

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032020\
 Data File : VN060653.D
 Acq On : 20 Mar 2020 15:25
 Operator : JC/MD
 Sample : PB127692ZHE#10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 20 23:25:07 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	180885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	300433	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	275869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	123597	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	118001	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
35) Dibromofluoromethane	7.57	113	88374	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
50) Toluene-d8	10.08	98	369303	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.40	95	134096	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	

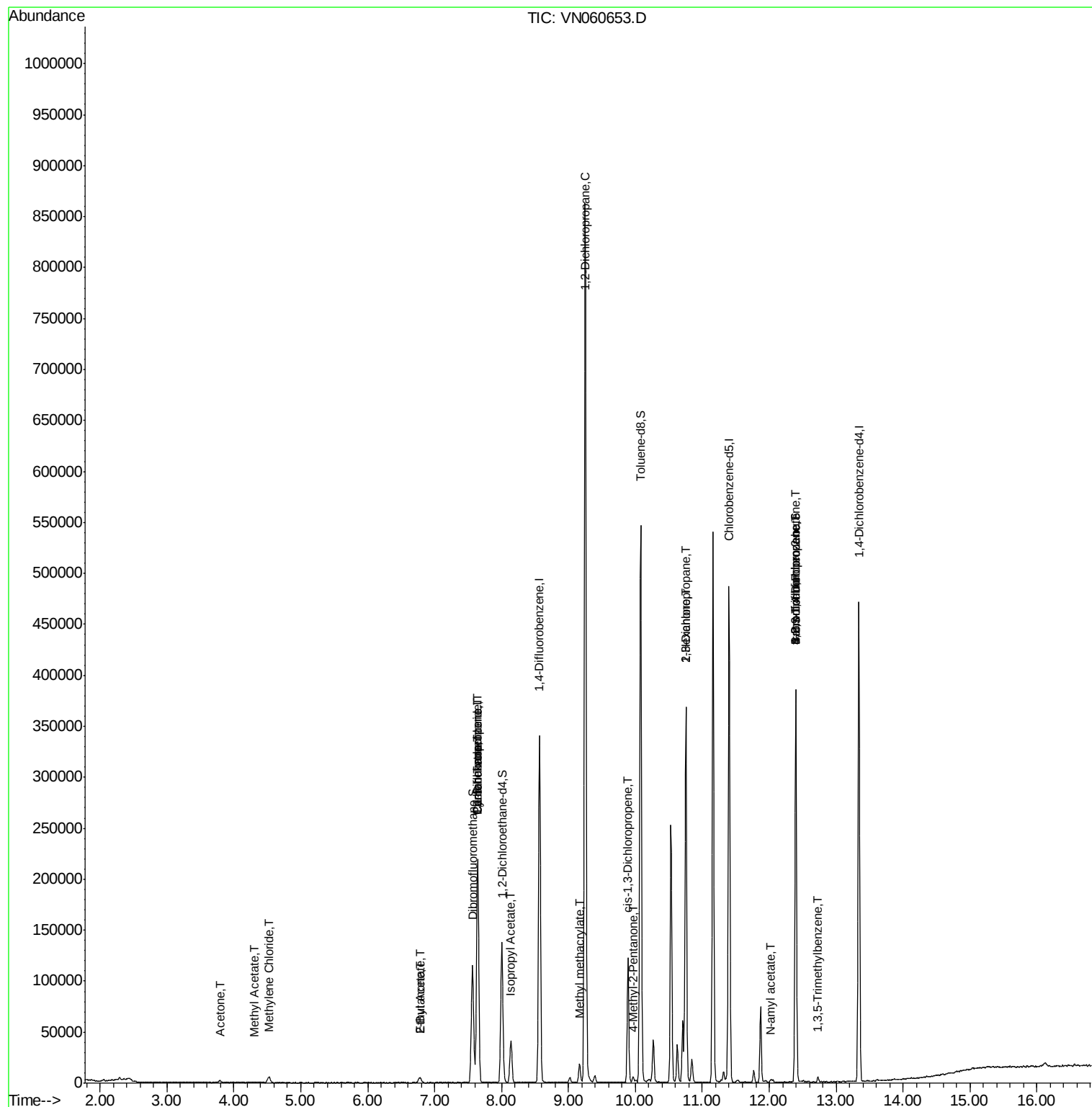
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	3981	4.526	ug/l	98
18) Methyl Acetate	4.30	43	1507	0.609	ug/l #	75
20) Methylene Chloride	4.52	84	4200	1.941	ug/l	96
25) 2-Butanone	6.80	43	799	0.561	ug/l #	50
31) Cyclohexane	7.64	56	3747	0.937	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14034	4.824	ug/l #	50
37) Ethyl Acetate	6.80	43	799	0.254	ug/l #	70
38) Carbon Tetrachloride	7.65	117	17369	6.662	ug/l #	16
43) Isopropyl Acetate	8.14	43	50548	9.751	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	920	0.397	ug/l #	43
48) Methyl methacrylate	9.16	41	2661	1.153	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	3333	1.130	ug/l	100
54) cis-1,3-Dichloropropene	9.89	75	21578	5.882	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	3734	1.055	ug/l #	42
59) 2-Hexanone	10.75	43	55101	25.930	ug/l #	52
71) Bromoform	12.39	173	187	1.790	ug/l #	1
74) N-amyl acetate	12.02	43	2577	0.601	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	68783	25.791	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2977	0.378	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.40	75	68783	66.238	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# 1826

Delta R.T. -0.00 min

Lab File: VN060653.D

Acq: 20 Mar 2020 15:25

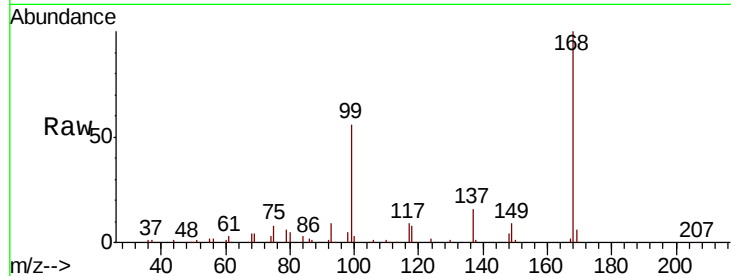
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 180885

Ion Ratio Lower Upper

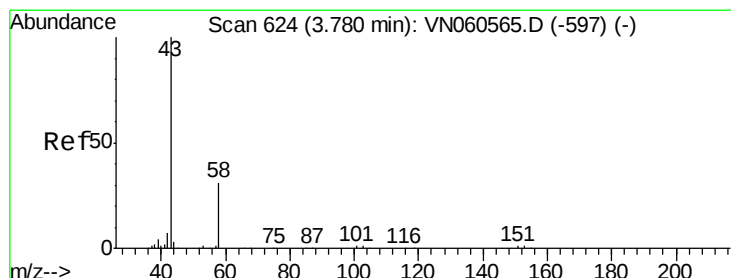
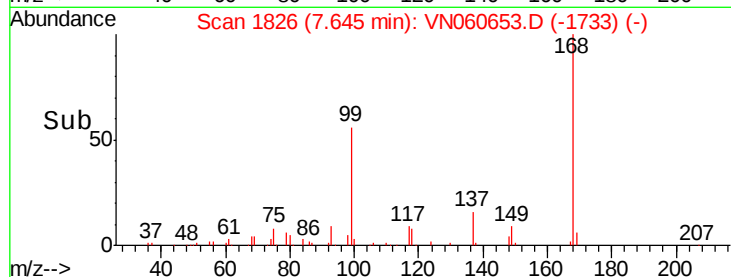
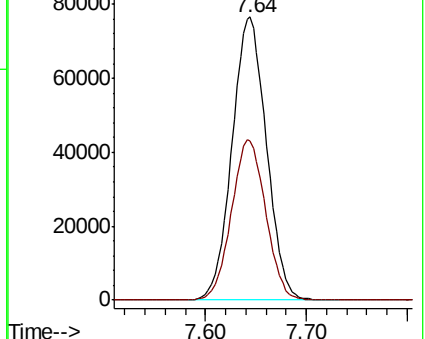
168 100

99 56.2 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 4.526 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060653.D

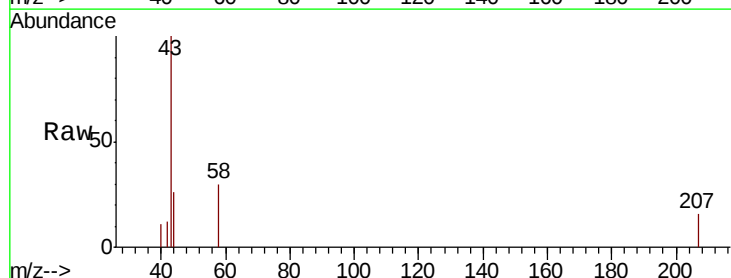
Acq: 20 Mar 2020 15:25

Tgt Ion: 43 Resp: 3981

Ion Ratio Lower Upper

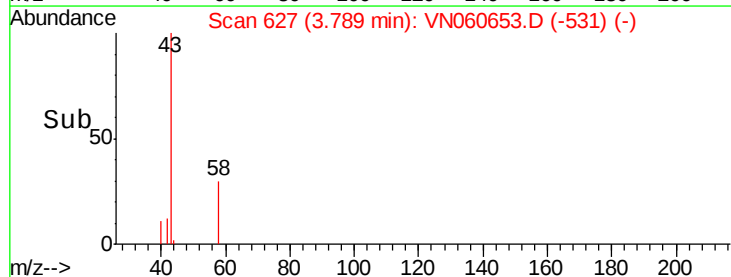
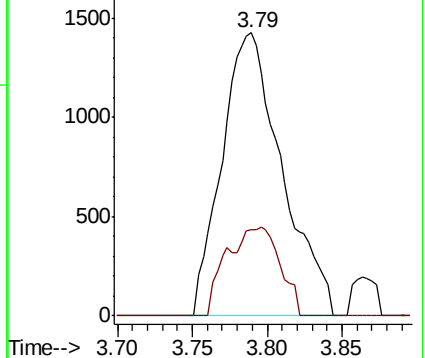
43 100

58 30.4 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

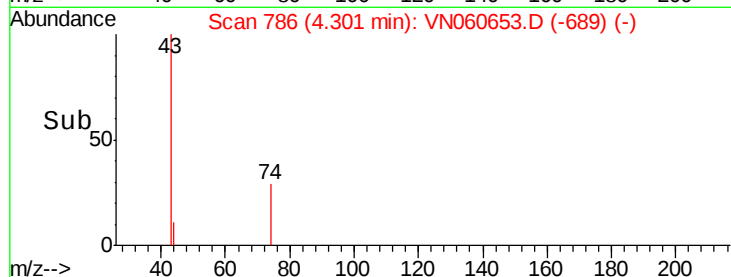
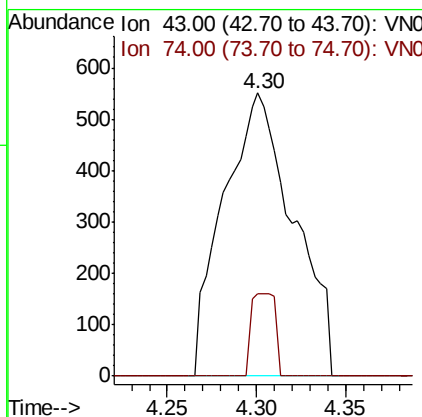
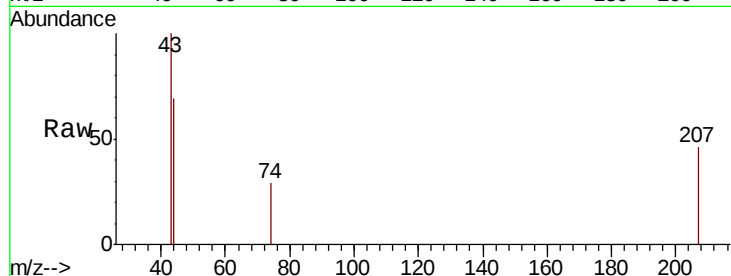




#18
Methyl Acetate
Concen: 0.609 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN060653.D
Acq: 20 Mar 2020 15:25

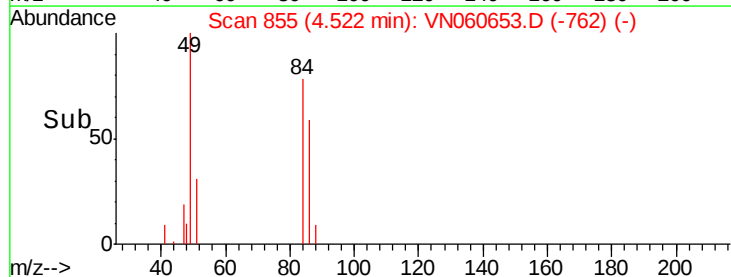
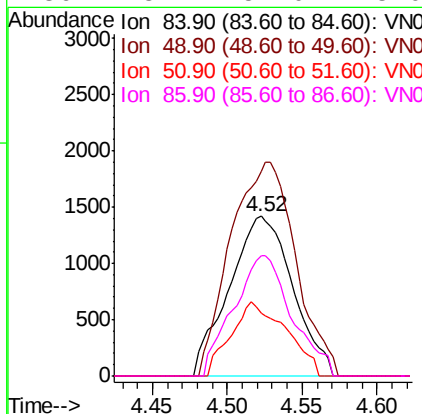
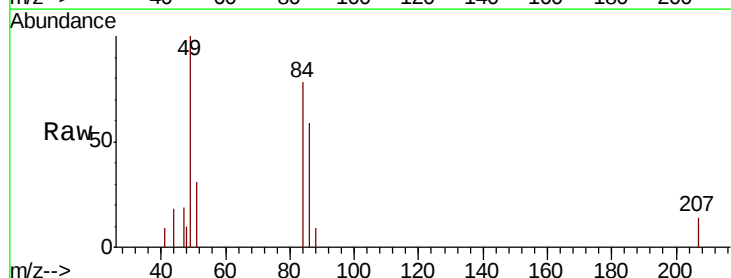
Instrument :
MSVOA_N
ClientSampleId :

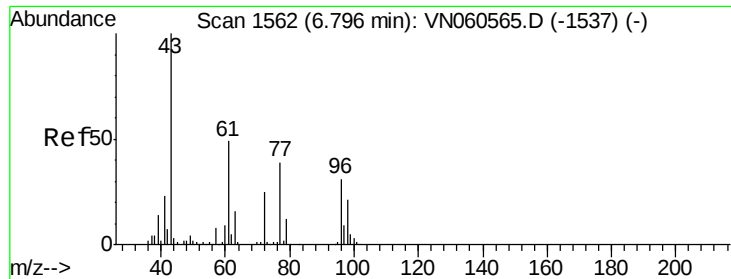
Tot Ion: 43 Resp: 1507
Ion Ratio Lower Upper
43 100
74 10.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.941 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060653.D
Acq: 20 Mar 2020 15:25

Tgt Ion: 84 Resp: 4200
Ion Ratio Lower Upper
84 100
49 128.3 103.3 154.9
51 39.1 31.6 47.4
86 75.1 52.0 78.0





#25

2-Butanone

Concen: 0.561 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060653.D

Acq: 20 Mar 2020 15:25

Instrument :

MSVOA_N

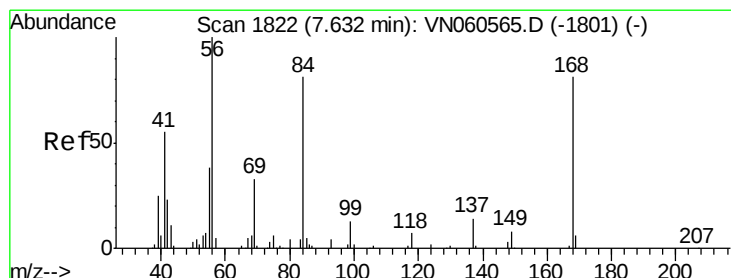
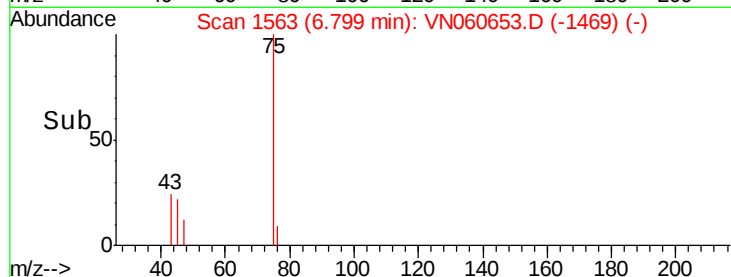
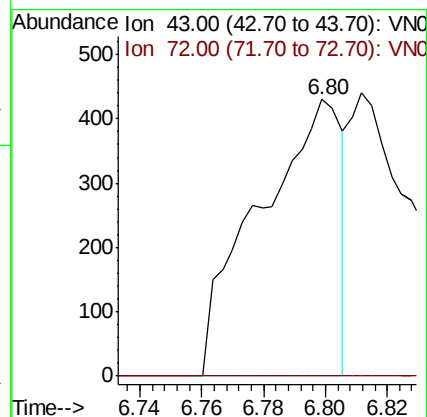
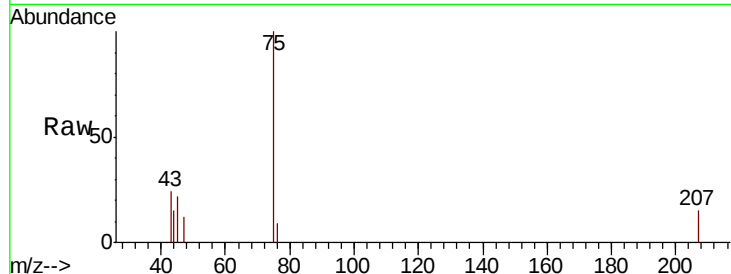
ClientSampleId :

Tot Ion: 43 Resp: 799

Ion Ratio Lower Upper

43 100

72 0.0 20.4 30.6#



#31

Cyclohexane

Concen: 0.937 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060653.D

Acq: 20 Mar 2020 15:25

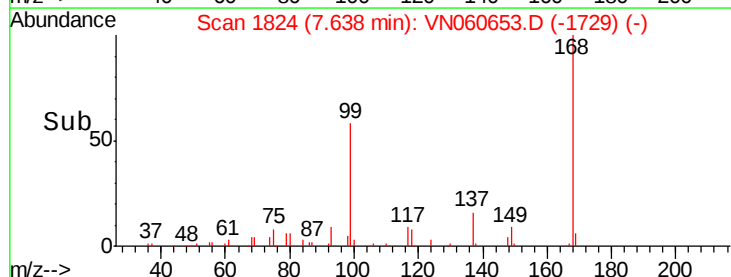
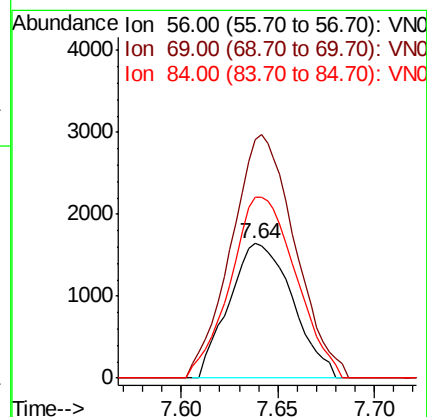
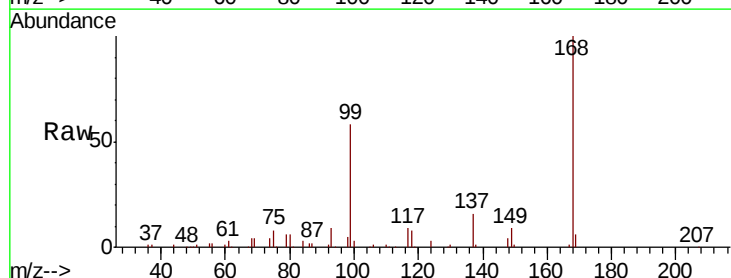
Tgt Ion: 56 Resp: 3747

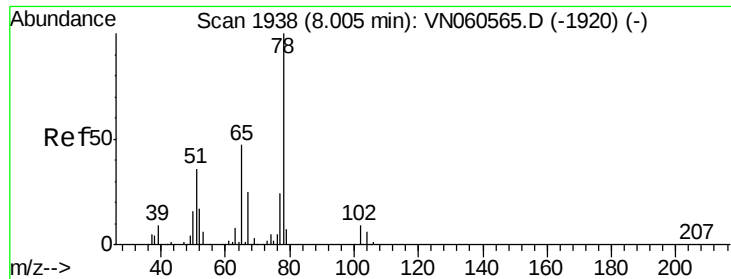
Ion Ratio Lower Upper

56 100

69 166.3 26.6 40.0#

84 134.2 64.3 96.5#

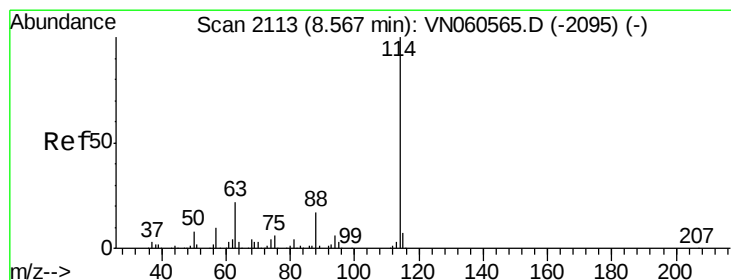
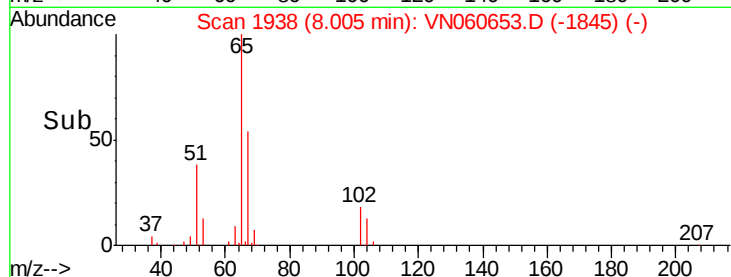
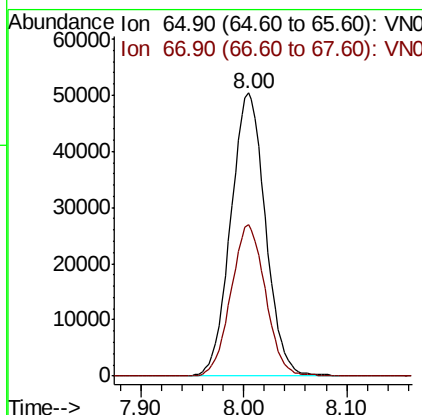
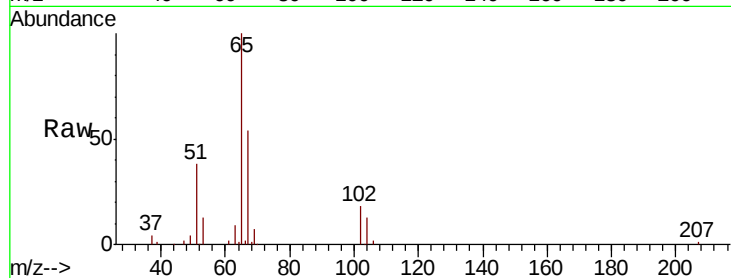




#33
 1,2-Dichloroethane-d4
 Concen: 47.521 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060653.D
 Acq: 20 Mar 2020 15:25

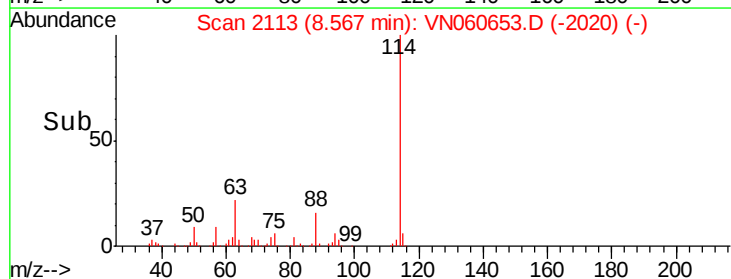
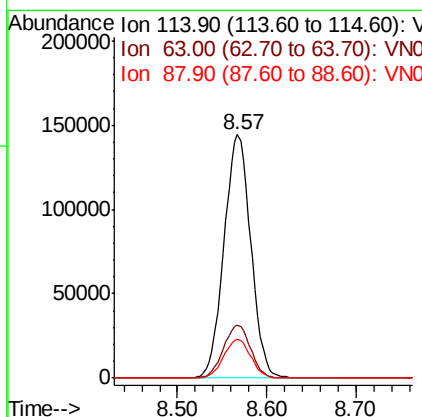
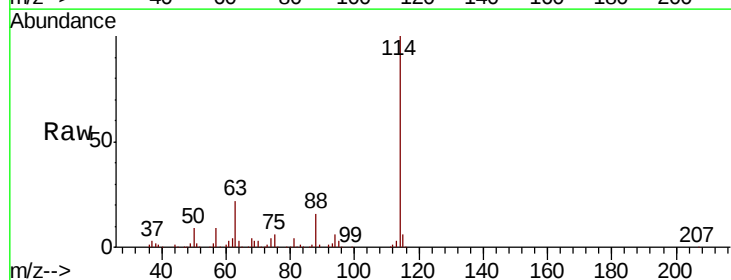
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 65 Resp: 118001
 Ion Ratio Lower Upper
 65 100
 67 53.2 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: VN060653.D
 Acq: 20 Mar 2020 15:25

Tgt Ion: 114 Resp: 300433
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.8
 88 16.0 0.0 33.0

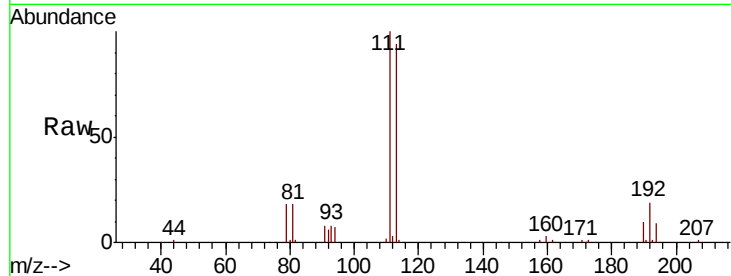




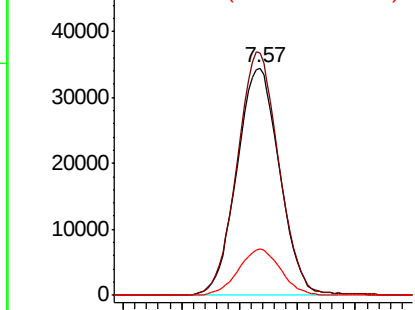
#35
 Dibromofluoromethane
 Concen: 48.647 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060653.D
 Acq: 20 Mar 2020 15:25

Instrument :
 MSVOA_N
 ClientSampleId :

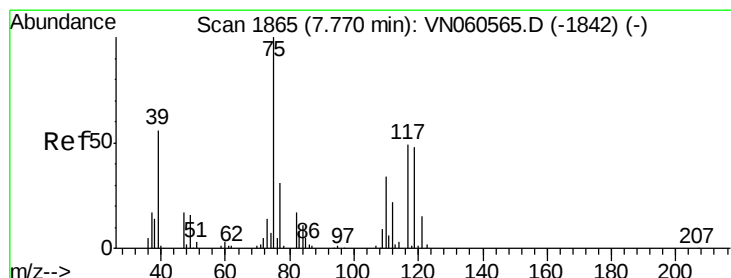
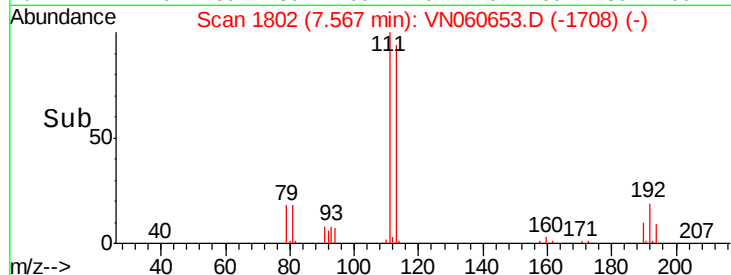
Tot Ion:113 Resp: 88374
 Ion Ratio Lower Upper
 113 100
 111 105.0 82.9 124.3
 192 20.0 15.8 23.8



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

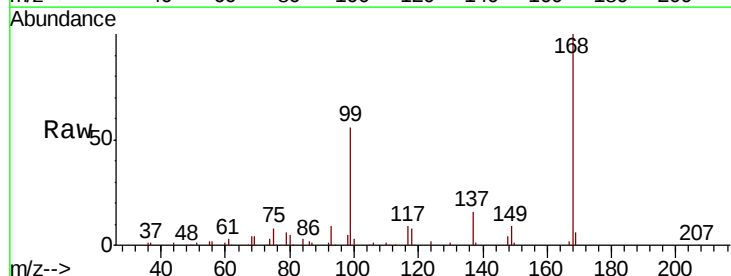


Time--> 7.45 7.50 7.55 7.60 7.65

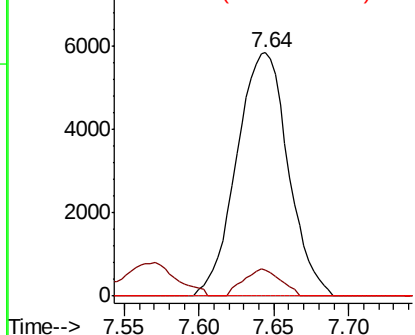


#36
 1,1-Dichloropropene
 Concen: 4.824 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060653.D
 Acq: 20 Mar 2020 15:25

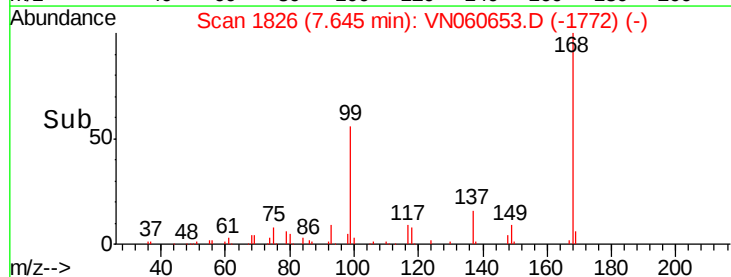
Tgt Ion: 75 Resp: 14034
 Ion Ratio Lower Upper
 75 100
 110 8.0 16.9 50.6#
 77 0.0 24.6 36.8#

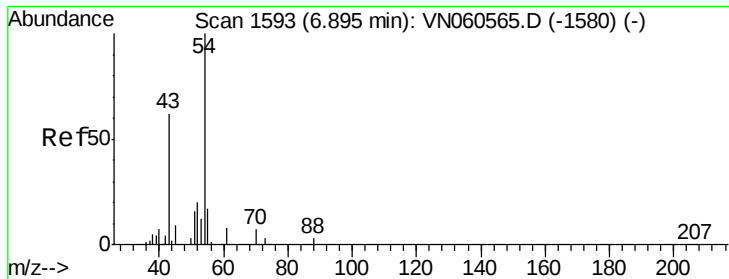


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0



Time--> 7.55 7.60 7.65 7.70

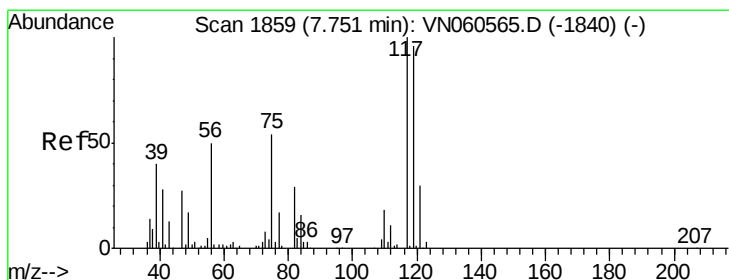
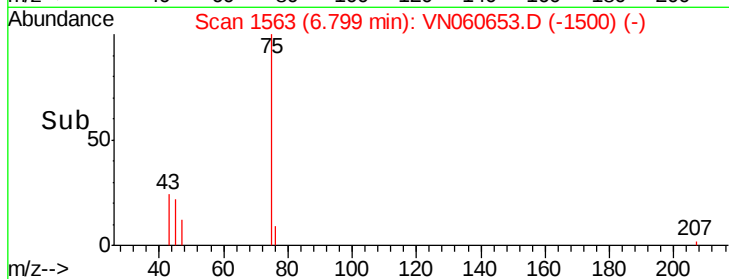
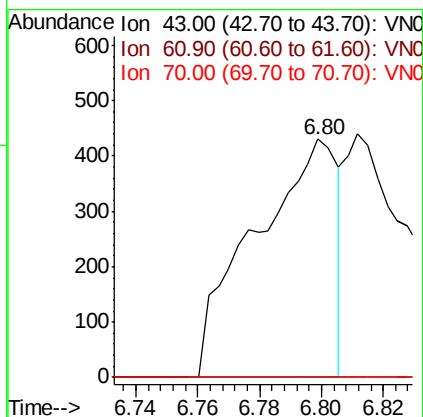
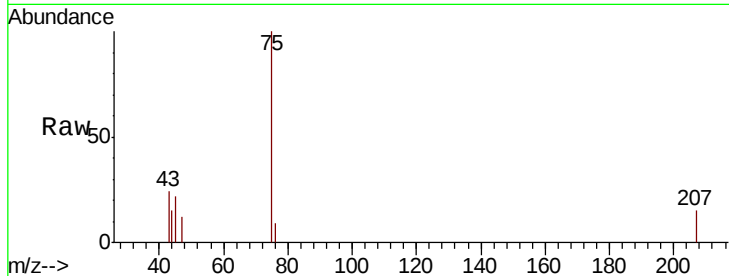




#37
Ethyl Acetate
Concen: 0.254 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VN060653.D
Acq: 20 Mar 2020 15:25

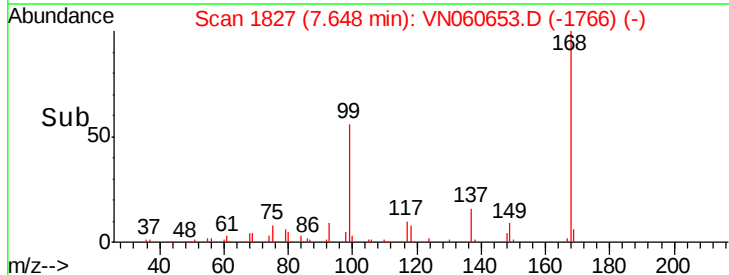
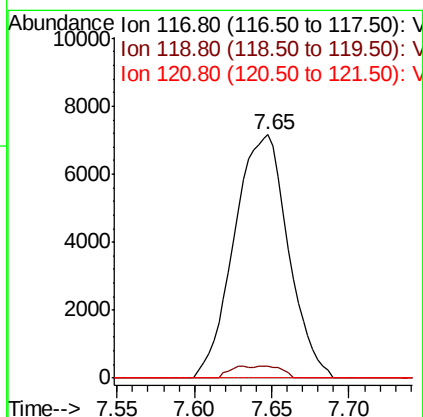
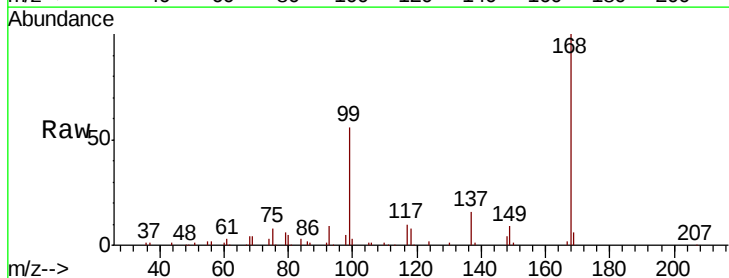
Instrument :
MSVOA_N
ClientSampleId :

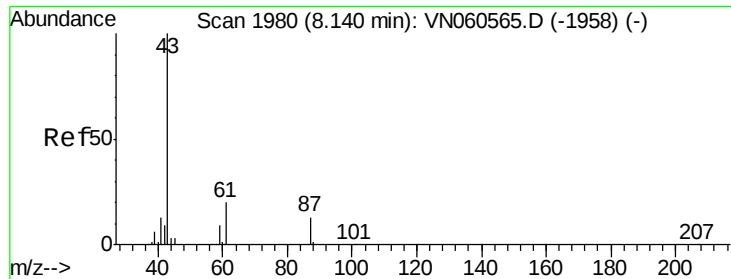
Tot Ion: 43 Resp: 799
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.662 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.10 min
Lab File: VN060653.D
Acq: 20 Mar 2020 15:25

Tgt Ion: 117 Resp: 17369
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 23.7 35.5#





#43

Isopropyl Acetate

Concen: 9.751 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060653.D

Acq: 20 Mar 2020 15:25

Instrument :

MSVOA_N

ClientSampled :

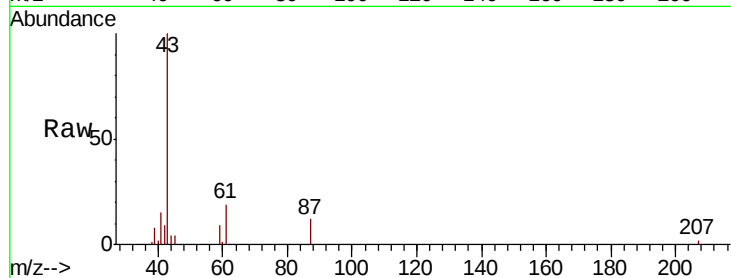
Tot Ion: 43 Resp: 50548

Ion Ratio Lower Upper

43 100

61 19.1 20.7 31.1#

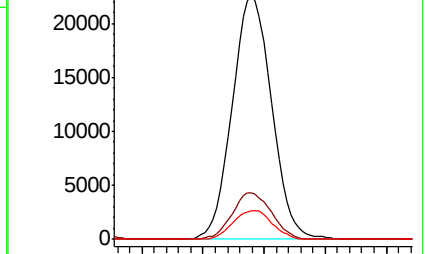
87 11.7 9.8 14.8



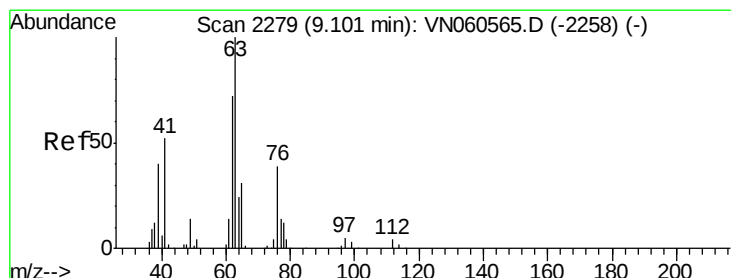
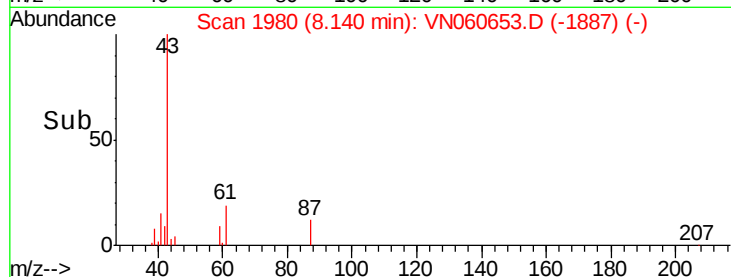
Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-1958) (-)

Ion 61.00 (60.70 to 61.70): VN060565.D (-1958) (-)

Ion 87.00 (86.70 to 87.70): VN060565.D (-1958) (-)



Time-->



#45

1,2-Dichloropropane

Concen: 0.397 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN060653.D

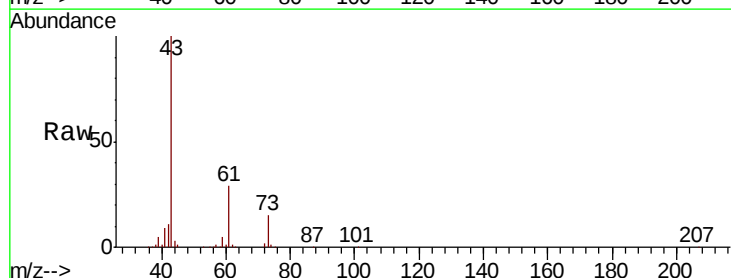
Acq: 20 Mar 2020 15:25

Tgt Ion: 63 Resp: 920

Ion Ratio Lower Upper

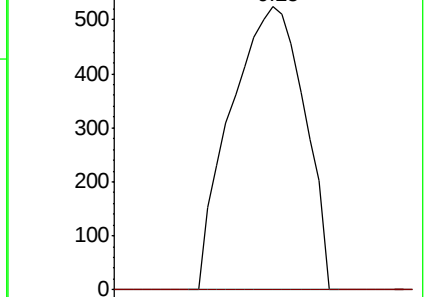
63 100

65 0.0 25.4 38.0#

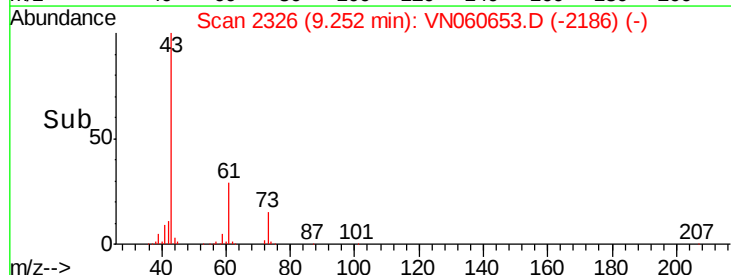


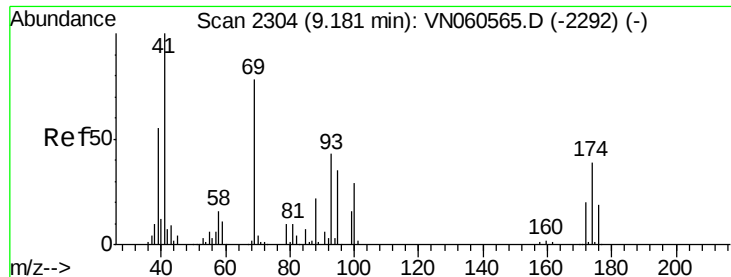
Abundance Ion 62.90 (62.60 to 63.60): VN060565.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN060565.D (-2258) (-)



Time-->

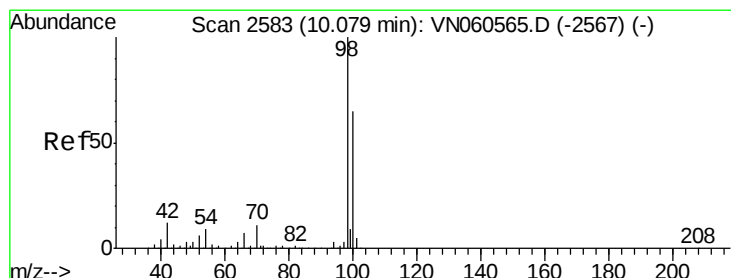
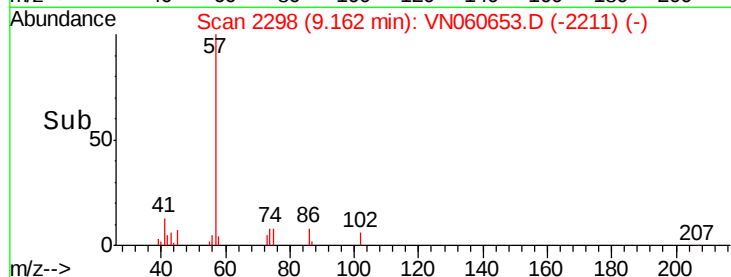
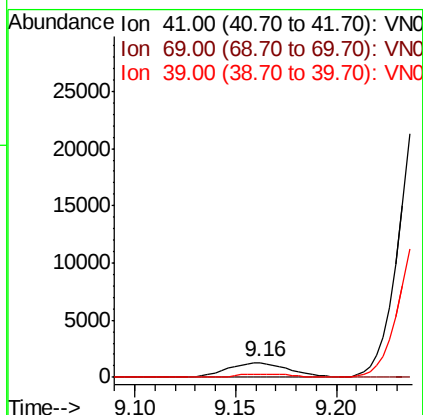
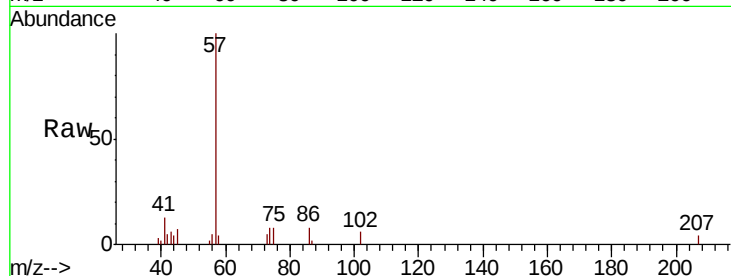




#48
Methvl methacrylate
Concen: 1.153 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN060653.D
Acq: 20 Mar 2020 15:25

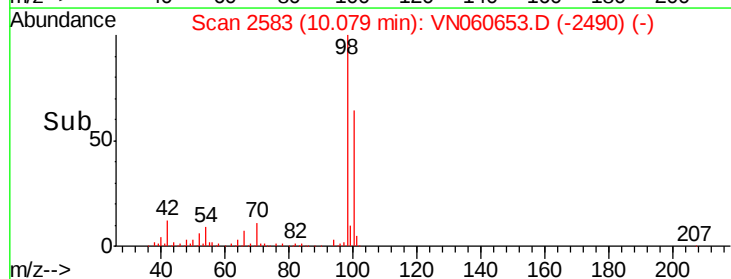
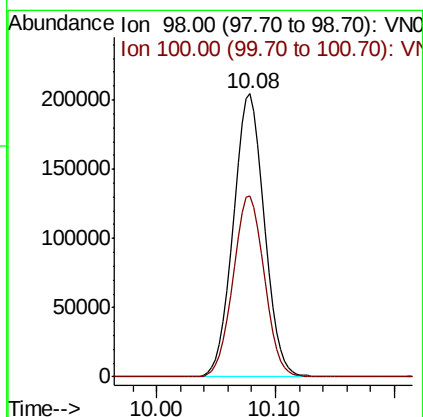
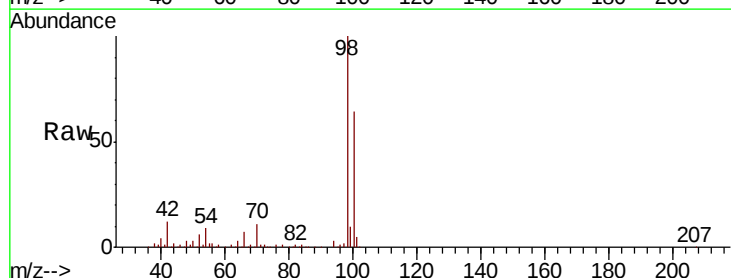
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 2661
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#



#50
Toluene-d8
Concen: 49.770 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060653.D
Acq: 20 Mar 2020 15:25

Tgt Ion: 98 Resp: 369303
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 1.130 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060653.D

Acq: 20 Mar 2020 15:25

Instrument :

MSVOA_N

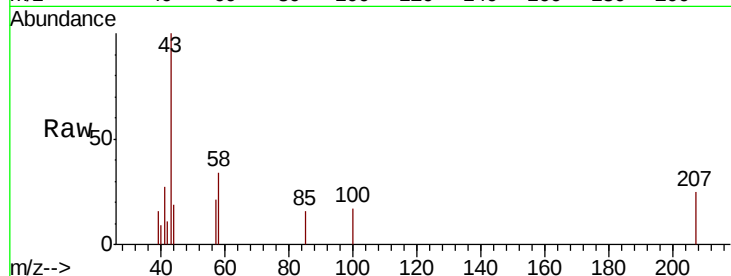
ClientSampled :

Tot Ion: 43 Resp: 3333

Ion Ratio Lower Upper

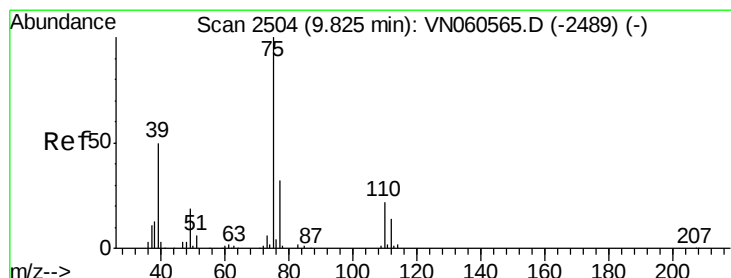
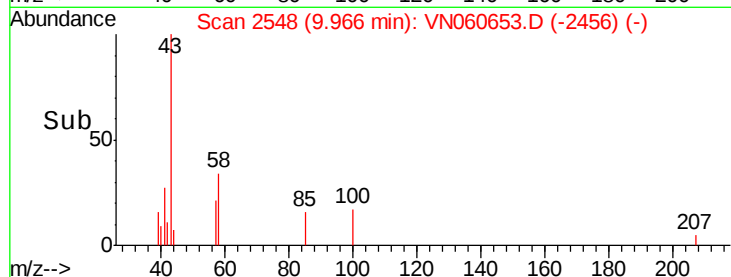
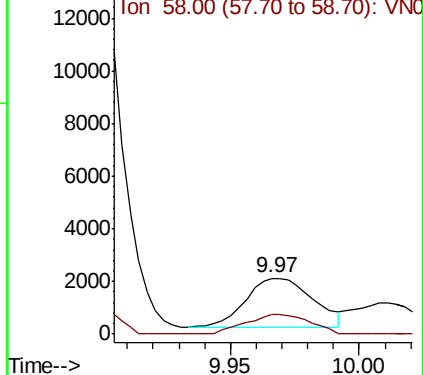
43 100

58 38.3 30.8 46.2



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: 5.882 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN060653.D

Acq: 20 Mar 2020 15:25

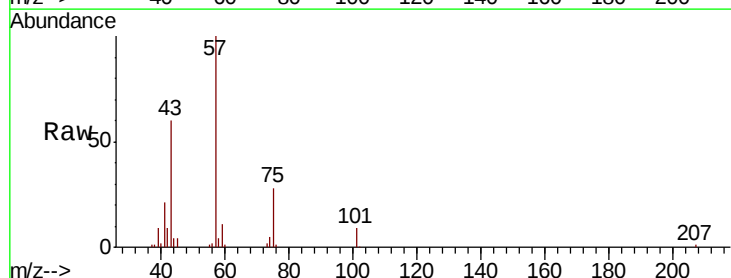
Tgt Ion: 75 Resp: 21578

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

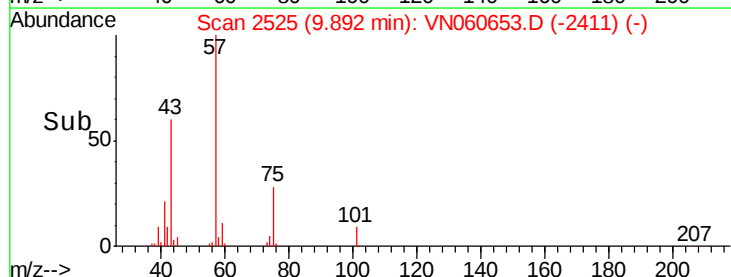
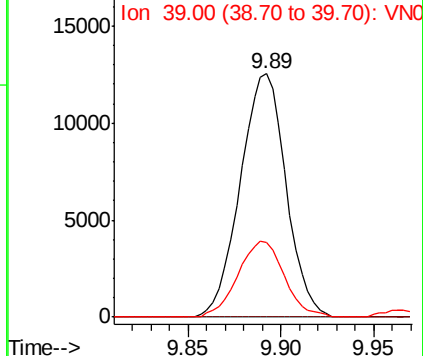
39 30.6 40.2 60.4#



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: 1.055 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.05 min

Lab File: VN060653.D

Acq: 20 Mar 2020 15:25

Instrument :

MSVOA_N

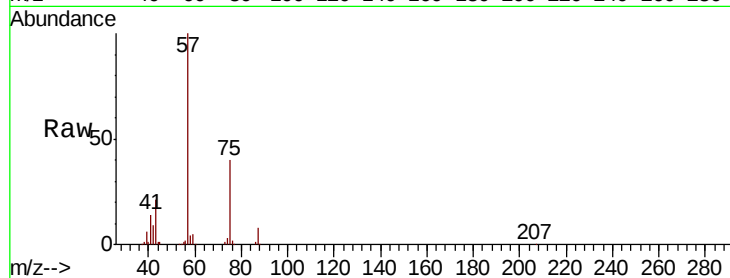
ClientSampled :

Tot Ion: 76 Resp: 3734

Ion Ratio Lower Upper

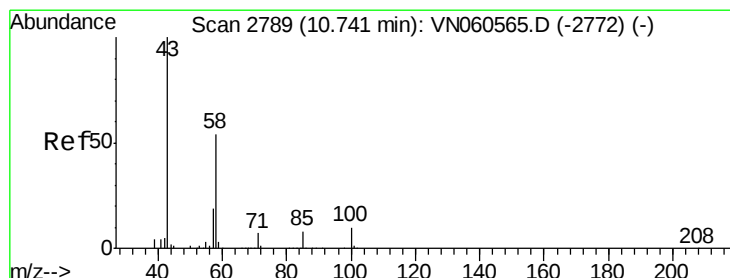
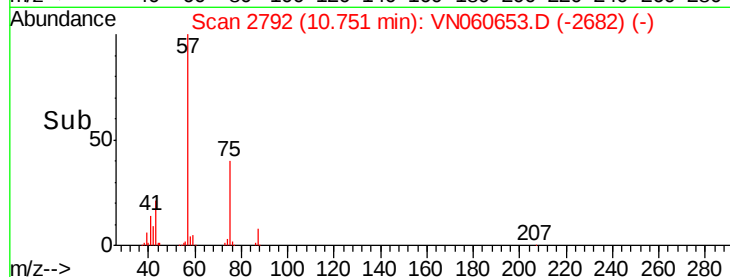
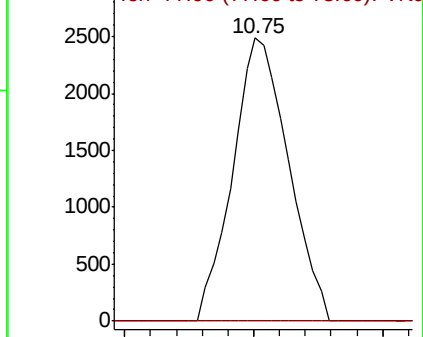
76 100

78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 25.930 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060653.D

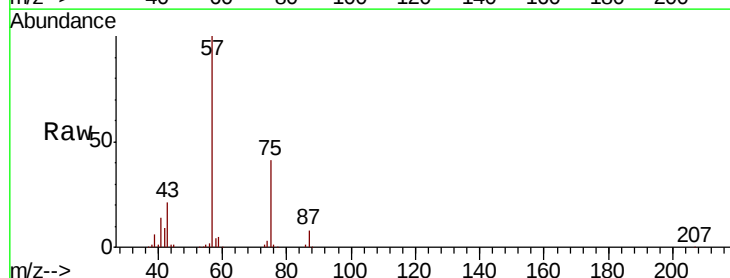
Acq: 20 Mar 2020 15:25

Tgt Ion: 43 Resp: 55101

Ion Ratio Lower Upper

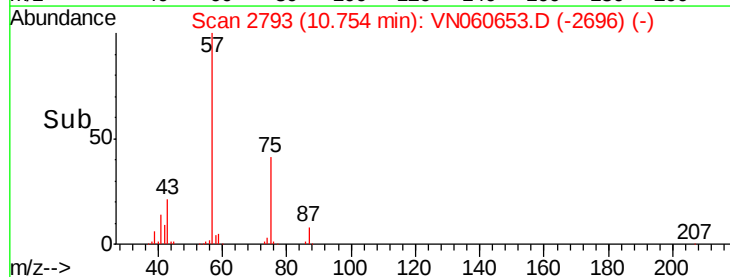
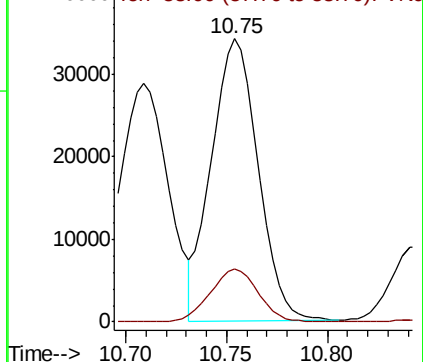
43 100

58 19.2 26.7 80.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 49.311 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060653.D

Acq: 20 Mar 2020 15:25

Instrument :

MSVOA_N

ClientSampled :

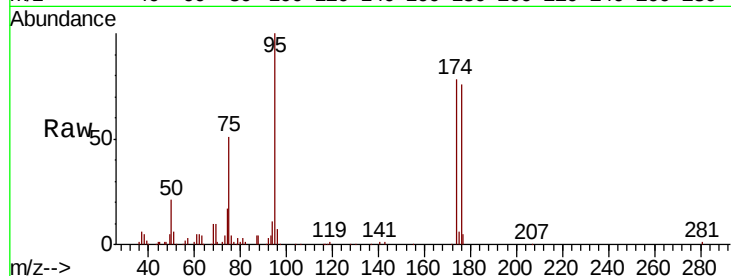
Tot Ion: 95 Resp: 134096

Ion Ratio Lower Upper

95 100

174 78.5 0.0 157.6

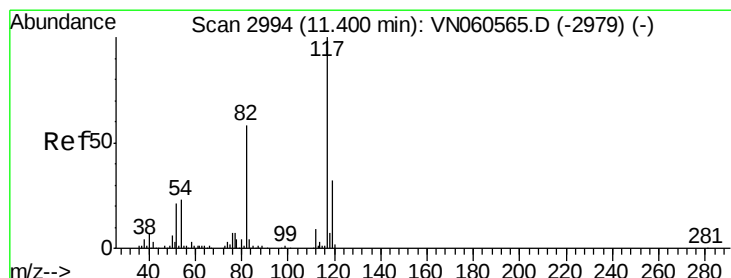
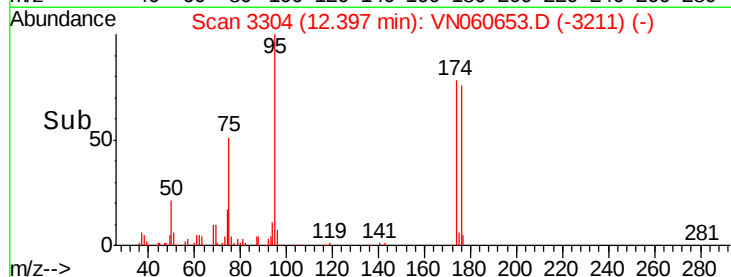
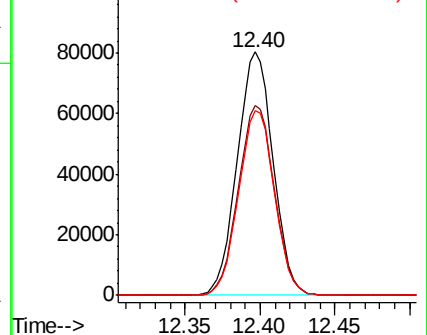
176 76.2 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060565.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060565.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060565.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060653.D

Acq: 20 Mar 2020 15:25

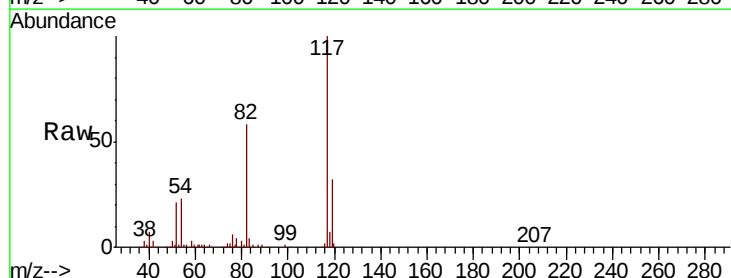
Tgt Ion: 117 Resp: 275869

Ion Ratio Lower Upper

117 100

82 57.9 46.7 70.1

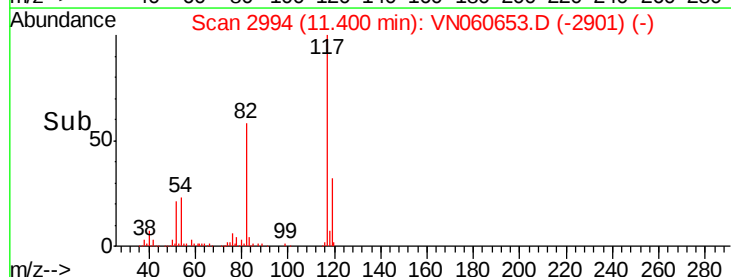
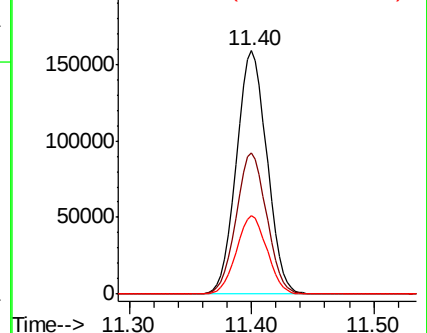
119 32.2 25.5 38.3

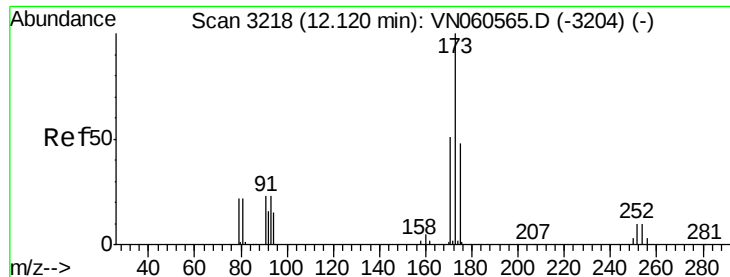


Abundance Ion 116.90 (116.60 to 117.60): VN060565.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060565.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060565.D (-2979) (-)





#71

Bromoform

Concen: 1.790 ug/l

RT: 12.39 min Scan# 3301

Delta R.T. 0.27 min

Lab File: VN060653.D

Acq: 20 Mar 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

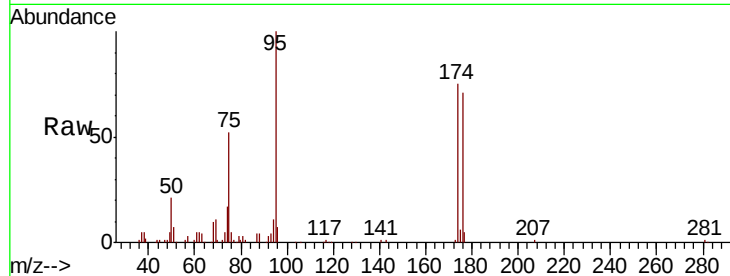
Tot Ion:173 Resp: 187

Ion Ratio Lower Upper

173 100

175 3568.4 24.1 72.4#

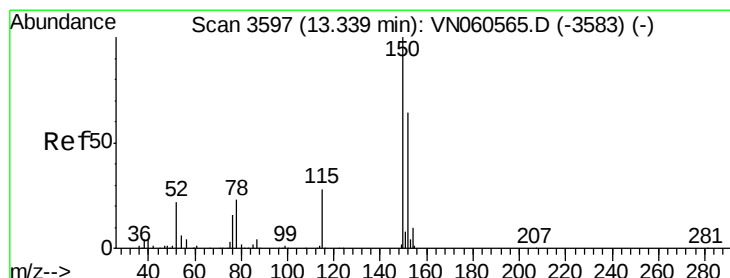
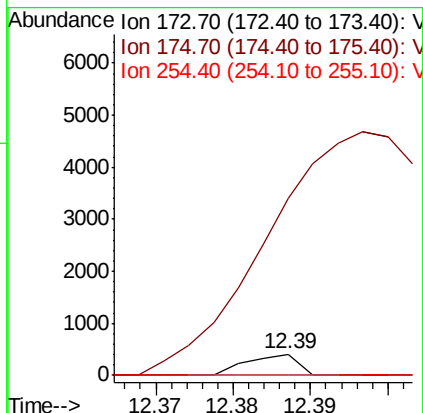
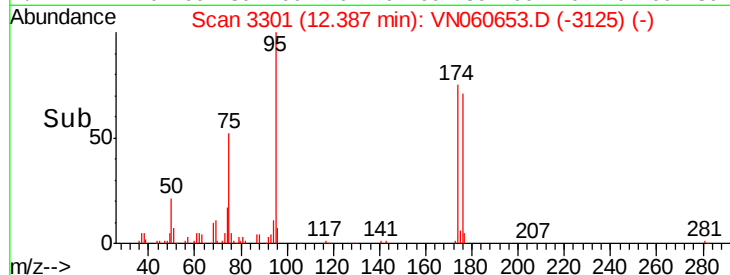
254 0.0 0.0 0.0



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: VN060653.D

Acq: 20 Mar 2020 15:25

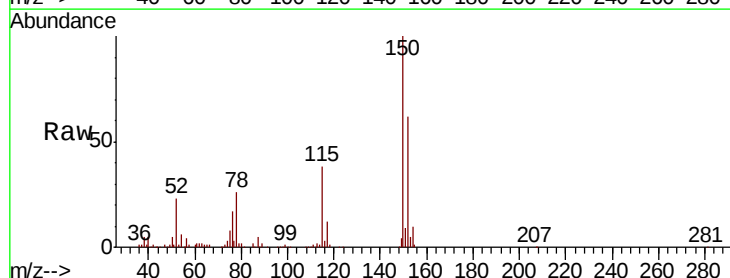
Tgt Ion:152 Resp: 123597

Ion Ratio Lower Upper

152 100

115 60.3 30.2 90.6

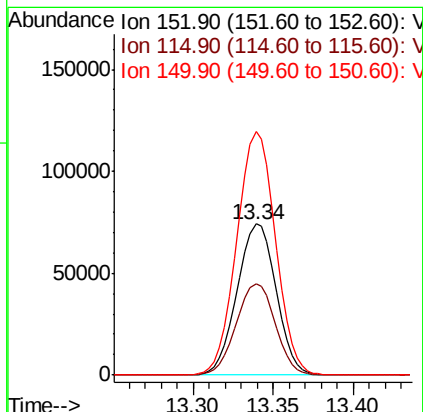
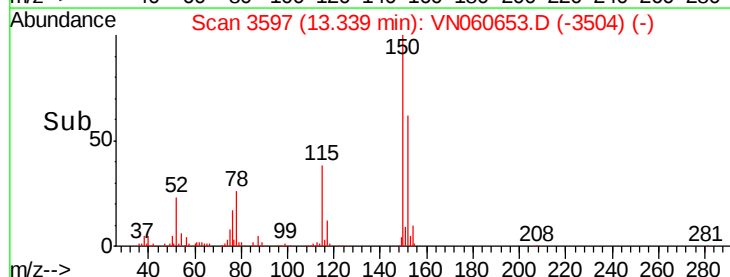
150 159.2 0.0 350.2

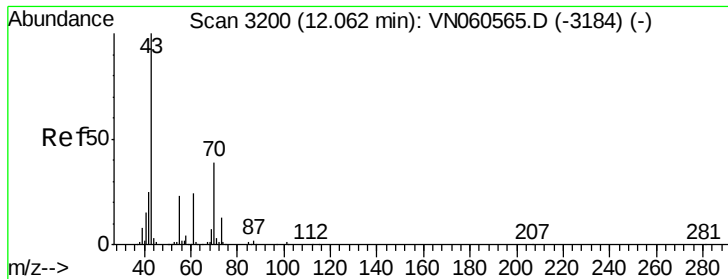


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.601 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060653.D

Acq: 20 Mar 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 2577

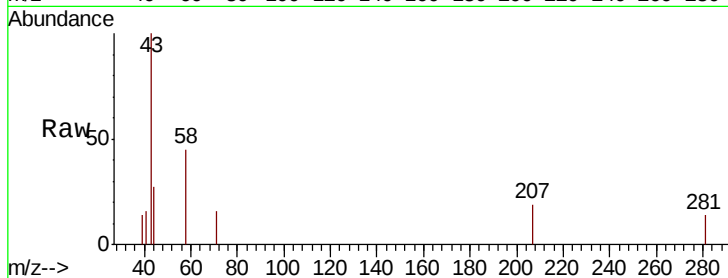
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

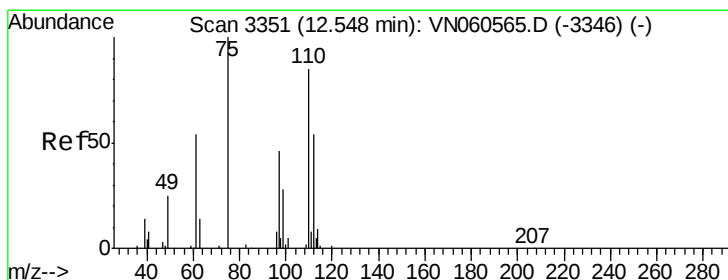
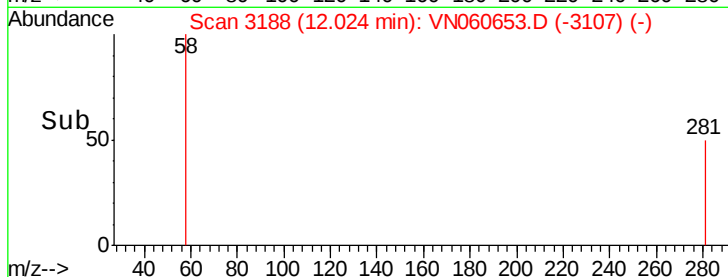
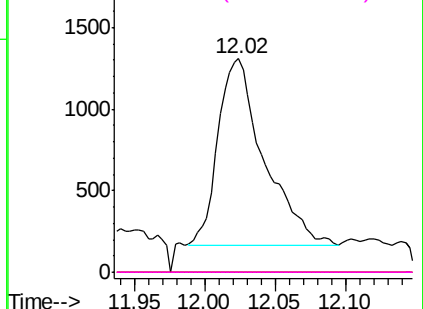


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 25.791 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060653.D

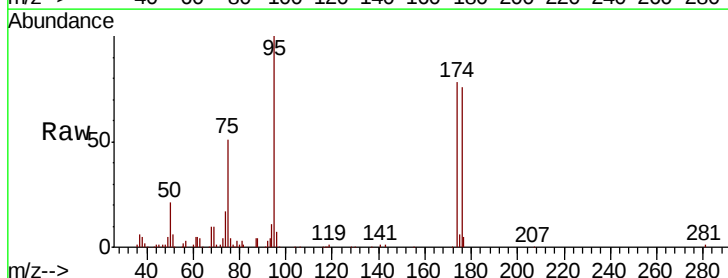
Acq: 20 Mar 2020 15:25

Tgt Ion: 75 Resp: 68783

Ion Ratio Lower Upper

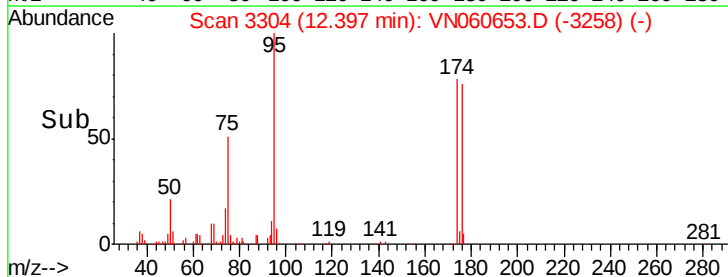
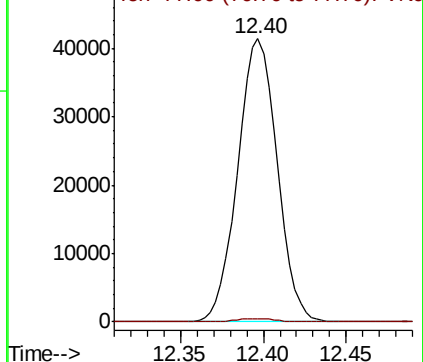
75 100

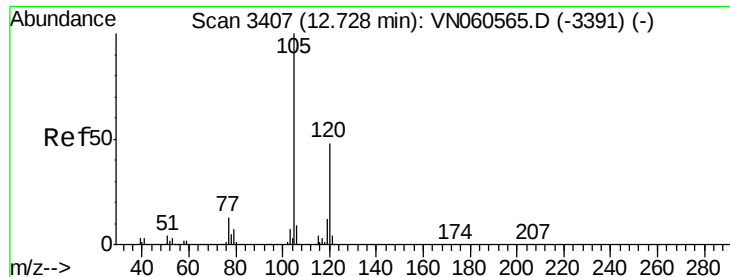
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#80

1,3,5-Trimethylbenzene

Concen: 0.378 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060653.D

Acq: 20 Mar 2020 15:25

Instrument :

MSVOA_N

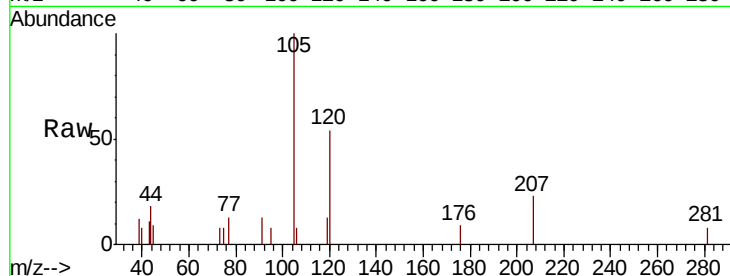
ClientSampleId :

Tot Ion:105 Resp: 2977

Ion Ratio Lower Upper

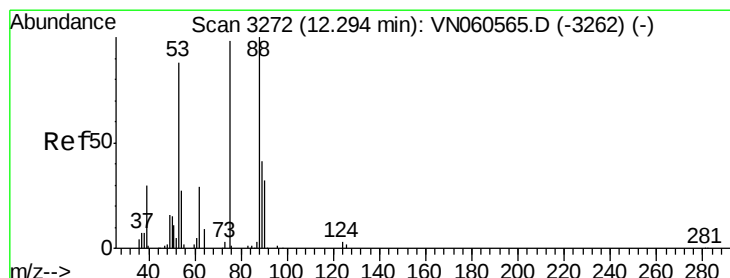
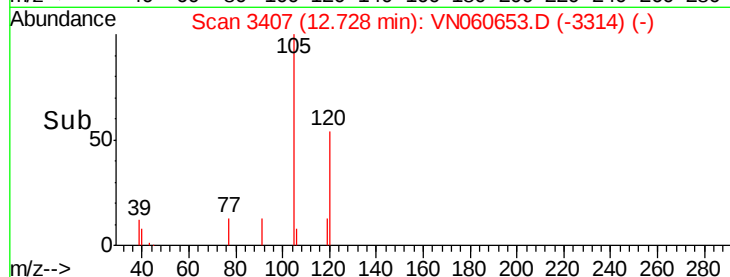
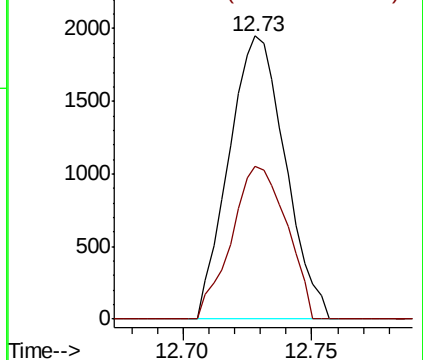
105 100

120 52.8 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 66.238 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060653.D

Acq: 20 Mar 2020 15:25

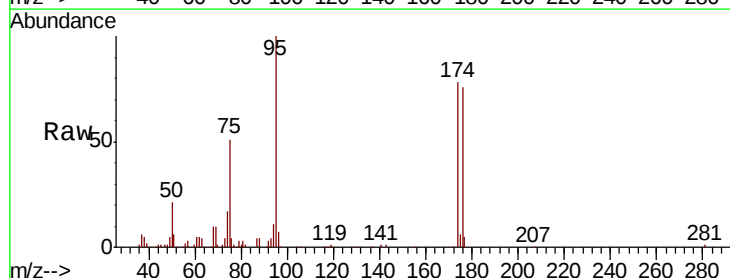
Tgt Ion: 75 Resp: 68783

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#



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

