

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040220\
 Data File : VN060822.D
 Acq On : 2 Apr 2020 14:50
 Operator : JC/MD
 Sample : L2018-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 03 07:42:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	202626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	338429	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	316071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142339	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	130856	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	
35) Dibromofluoromethane	7.56	113	102076	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
50) Toluene-d8	10.08	98	416917	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
62) 4-Bromofluorobenzene	12.40	95	154517	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	

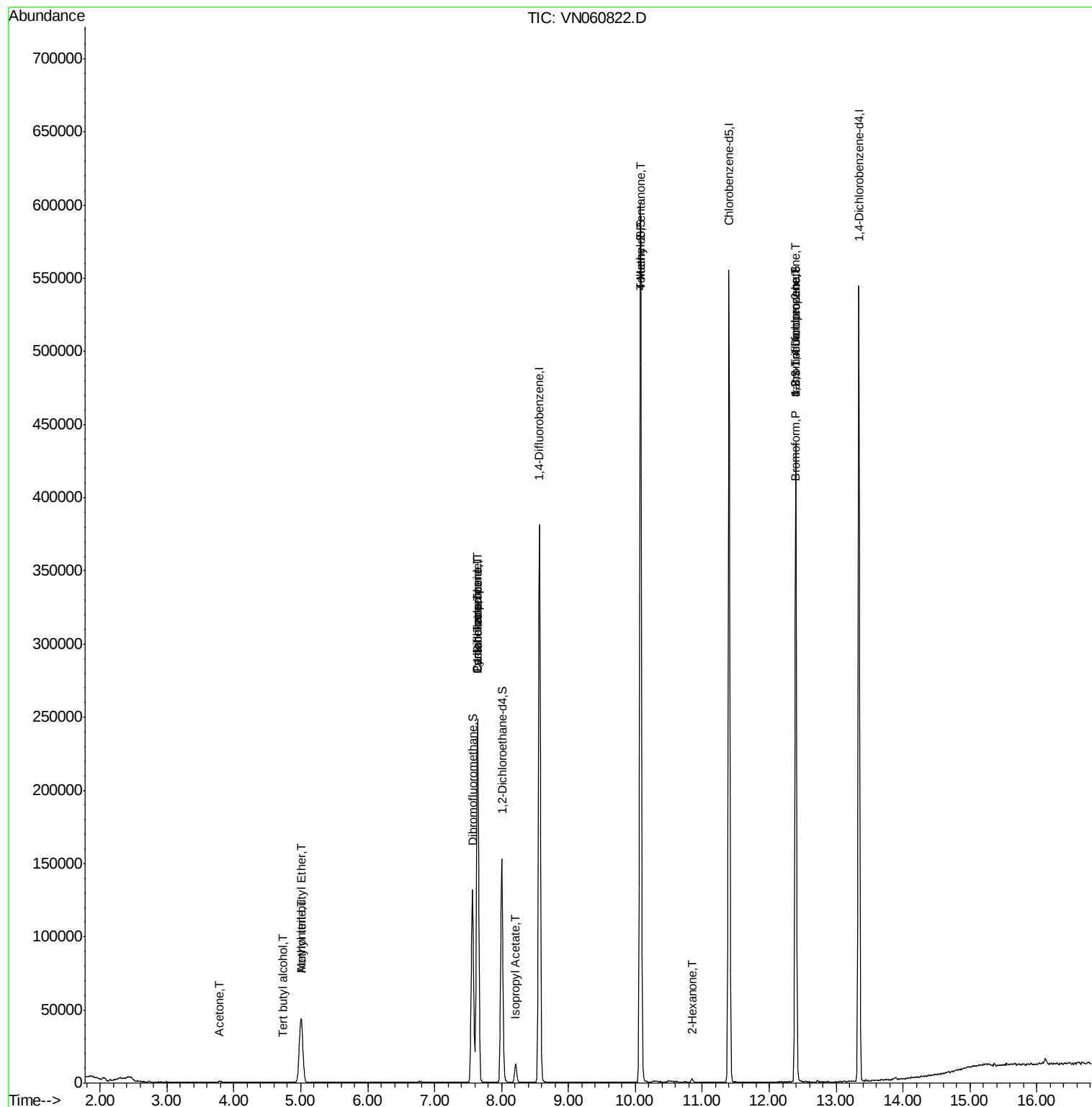
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	423	1.034	ug/l #	72
15) Acrylonitrile	4.99	53	319	0.265	ug/l #	17
16) Acetone	3.79	43	1916	1.945	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	77481	10.273	ug/l	96
31) Cyclohexane	7.64	56	4109	0.917	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	16218	4.949	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18785	6.396	ug/l #	16
43) Isopropyl Acetate	8.21	43	4286	0.734	ug/l #	23
51) 4-Methyl-2-Pentanone	10.08	43	1834	0.552	ug/l #	1
59) 2-Hexanone	10.84	43	565	0.236	ug/l #	25
71) Bromoform	12.38	173	81	1.722	ug/l #	29
76) 1,2,3-Trichloropropane	12.40	75	77996	25.394	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	77996	65.220	ug/l #	13

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060822.D

Acq: 2 Apr 2020 14:50

Instrument :

MSVOA_N

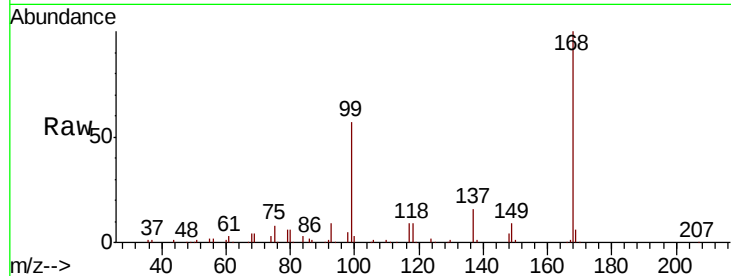
ClientSampleId :

Tot Ion:168 Resp: 202626

Ion Ratio Lower Upper

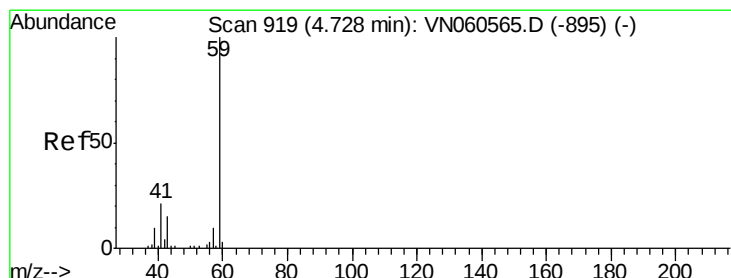
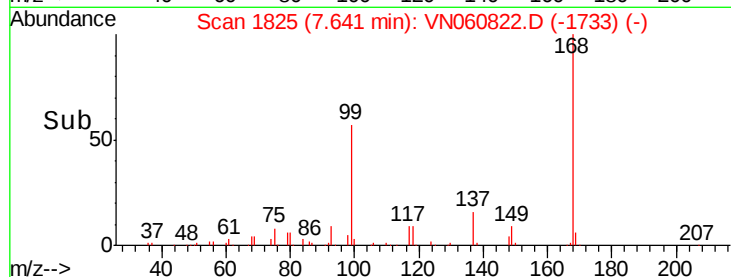
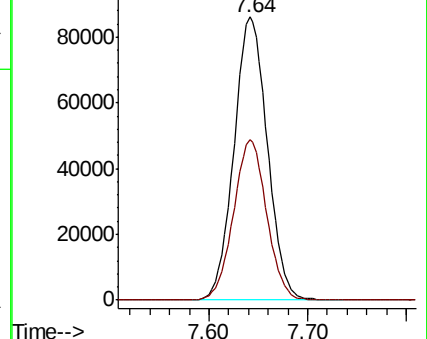
168 100

99 56.6 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 1.034 ug/l

RT: 4.73 min Scan# 919

Delta R.T. 0.00 min

Lab File: VN060822.D

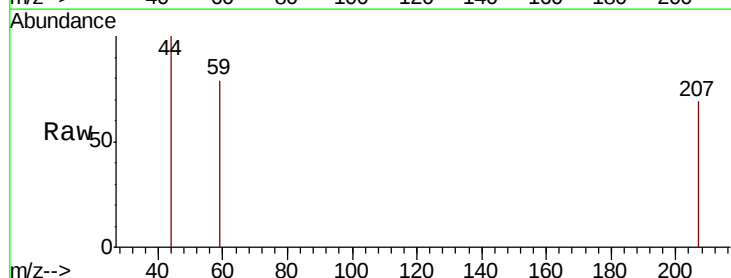
Acq: 2 Apr 2020 14:50

Tgt Ion: 59 Resp: 423

Ion Ratio Lower Upper

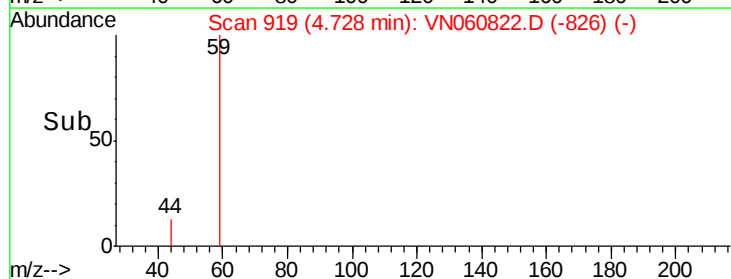
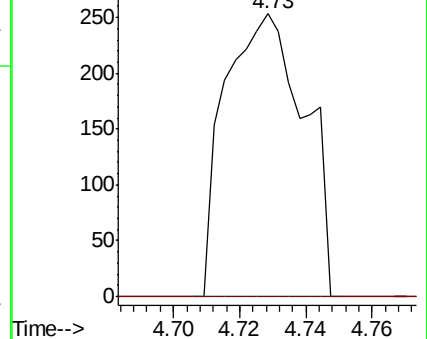
59 100

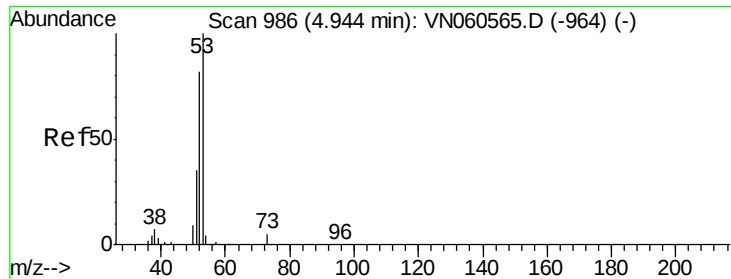
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#15

Acrylonitrile

Concen: 0.265 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.05 min

Lab File: VN060822.D

Acq: 2 Apr 2020 14:50

Instrument :

MSVOA_N

ClientSampleId :

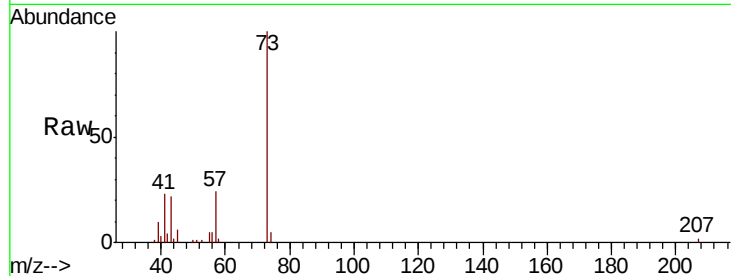
Tot Ion: 53 Resp: 319

Ion Ratio Lower Upper

53 100

52 0.0 66.2 99.4#

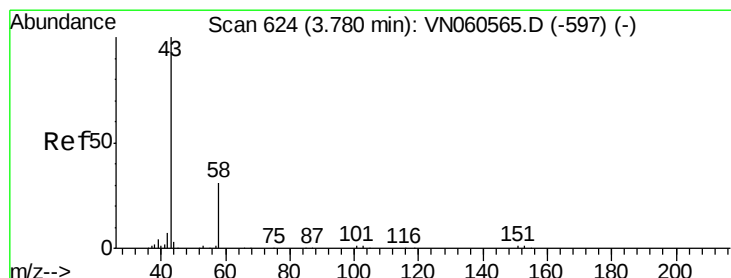
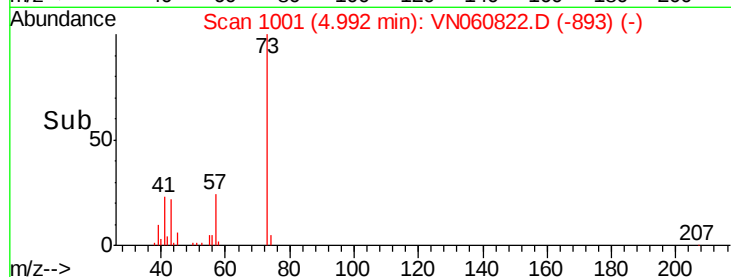
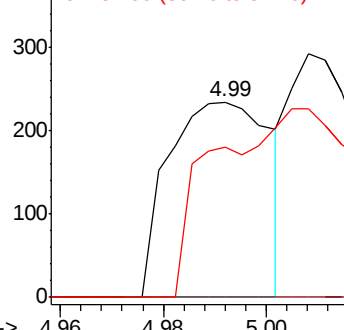
51 0.0 28.7 43.1#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 1.945 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060822.D

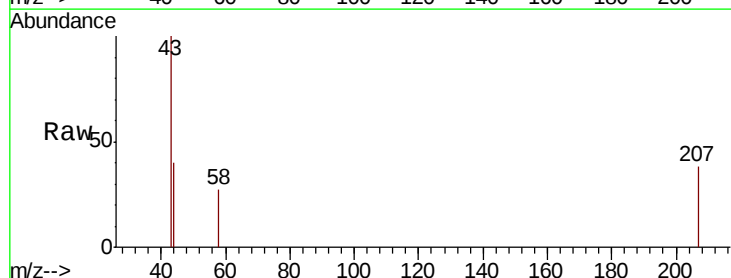
Acq: 2 Apr 2020 14:50

Tgt Ion: 43 Resp: 1916

Ion Ratio Lower Upper

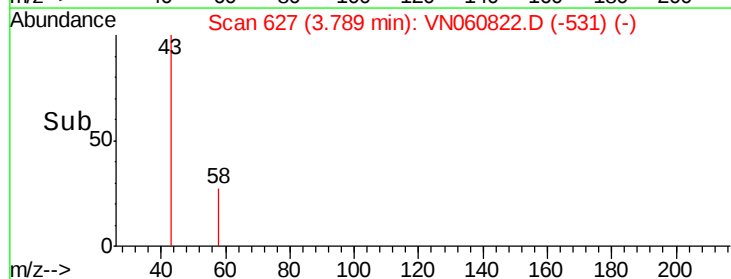
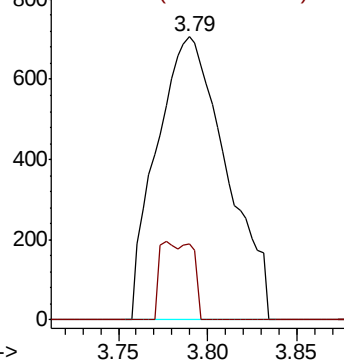
43 100

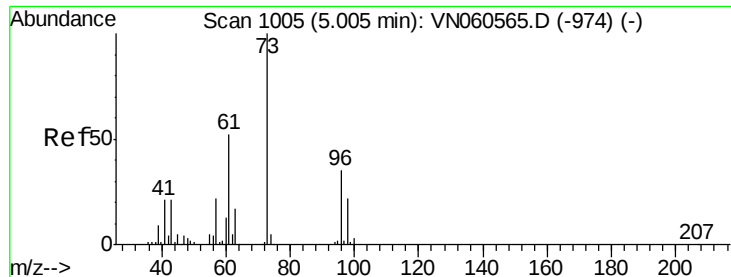
58 26.8 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



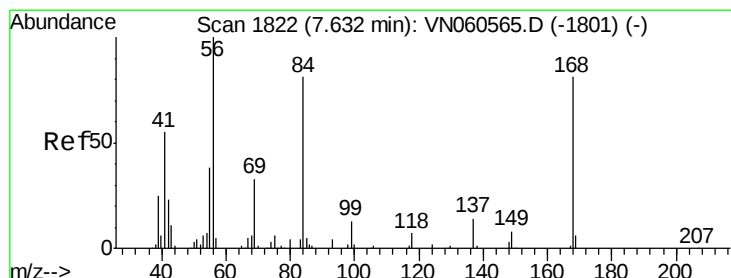
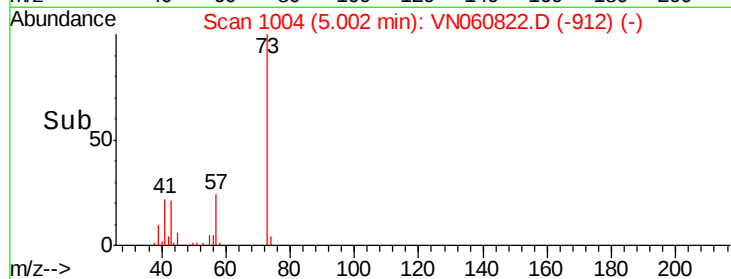
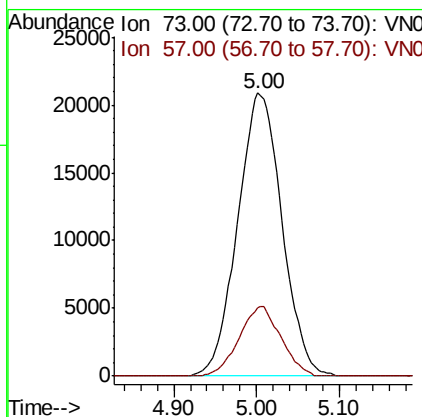
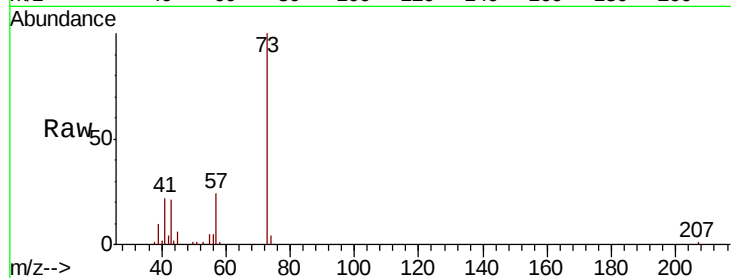


#19

Methvl tert-butvl Ether
 Concen: 10.273 ug/l
 RT: 5.00 min Scan# 1004
 Delta R.T. -0.00 min
 Lab File: VN060822.D
 Acq: 2 Apr 2020 14:50

Instrument :
 MSVOA_N
 ClientSampleId :

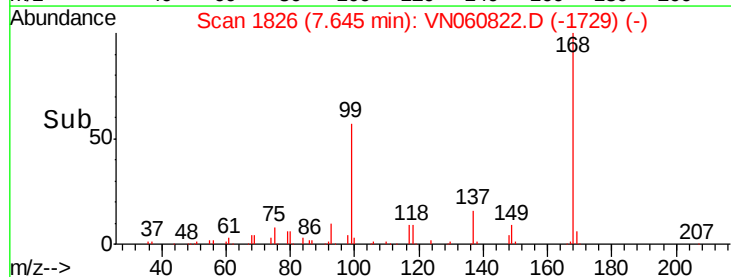
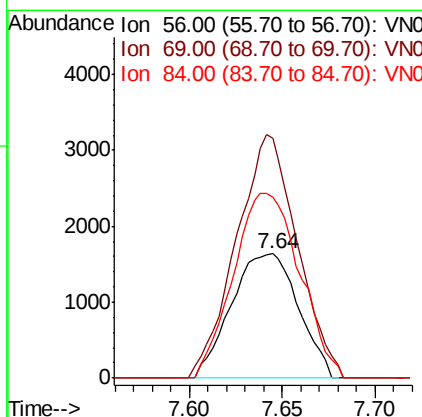
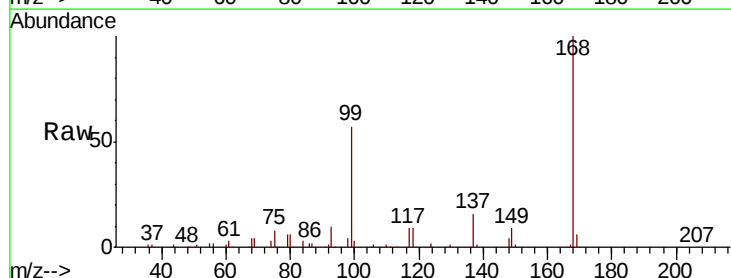
Tot Ion: 73 Resp: 77481
 Ion Ratio Lower Upper
 73 100
 57 24.0 17.5 26.3



#31

Cyclohexane
 Concen: 0.917 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. 0.01 min
 Lab File: VN060822.D
 Acq: 2 Apr 2020 14:50

Tgt Ion: 56 Resp: 4109
 Ion Ratio Lower Upper
 56 100
 69 193.6 26.6 40.0#
 84 145.8 64.3 96.5#

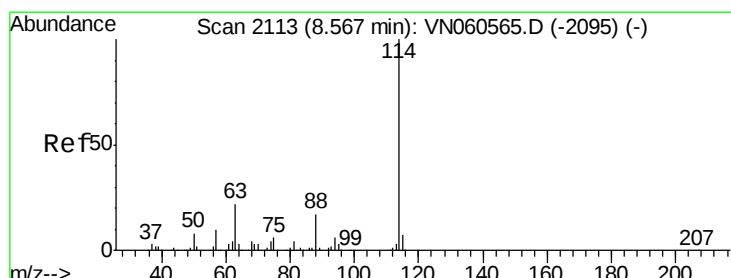
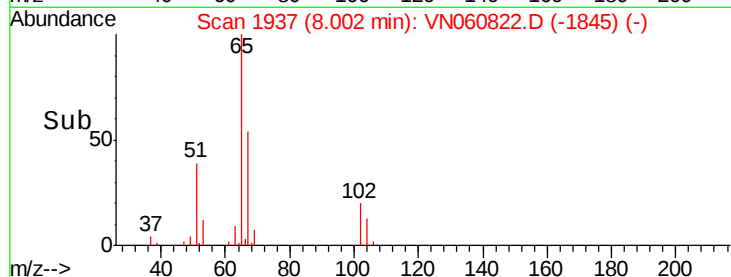
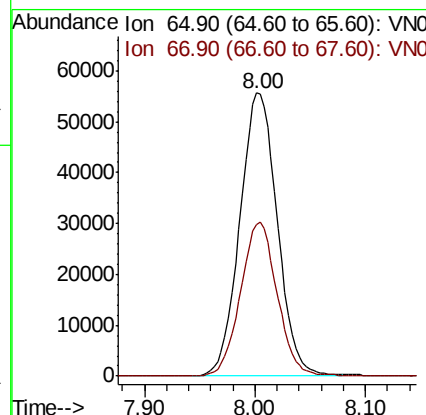
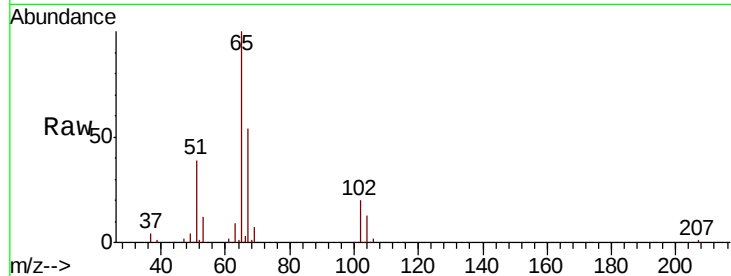




#33
 1,2-Dichloroethane-d4
 Concen: 47.044 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060822.D
 Acq: 2 Apr 2020 14:50

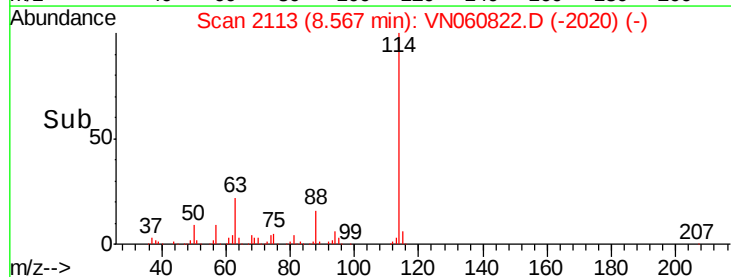
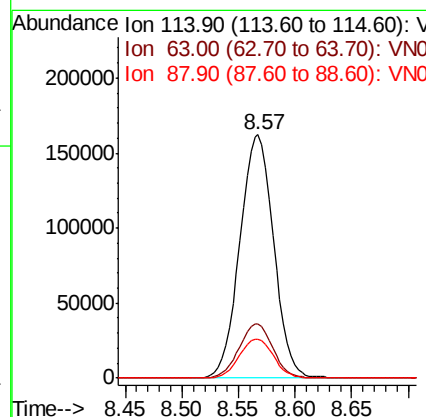
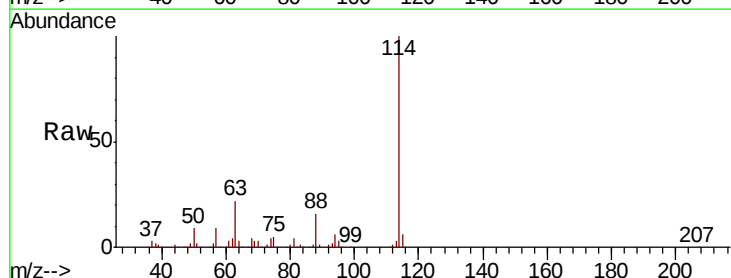
Instrument :
 MSVOA_N
 ClientSampleId :

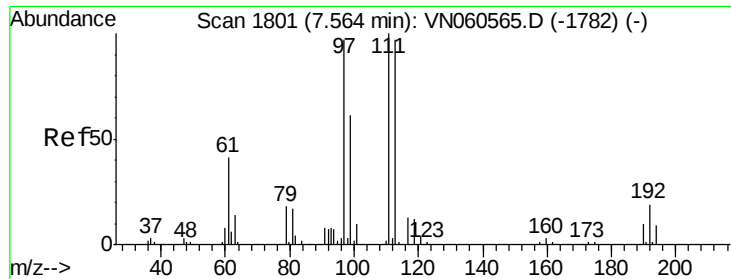
Tot Ion: 65 Resp: 130856
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060822.D
 Acq: 2 Apr 2020 14:50

Tgt Ion: 114 Resp: 338429
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.8
 88 16.2 0.0 33.0

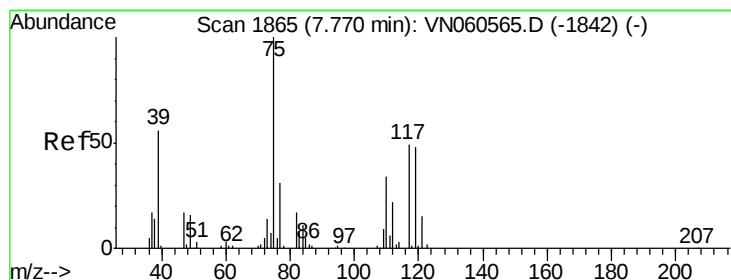
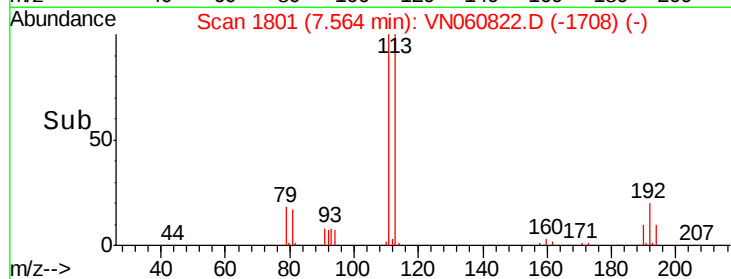
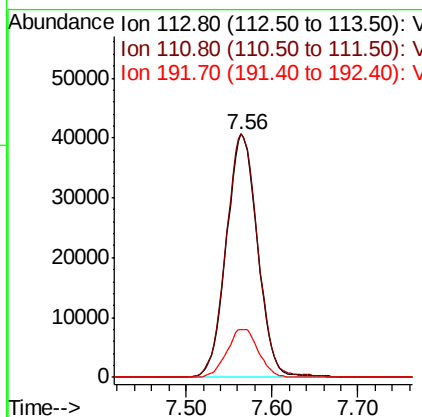
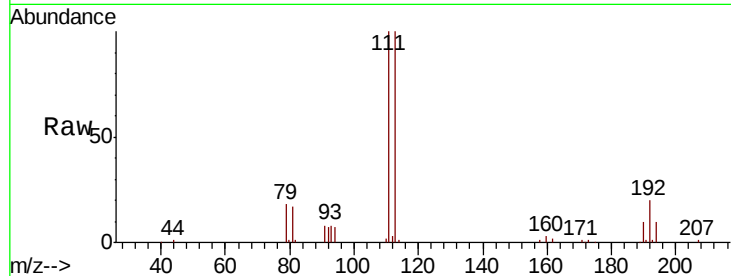




#35
 Dibromofluoromethane
 Concen: 49.881 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN060822.D
 Acq: 2 Apr 2020 14:50

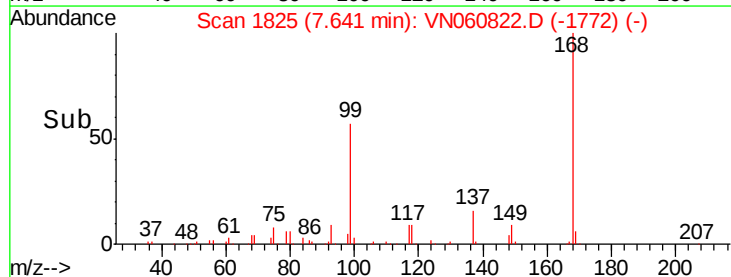
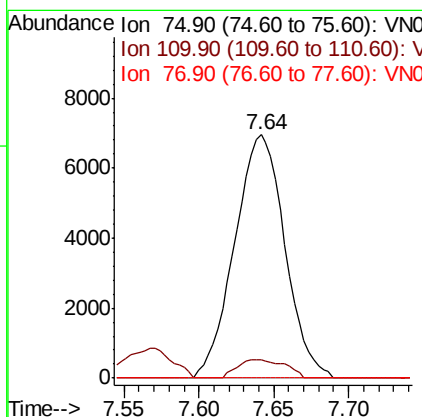
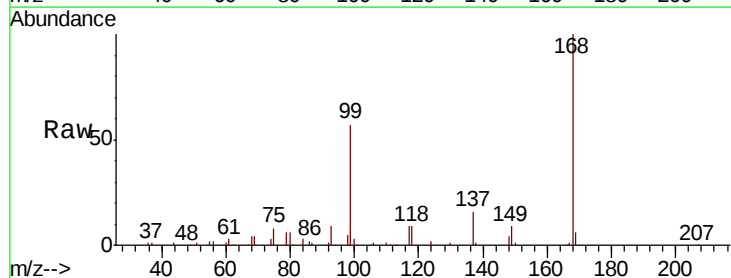
Instrument :
 MSVOA_N
 ClientSampled :

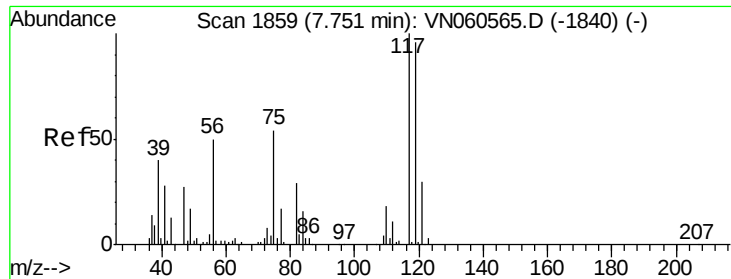
Tot Ion:113 Resp: 102076
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.9 124.3
 192 19.9 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.949 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060822.D
 Acq: 2 Apr 2020 14:50

Tgt Ion: 75 Resp: 16218
 Ion Ratio Lower Upper
 75 100
 110 7.3 16.9 50.6#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.396 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060822.D

Acq: 2 Apr 2020 14:50

Instrument :

MSVOA_N

ClientSampled :

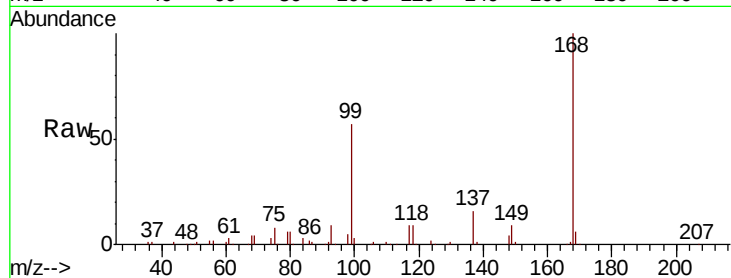
Tot Ion:117 Resp: 18785

Ion Ratio Lower Upper

117 100

119 5.2 76.2 114.2#

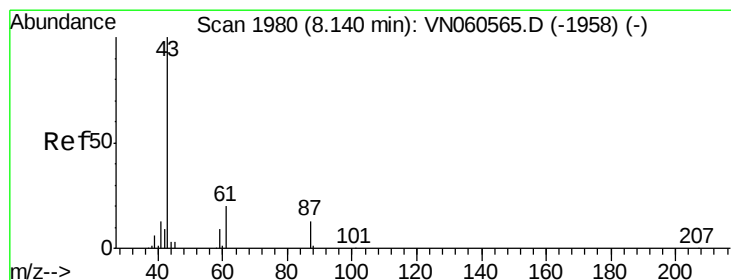
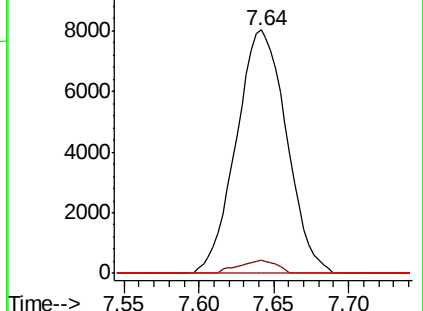
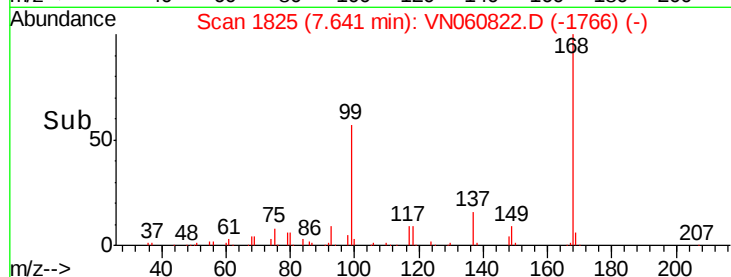
121 0.0 23.7 35.5#



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: 0.734 ug/l

RT: 8.21 min Scan# 2001

Delta R.T. 0.07 min

Lab File: VN060822.D

Acq: 2 Apr 2020 14:50

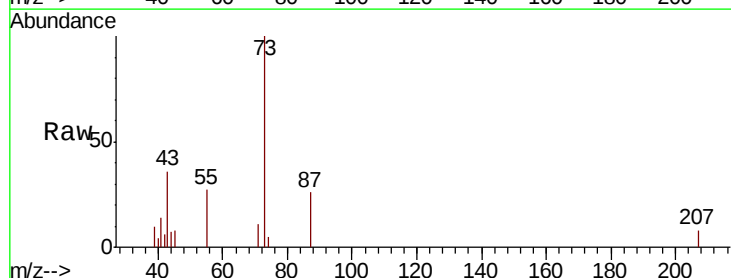
Tgt Ion: 43 Resp: 4286

Ion Ratio Lower Upper

43 100

61 0.0 20.7 31.1#

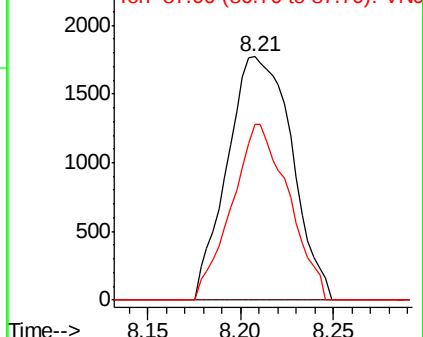
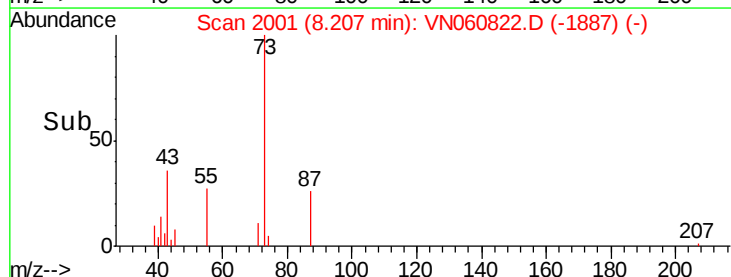
87 63.8 9.8 14.8#

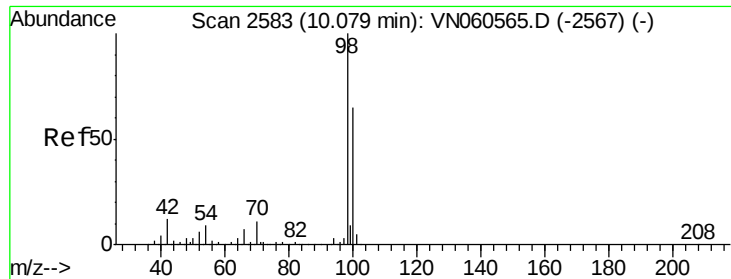


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 49.879 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060822.D

Acq: 2 Apr 2020 14:50

Instrument :

MSVOA_N

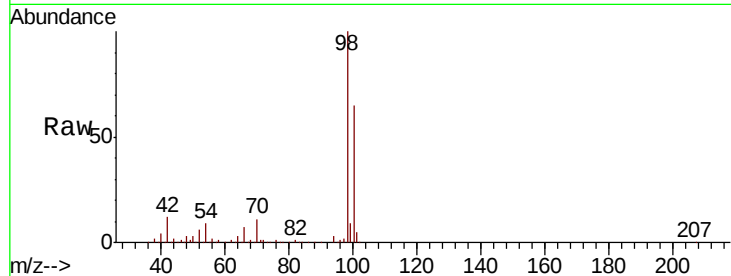
ClientSampled :

Tot Ion: 98 Resp: 416917

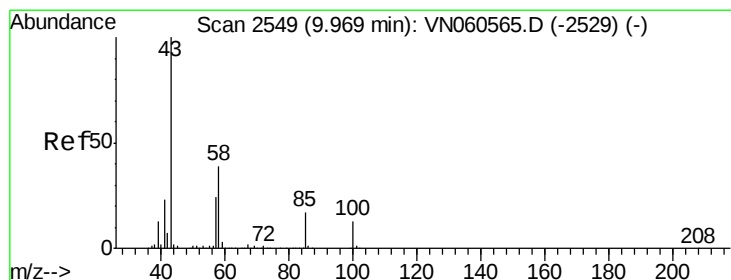
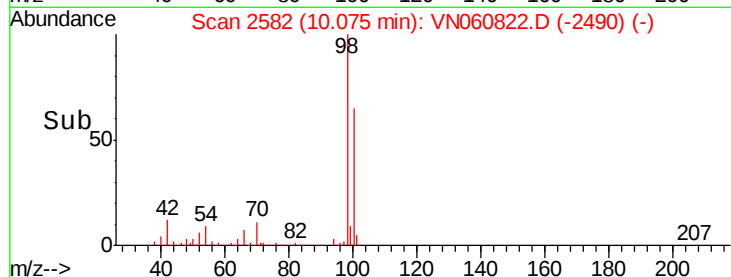
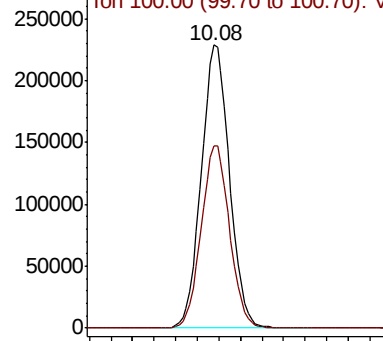
Ion Ratio Lower Upper

98 100

100 64.7 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN060822.D (-2490) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.552 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.11 min

Lab File: VN060822.D

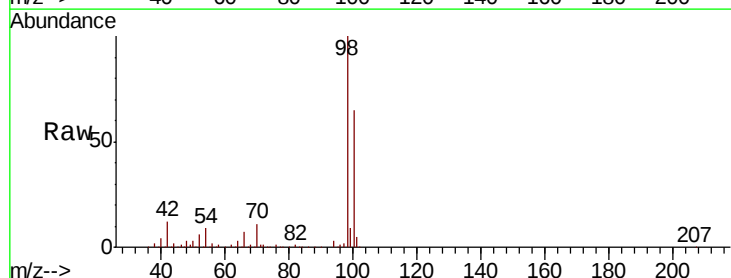
Acq: 2 Apr 2020 14:50

Tgt Ion: 43 Resp: 1834

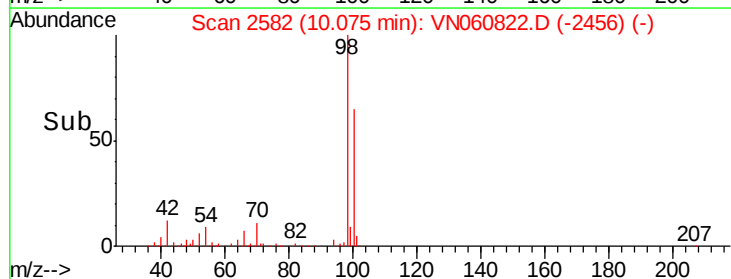
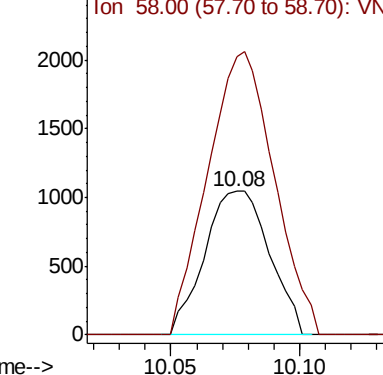
Ion Ratio Lower Upper

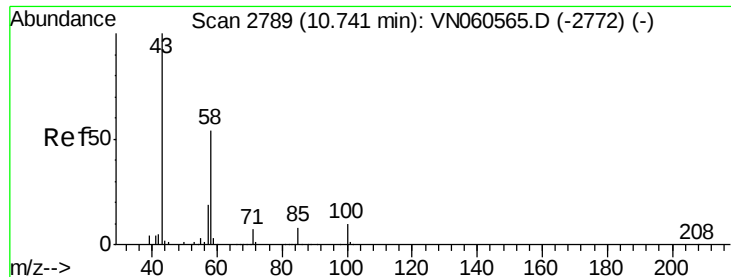
43 100

58 201.7 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VN060822.D (-2456) (-)

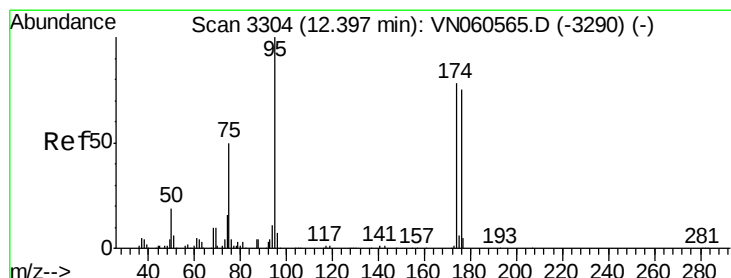
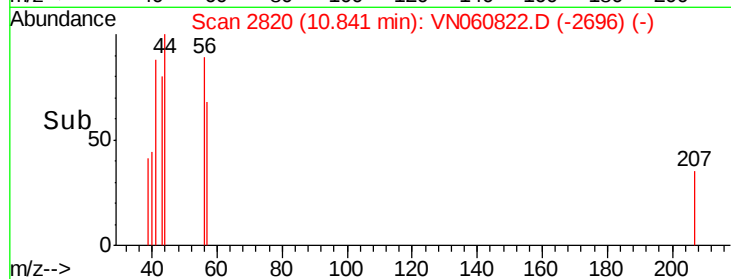
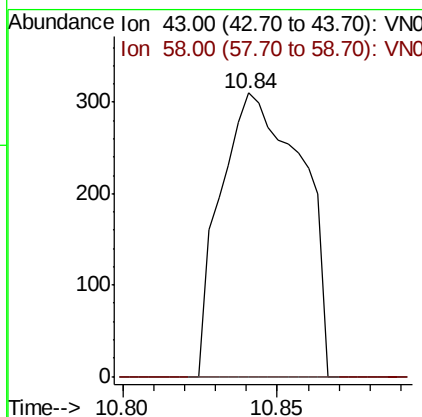
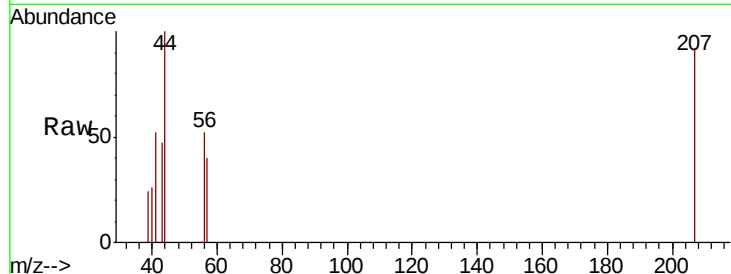




#59
2-Hexanone
Concen: 0.236 ug/l
RT: 10.84 min Scan# 2820
Delta R.T. 0.10 min
Lab File: VN060822.D
Acq: 2 Apr 2020 14:50

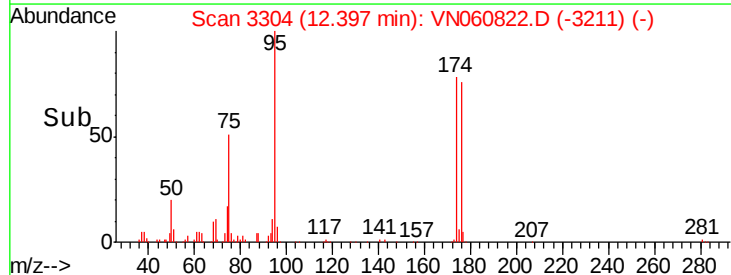
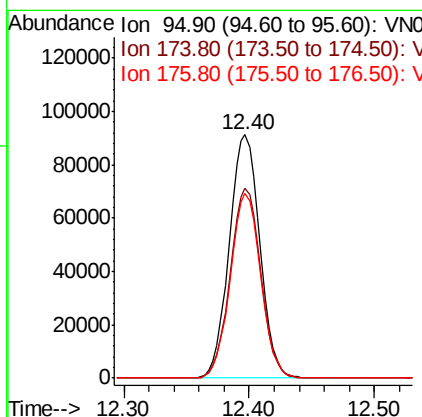
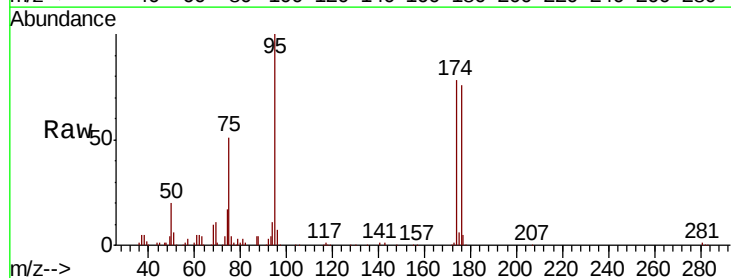
Instrument :
MSVOA_N
ClientSampleId :

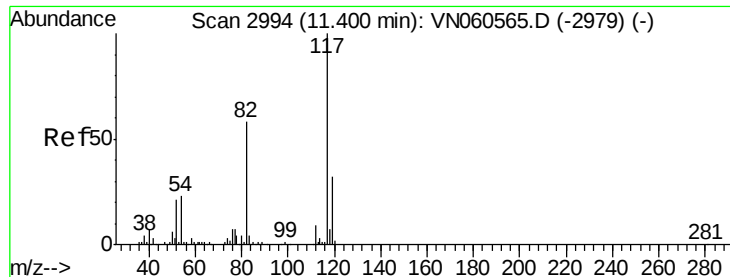
Tot Ion: 43 Resp: 565
Ion Ratio Lower Upper
43 100
58 0.0 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 50.441 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060822.D
Acq: 2 Apr 2020 14:50

Tgt Ion: 95 Resp: 154517
Ion Ratio Lower Upper
95 100
174 77.8 0.0 157.6
176 75.4 0.0 150.6

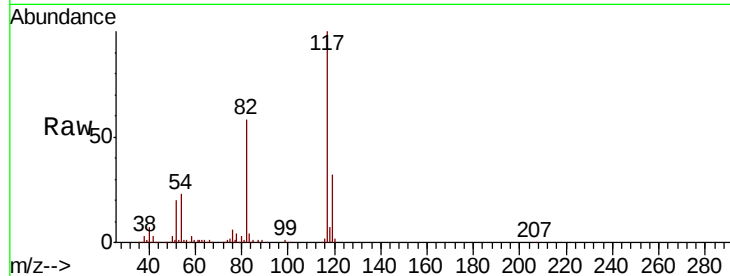




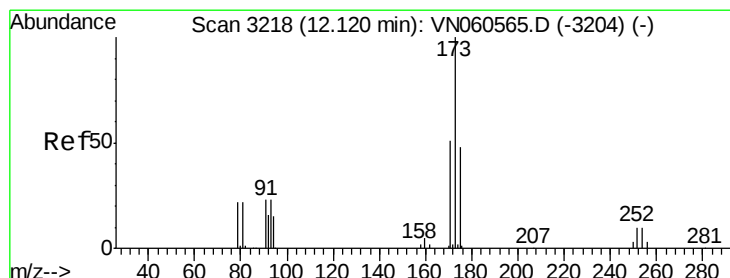
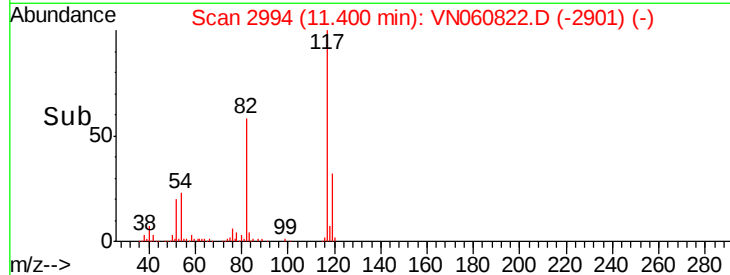
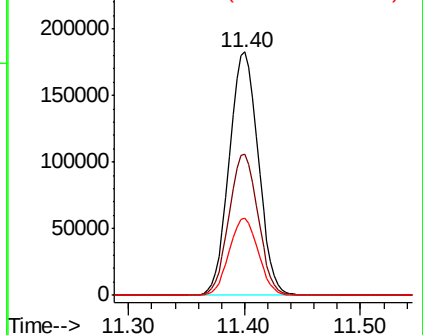
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060822.D
Acq: 2 Apr 2020 14:50

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 316071
Ion Ratio Lower Upper
117 100
82 57.7 46.7 70.1
119 31.6 25.5 38.3

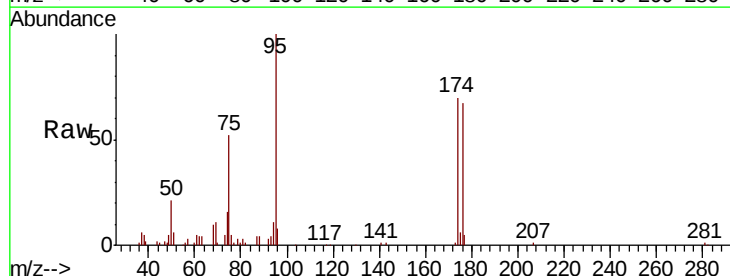


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

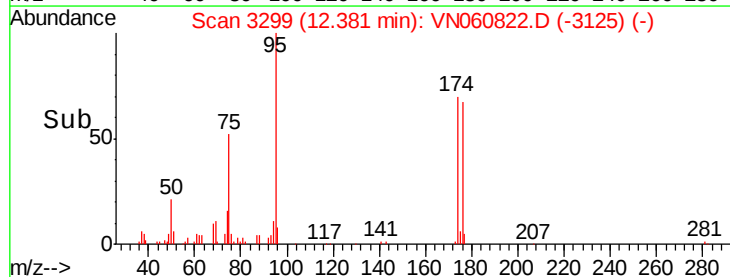
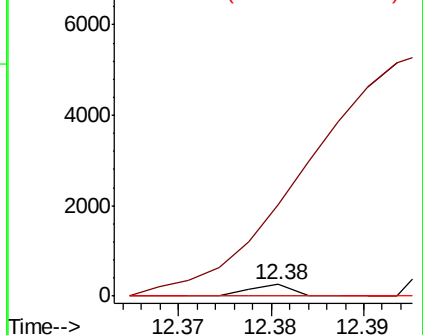


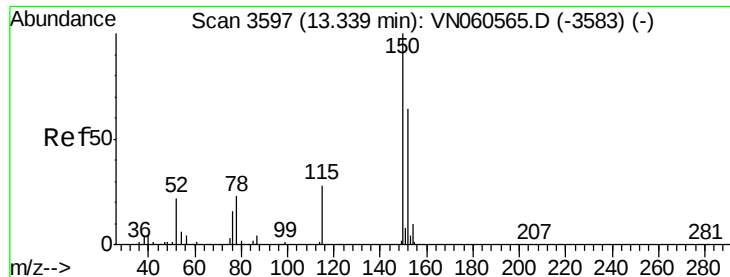
#71
Bromoform
Concen: 1.722 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.26 min
Lab File: VN060822.D
Acq: 2 Apr 2020 14:50

Tgt Ion:173 Resp: 81
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.4#
254 0.0 0.0 0.0



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: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060822.D

Acq: 2 Apr 2020 14:50

Instrument :

MSVOA_N

ClientSampleId :

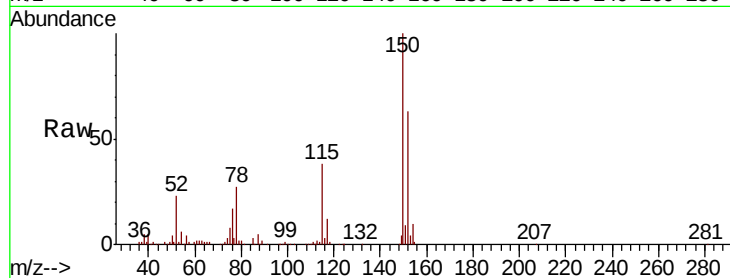
Tot Ion:152 Resp: 142339

Ion Ratio Lower Upper

152 100

115 59.7 30.2 90.6

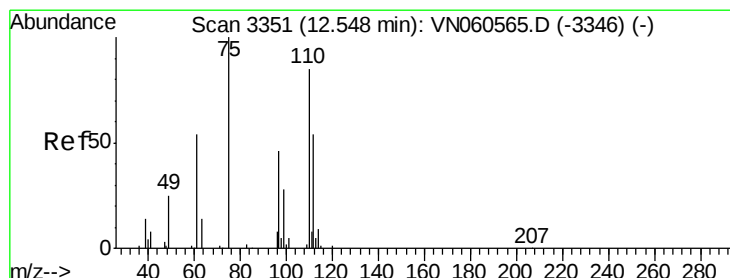
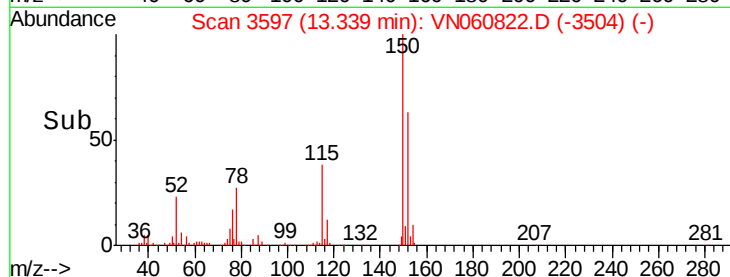
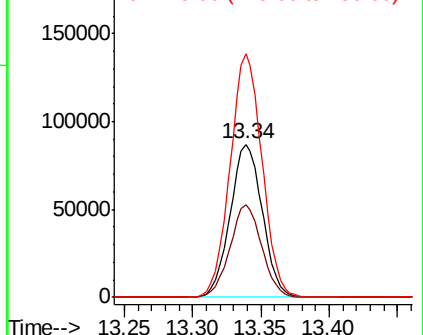
150 158.1 0.0 350.2



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



#76

1,2,3-Trichloropropane

Concen: 25.394 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060822.D

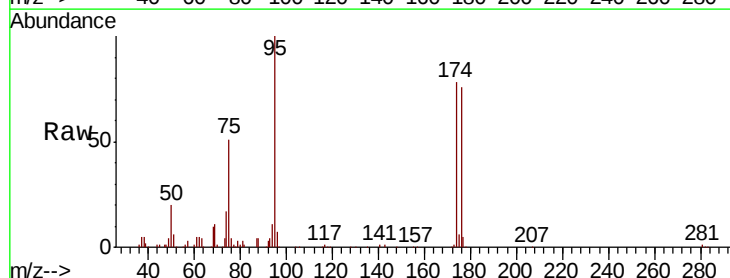
Acq: 2 Apr 2020 14:50

Tgt Ion: 75 Resp: 77996

Ion Ratio Lower Upper

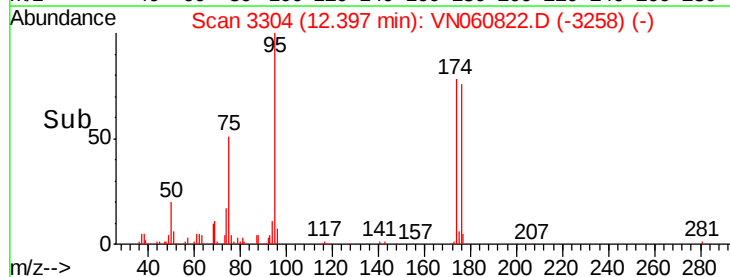
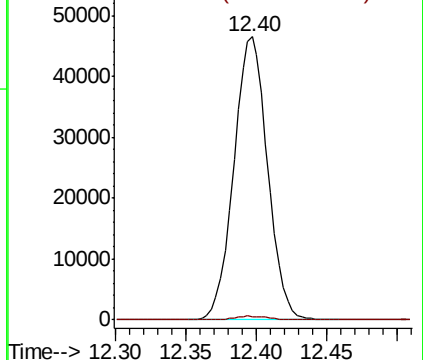
75 100

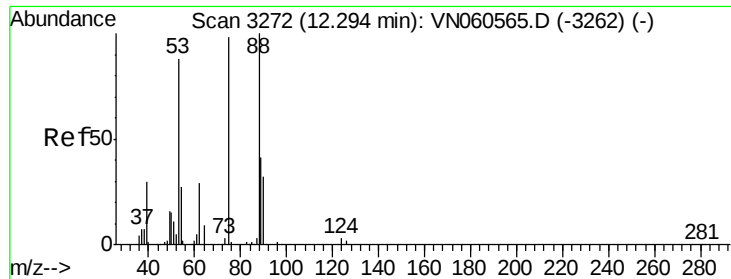
77 1.2 0.0 0.0#



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: 65.220 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060822.D

Acq: 2 Apr 2020 14:50

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 77996

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

