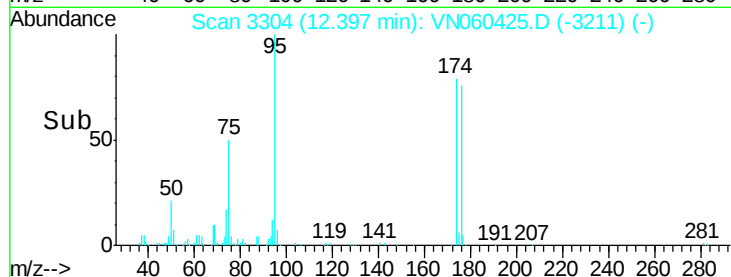
176 76.3 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VN060425.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060425.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060425.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060425.D

Acq: 10 Mar 2020 18:25

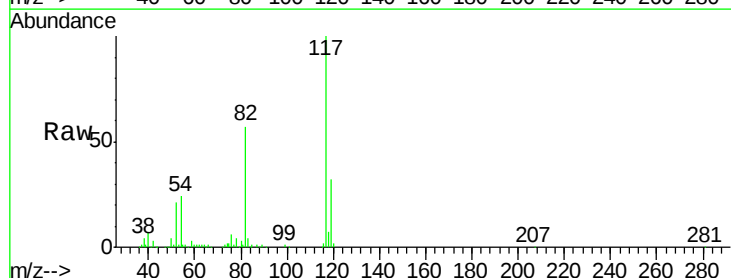
Tgt Ion: 117 Resp: 315509

Ion Ratio Lower Upper

117 100

82 57.4 45.8 68.6

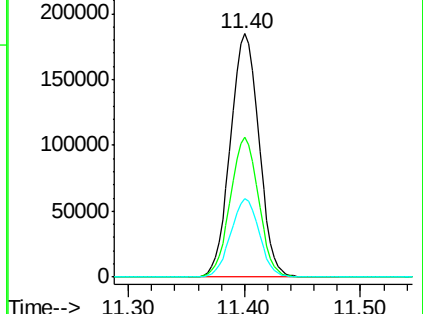
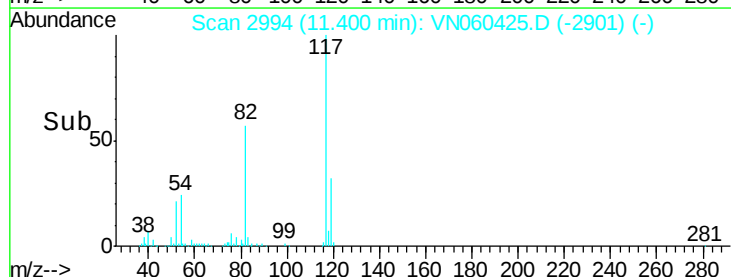
119 32.0 25.8 38.8

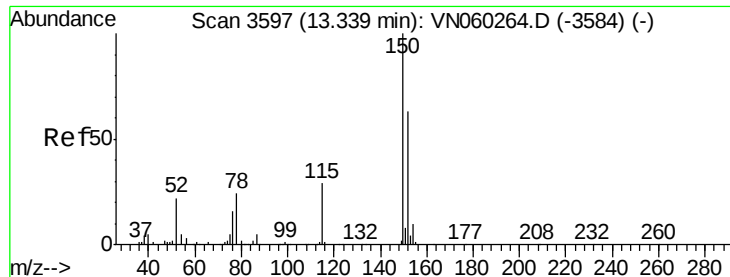


Abundance Ion 116.90 (116.60 to 117.60): VN060425.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060425.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060425.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060425.D

Acq: 10 Mar 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

VNJ-230-218-211-216-242

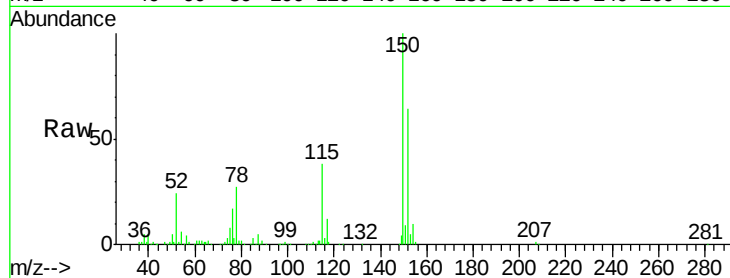
Tgt Ion:152 Resp: 147022

Ion Ratio Lower Upper

152 100

115 59.5 30.0 90.0

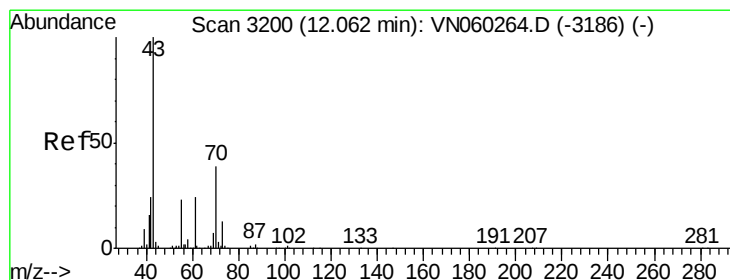
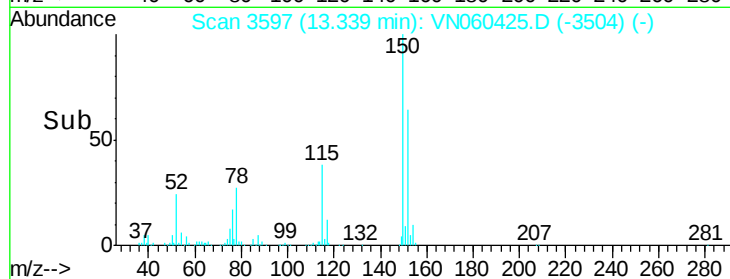
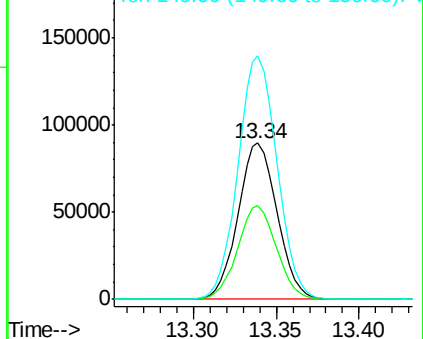
150 156.5 0.0 349.6



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: 0.629 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060425.D

Acq: 10 Mar 2020 18:25

Tgt Ion: 43 Resp: 2997

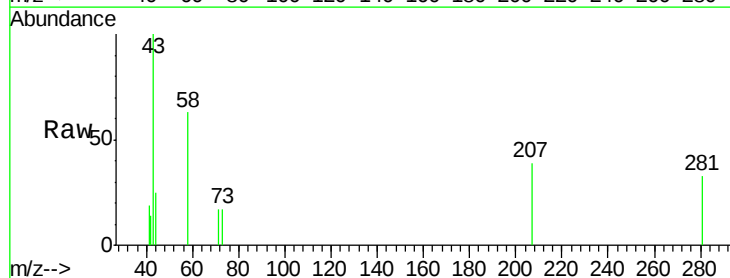
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.2#

55 0.0 18.2 27.4#

61 0.0 19.2 28.8#

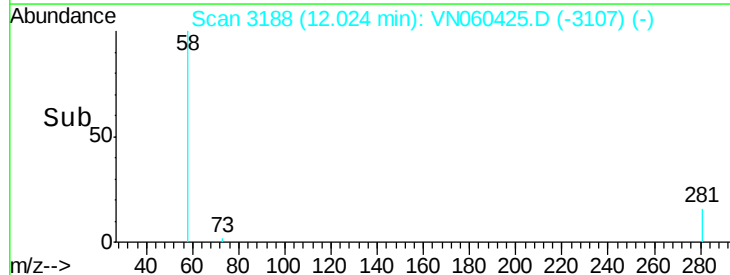
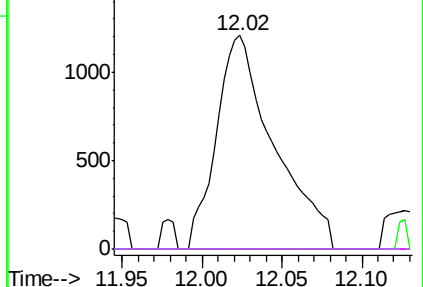


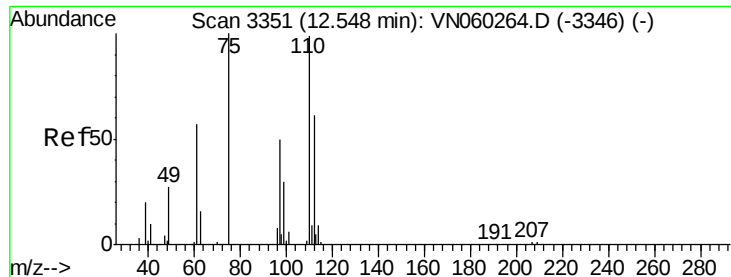
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 24.270 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060425.D

Acq: 10 Mar 2020 18:25

Instrument :

MSVOA_N

ClientSampleId :

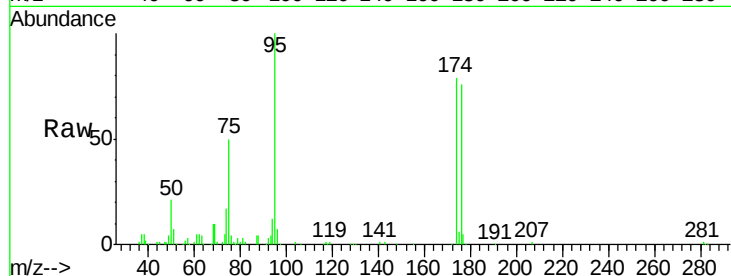
VNJ-230-218-211-216-242

Tgt Ion: 75 Resp: 78287

Ion Ratio Lower Upper

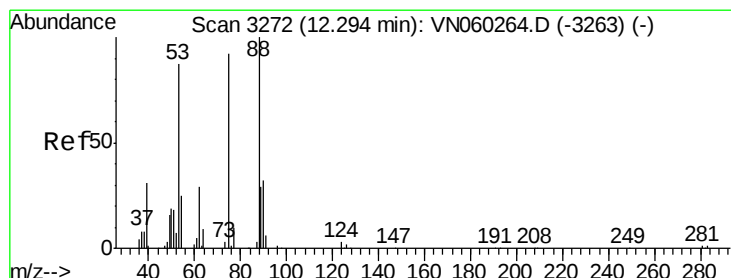
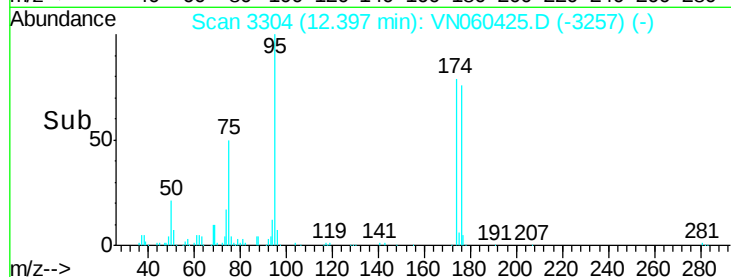
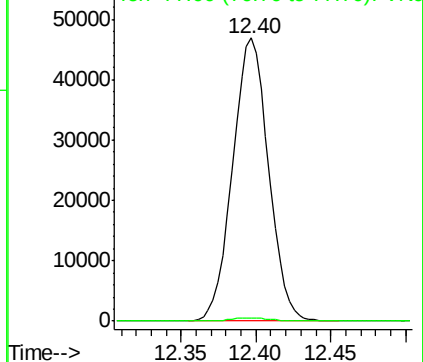
75 100

77 1.2 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: 66.997 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060425.D

Acq: 10 Mar 2020 18:25

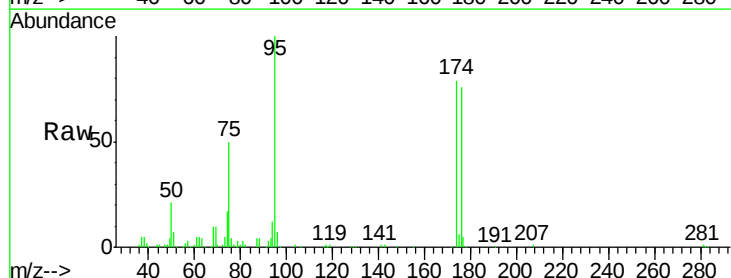
Tgt Ion: 75 Resp: 78287

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 57.1 85.7#



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

