

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031920\
 Data File : VN060636.D
 Acq On : 19 Mar 2020 15:00
 Operator : JC/MD
 Sample : L1966-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 20 01:49:43 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	196001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	326930	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	303252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	136544	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	128239	47.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.32%	
35) Dibromofluoromethane	7.57	113	97111	49.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.24%	
50) Toluene-d8	10.08	98	399329	49.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.40	95	150061	50.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.42%	

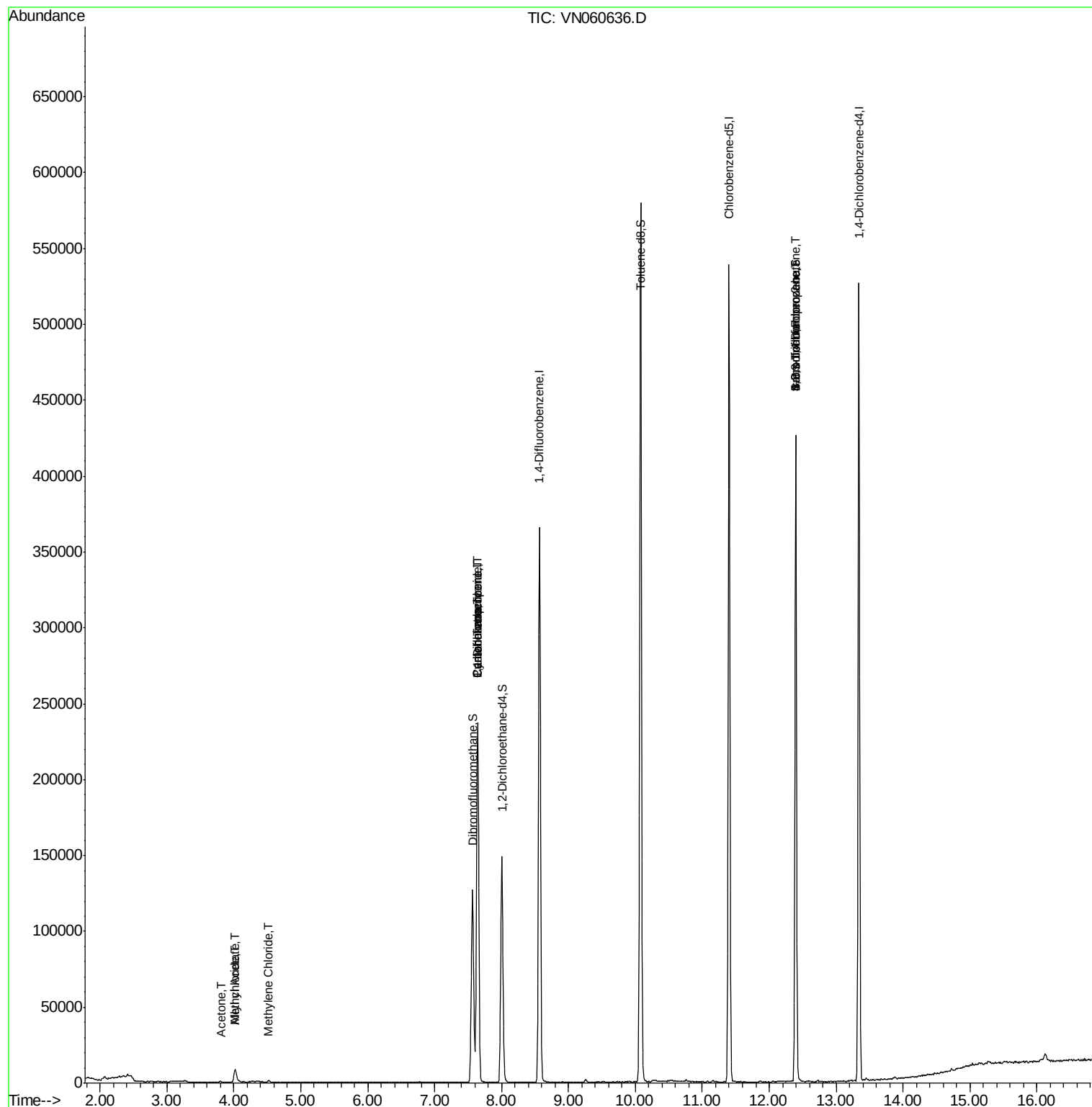
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.02	41	1190	0.319	ug/l #	28
16) Acetone	3.79	43	914	0.959	ug/l #	43
18) Methyl Acetate	4.02	43	3120	1.163	ug/l #	54
20) Methylene Chloride	4.52	84	767	0.327	ug/l #	86
31) Cyclohexane	7.64	56	3987	0.920	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15217	4.807	ug/l #	50
38) Carbon Tetrachloride	7.64	117	19489	6.869	ug/l #	16
71) Bromoform	12.39	173	538	1.968	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	74293	25.215	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	74293	64.761	ug/l #	13

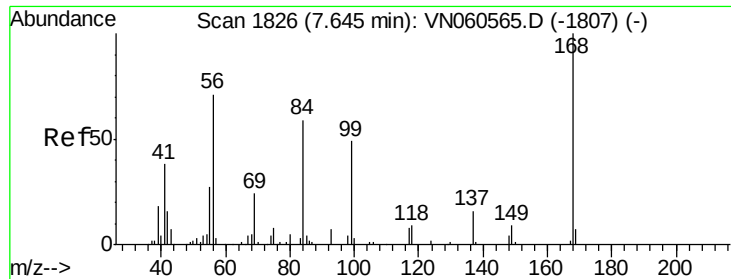
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060636.D

Acq: 19 Mar 2020 15:00

Instrument :

MSVOA_N

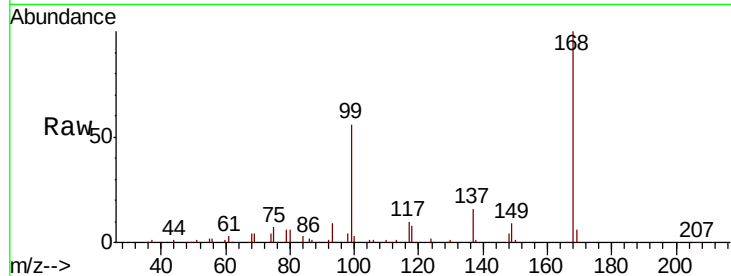
ClientSampleId :

Tot Ion:168 Resp: 196001

Ion Ratio Lower Upper

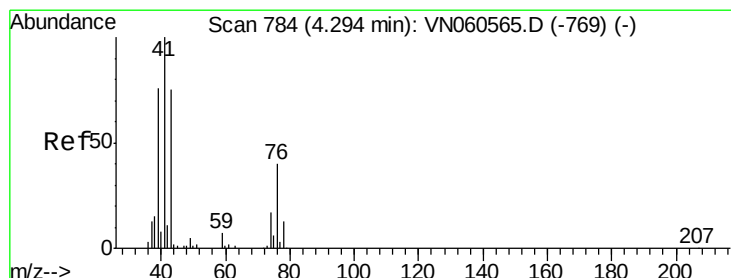
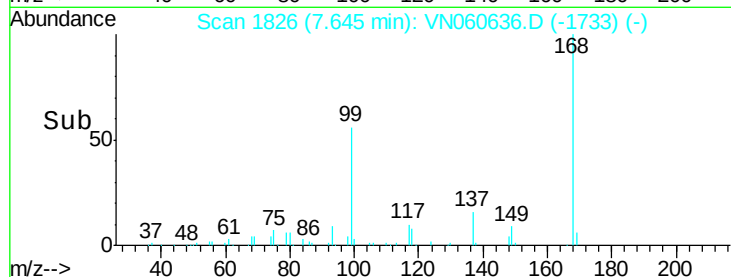
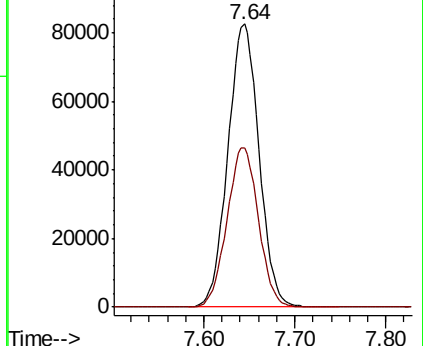
168 100

99 56.1 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#14

Allyl chloride

Concen: 0.319 ug/l

RT: 4.02 min Scan# 699

Delta R.T. -0.27 min

Lab File: VN060636.D

Acq: 19 Mar 2020 15:00

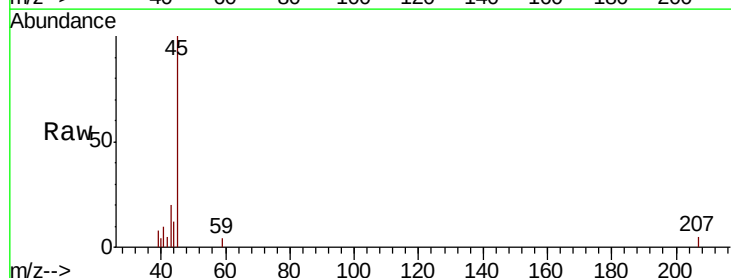
Tgt Ion: 41 Resp: 1190

Ion Ratio Lower Upper

41 100

39 7.6 57.8 86.8#

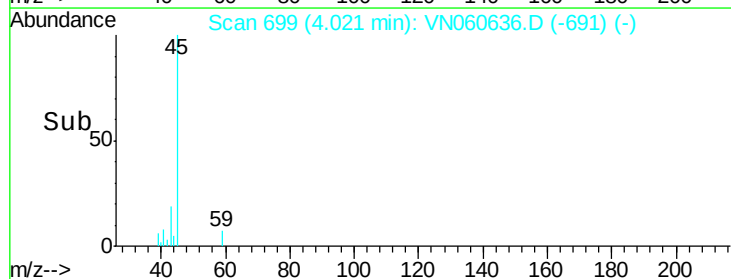
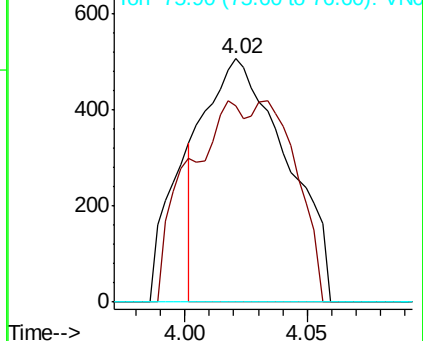
76 0.0 28.6 43.0#

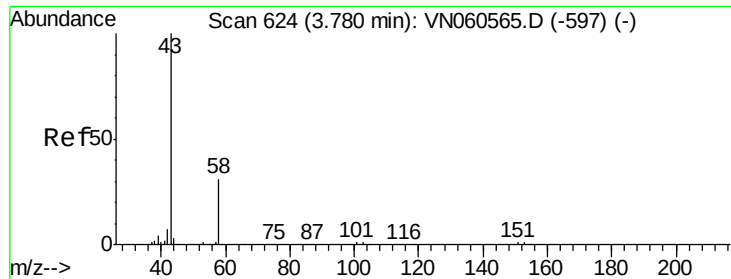


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

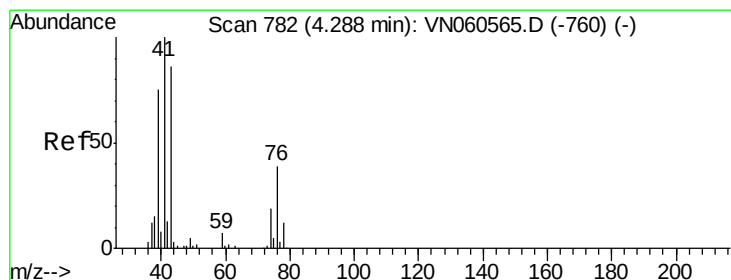
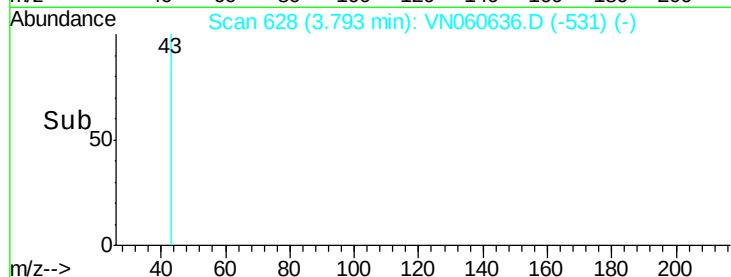
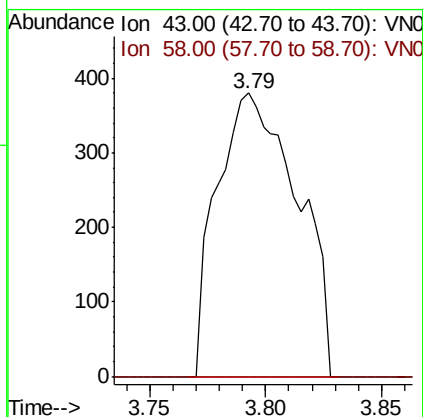
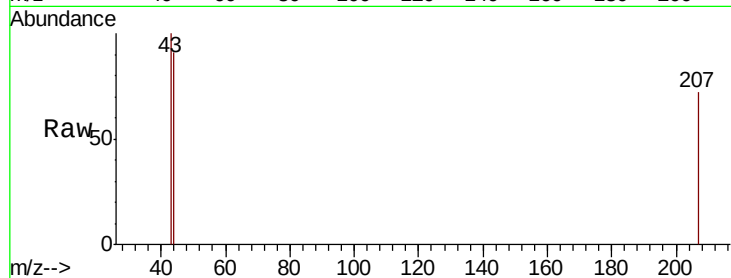




#16
Acetone
Concen: 0.959 ug/l
RT: 3.79 min Scan# 628
Delta R.T. 0.01 min
Lab File: VN060636.D
Acq: 19 Mar 2020 15:00

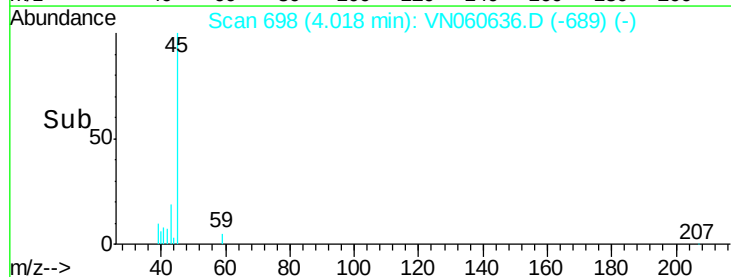
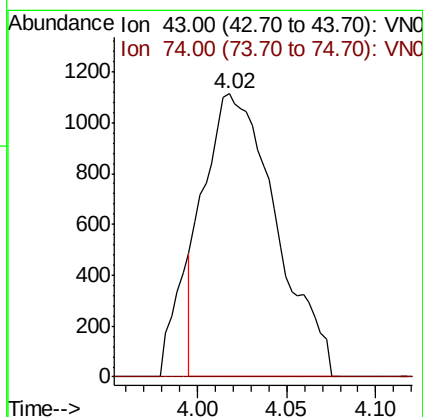
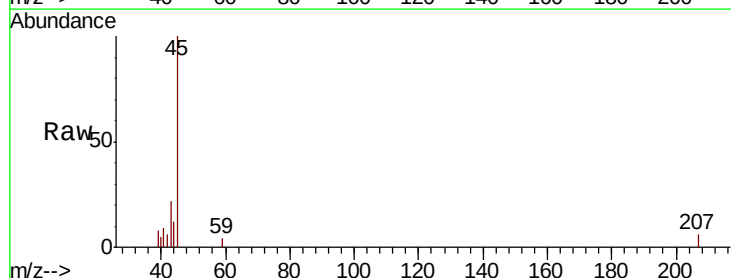
Instrument :
MSVOA_N
ClientSampleId :

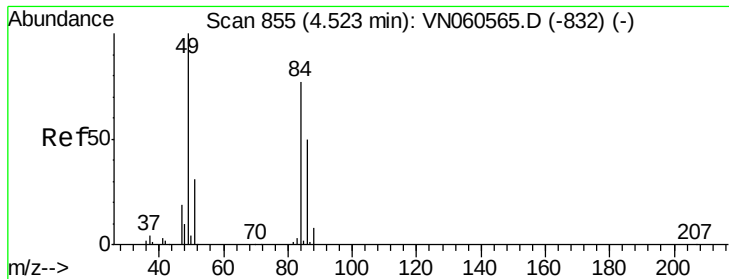
Tot Ion: 43 Resp: 914
Ion Ratio Lower Upper
43 100
58 0.0 25.1 37.7#



#18
Methyl Acetate
Concen: 1.163 ug/l
RT: 4.02 min Scan# 698
Delta R.T. -0.27 min
Lab File: VN060636.D
Acq: 19 Mar 2020 15:00

Tgt Ion: 43 Resp: 3120
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#

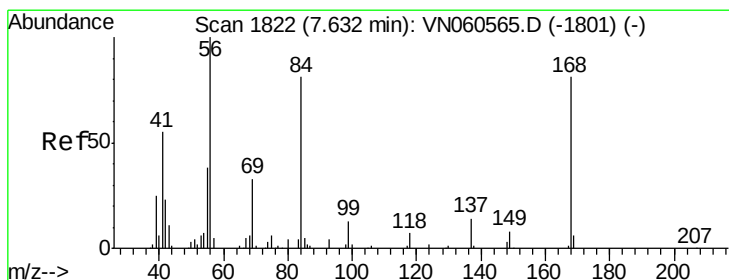
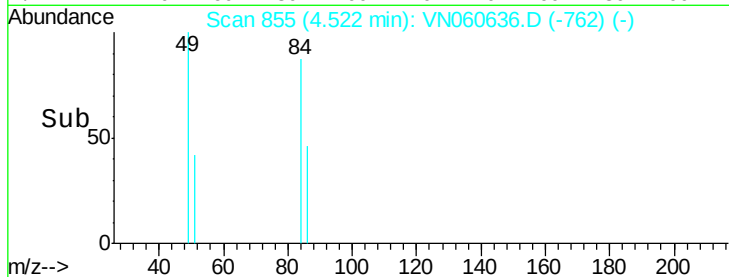
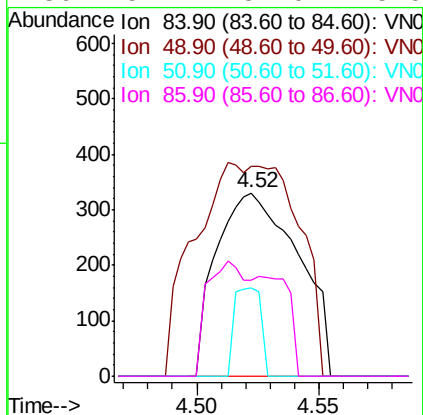
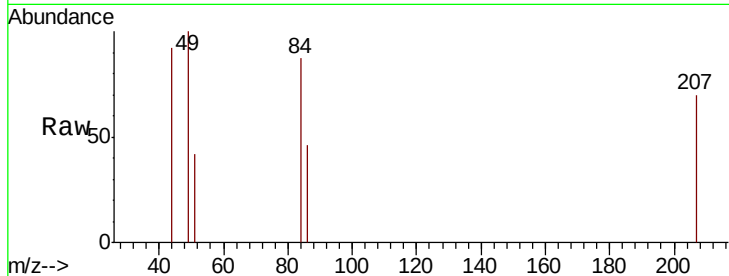




#20
Methvlene Chloride
Concen: 0.327 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060636.D
Acq: 19 Mar 2020 15:00

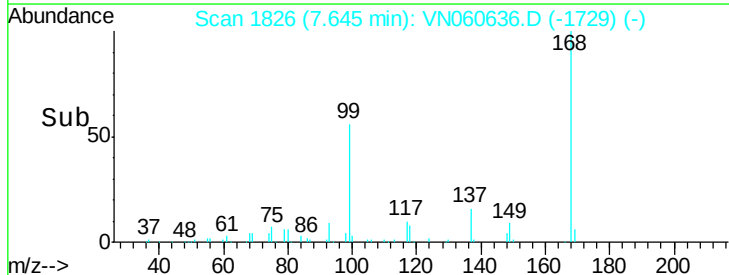
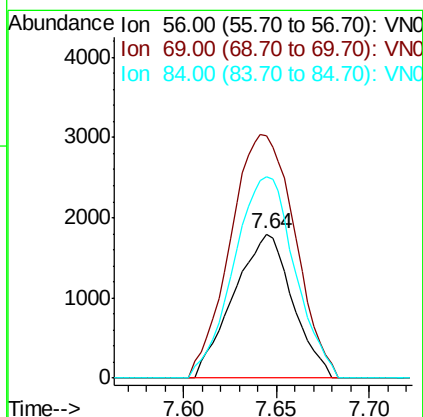
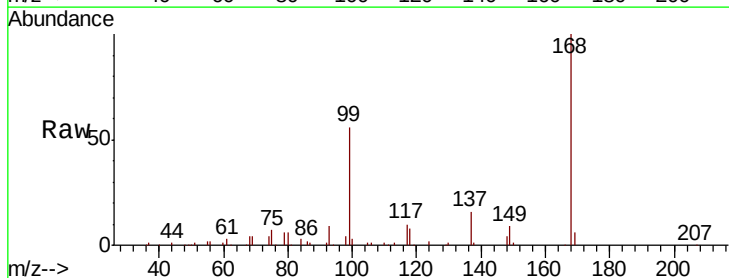
Instrument :
MSVOA_N
ClientSampled :

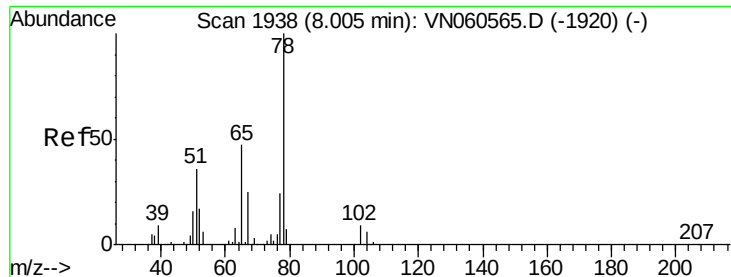
Tot Ion:	84	Resp:	767
Ion	Ratio	Lower	Upper
84	100		
49	114.8	103.3	154.9
51	48.5	31.6	47.4#
86	52.4	52.0	78.0



#31
Cyclohexane
Concen: 0.920 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN060636.D
Acq: 19 Mar 2020 15:00

Tgt Ion:	56	Resp:	3987
Ion	Ratio	Lower	Upper
56	100		
69	168.4	26.6	40.0#
84	139.5	64.3	96.5#

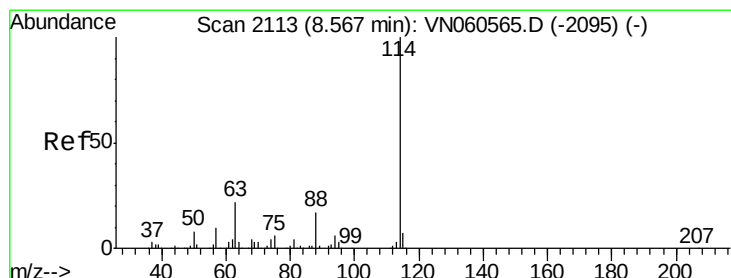
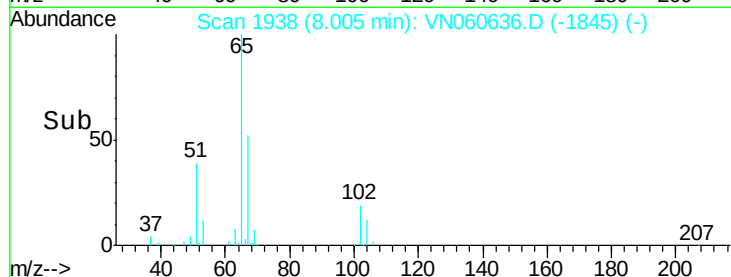
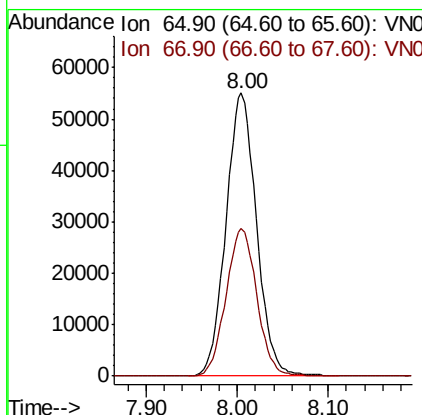
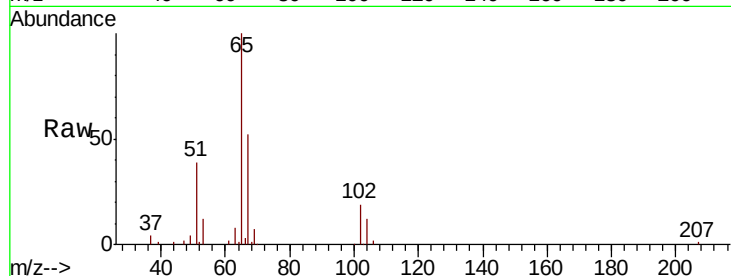




#33
 1,2-Dichloroethane-d4
 Concen: 47.661 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060636.D
 Acq: 19 Mar 2020 15:00

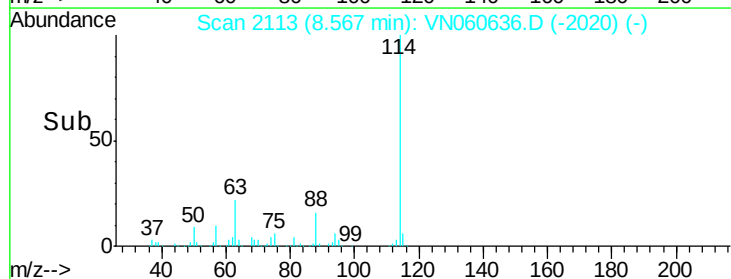
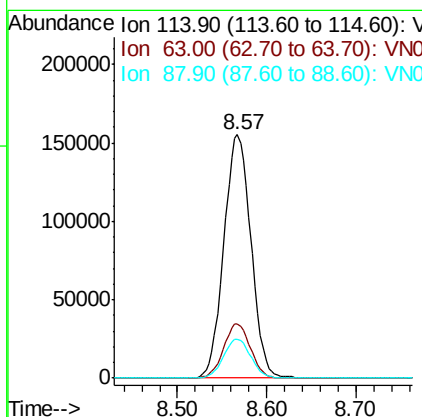
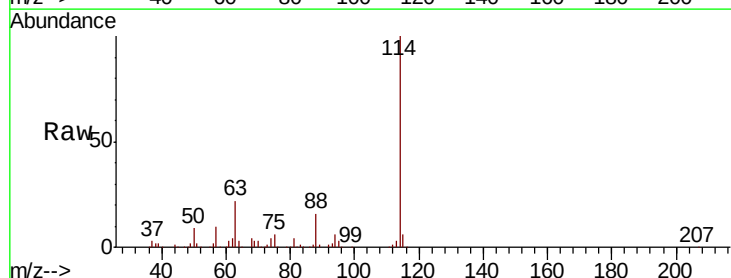
Instrument :
 MSVOA_N
 ClientSampleId :

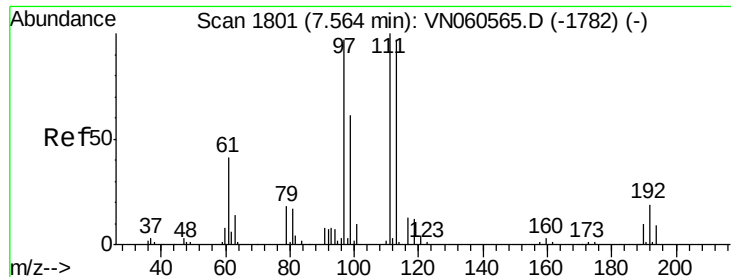
Tot Ion: 65 Resp: 128239
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060636.D
 Acq: 19 Mar 2020 15:00

Tgt Ion: 114 Resp: 326930
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.8
 88 16.1 0.0 33.0

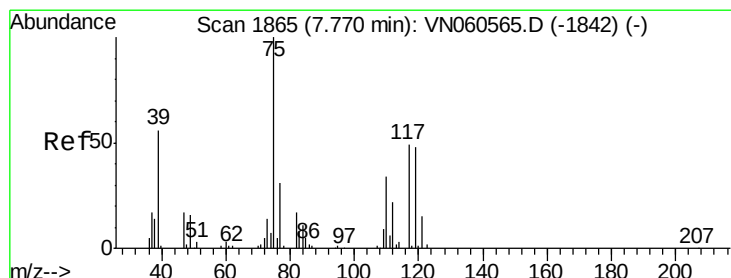
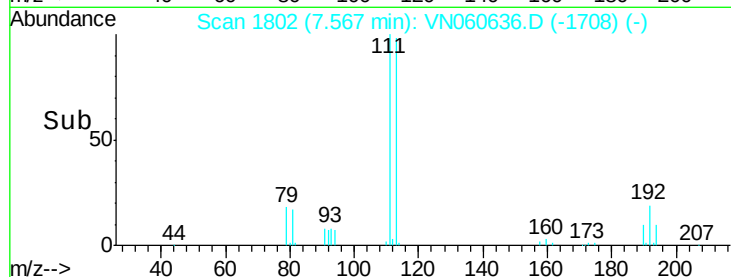
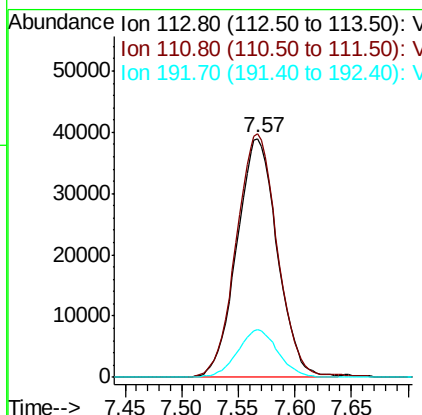
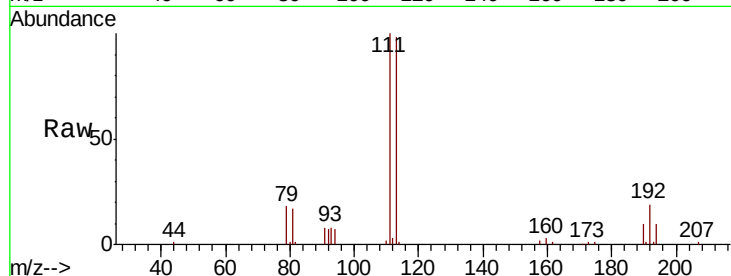




#35
 Dibromofluoromethane
 Concen: 49.124 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060636.D
 Acq: 19 Mar 2020 15:00

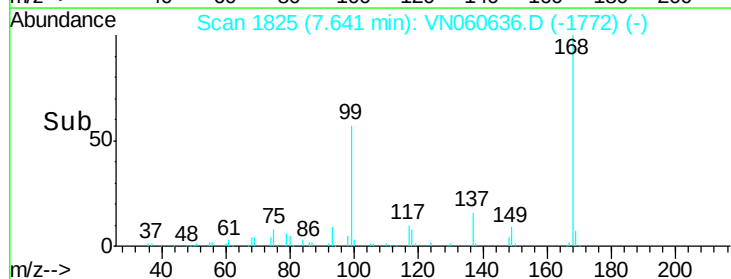
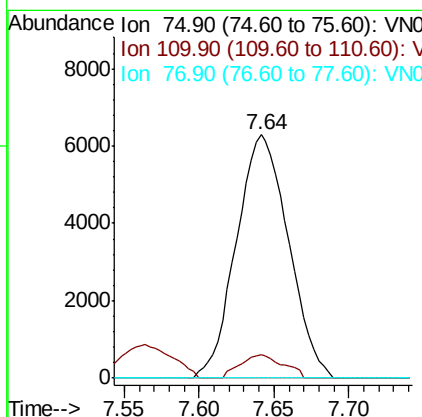
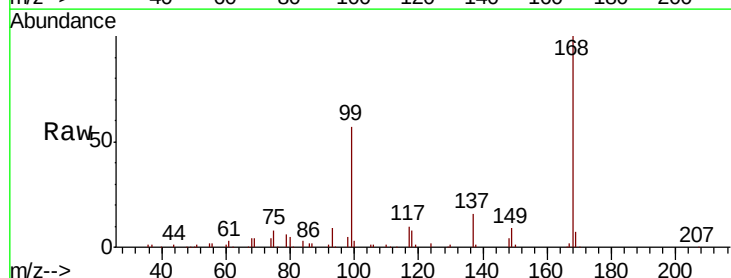
Instrument :
 MSVOA_N
 ClientSampled :

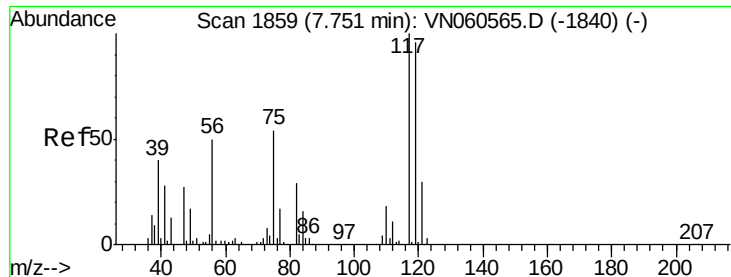
Tot Ion:113 Resp: 97111
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.9 124.3
 192 19.8 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.807 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060636.D
 Acq: 19 Mar 2020 15:00

Tgt Ion: 75 Resp: 15217
 Ion Ratio Lower Upper
 75 100
 110 7.9 16.9 50.6#
 77 0.0 24.6 36.8#

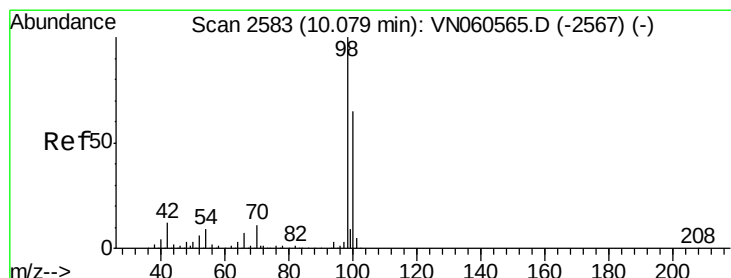
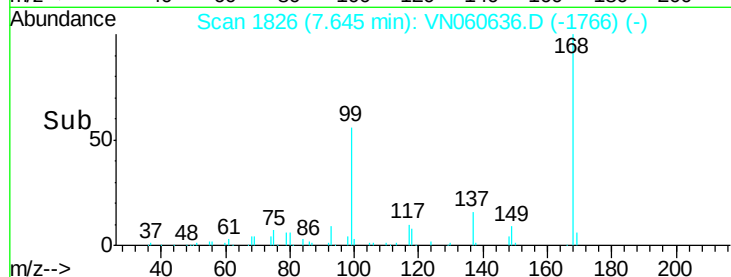
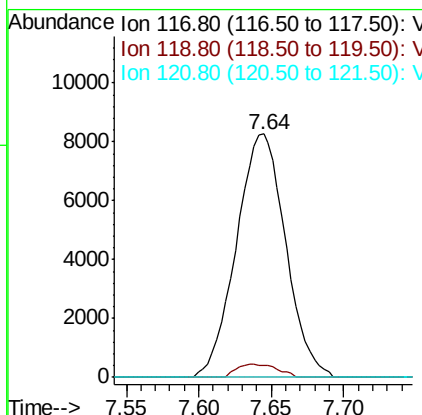
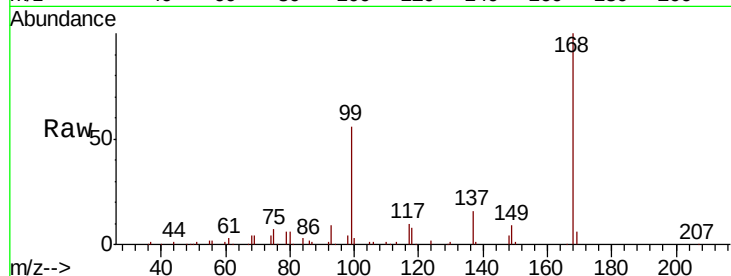




#38
Carbon Tetrachloride
Concen: 6.869 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060636.D
Acq: 19 Mar 2020 15:00

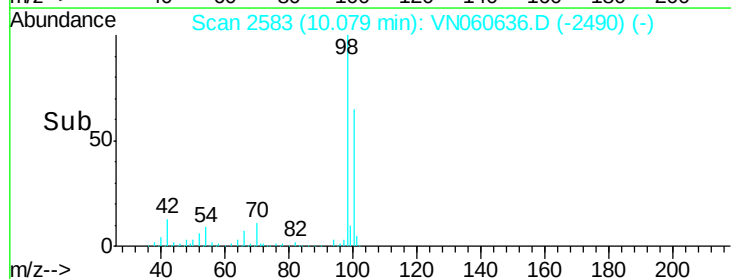
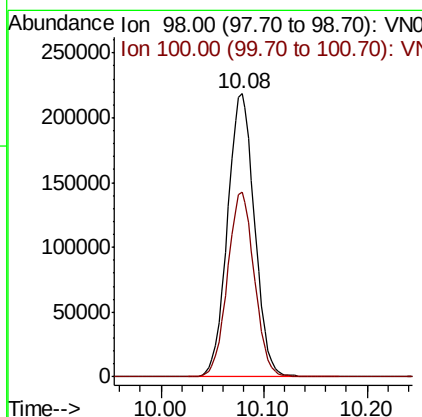
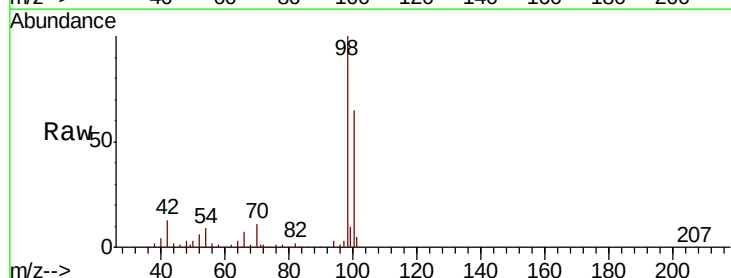
Instrument :
MSVOA_N
ClientSampleId :

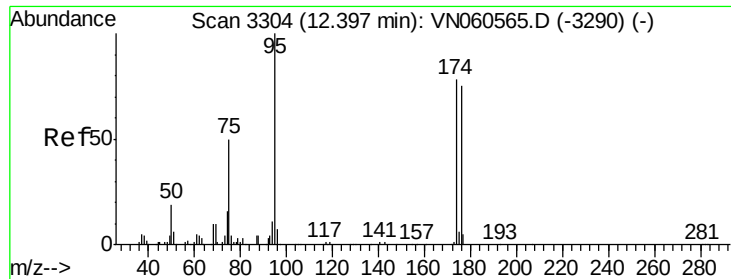
Tot Ion:117 Resp: 19489
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.2#
121 0.0 23.7 35.5#



#50
Toluene-d8
Concen: 49.455 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060636.D
Acq: 19 Mar 2020 15:00

Tgt Ion: 98 Resp: 399329
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.8





#62

4-Bromofluorobenzene

Concen: 50.709 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060636.D

Acq: 19 Mar 2020 15:00

Instrument :

MSVOA_N

ClientSampleId :

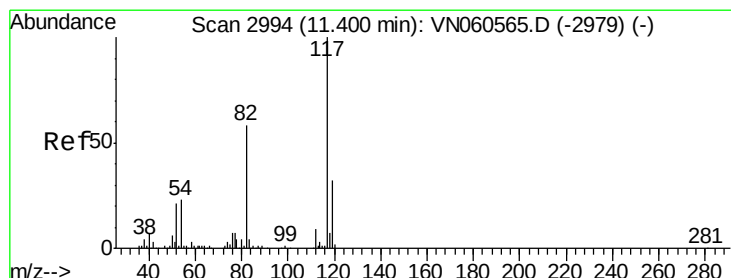
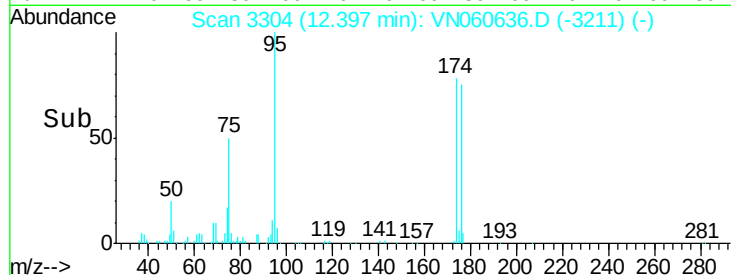
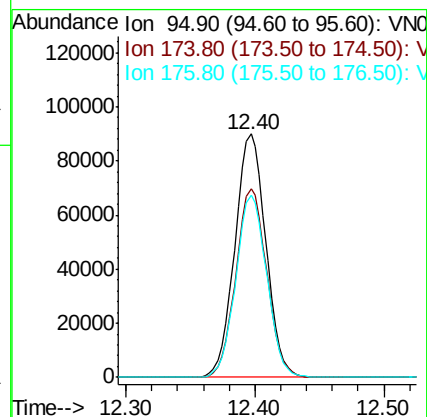
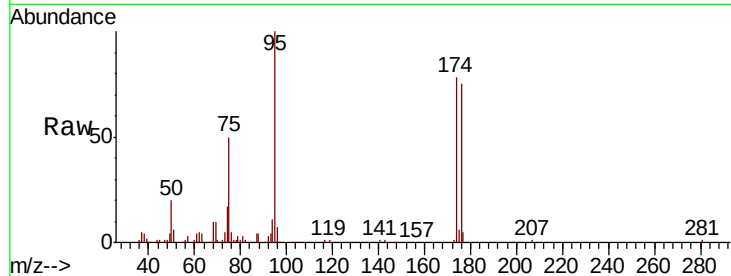
Tot Ion: 95 Resp: 150061

Ion Ratio Lower Upper

95 100

174 77.5 0.0 157.6

176 75.0 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: VN060636.D

Acq: 19 Mar 2020 15:00

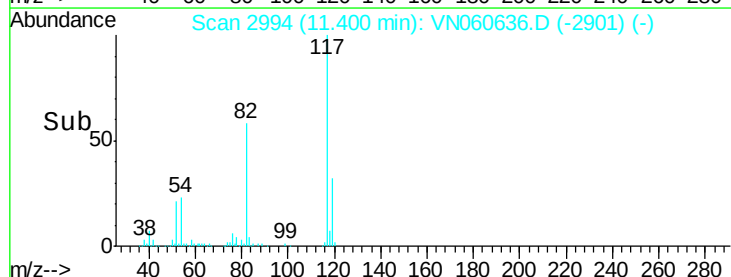
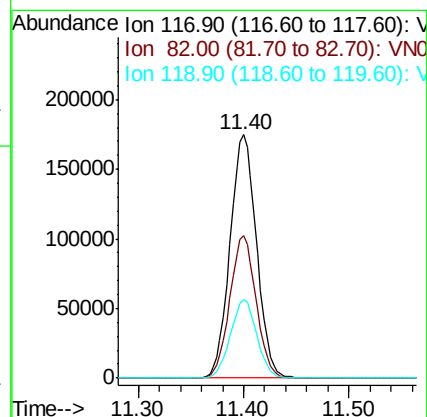
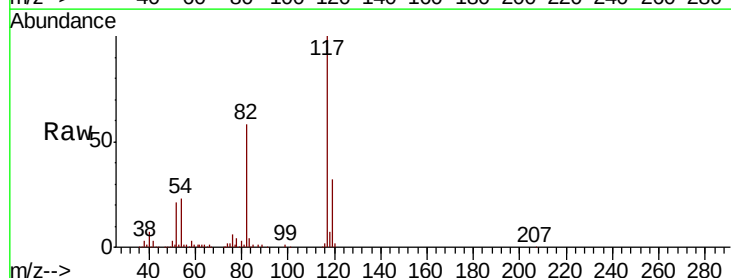
Tgt Ion: 117 Resp: 303252

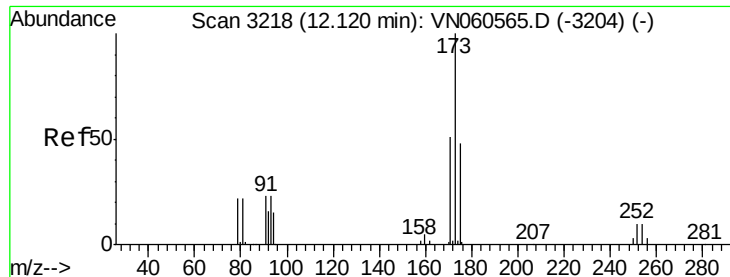
Ion Ratio Lower Upper

117 100

82 58.4 46.7 70.1

119 32.2 25.5 38.3





#71

Bromoform

Concen: 1.968 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN060636.D

Acq: 19 Mar 2020 15:00

Instrument :

MSVOA_N

ClientSampleId :

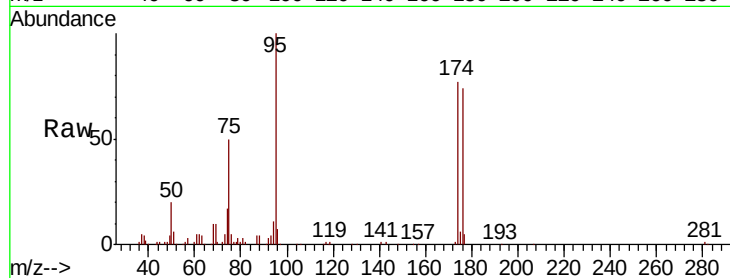
Tot Ion:173 Resp: 538

Ion Ratio Lower Upper

173 100

175 1316.4 24.1 72.4#

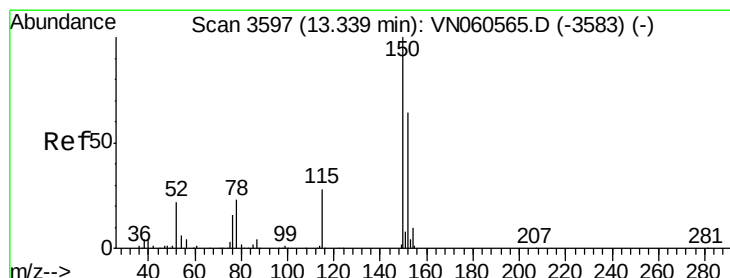
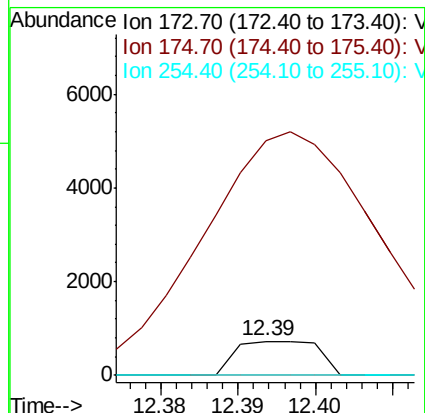
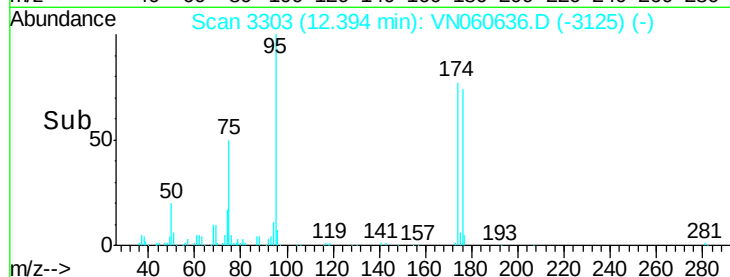
254 0.0 0.0 0.0



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: VN060636.D

Acq: 19 Mar 2020 15:00

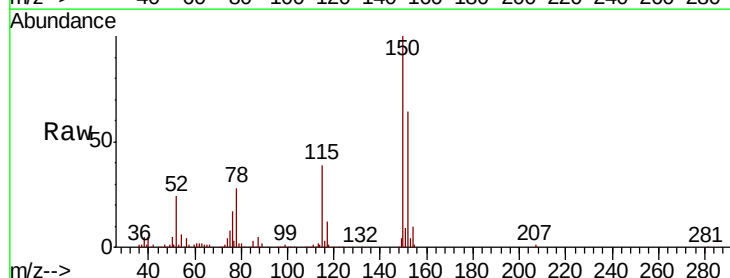
Tgt Ion:152 Resp: 136544

Ion Ratio Lower Upper

152 100

115 60.4 30.2 90.6

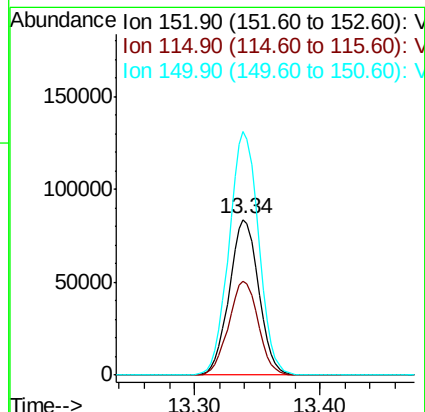
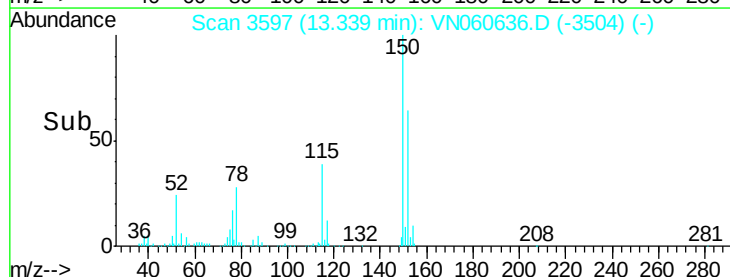
150 157.4 0.0 350.2

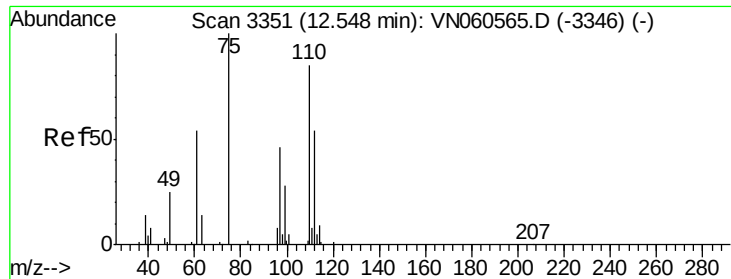


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.215 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060636.D

Acq: 19 Mar 2020 15:00

Instrument :

MSVOA_N

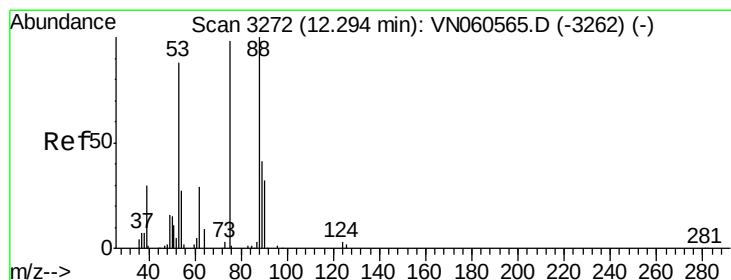
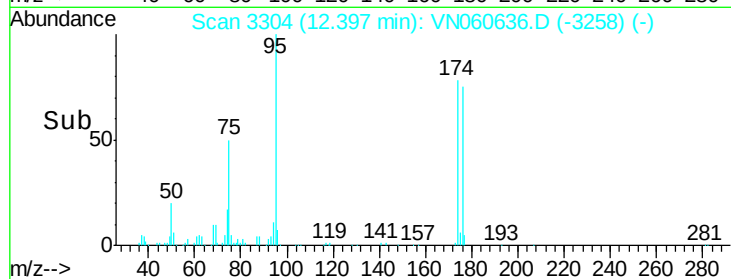
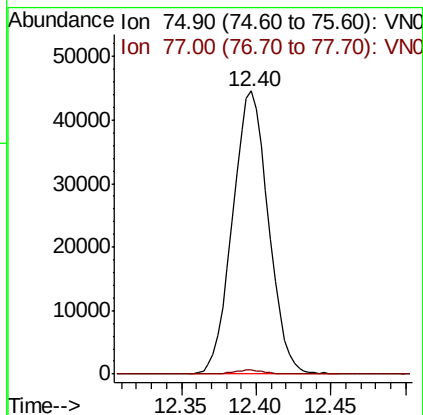
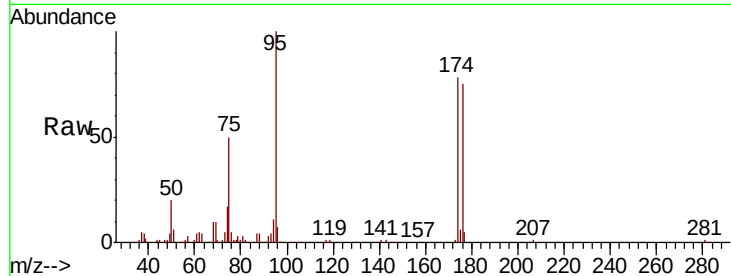
ClientSampleId :

Tot Ion: 75 Resp: 74293

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.761 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060636.D

Acq: 19 Mar 2020 15:00

Tgt Ion: 75 Resp: 74293

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

