

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040820\
 Data File : VN060905.D
 Acq On : 8 Apr 2020 16:48
 Operator : JC/MD
 Sample : L2185-16 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 09 08:29:12 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	201770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	336240	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	320230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148838	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	130491	47.11	ug/l	0.00
Spiked Amount						
			Recovery	=	94.22%	
35) Dibromofluoromethane	7.56	113	99961	49.17	ug/l	0.00
Spiked Amount						
			Recovery	=	98.34%	
50) Toluene-d8	10.08	98	418085	50.34	ug/l	0.00
Spiked Amount						
			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.40	95	159351	52.36	ug/l	0.00
Spiked Amount						
			Recovery	=	104.72%	

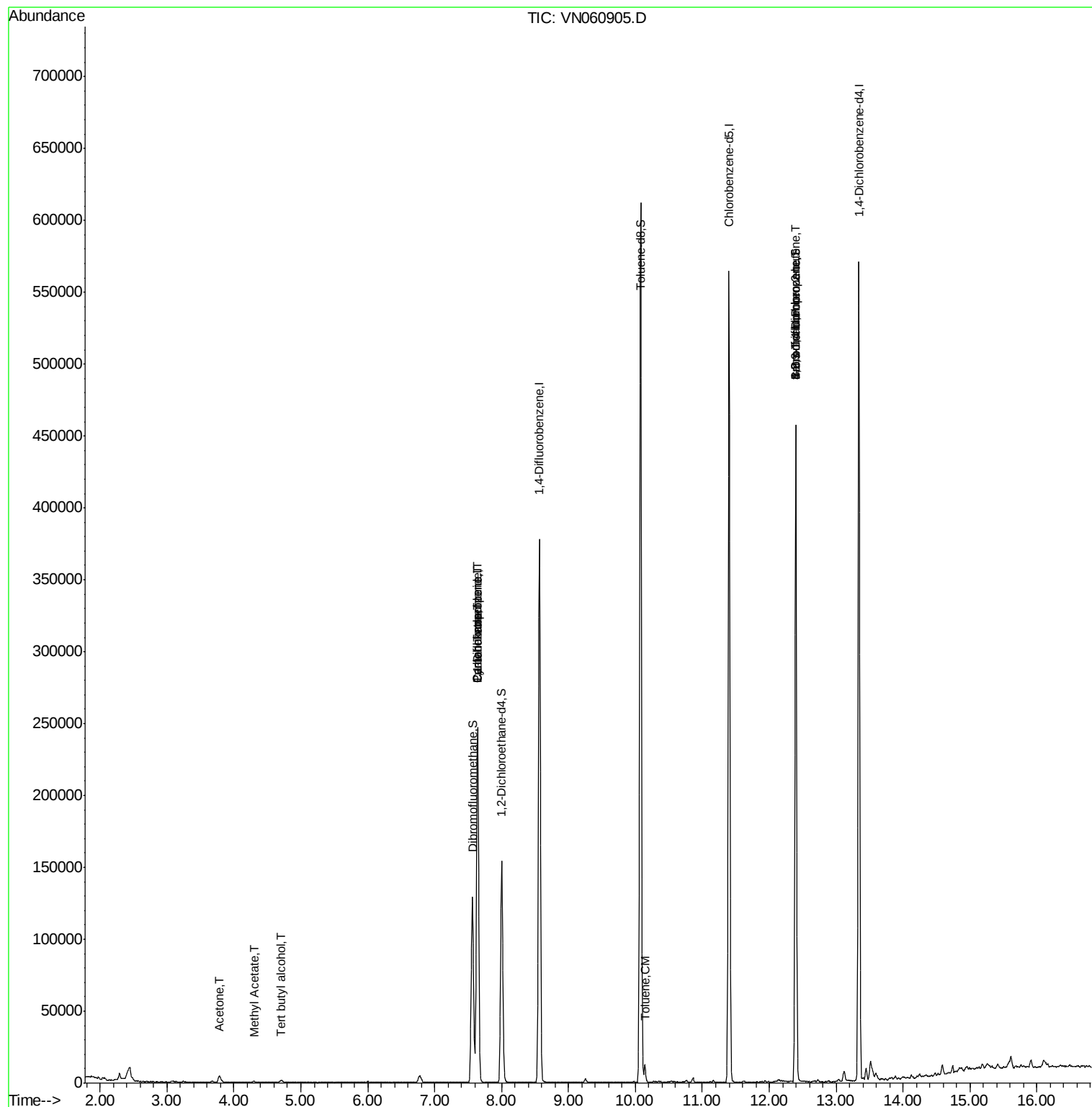
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.70	59	1588	3.898	ug/l #	72
16) Acetone	3.78	43	8645	8.811	ug/l	97
18) Methyl Acetate	4.30	43	1124	0.407	ug/l #	54
31) Cyclohexane	7.64	56	4259	0.955	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15876	4.876	ug/l #	49
38) Carbon Tetrachloride	7.64	117	19101	6.546	ug/l #	16
52) Toluene	10.14	92	5041	0.849	ug/l	94
71) Bromoform	12.40	173	630	1.999	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	81090	25.249	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	81090	64.847	ug/l #	13

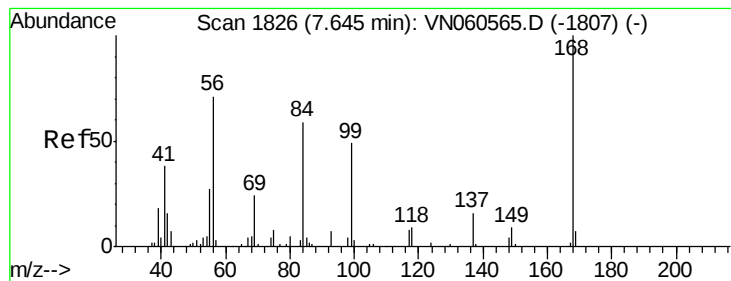
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060905.D

Acq: 8 Apr 2020 16:48

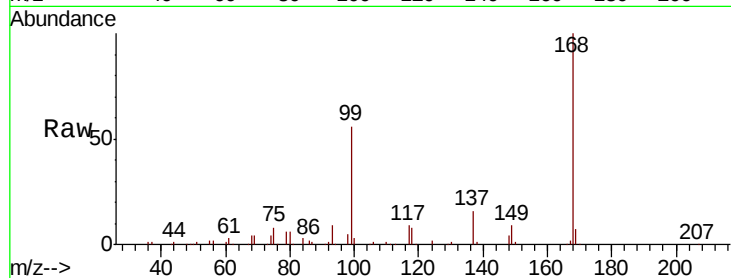
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 201770

Ion Ratio Lower Upper

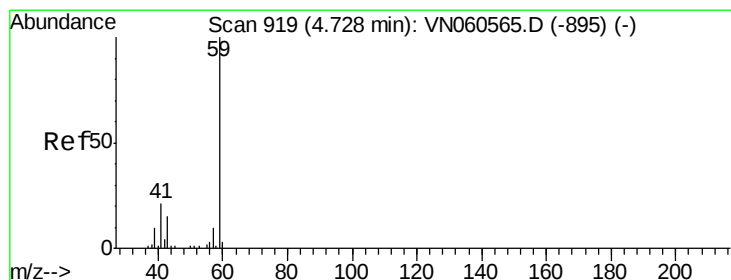
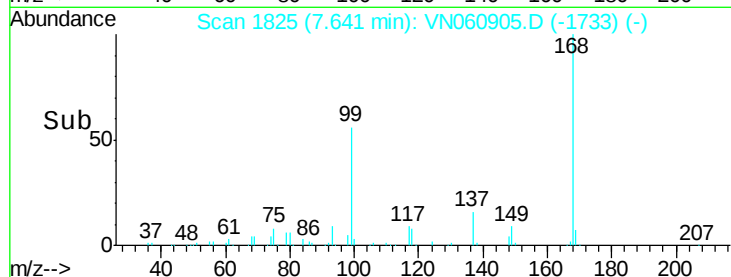
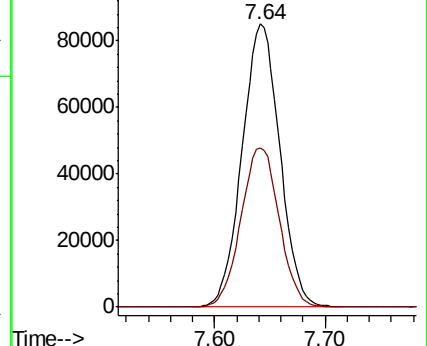
168 100

99 56.4 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: 3.898 ug/l

RT: 4.70 min Scan# 911

Delta R.T. -0.03 min

Lab File: VN060905.D

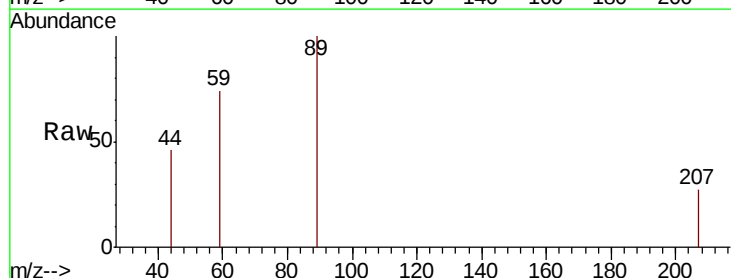
Acq: 8 Apr 2020 16:48

Tgt Ion: 59 Resp: 1588

Ion Ratio Lower Upper

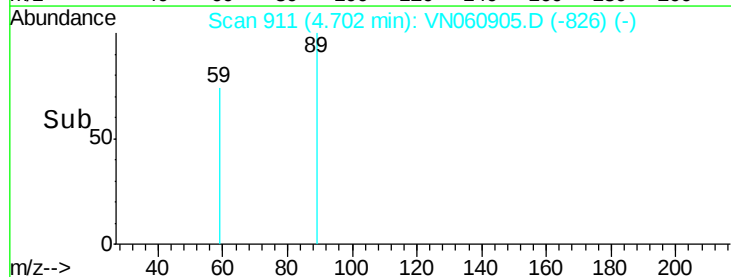
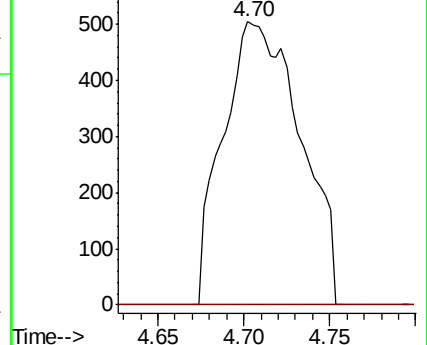
59 100

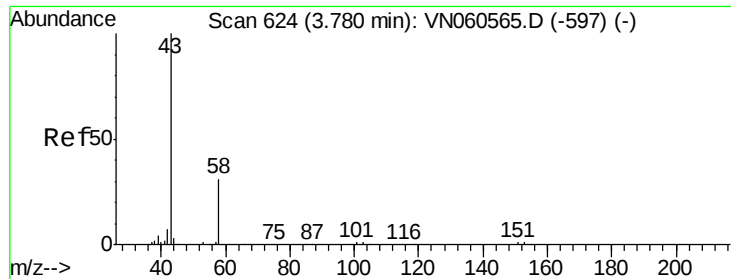
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#16

Acetone

Concen: 8.811 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060905.D

Acq: 8 Apr 2020 16:48

Instrument :

MSVOA_N

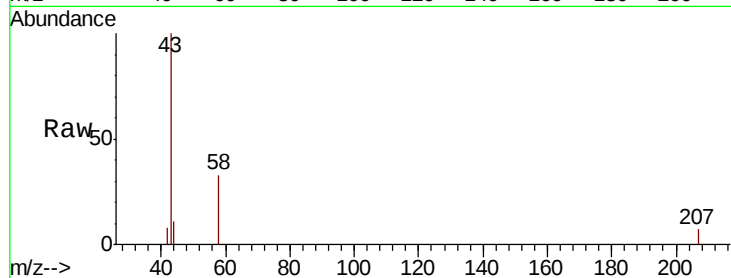
ClientSampleId :

Tot Ion: 43 Resp: 8645

Ion Ratio Lower Upper

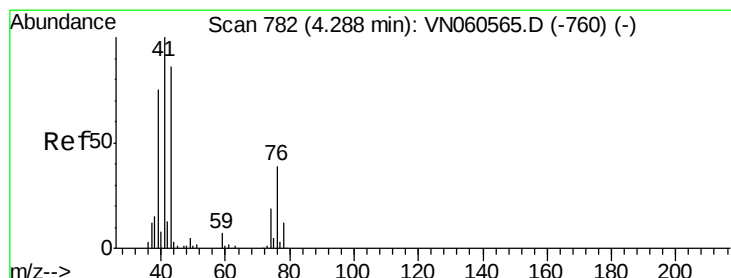
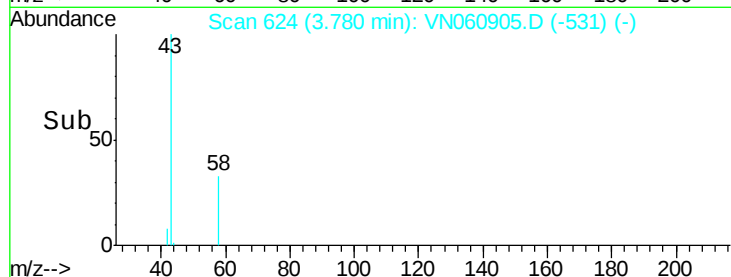
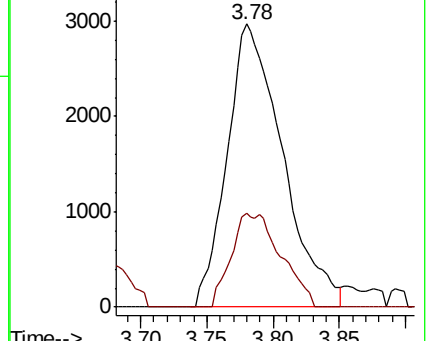
43 100

58 33.3 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060905.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060905.D (-531) (-)



#18

Methyl Acetate

Concen: 0.407 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.01 min

Lab File: VN060905.D

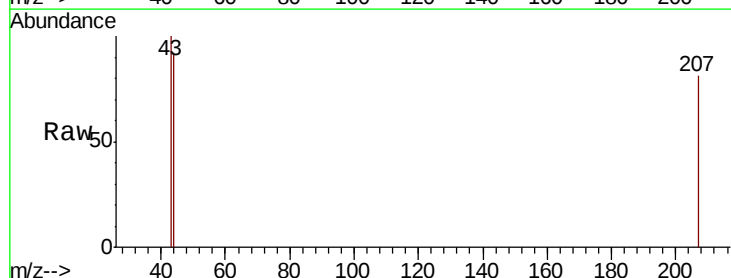
Acq: 8 Apr 2020 16:48

Tgt Ion: 43 Resp: 1124

Ion Ratio Lower Upper

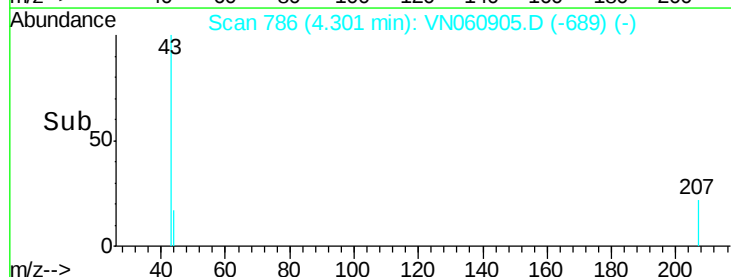
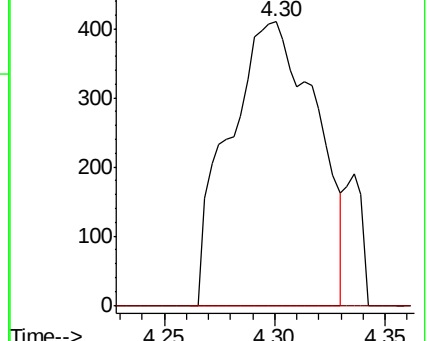
43 100

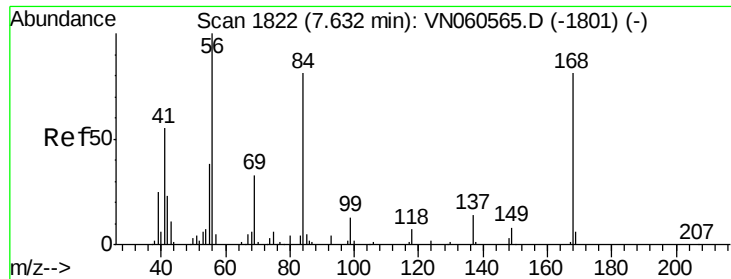
74 0.0 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VN060905.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN060905.D (-689) (-)

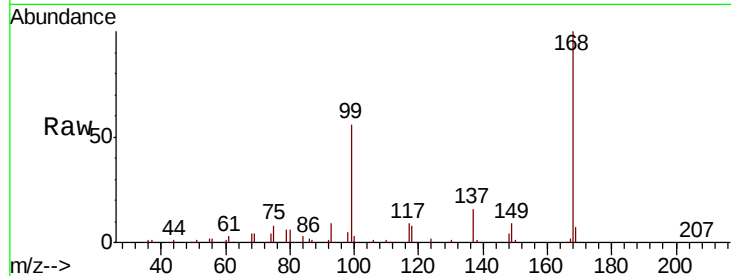




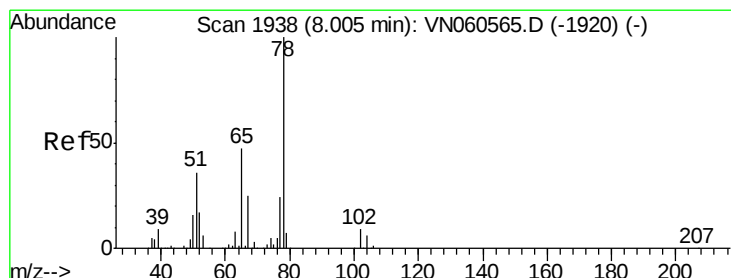
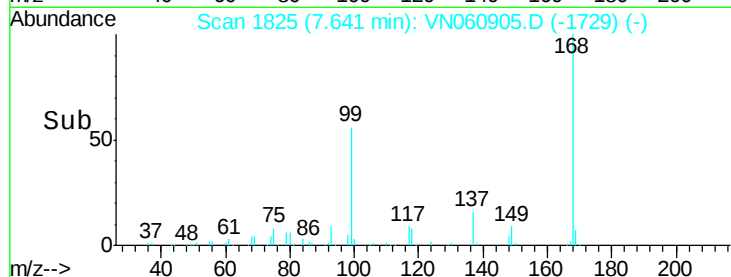
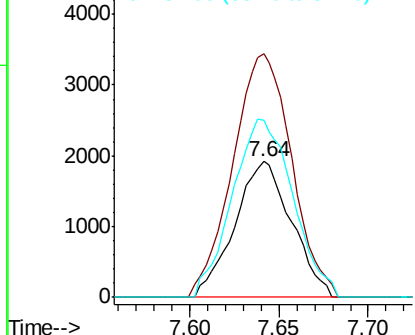
#31
Cyclohexane
Concen: 0.955 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060905.D
Acq: 8 Apr 2020 16:48

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 4259
Ion Ratio Lower Upper
56 100
69 179.7 26.6 40.0#
84 130.7 64.3 96.5#

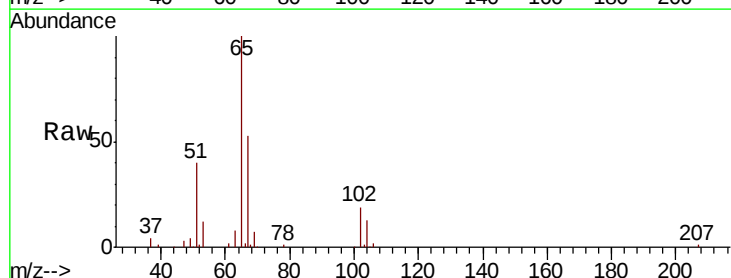


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

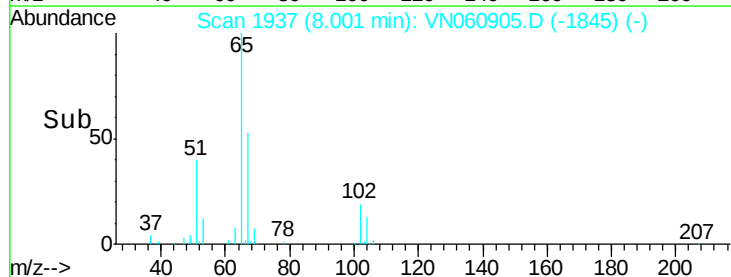
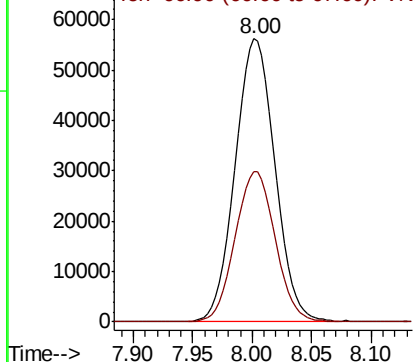


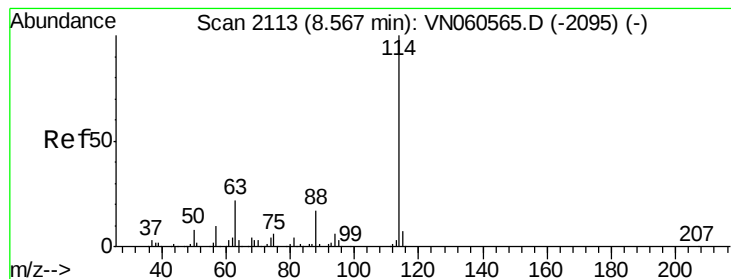
#33
1,2-Dichloroethane-d4
Concen: 47.111 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN060905.D
Acq: 8 Apr 2020 16:48

Tgt Ion: 65 Resp: 130491
Ion Ratio Lower Upper
65 100
67 53.4 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: VN060905.D

Acq: 8 Apr 2020 16:48

Instrument :

MSVOA_N

ClientSampleId :

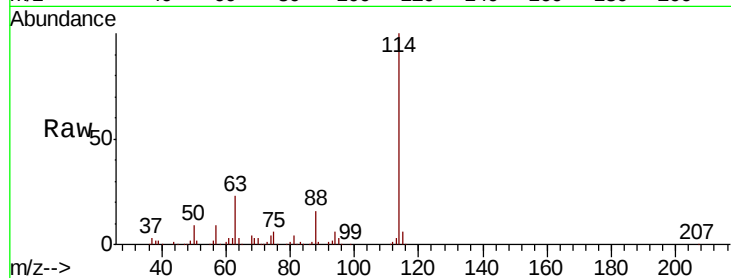
Tot Ion:114 Resp: 336240

Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.8

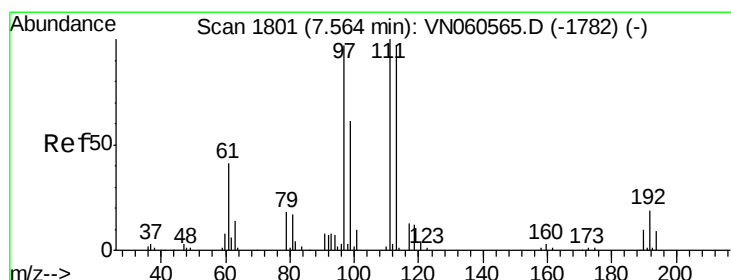
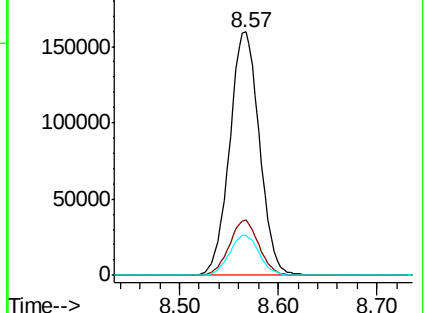
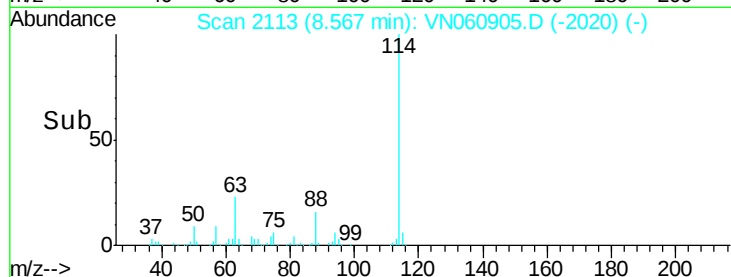
88 16.5 0.0 33.0



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: 49.166 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060905.D

Acq: 8 Apr 2020 16:48

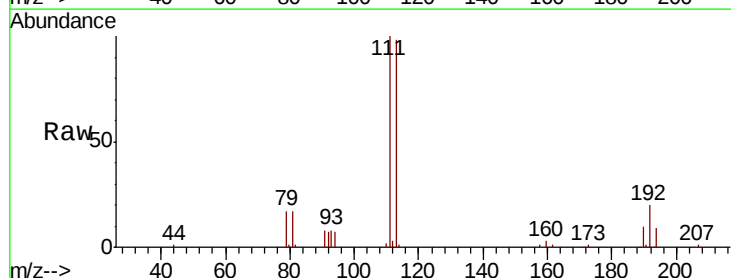
Tgt Ion:113 Resp: 99961

Ion Ratio Lower Upper

113 100

111 101.1 82.9 124.3

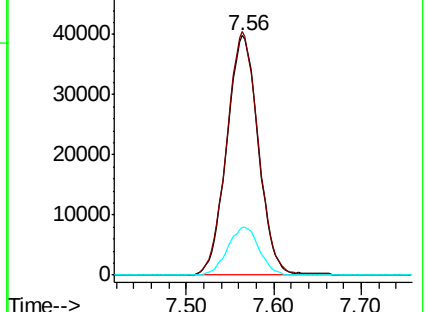
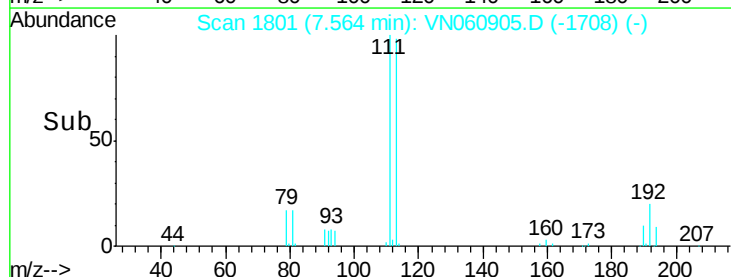
192 20.0 15.8 23.8

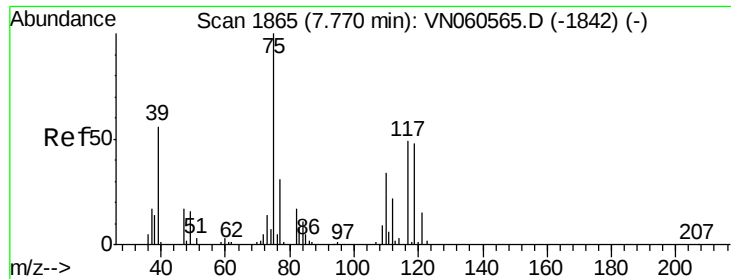


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

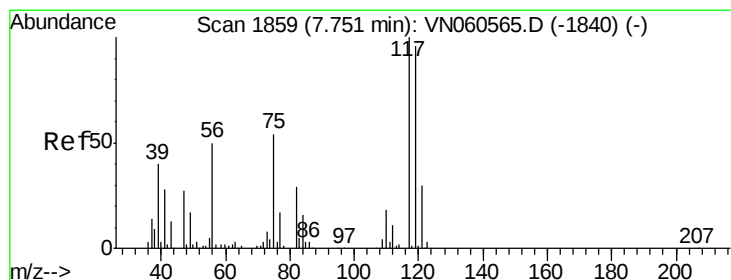
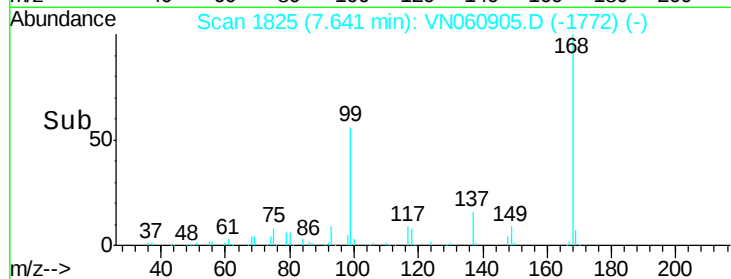
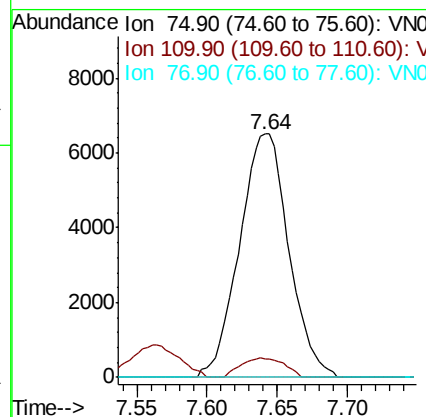
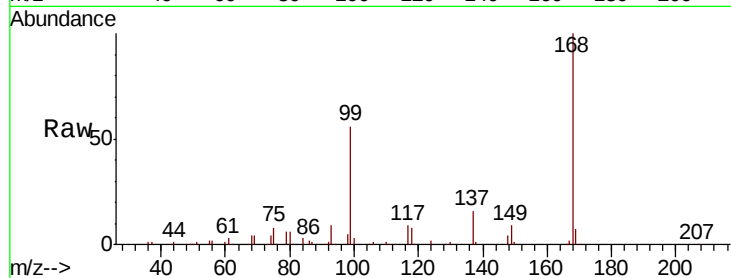




#36
 1,1-Dichloropropene
 Concen: 4.876 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060905.D
 Acq: 8 Apr 2020 16:48

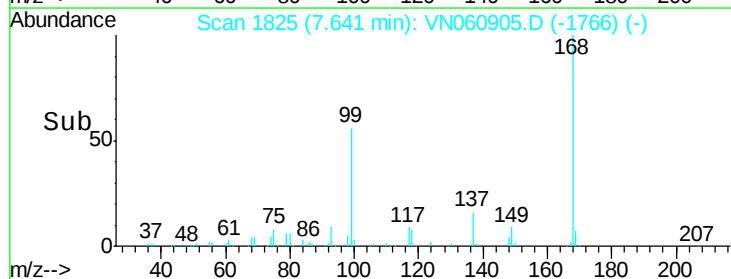
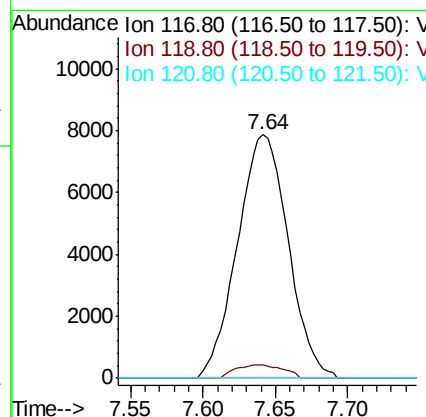
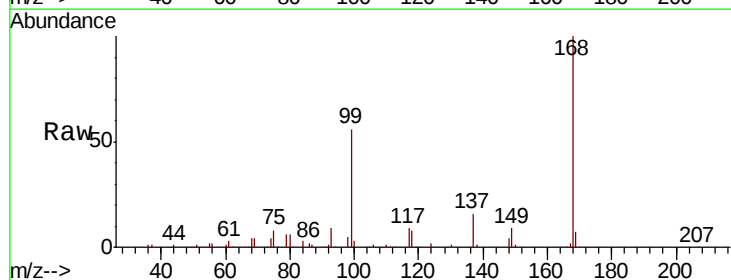
Instrument :
 MSVOA_N
 ClientSampled :

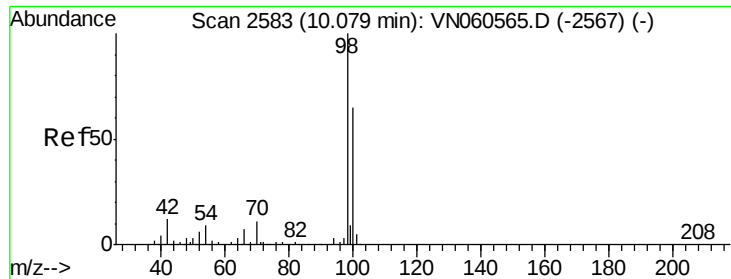
Tot Ion	75	Resp	15876
Ion Ratio	Lower	Upper	
75	100		
110	7.0	16.9	50.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.546 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060905.D
 Acq: 8 Apr 2020 16:48

Tgt Ion	117	Resp	19101
Ion Ratio	Lower	Upper	
117	100		
119	5.2	76.2	114.2#
121	0.0	23.7	35.5#

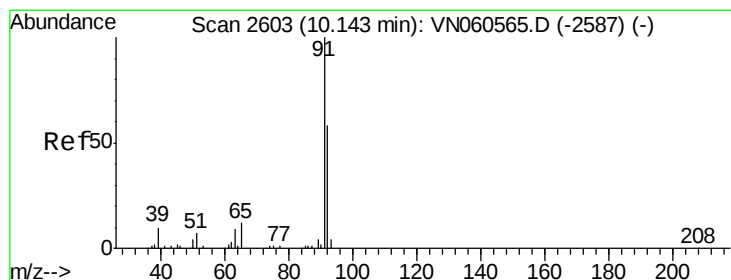
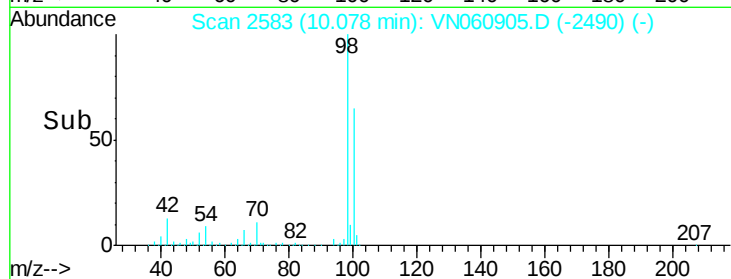
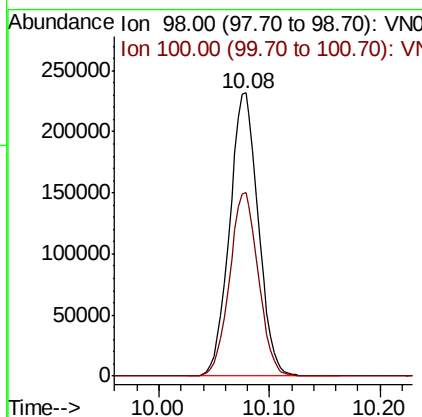
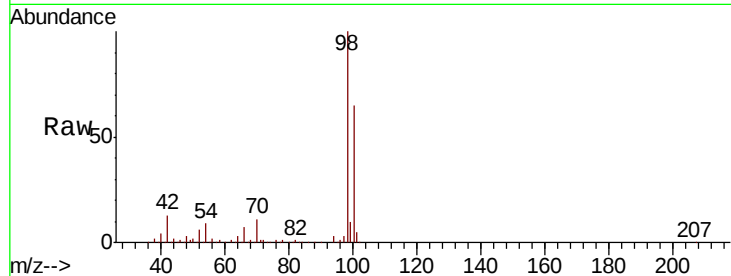




#50
Toluene-d8
Concen: 50.344 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060905.D
Acq: 8 Apr 2020 16:48

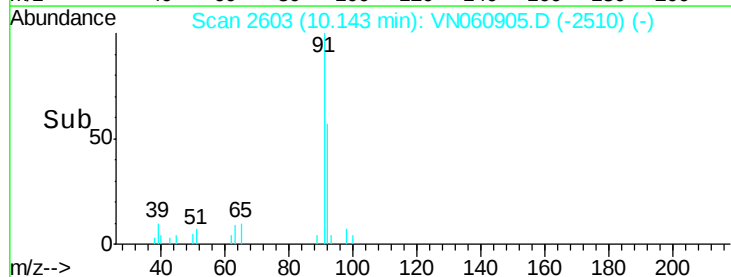
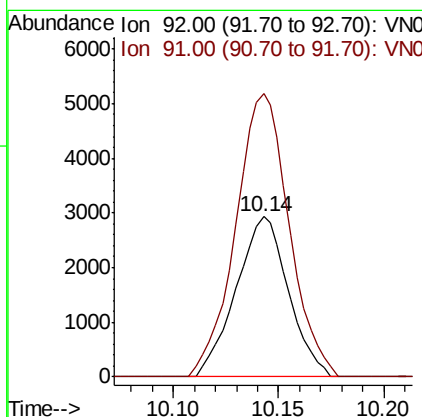
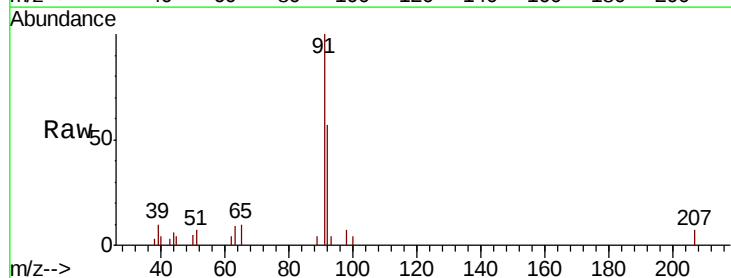
Instrument :
MSVOA_N
ClientSampleId :

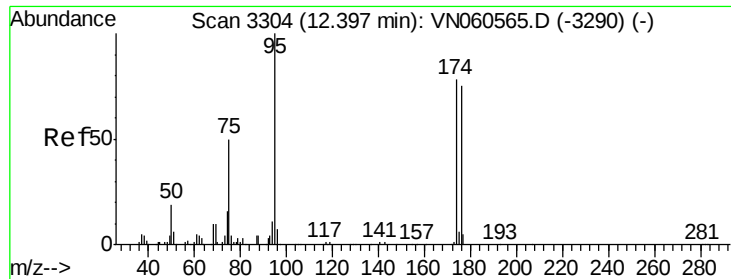
Tot Ion: 98 Resp: 418085
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.8



#52
Toluene
Concen: 0.849 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN060905.D
Acq: 8 Apr 2020 16:48

Tgt Ion: 92 Resp: 5041
Ion Ratio Lower Upper
92 100
91 180.9 137.6 206.4

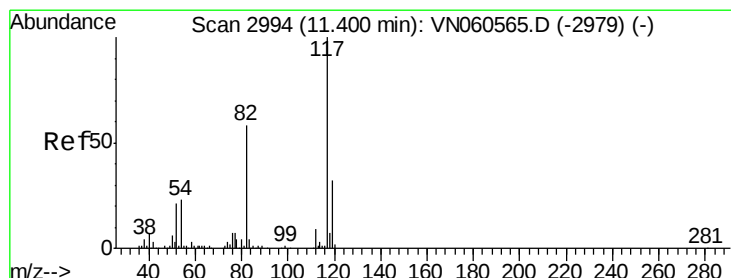
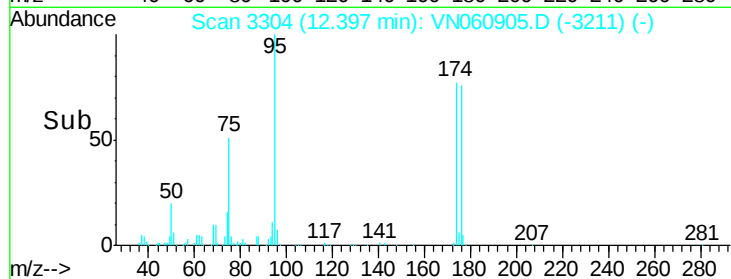
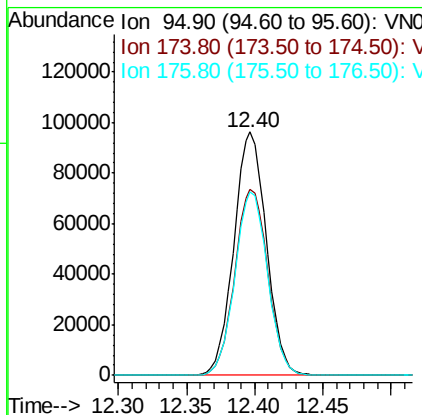
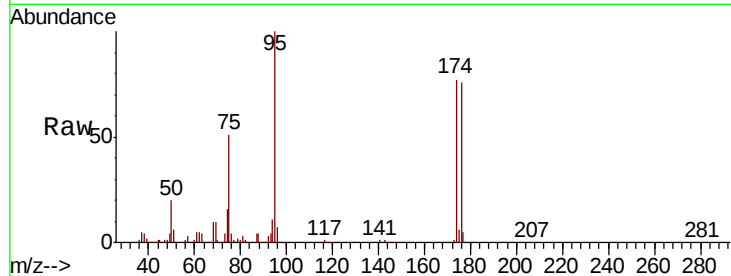




#62
4-Bromofluorobenzene
Concen: 52.358 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060905.D
Acq: 8 Apr 2020 16:48

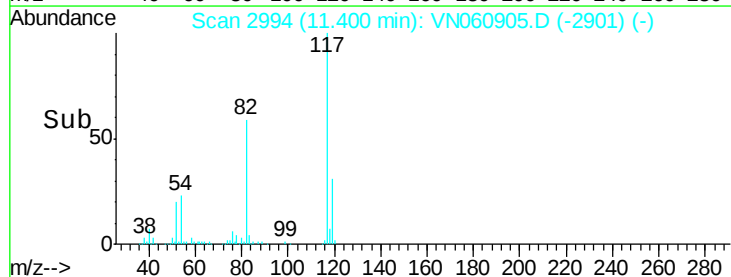
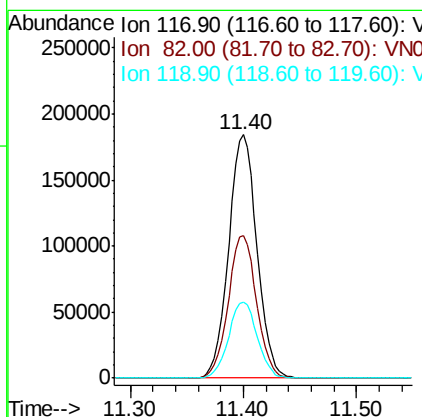
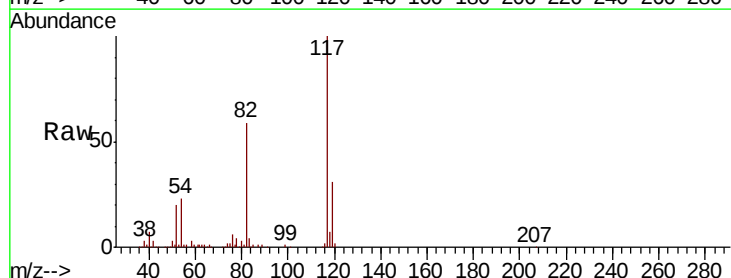
Instrument :
MSVOA_N
ClientSampleId :

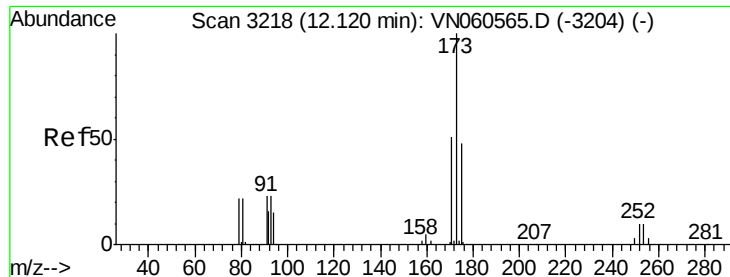
Tot Ion: 95 Resp: 159351
Ion Ratio Lower Upper
95 100
174 77.8 0.0 157.6
176 75.6 0.0 150.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060905.D
Acq: 8 Apr 2020 16:48

Tgt Ion: 117 Resp: 320230
Ion Ratio Lower Upper
117 100
82 58.7 46.7 70.1
119 31.4 25.5 38.3





#71

Bromoform

Concen: 1.999 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN060905.D

Acq: 8 Apr 2020 16:48

Instrument :

MSVOA_N

ClientSampleId :

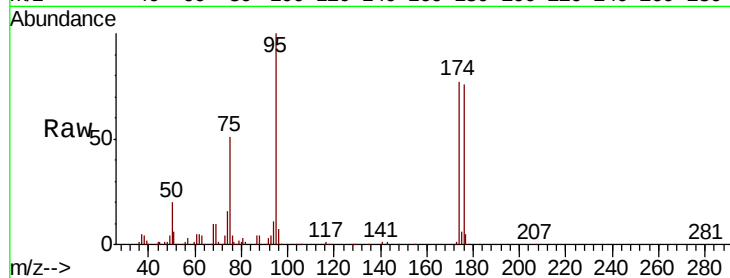
Tot Ion:173 Resp: 630

Ion Ratio Lower Upper

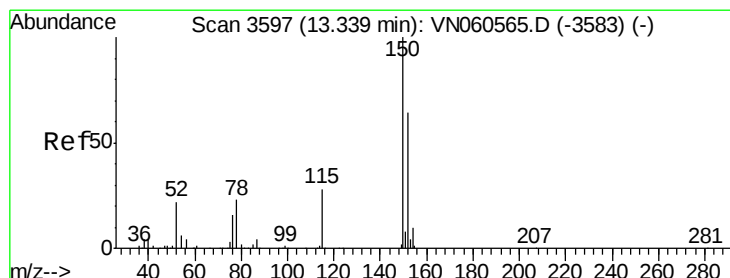
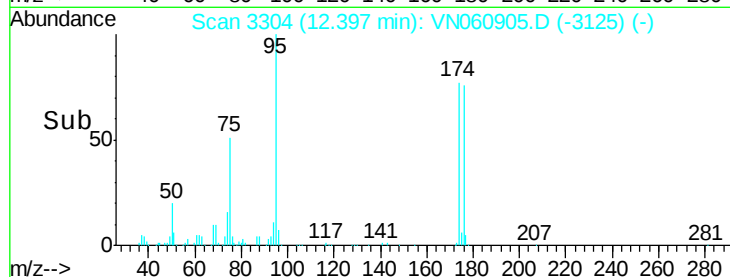
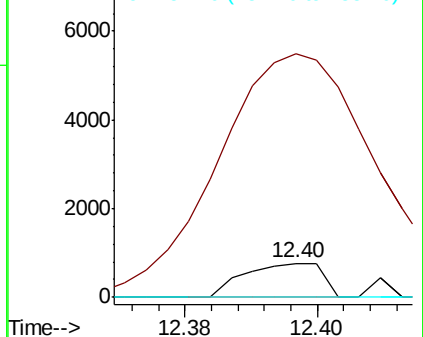
173 100

175 1218.1 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: VN060905.D

Acq: 8 Apr 2020 16:48

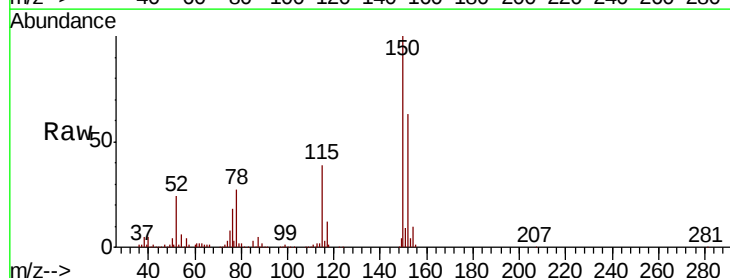
Tgt Ion:152 Resp: 148838

Ion Ratio Lower Upper

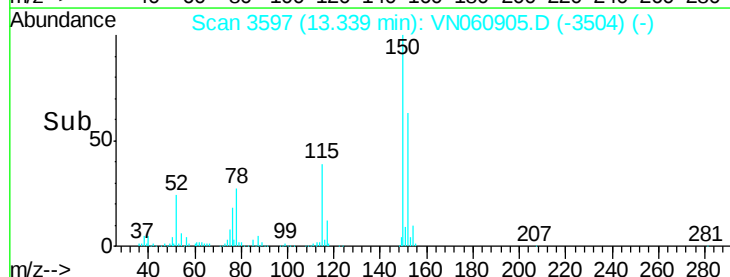
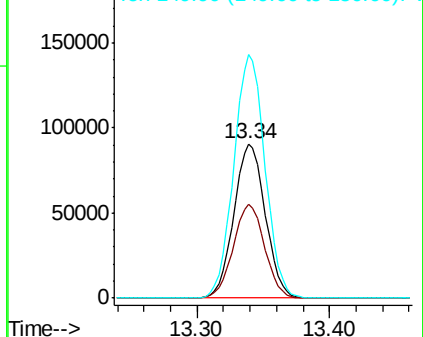
152 100

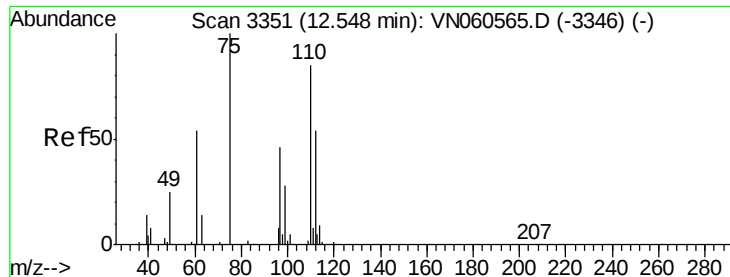
115 60.8 30.2 90.6

150 157.3 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





#76

1,2,3-Trichloropropane

Concen: 25.249 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060905.D

Acq: 8 Apr 2020 16:48

Instrument :

MSVOA_N

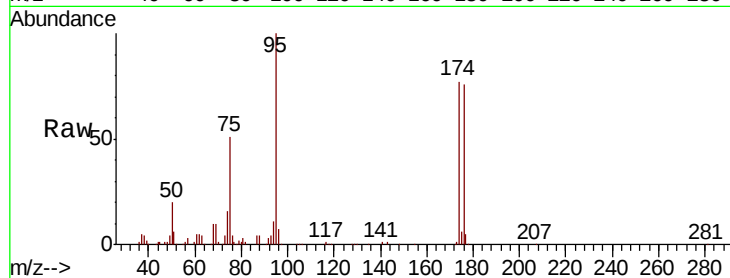
ClientSampled :

Tot Ion: 75 Resp: 81090

Ion Ratio Lower Upper

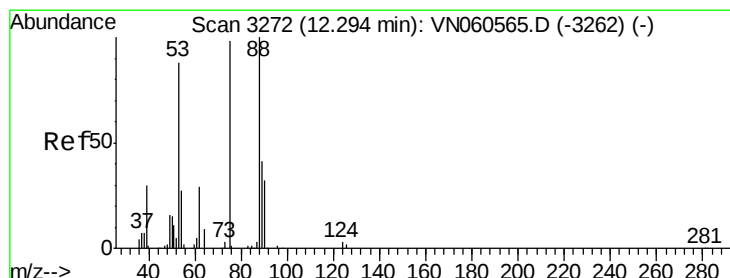
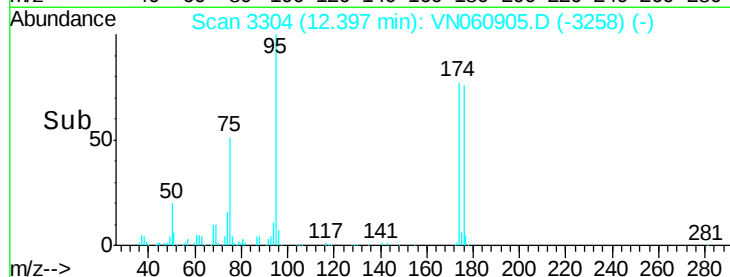
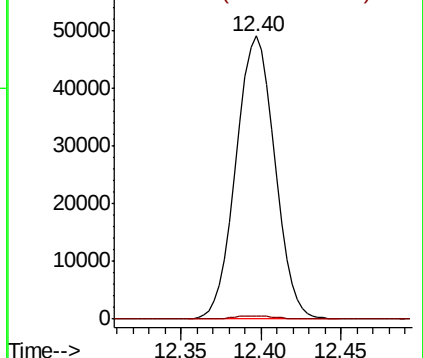
75 100

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: 64.847 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060905.D

Acq: 8 Apr 2020 16:48

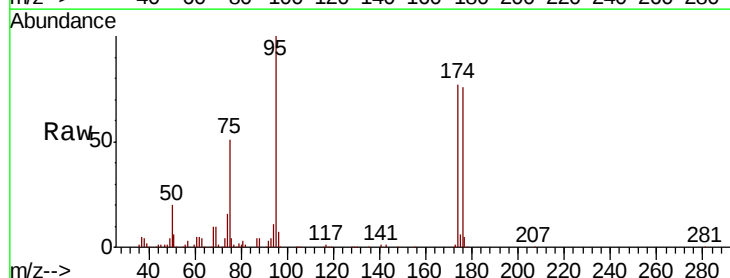
Tgt Ion: 75 Resp: 81090

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

