

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040820\
 Data File : VN060900.D
 Acq On : 8 Apr 2020 14:54
 Operator : JC/MD
 Sample : PB128091ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 09 08:27:22 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	192393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	320276	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	301250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	132657	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	125160	47.39	ug/l	0.00
Spiked Amount						
			Recovery	=	94.78%	
35) Dibromofluoromethane	7.56	113	96123	49.63	ug/l	0.00
Spiked Amount						
			Recovery	=	99.26%	
50) Toluene-d8	10.08	98	399040	50.45	ug/l	0.00
Spiked Amount						
			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.40	95	146796	50.64	ug/l	0.00
Spiked Amount						
			Recovery	=	101.28%	

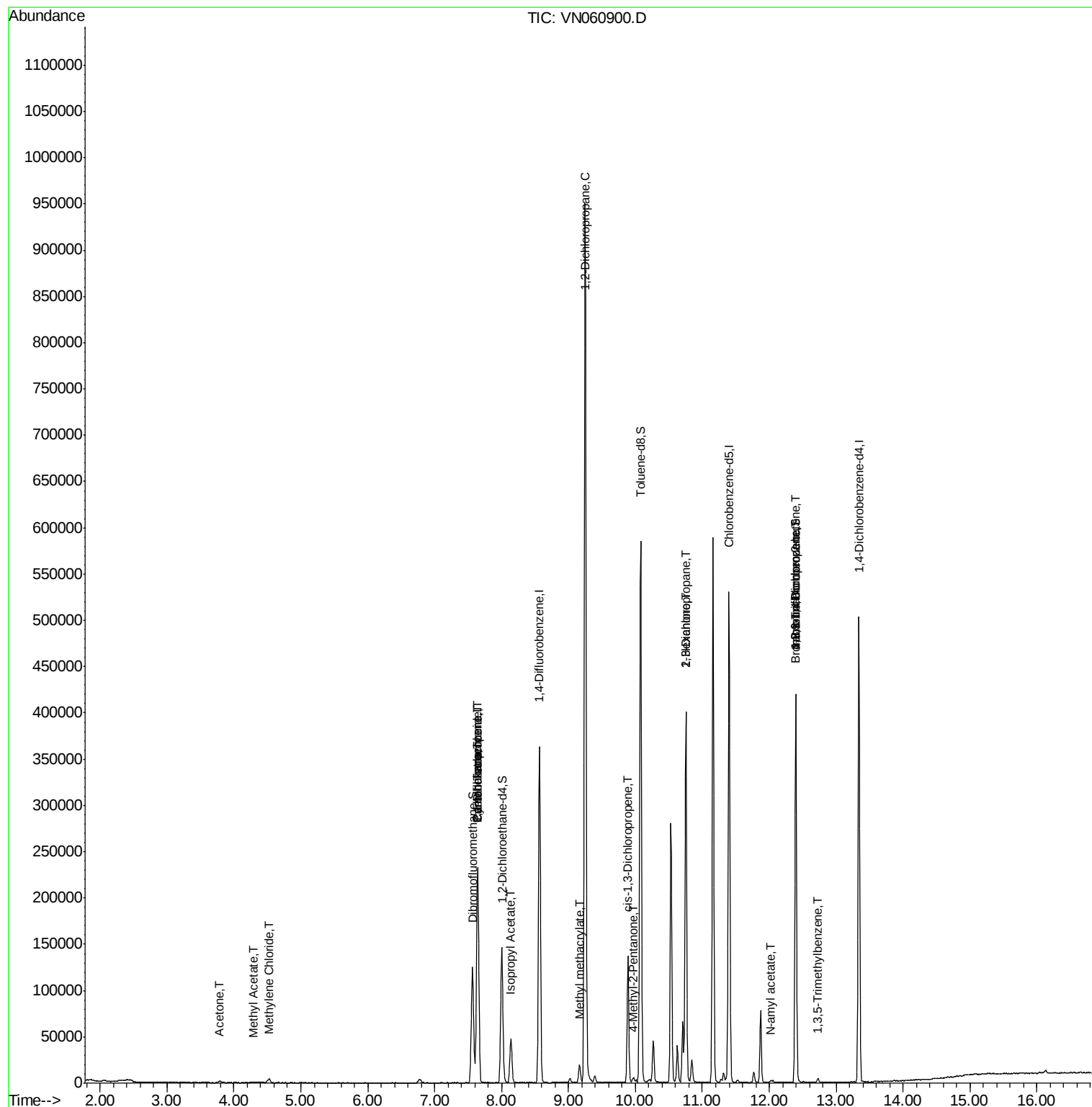
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	3543	3.787	ug/l	90
18) Methyl Acetate	4.29	43	747	0.284	ug/l #	54
20) Methylene Chloride	4.53	84	3254	1.414	ug/l	96
31) Cyclohexane	7.64	56	4100	0.964	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15078	4.862	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18581	6.685	ug/l #	16
43) Isopropyl Acetate	8.14	43	57535	10.411	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1083	0.438	ug/l #	43
48) Methyl methacrylate	9.16	41	2895	1.177	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4418	1.405	ug/l	91
54) cis-1,3-Dichloropropene	9.89	75	24012	6.140	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	4028	1.067	ug/l #	42
59) 2-Hexanone	10.75	43	60611	26.756	ug/l #	51
71) Bromoform	12.38	173	140	1.756	ug/l #	1
74) N-amyl acetate	12.02	43	2302	0.500	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	74202	25.922	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3240	0.384	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	74202	66.576	ug/l #	13

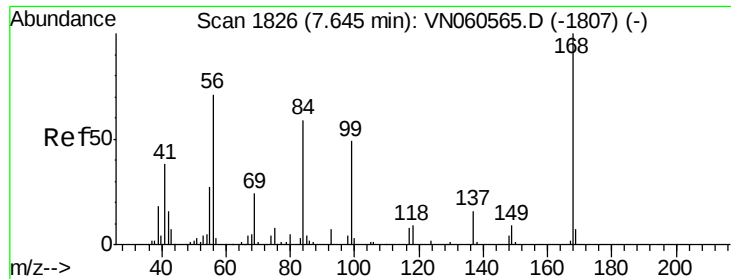
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060900.D

Acq: 8 Apr 2020 14:54

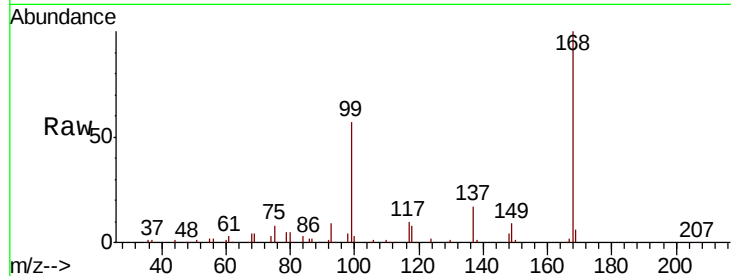
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 192393

Ion Ratio Lower Upper

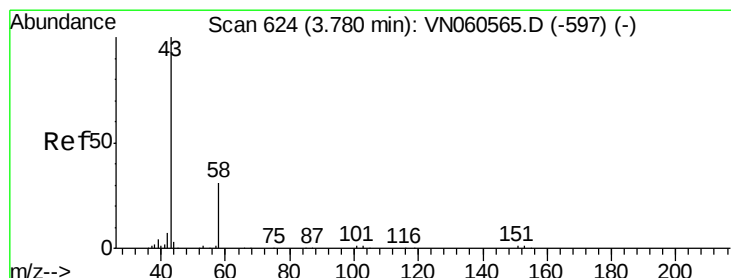
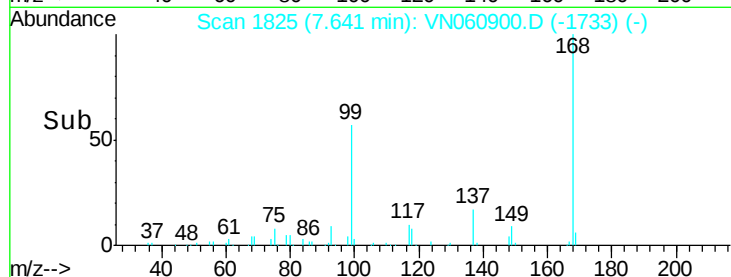
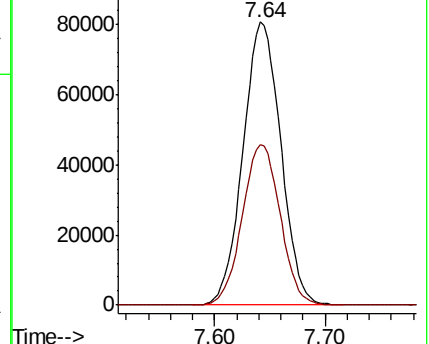
168 100

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



#16

Acetone

Concen: 3.787 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060900.D

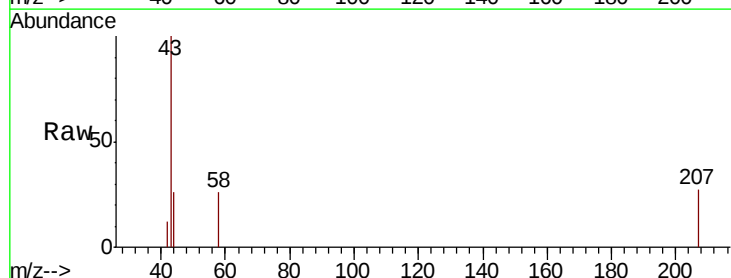
Acq: 8 Apr 2020 14:54

Tgt Ion: 43 Resp: 3543

Ion Ratio Lower Upper

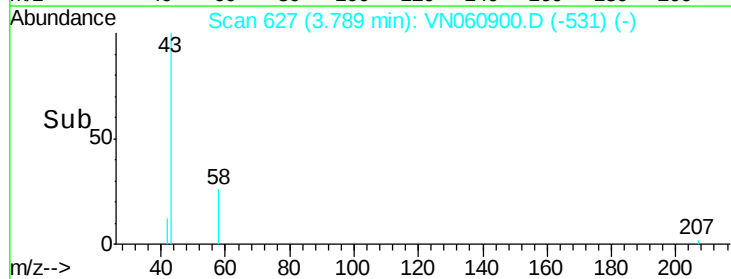
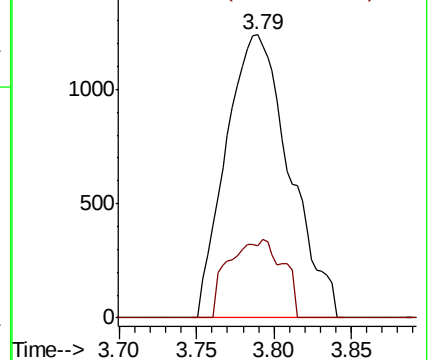
43 100

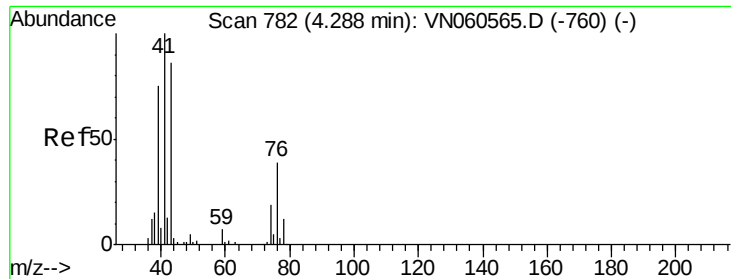
58 25.7 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

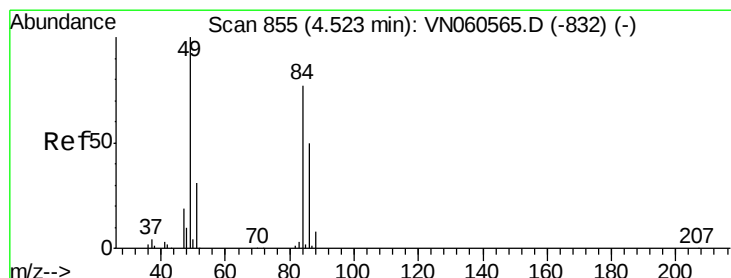
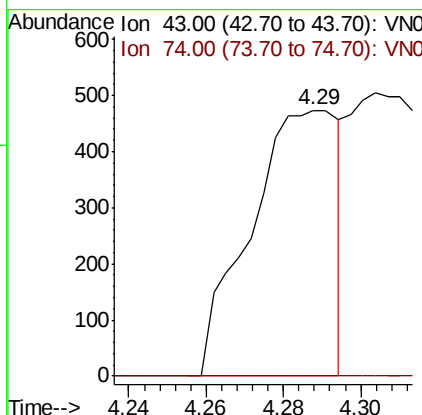
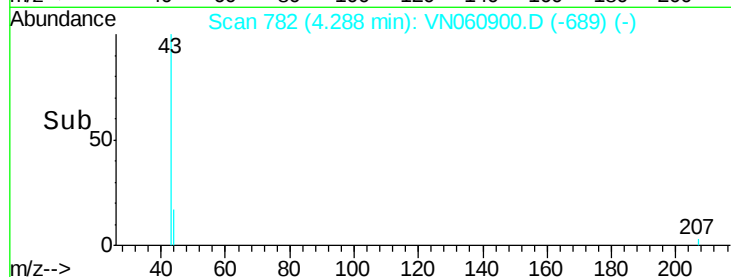
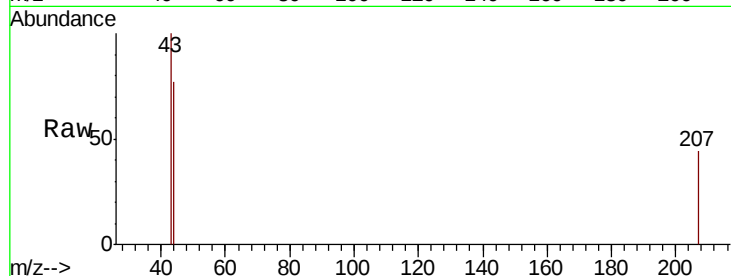




#18
Methyl Acetate
Concen: 0.284 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060900.D
Acq: 8 Apr 2020 14:54

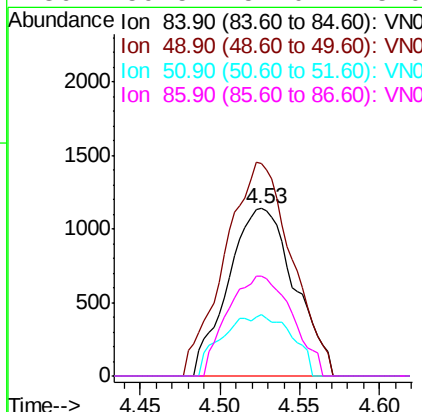
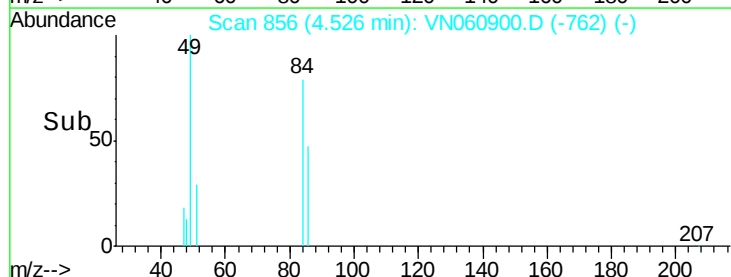
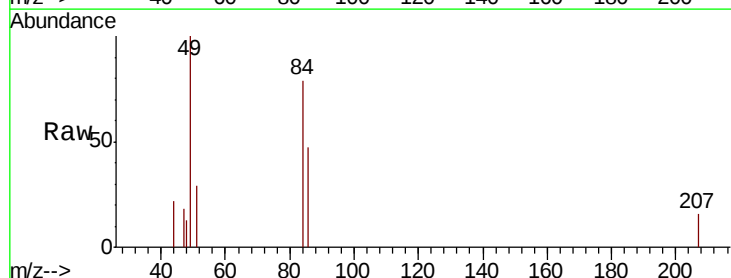
Instrument :
MSVOA_N
ClientSampleId :

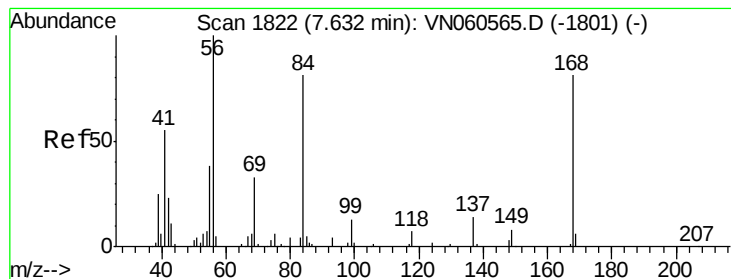
Tot Ion: 43 Resp: 747
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.414 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060900.D
Acq: 8 Apr 2020 14:54

Tgt Ion: 84 Resp: 3254
Ion Ratio Lower Upper
84 100
49 126.7 103.3 154.9
51 36.4 31.6 47.4
86 59.5 52.0 78.0





#31

Cyclohexane

Concen: 0.964 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN060900.D

Acq: 8 Apr 2020 14:54

Instrument :
MSVOA_N
ClientSampled :

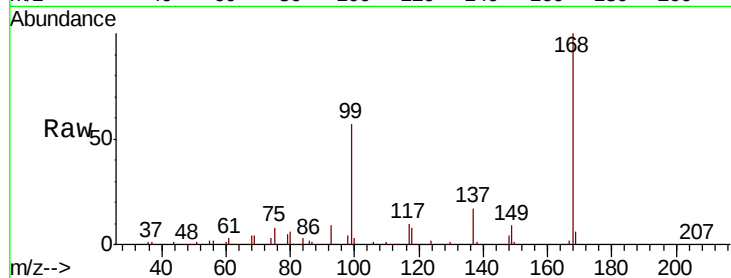
Tot Ion: 56 Resp: 4100

Ion Ratio Lower Upper

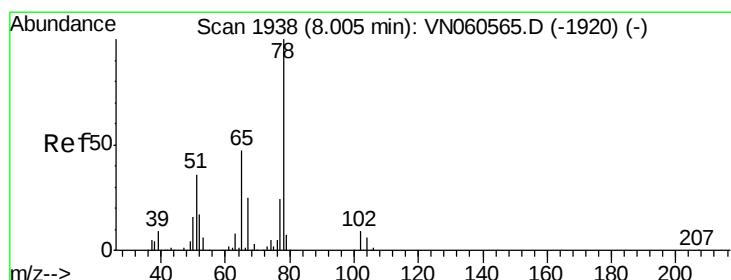
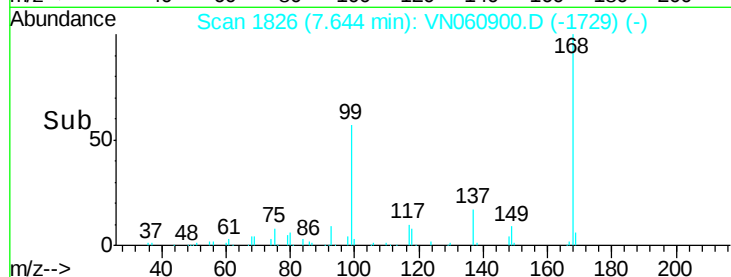
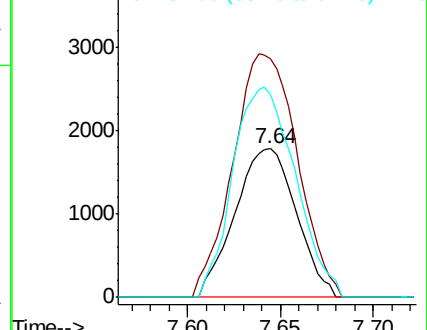
56 100

69 160.8 26.6 40.0#

84 136.3 64.3 96.5#



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: 47.389 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060900.D

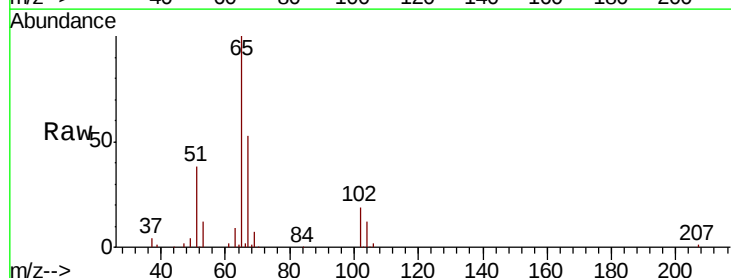
Acq: 8 Apr 2020 14:54

Tgt Ion: 65 Resp: 125160

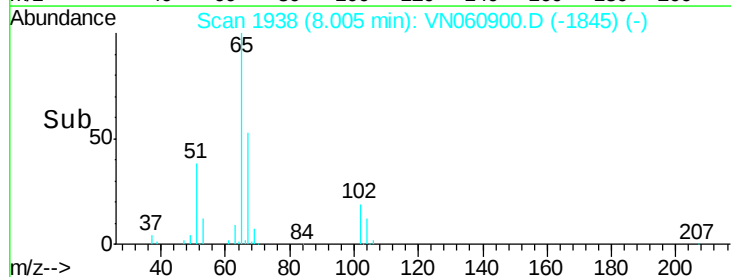
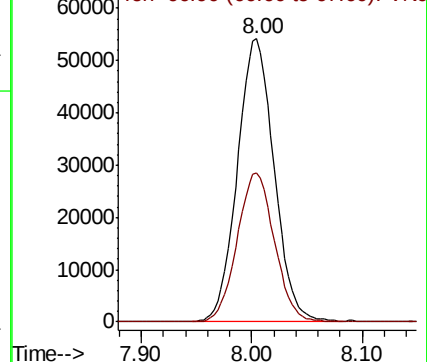
Ion Ratio Lower Upper

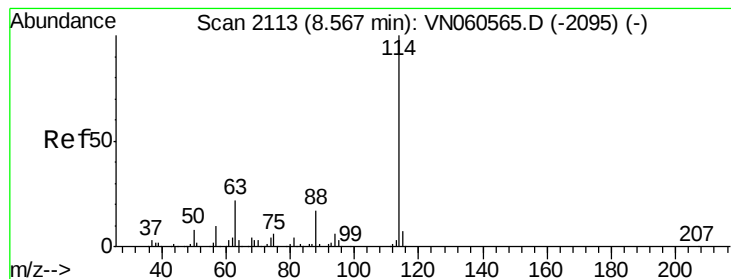
65 100

67 53.3 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060900.D

Acq: 8 Apr 2020 14:54

Instrument :

MSVOA_N

ClientSampleId :

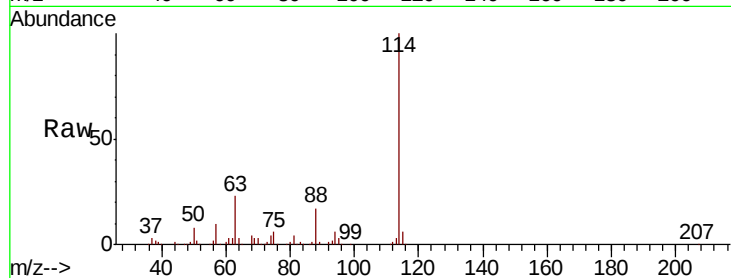
Tot Ion:114 Resp: 320276

Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.8

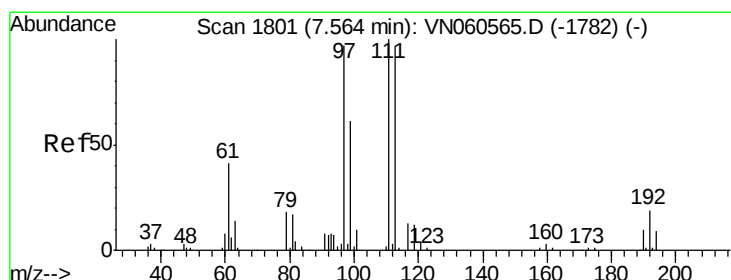
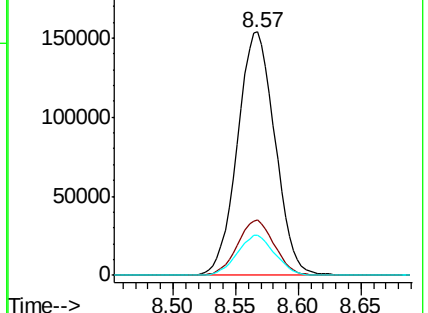
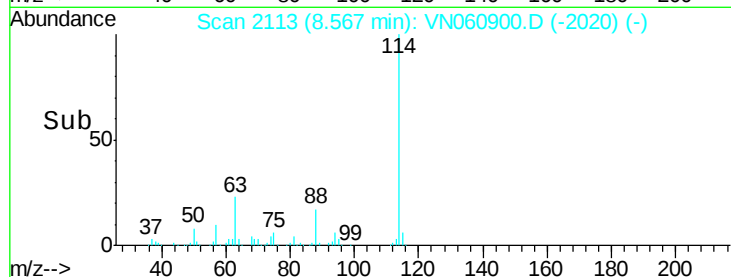
88 16.6 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 49.635 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060900.D

Acq: 8 Apr 2020 14:54

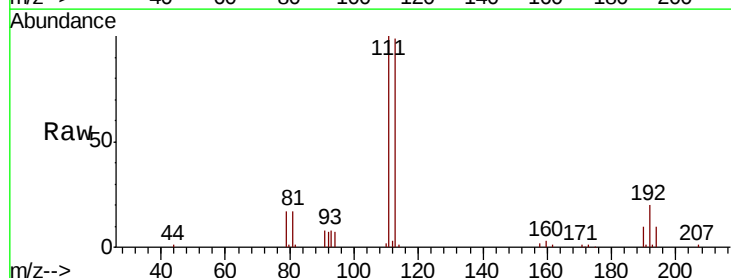
Tgt Ion:113 Resp: 96123

Ion Ratio Lower Upper

113 100

111 102.3 82.9 124.3

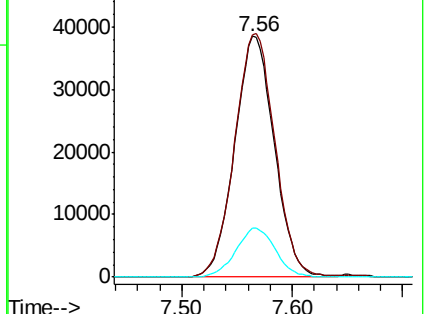
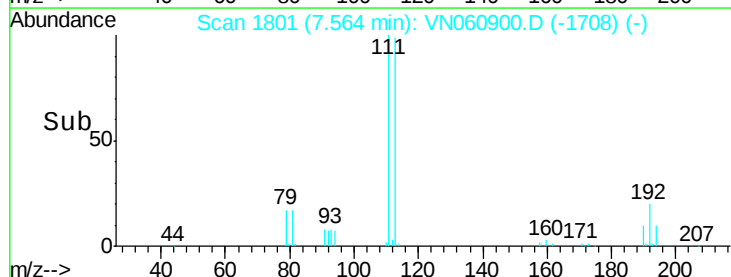
192 20.3 15.8 23.8

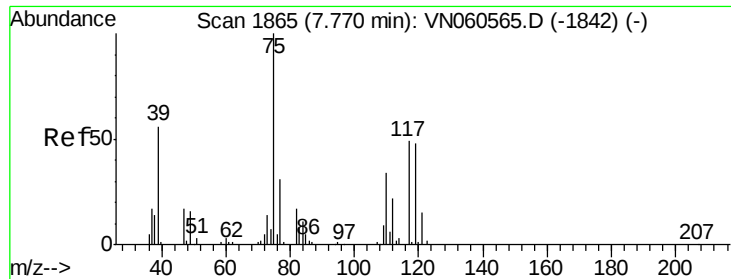


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

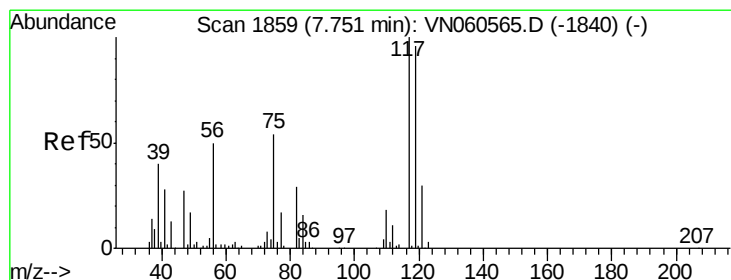
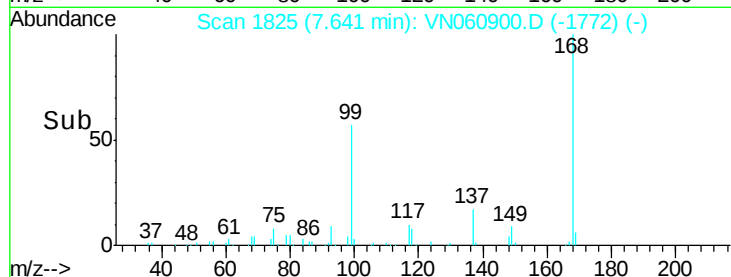
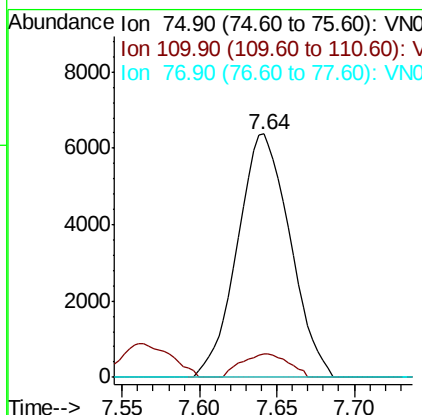
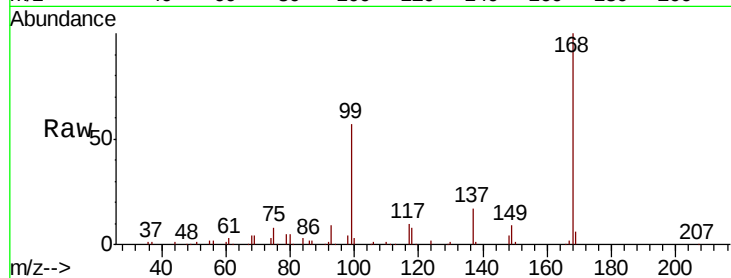




#36
 1,1-Dichloropropene
 Concen: 4.862 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060900.D
 Acq: 8 Apr 2020 14:54

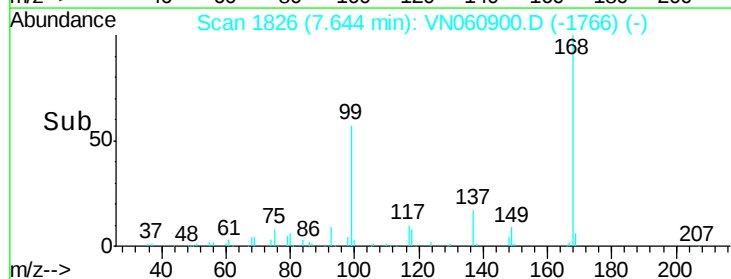
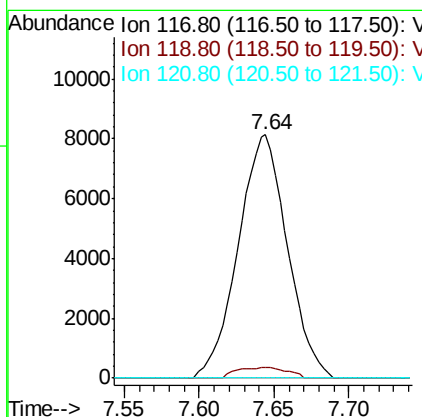
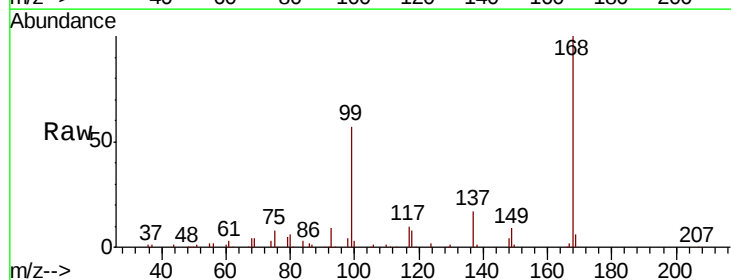
Instrument :
 MSVOA_N
 ClientSampled :

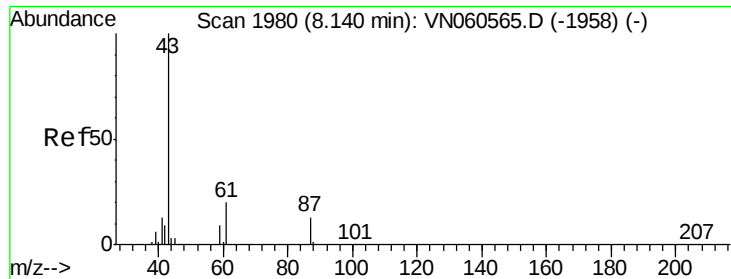
Tot Ion	75	Resp	15078
Ion Ratio	Lower	Upper	
75	100		
110	8.6	16.9	50.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.685 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN060900.D
 Acq: 8 Apr 2020 14:54

Tgt Ion	117	Resp	18581
Ion Ratio	Lower	Upper	
117	100		
119	4.4	76.2	114.2#
121	0.0	23.7	35.5#





#43

Isopropyl Acetate

Concen: 10.411 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060900.D

Acq: 8 Apr 2020 14:54

Instrument :

MSVOA_N

ClientSampleId :

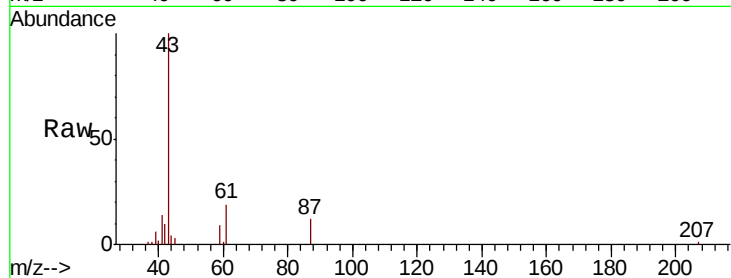
Tot Ion: 43 Resp: 57535

Ion Ratio Lower Upper

43 100

61 19.5 20.7 31.1#

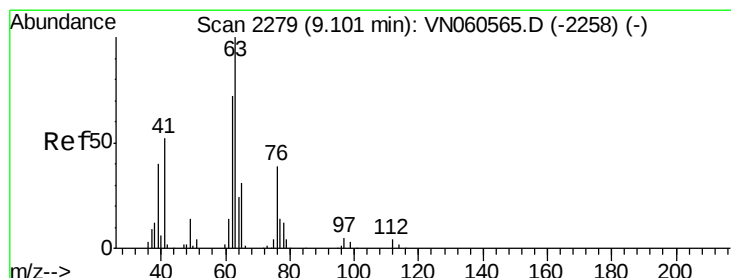
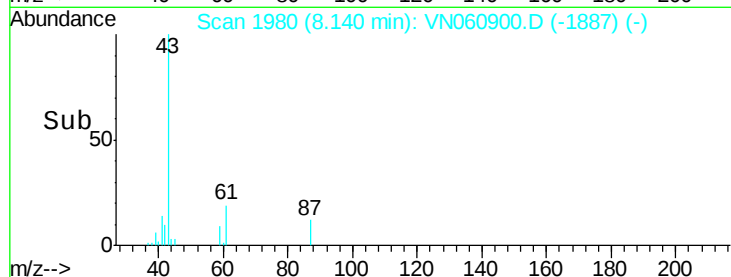
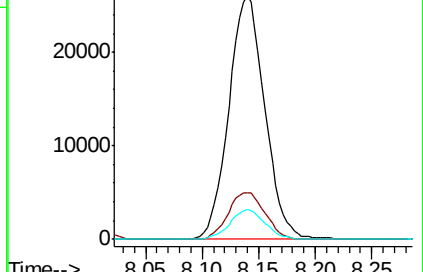
87 11.8 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN060900.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060900.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060900.D (-1887) (-)



#45

1,2-Dichloropropane

Concen: 0.438 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN060900.D

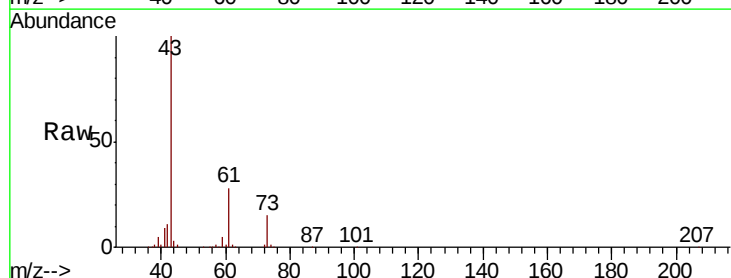
Acq: 8 Apr 2020 14:54

Tgt Ion: 63 Resp: 1083

Ion Ratio Lower Upper

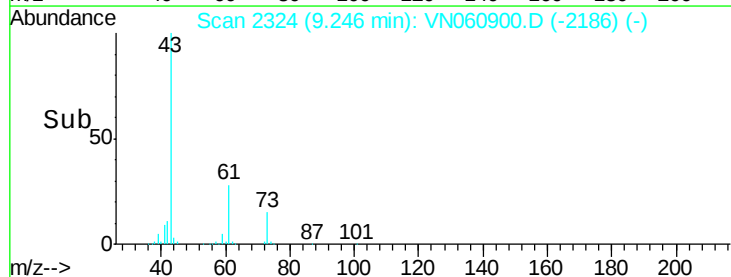
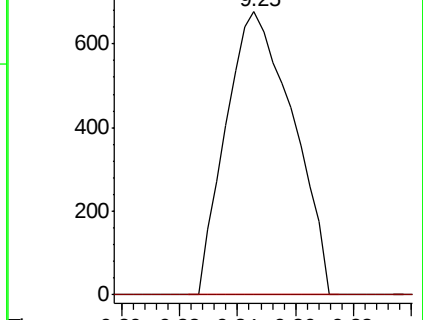
63 100

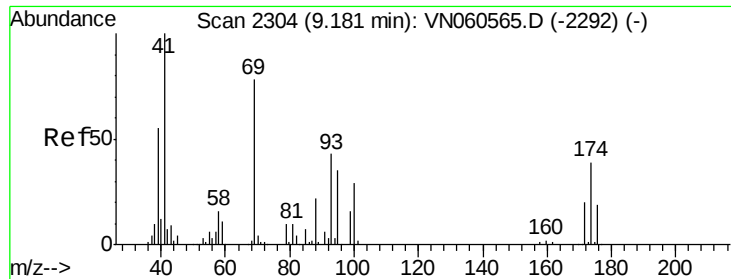
65 0.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VN060900.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060900.D (-2186) (-)

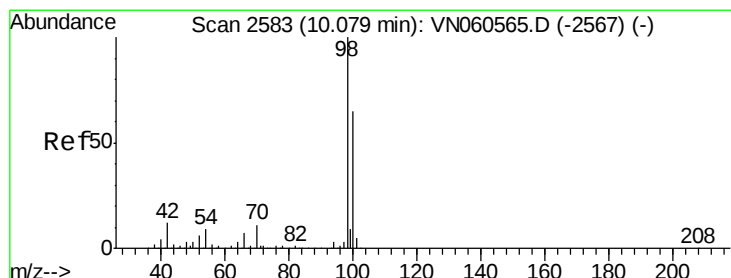
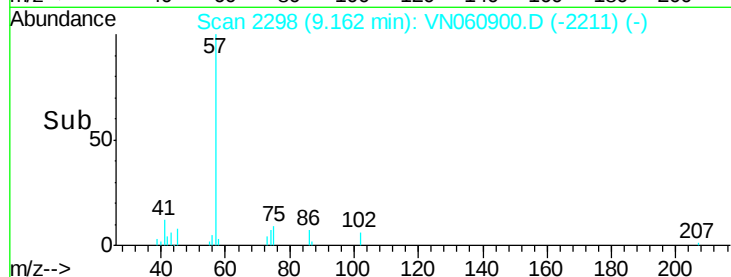
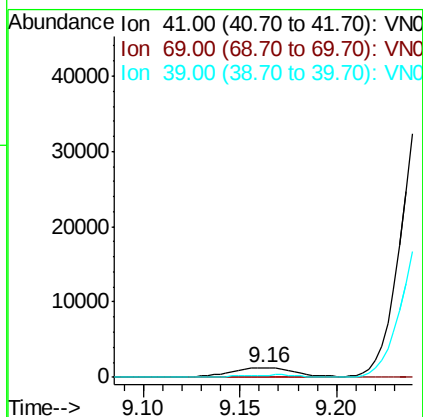
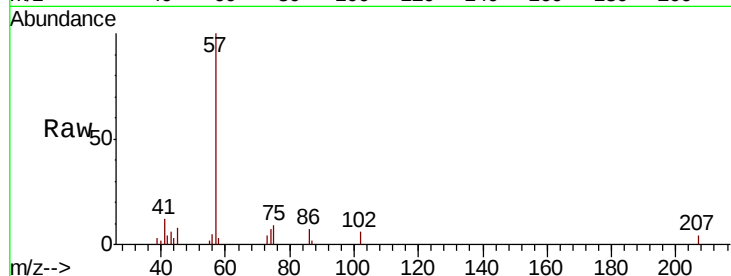




#48
Methvl methacrylate
Concen: 1.177 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN060900.D
Acq: 8 Apr 2020 14:54

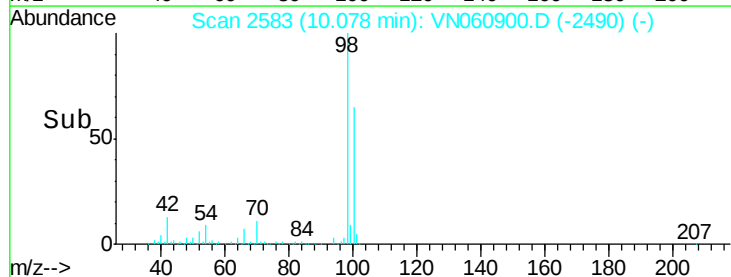
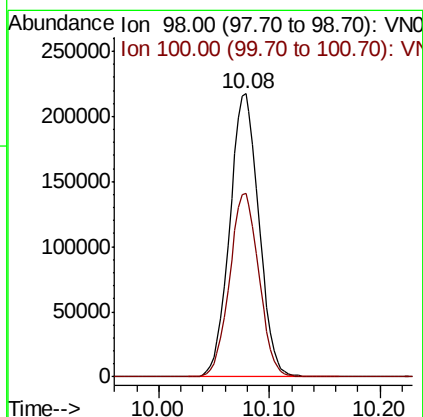
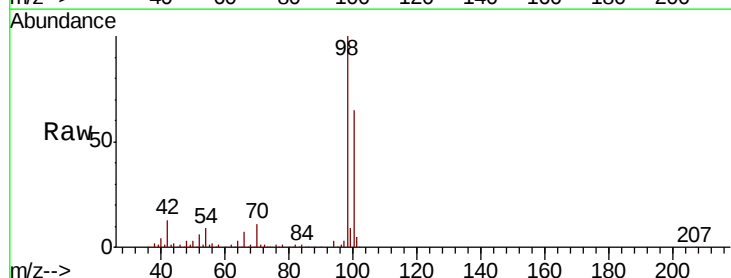
Instrument :
MSVOA_N
ClientSampleId :

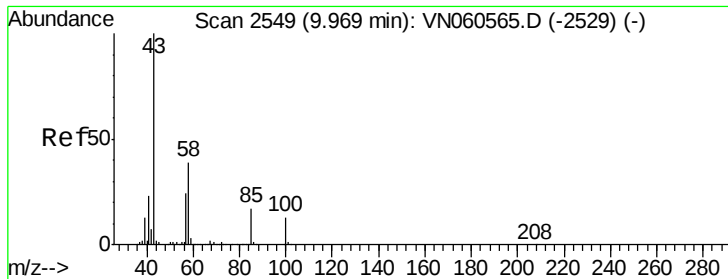
Tot Ion: 41 Resp: 2895
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#



#50
Toluene-d8
Concen: 50.446 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060900.D
Acq: 8 Apr 2020 14:54

Tgt Ion: 98 Resp: 399040
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 1.405 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060900.D

Acq: 8 Apr 2020 14:54

Instrument :

MSVOA_N

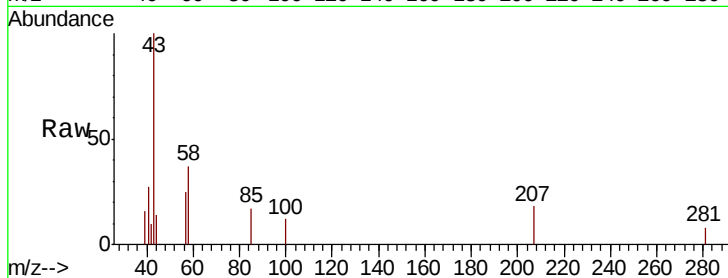
ClientSampled :

Tot Ion: 43 Resp: 4418

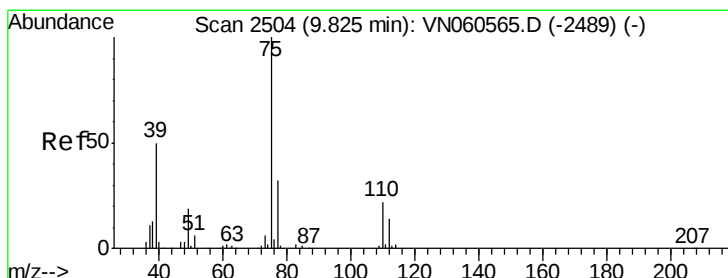
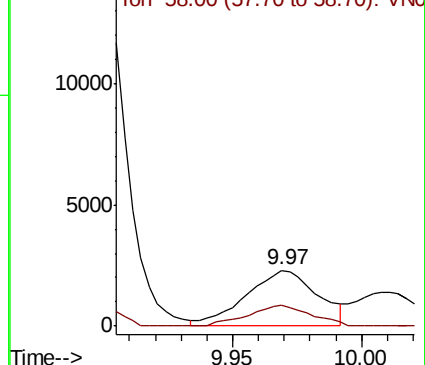
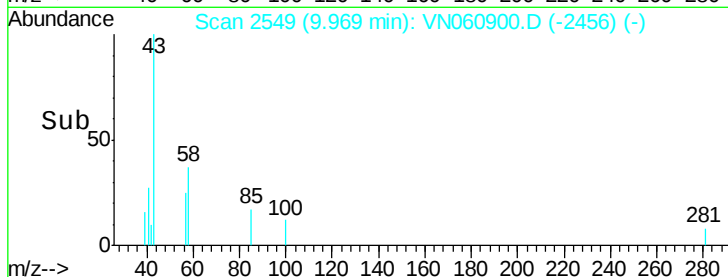
Ion Ratio Lower Upper

43 100

58 33.0 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060900.D (-2456) (-)



#54

cis-1,3-Dichloropropene

Concen: 6.140 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060900.D

Acq: 8 Apr 2020 14:54

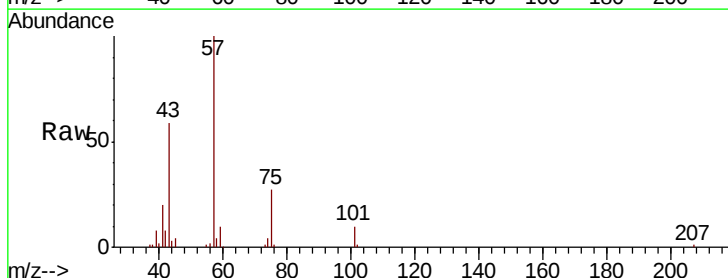
Tgt Ion: 75 Resp: 24012

Ion Ratio Lower Upper

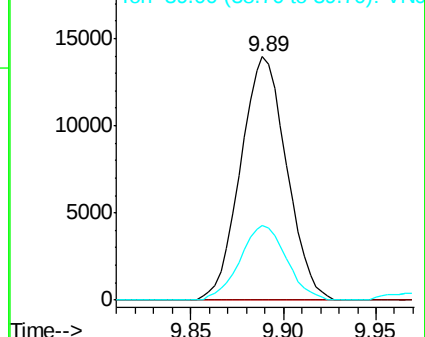
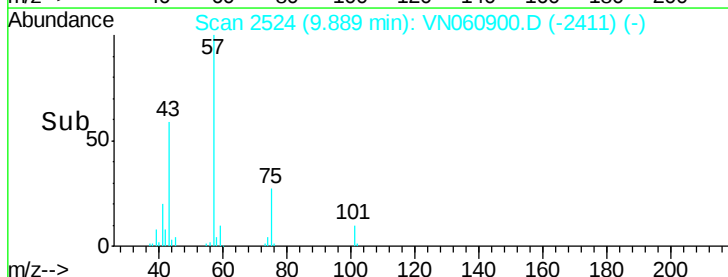
75 100

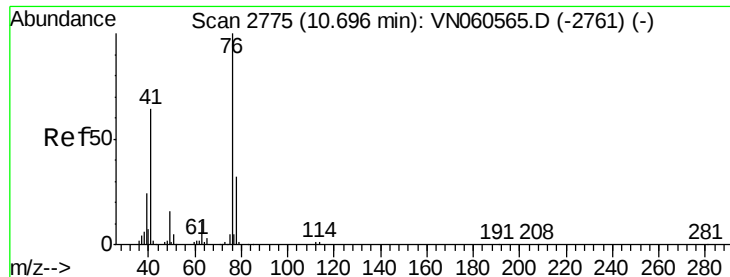
77 0.0 25.4 38.0#

39 30.6 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VN060900.D (-2411) (-)





#57

1,3-Dichloropropane

Concen: 1.067 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060900.D

Acq: 8 Apr 2020 14:54

Instrument :

MSVOA_N

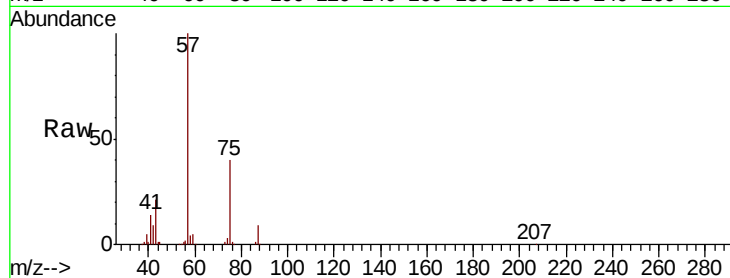
ClientSampled :

Tot Ion: 76 Resp: 4028

Ion Ratio Lower Upper

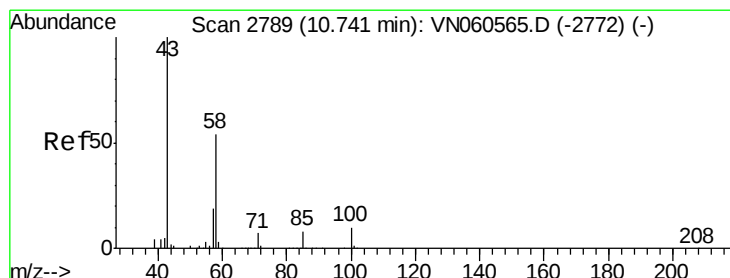
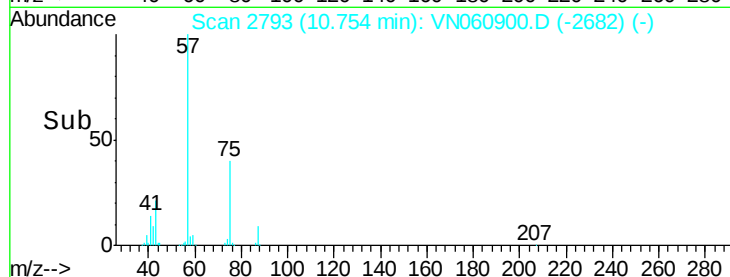
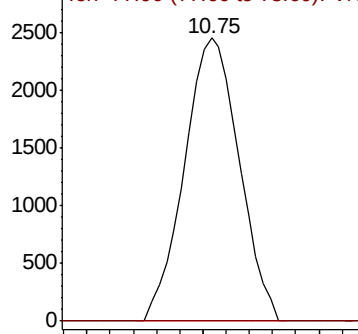
76 100

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: 26.756 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060900.D

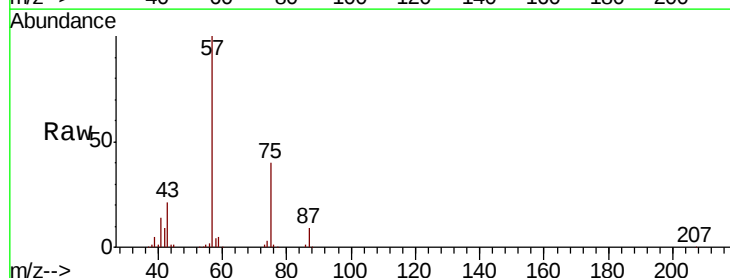
Acq: 8 Apr 2020 14:54

Tgt Ion: 43 Resp: 60611

Ion Ratio Lower Upper

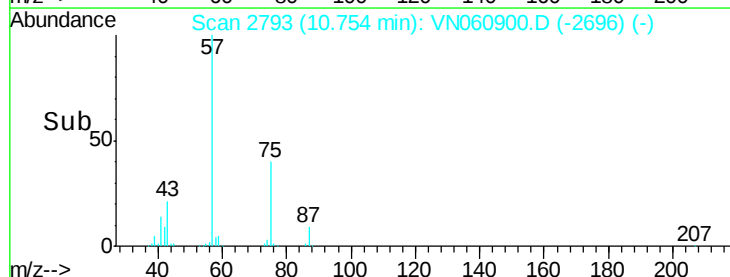
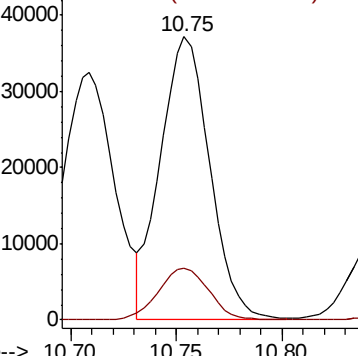
43 100

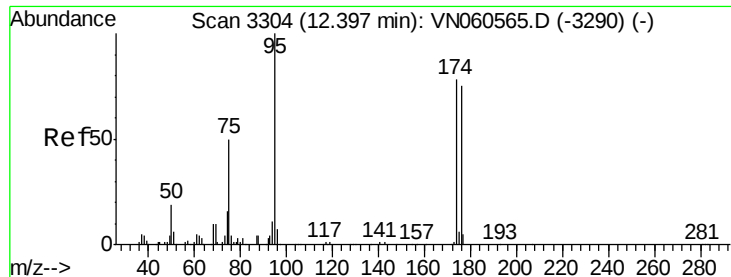
58 18.5 26.7 80.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 50.637 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060900.D

Acq: 8 Apr 2020 14:54

Instrument :

MSVOA_N

ClientSampleId :

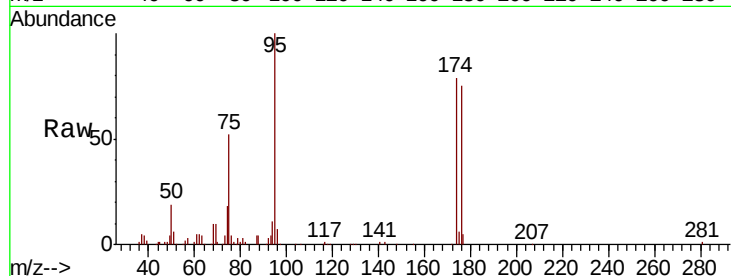
Tot Ion: 95 Resp: 146796

Ion Ratio Lower Upper

95 100

174 78.5 0.0 157.6

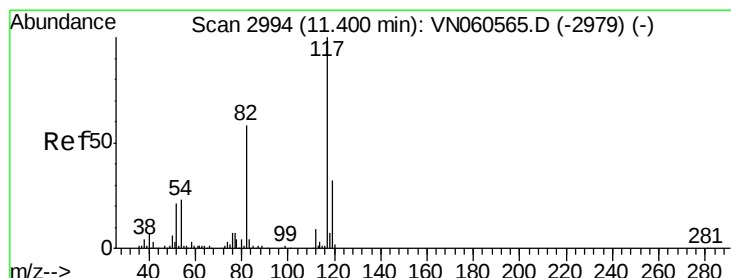
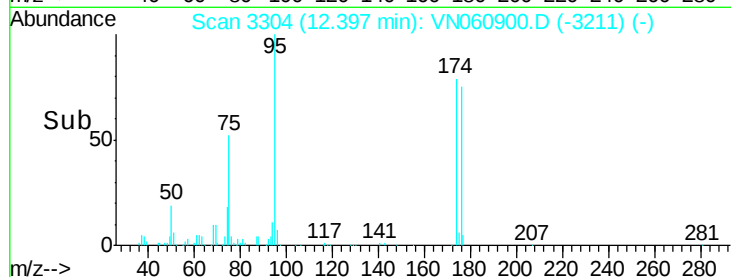
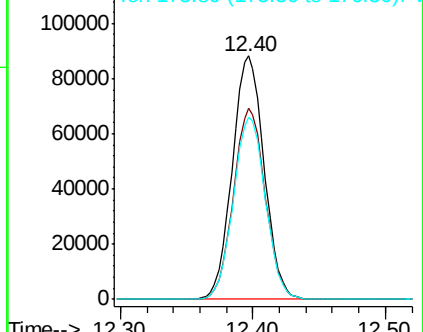
176 75.6 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060900.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060900.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060900.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060900.D

Acq: 8 Apr 2020 14:54

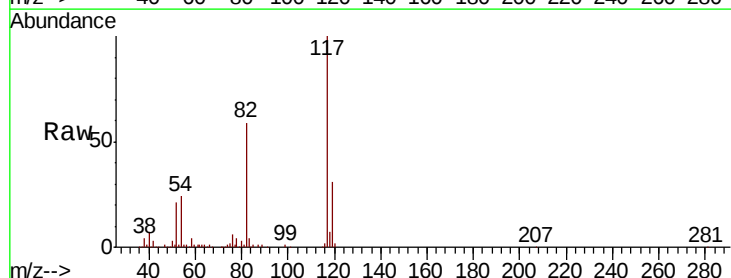
Tgt Ion: 117 Resp: 301250

Ion Ratio Lower Upper

117 100

82 58.8 46.7 70.1

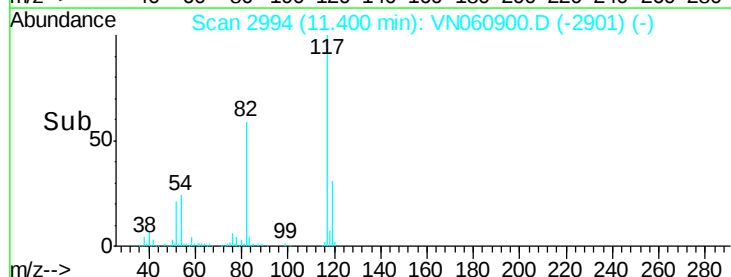
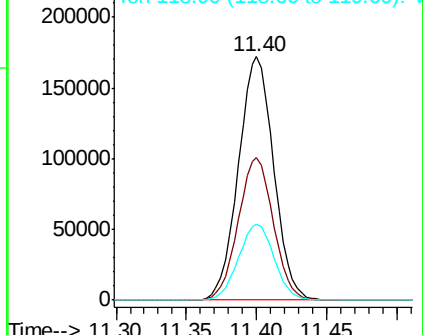
119 31.5 25.5 38.3

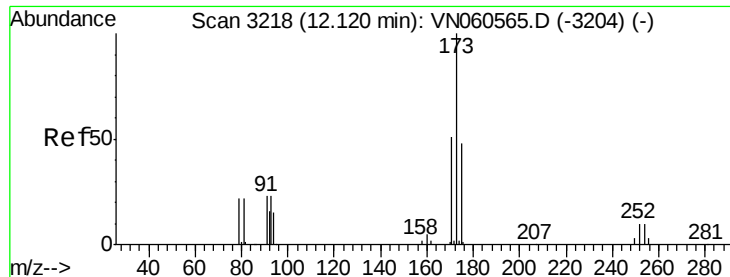


Abundance Ion 116.90 (116.60 to 117.60): VN060900.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060900.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060900.D (-2901) (-)





#71

Bromoform

Concen: 1.756 ug/l

RT: 12.38 min Scan# 3300

Delta R.T. 0.26 min

Lab File: VN060900.D

Acq: 8 Apr 2020 14:54

Instrument :

MSVOA_N

ClientSampleId :

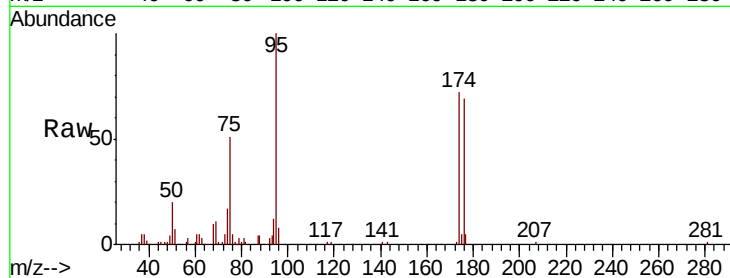
Tot Ion:173 Resp: 140

Ion Ratio Lower Upper

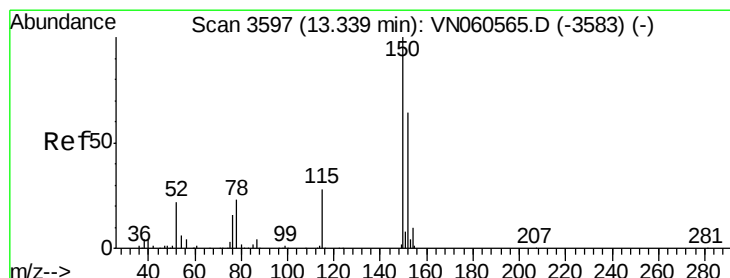
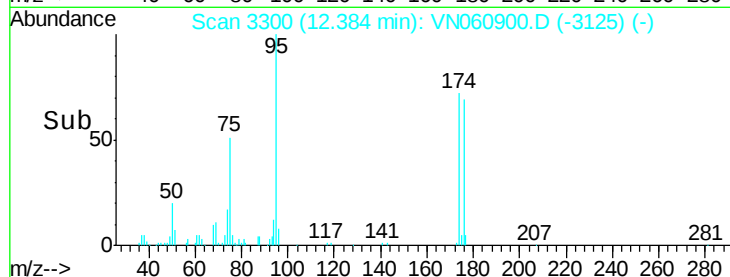
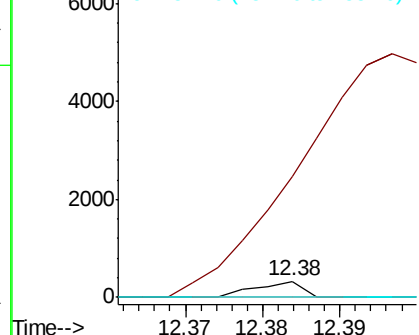
173 100

175 4932.9 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: VN060900.D

Acq: 8 Apr 2020 14:54

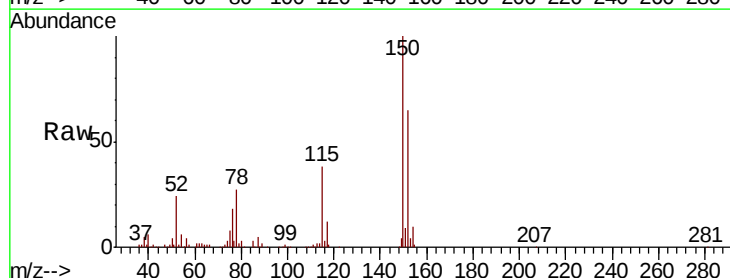
Tgt Ion:152 Resp: 132657

Ion Ratio Lower Upper

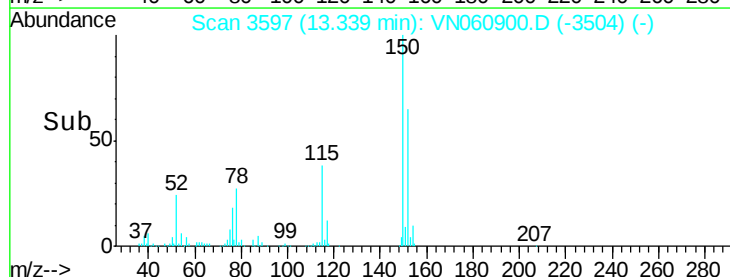
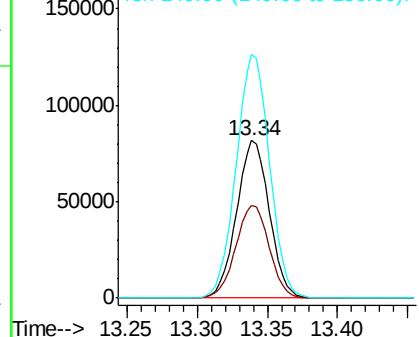
152 100

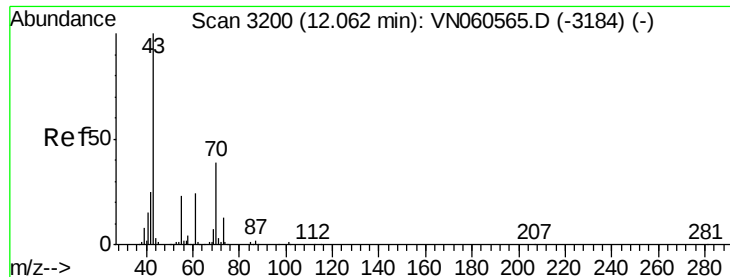
115 59.9 30.2 90.6

150 158.3 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: 0.500 ug/l

RT: 12.02 min Scan# 3187

Delta R.T. -0.04 min

Lab File: VN060900.D

Acq: 8 Apr 2020 14:54

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 2302

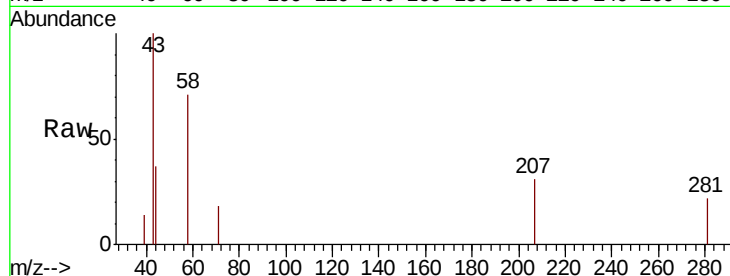
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

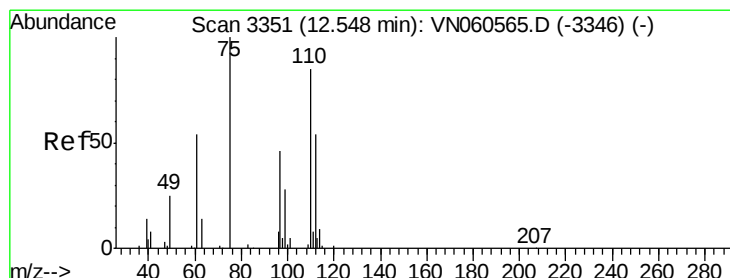
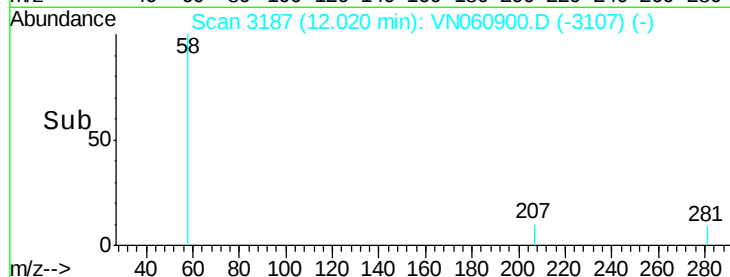
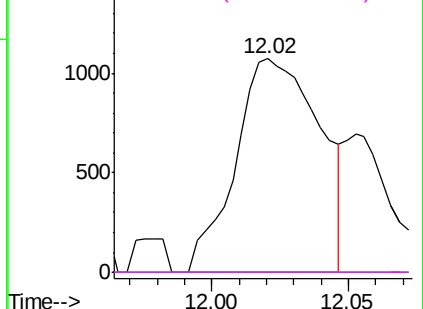


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 25.922 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060900.D

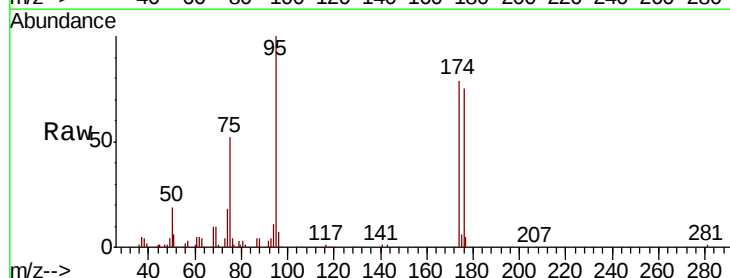
Acq: 8 Apr 2020 14:54

Tgt Ion: 75 Resp: 74202

Ion Ratio Lower Upper

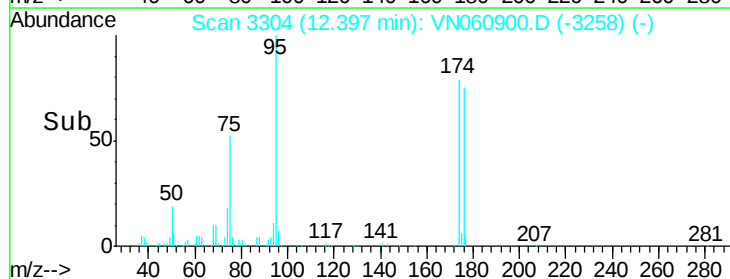
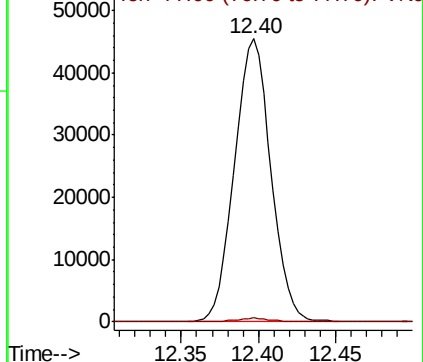
75 100

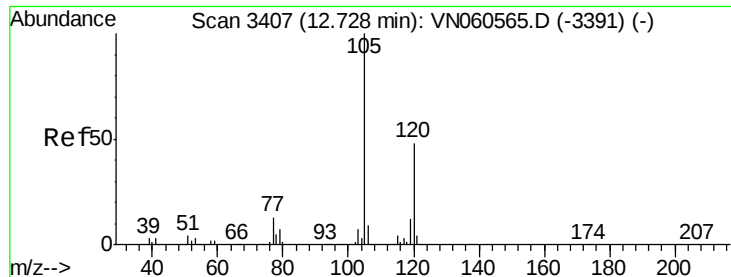
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#80

1,3,5-Trimethylbenzene

Concen: 0.384 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060900.D

Acq: 8 Apr 2020 14:54

Instrument :

MSVOA_N

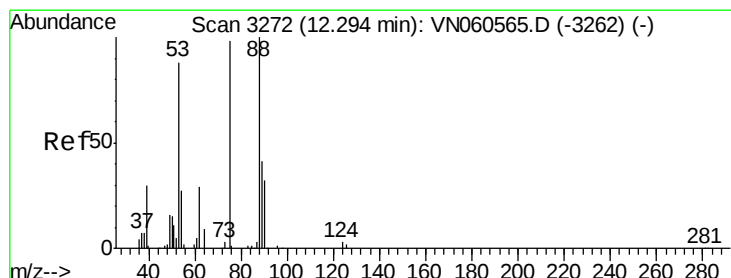
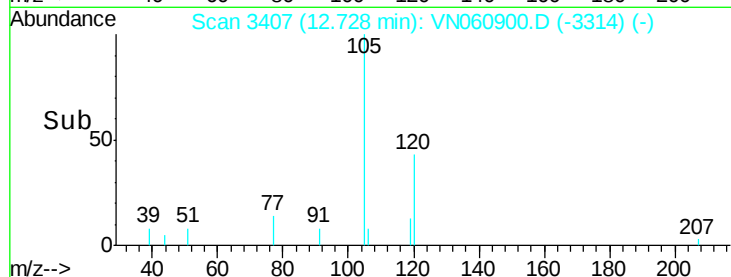
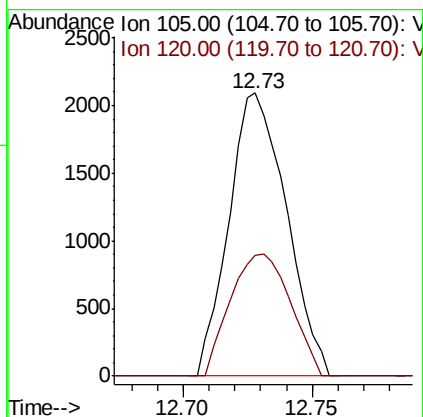
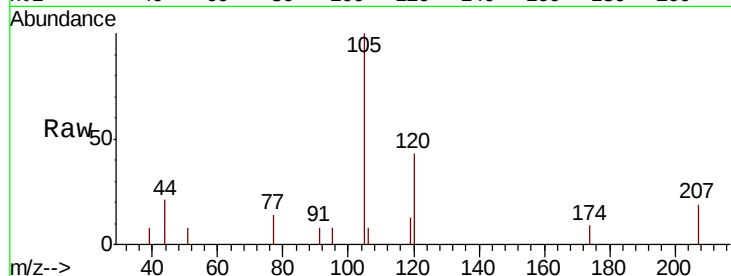
ClientSampled :

Tot Ion:105 Resp: 3240

Ion Ratio Lower Upper

105 100

120 45.2 23.9 71.7



#81

trans-1,4-Dichloro-2-butene

Concen: 66.576 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060900.D

Acq: 8 Apr 2020 14:54

Tgt Ion: 75 Resp: 74202

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

