

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056204.D
 Acq On : 11 Jun 2019 6:51
 Operator : JC/SP
 Sample : K3255-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 11 09:03:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	308700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	465142	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	457122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140021	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	162673	53.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.14%	
35) Dibromofluoromethane	7.59	113	151440	53.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.14%	
50) Toluene-d8	10.09	98	593926	54.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.16%	
62) 4-Bromofluorobenzene	12.40	95	186382	49.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.82%	

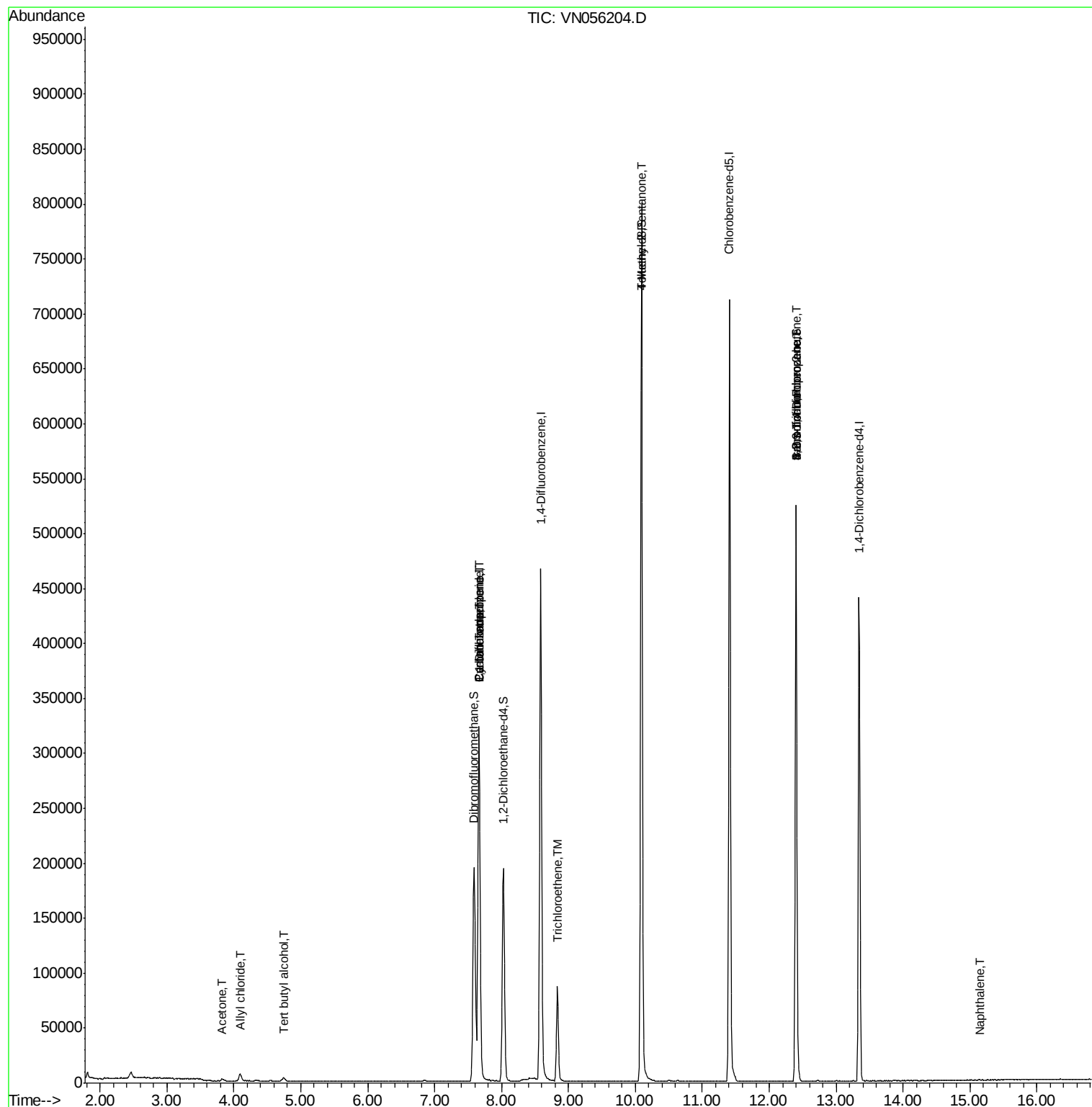
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	2966	5.561	ug/l #	74
14) Allyl chloride	4.09	41	1059	0.259	ug/l #	70
16) Acetone	3.82	43	3298	2.250	ug/l	94
18) Methyl Acetate	4.34	43	1569	Below Cal	#	51
31) Cyclohexane	7.66	56	4072	0.837	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	17996	4.499	ug/l #	47
38) Carbon Tetrachloride	7.66	117	25399	6.888	ug/l #	15
44) Trichloroethene	8.83	130	35112	10.059	ug/l	96
51) 4-Methyl-2-Pentanone	10.09	43	2239	0.621	ug/l #	1
71) Bromoform	12.40	173	1377	3.236	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	85666	33.250	ug/l #	100
79) 2-Chlorotoluene	12.41	91	470	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	85666	110.728	ug/l #	15
95) Naphthalene	15.14	128	628	3.938	ug/l #	69

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

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Instrument :
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ClientSampleId :

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056204.D

Acq: 11 Jun 2019 6:51

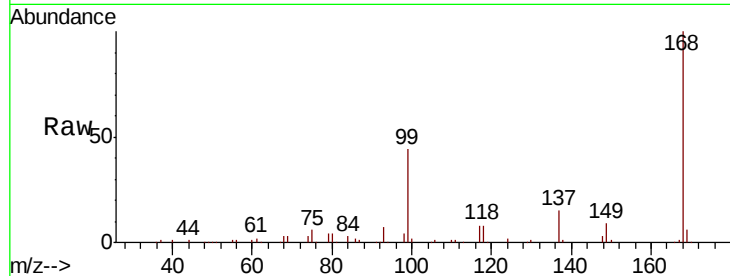
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 308700

Ion Ratio Lower Upper

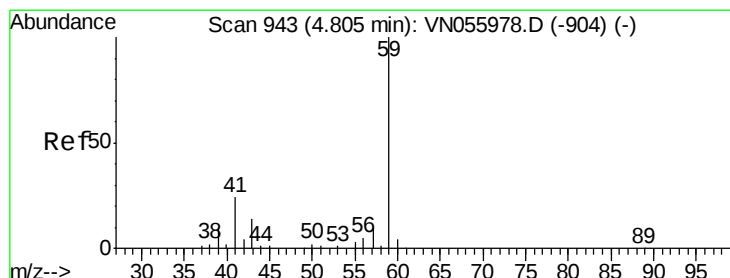
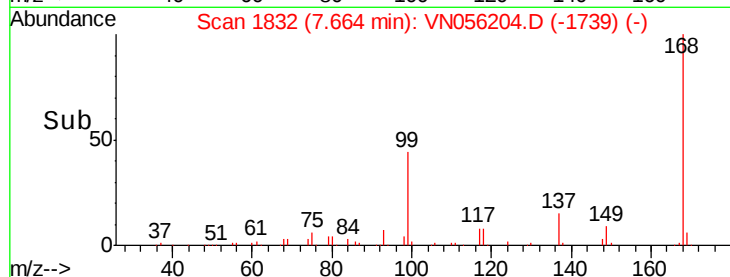
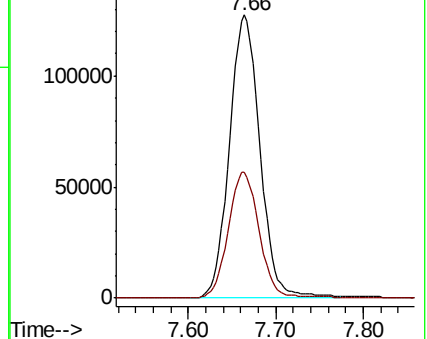
168 100

99 44.3 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 5.561 ug/l

RT: 4.74 min Scan# 922

Delta R.T. -0.07 min

Lab File: VN056204.D

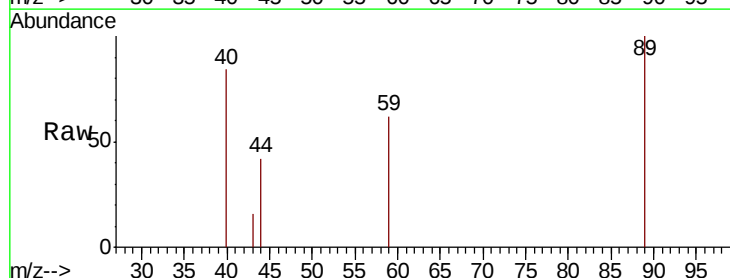
Acq: 11 Jun 2019 6:51

Tgt Ion: 59 Resp: 2966

Ion Ratio Lower Upper

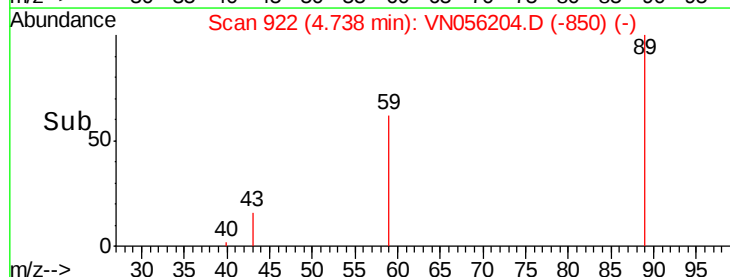
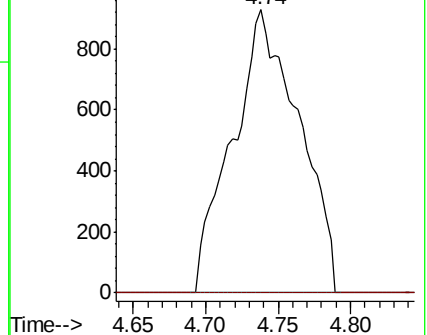
59 100

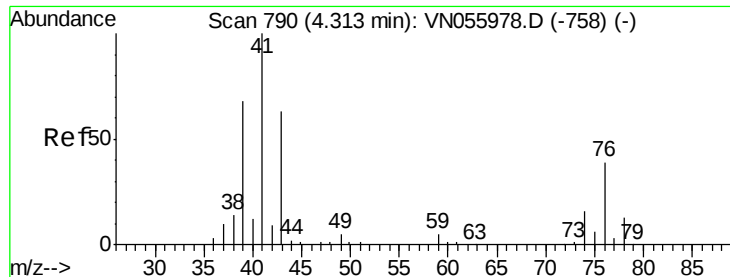
57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

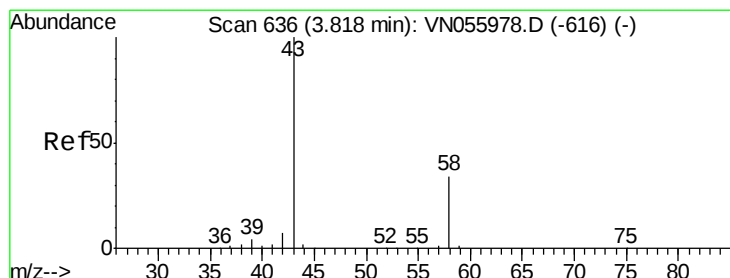
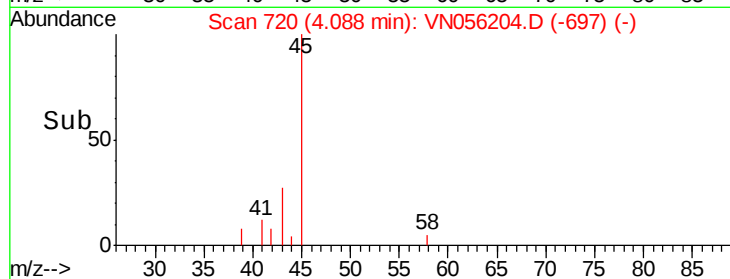
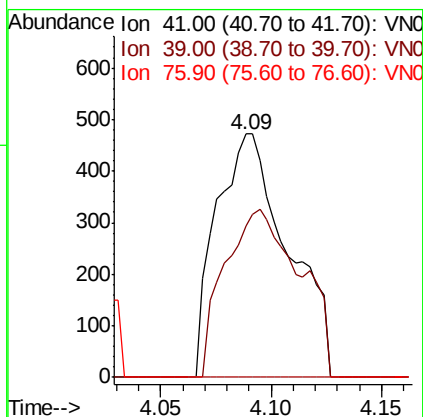
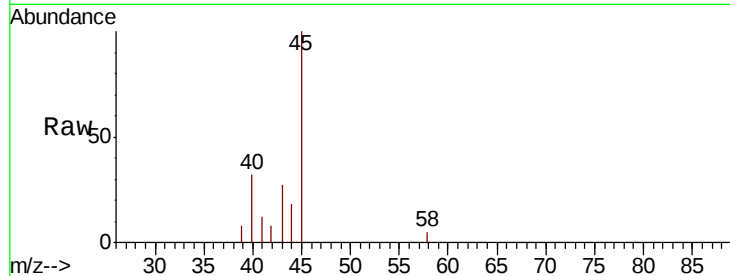




#14
Allvl chloride
Concen: 0.259 ug/l
RT: 4.09 min Scan# 720
Delta R.T. -0.22 min
Lab File: VN056204.D
Acq: 11 Jun 2019 6:51

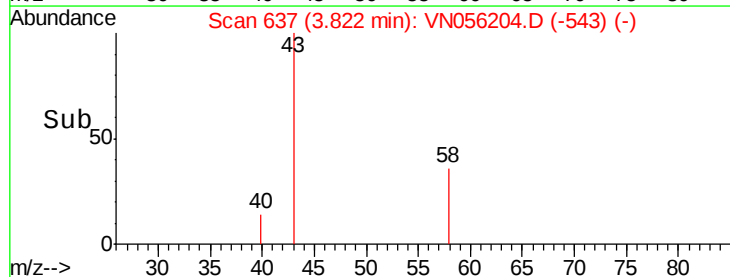
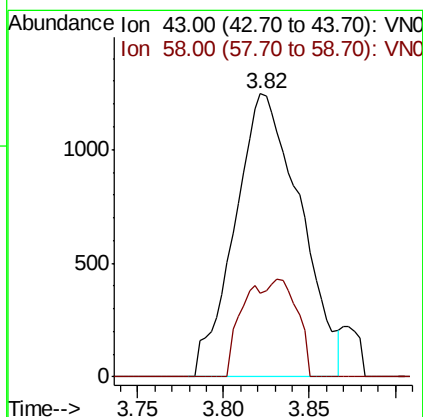
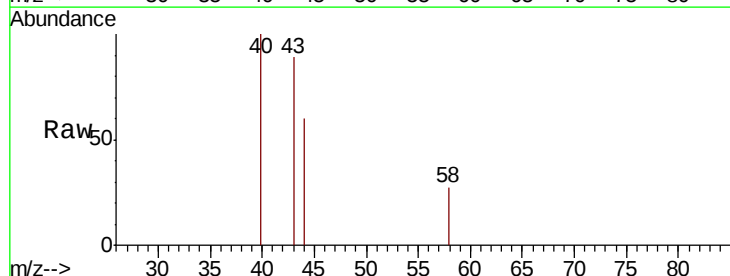
Instrument :
MSVOA_N
ClientSampled :

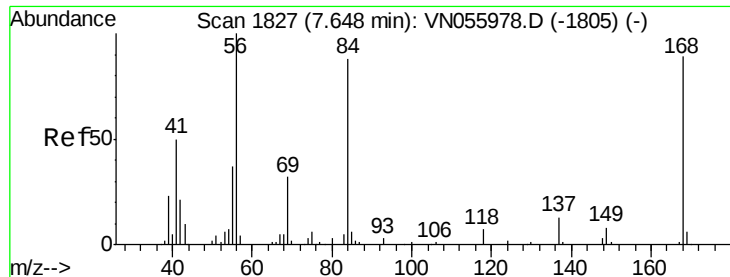
Tot Ion: 41 Resp: 1059
Ion Ratio Lower Upper
41 100
39 72.8 50.0 75.0
76 0.0 28.2 42.2#



#16
Acetone
Concen: 2.250 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN056204.D
Acq: 11 Jun 2019 6:51

Tgt Ion: 43 Resp: 3298
Ion Ratio Lower Upper
43 100
58 29.8 26.6 39.8

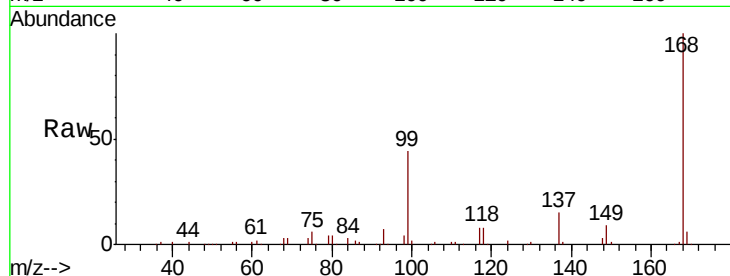




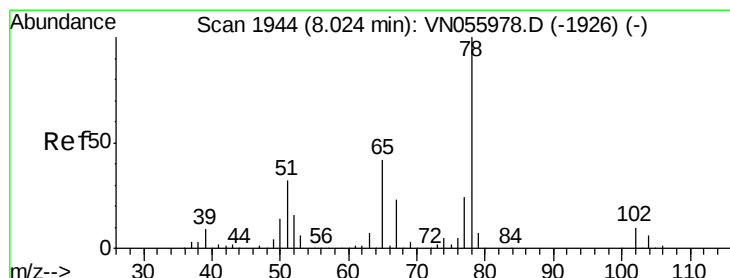
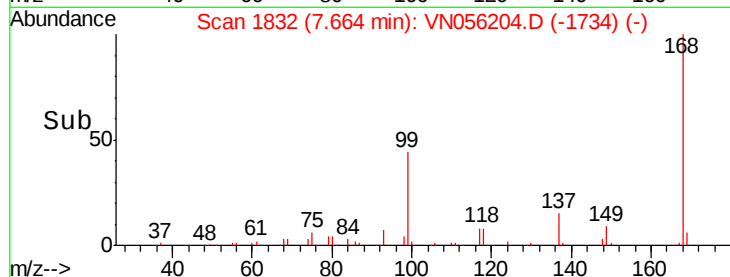
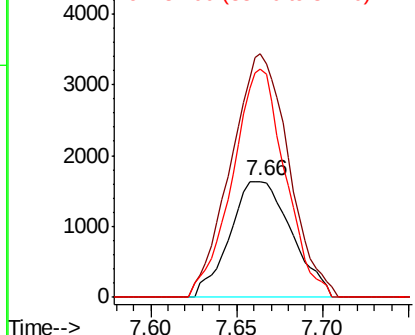
#31
Cyclohexane
Concen: 0.837 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN056204.D
Acq: 11 Jun 2019 6:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 4072
Ion Ratio Lower Upper
56 100
69 210.5 25.6 38.4#
84 197.1 67.4 101.0#

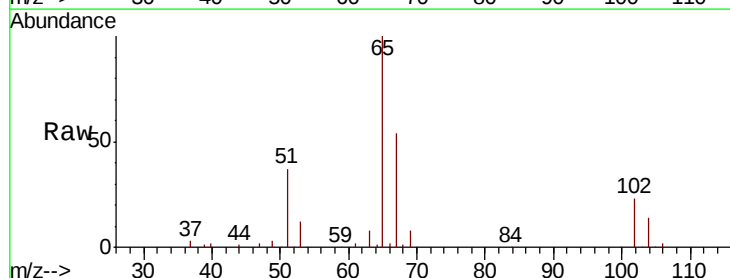


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

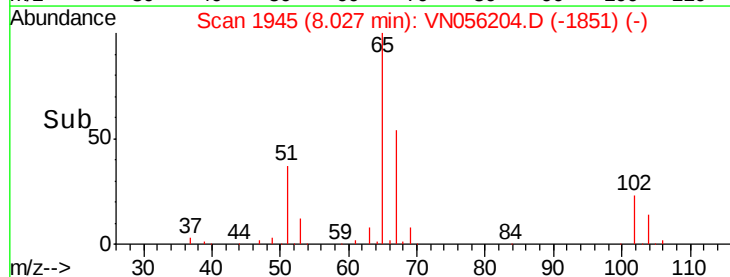
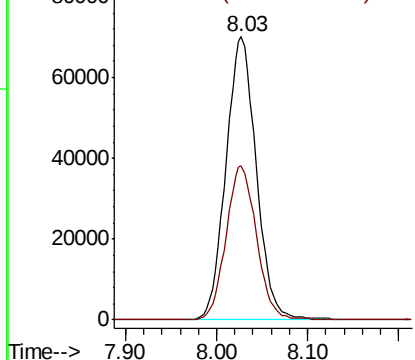


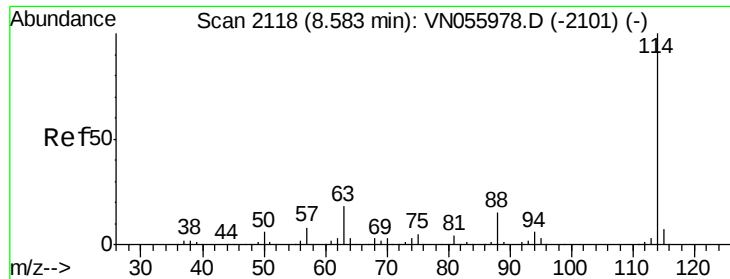
#33
1,2-Dichloroethane-d4
Concen: 53.072 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056204.D
Acq: 11 Jun 2019 6:51

Tgt Ion: 65 Resp: 162673
Ion Ratio Lower Upper
65 100
67 54.7 0.0 109.2



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

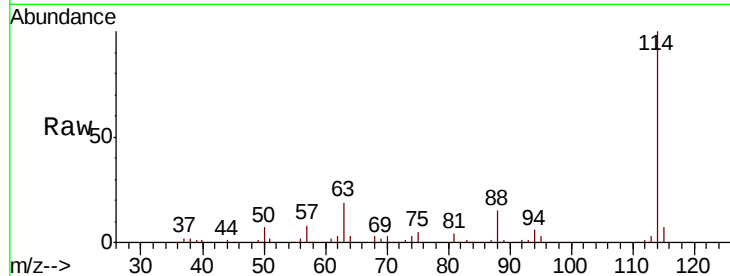




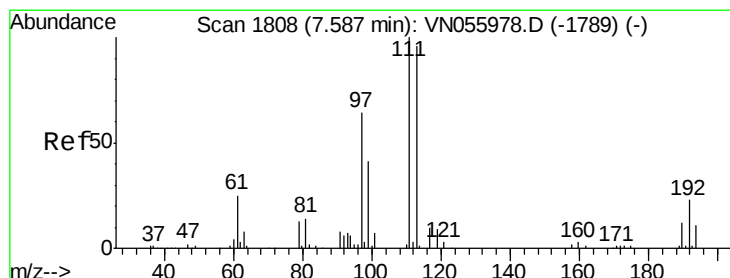
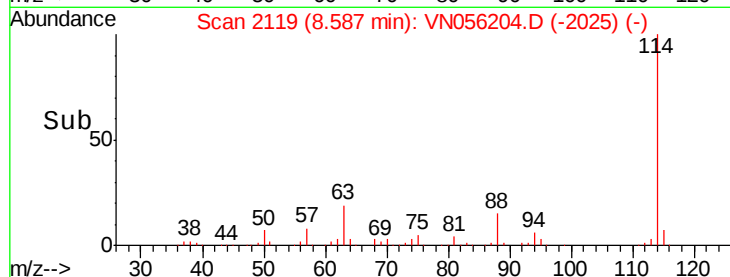
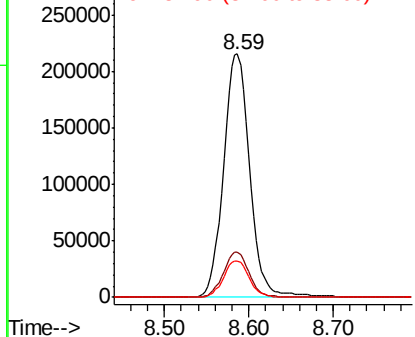
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056204.D
 Acq: 11 Jun 2019 6:51

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 465142
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.2
 88 15.0 0.0 31.0

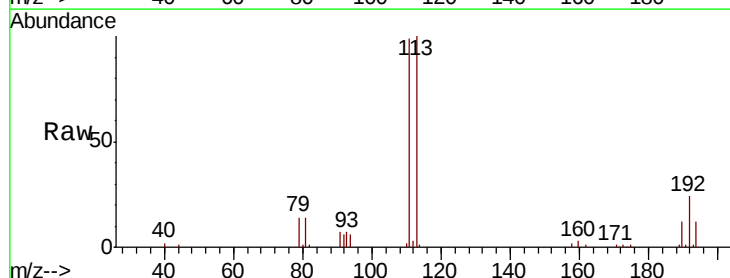


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

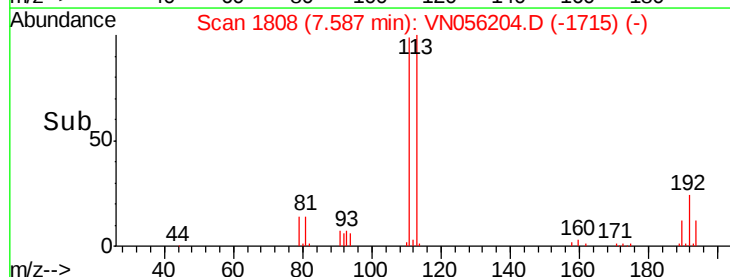
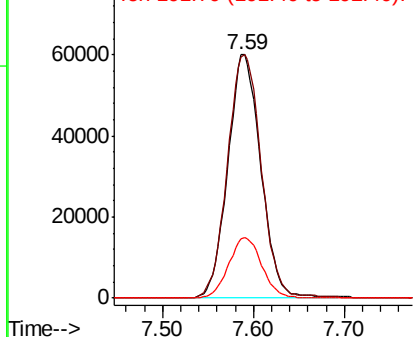


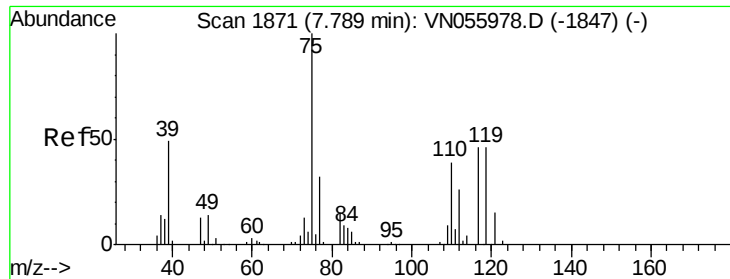
#35
 Dibromofluoromethane
 Concen: 53.066 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN056204.D
 Acq: 11 Jun 2019 6:51

Tgt Ion:113 Resp: 151440
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.9 122.9
 192 24.9 19.5 29.3



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

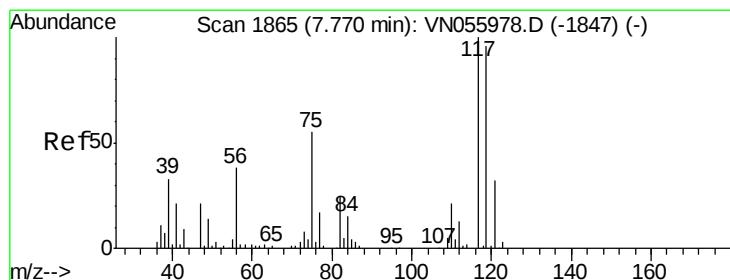
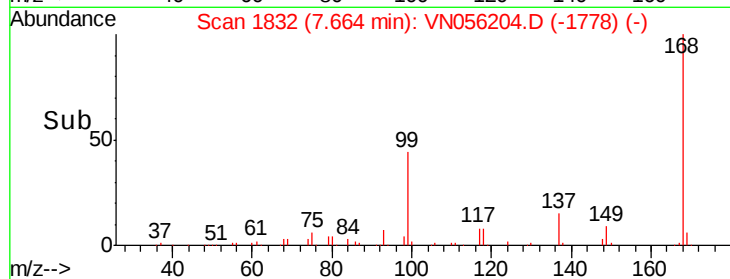
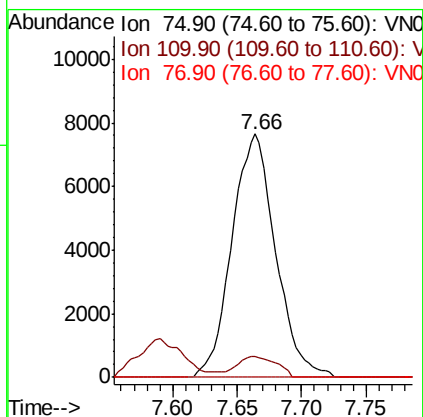
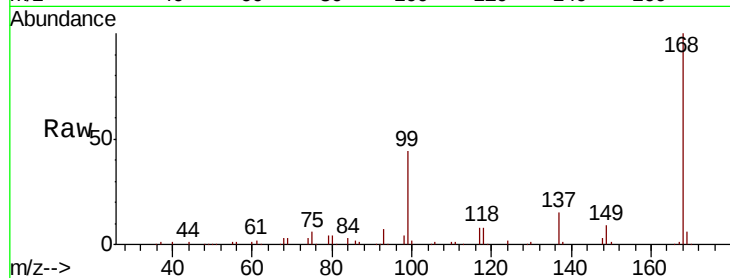




#36
 1,1-Dichloropropene
 Concen: 4.499 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056204.D
 Acq: 11 Jun 2019 6:51

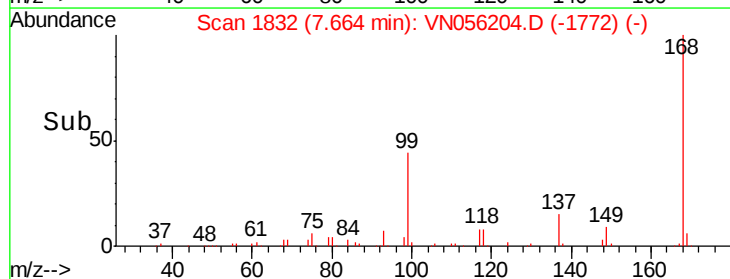
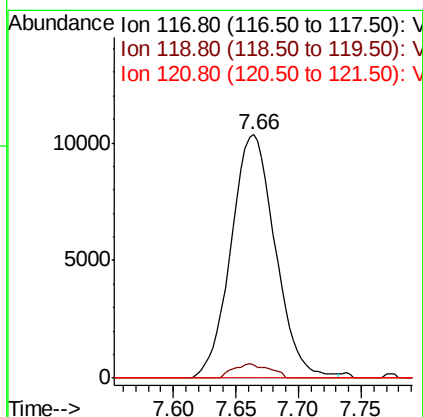
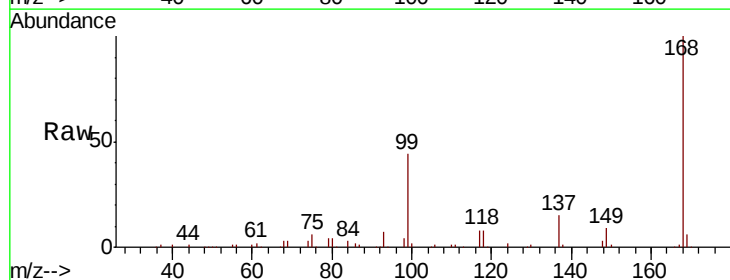
Instrument :
 MSVOA_N
 ClientSampled :

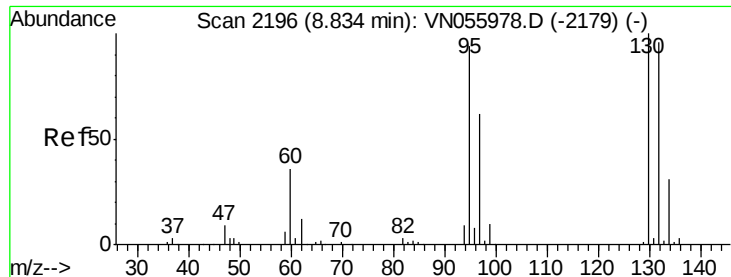
Tot Ion	75	Resp	17996
Ion Ratio	Lower	Upper	
75	100		
110	7.7	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.888 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056204.D
 Acq: 11 Jun 2019 6:51

Tgt Ion	117	Resp	25399
Ion Ratio	Lower	Upper	
117	100		
119	5.4	79.0	118.6#
121	0.0	24.7	37.1#





#44

Trichloroethene

Concen: 10.059 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056204.D

Acq: 11 Jun 2019 6:51

Instrument :

MSVOA_N

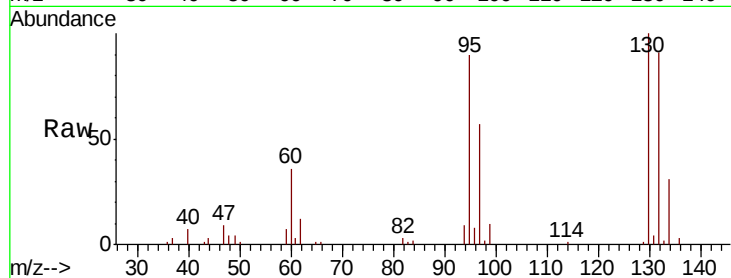
ClientSampleId :

Tot Ion:130 Resp: 35112

Ion Ratio Lower Upper

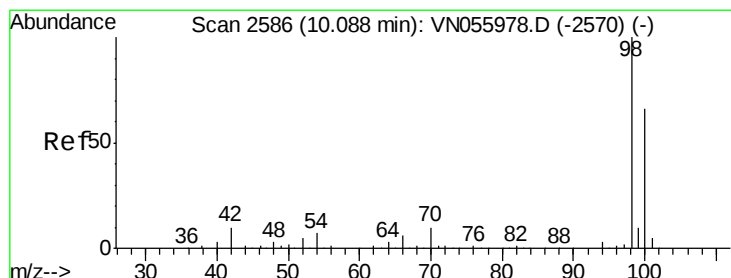
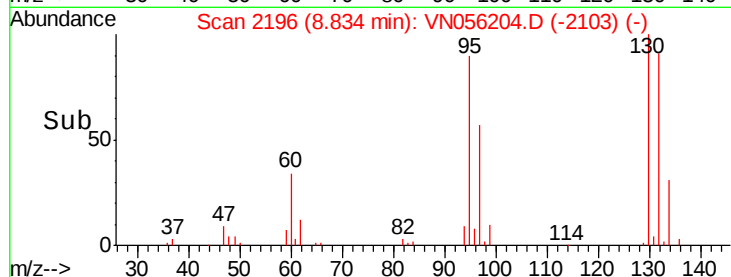
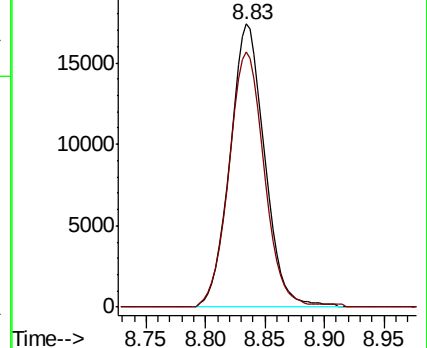
130 100

95 90.2 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#50

Toluene-d8

Concen: 54.085 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056204.D

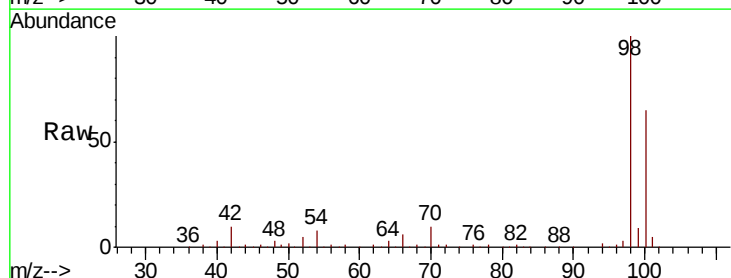
Acq: 11 Jun 2019 6:51

Tgt Ion: 98 Resp: 593926

Ion Ratio Lower Upper

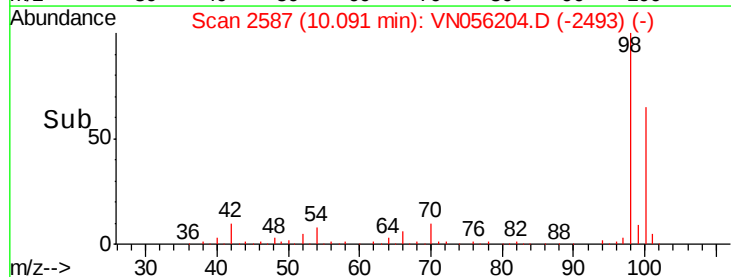
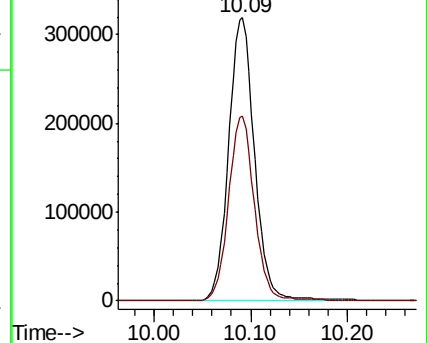
98 100

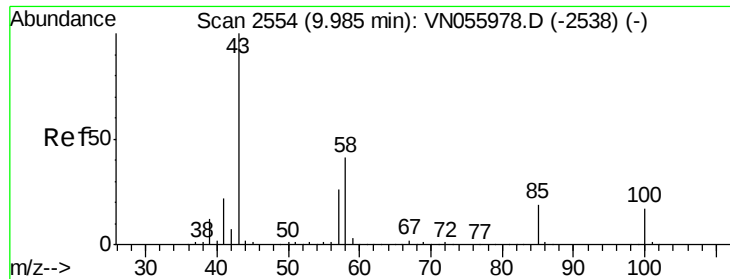
100 65.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.621 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.10 min

Lab File: VN056204.D

Acq: 11 Jun 2019 6:51

Instrument :

MSVOA_N

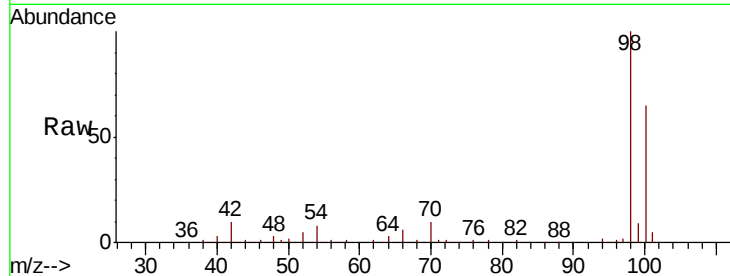
ClientSampled :

Tot Ion: 43 Resp: 2239

Ion Ratio Lower Upper

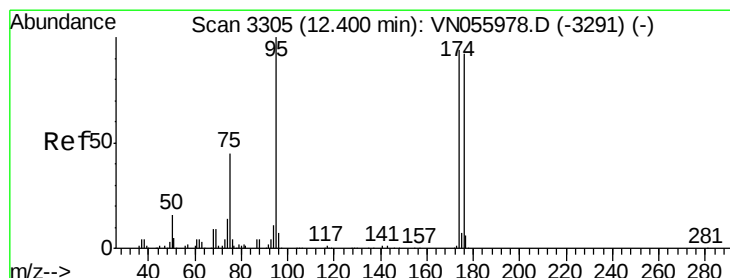
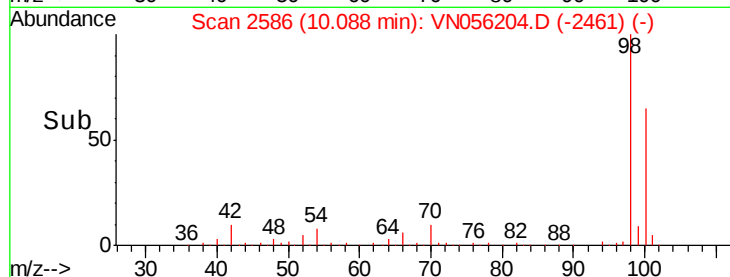
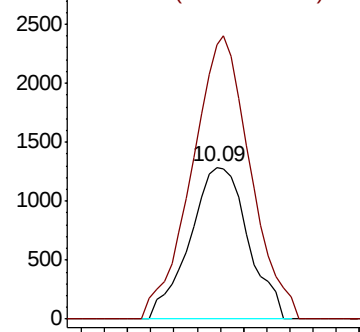
43 100

58 187.1 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 49.908 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056204.D

Acq: 11 Jun 2019 6:51

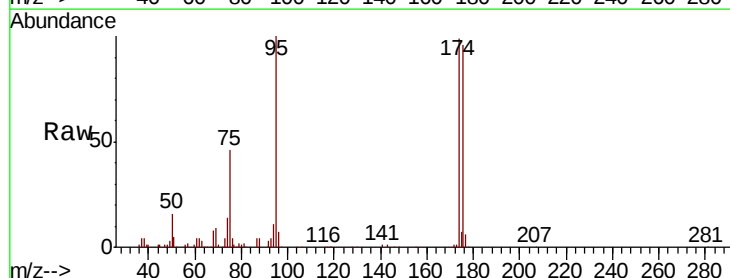
Tgt Ion: 95 Resp: 186382

Ion Ratio Lower Upper

95 100

174 99.2 0.0 191.0

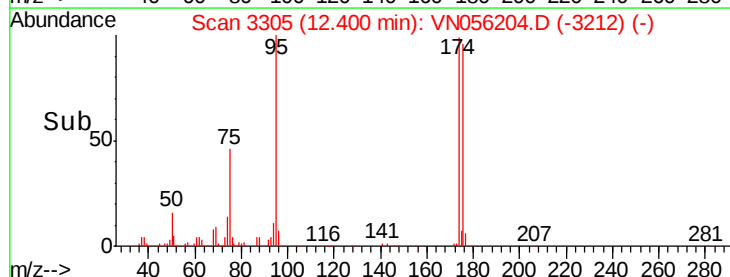
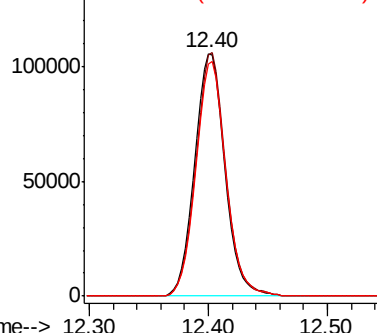
176 95.9 0.0 185.2

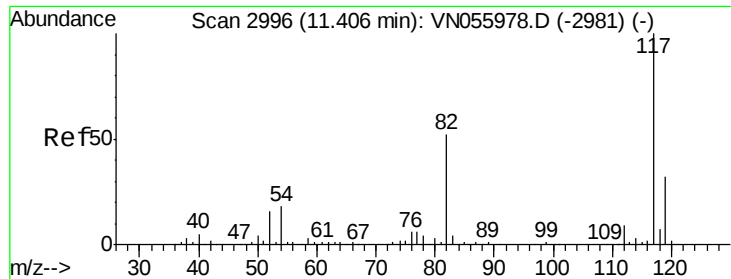


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056204.D

Acq: 11 Jun 2019 6:51

Instrument :

MSVOA_N

ClientSampleId :

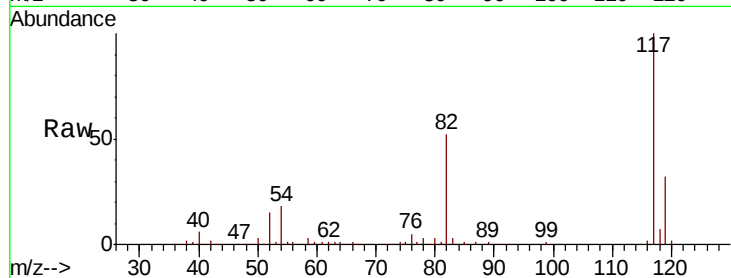
Tot Ion:117 Resp: 457122

Ion Ratio Lower Upper

117 100

82 51.8 41.8 62.8

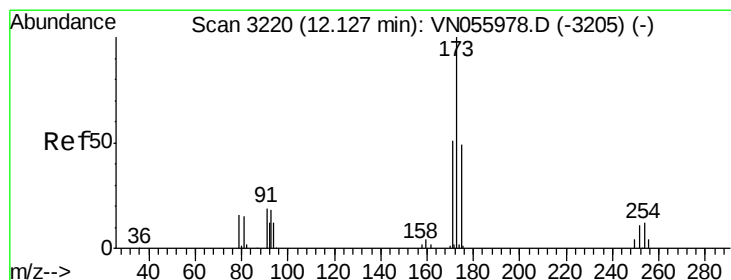
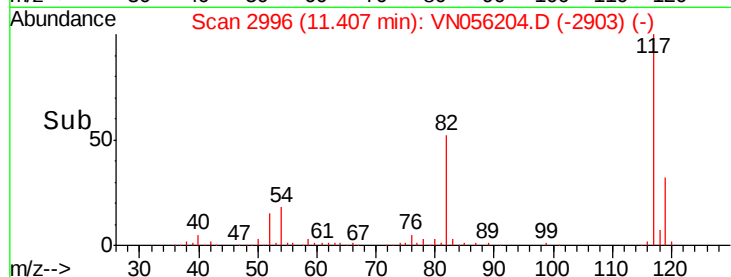
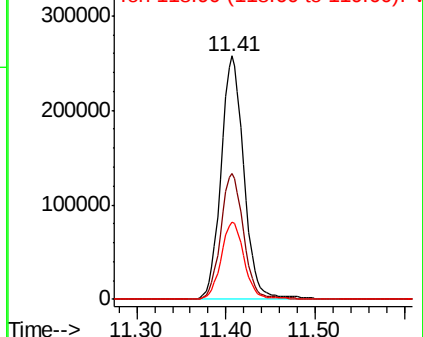
119 31.8 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 3.236 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN056204.D

Acq: 11 Jun 2019 6:51

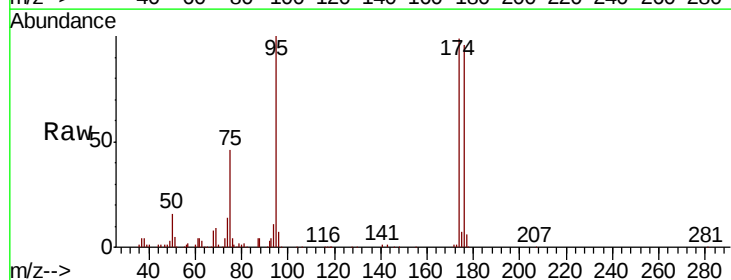
Tgt Ion:173 Resp: 1377

Ion Ratio Lower Upper

173 100

175 831.0 24.3 72.8#

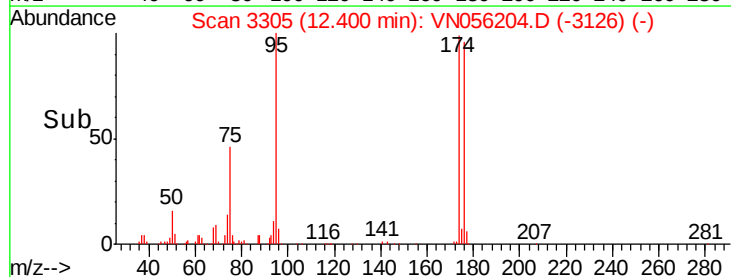
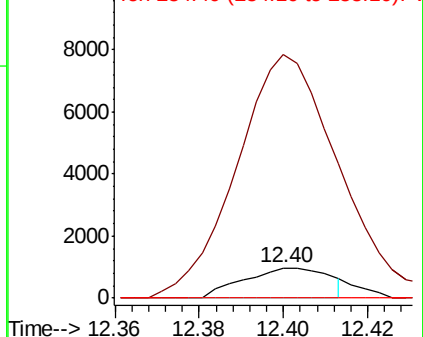
254 0.0 0.0 0.0

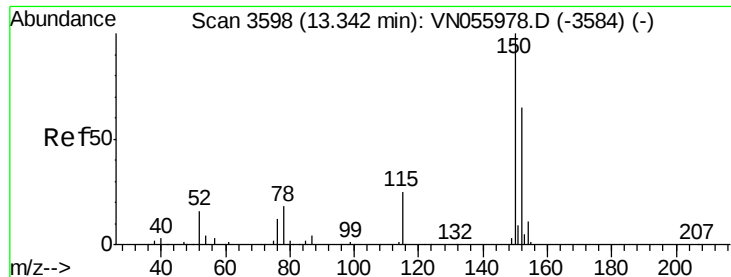


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



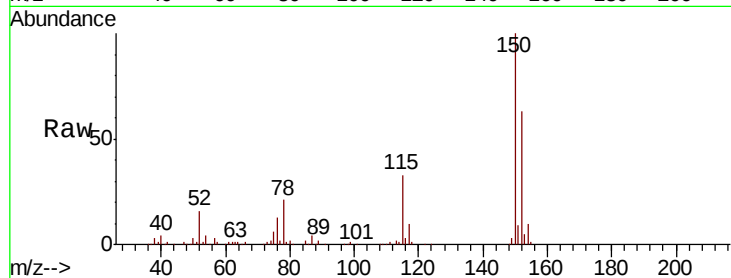


#72

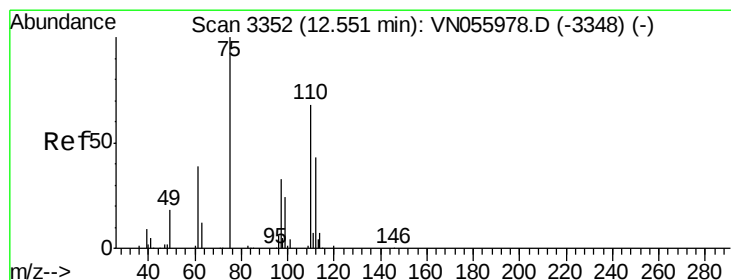
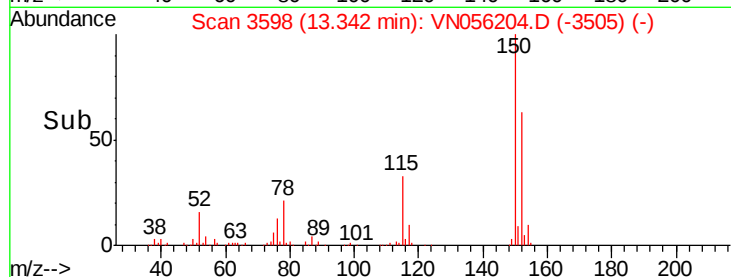
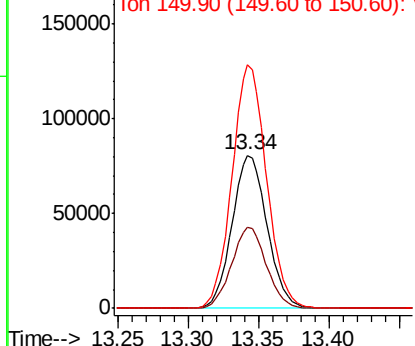
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056204.D
Acq: 11 Jun 2019 6:51

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	52.4	27.0	81.0
150	157.3	0.0	343.2



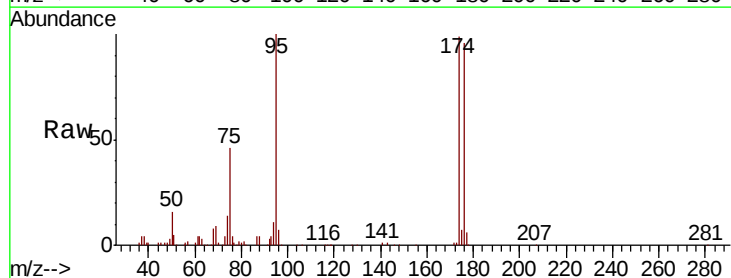
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



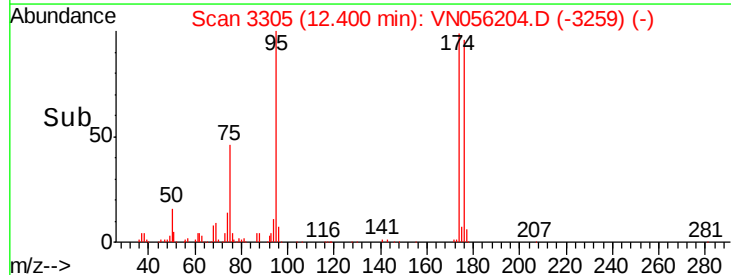
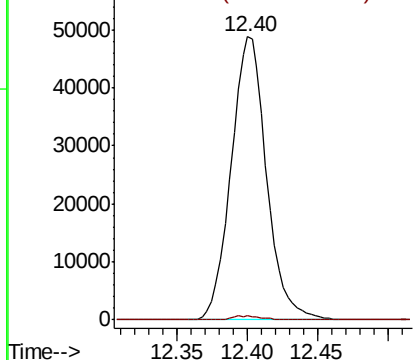
#76

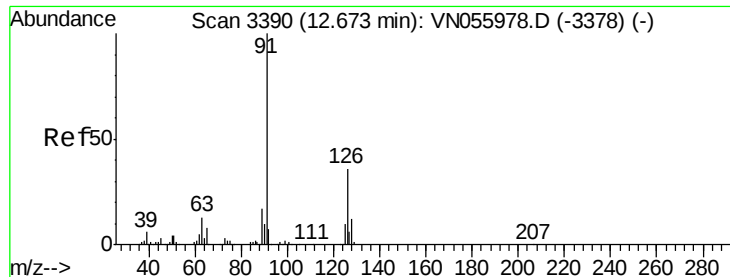
1,2,3-Trichloropropane
Concen: 33.250 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN056204.D
Acq: 11 Jun 2019 6:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.41 min Scan# 3307

Delta R.T. -0.27 min

Lab File: VN056204.D

Acq: 11 Jun 2019 6:51

Instrument :

MSVOA_N

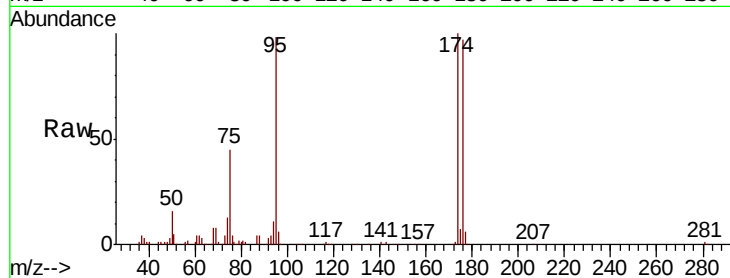
ClientSampleId :

Tot Ion: 91 Resp: 470

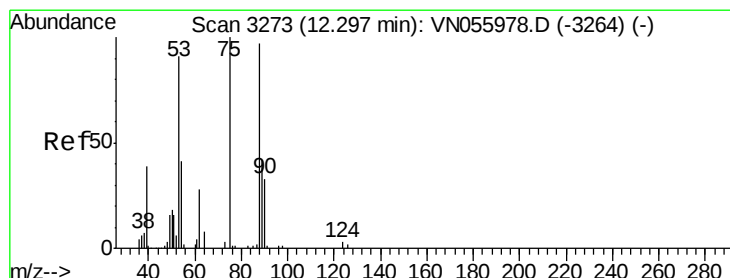
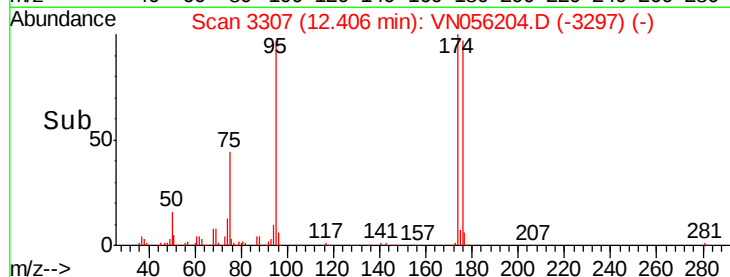
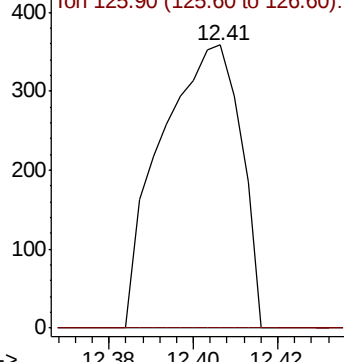
Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 110.728 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056204.D

Acq: 11 Jun 2019 6:51

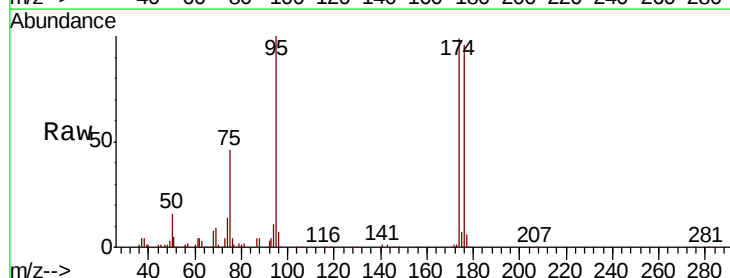
Tgt Ion: 75 Resp: 85666

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

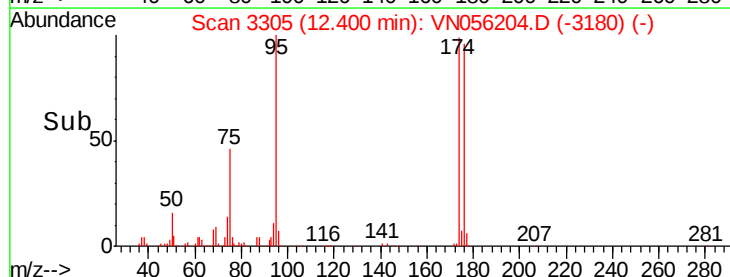
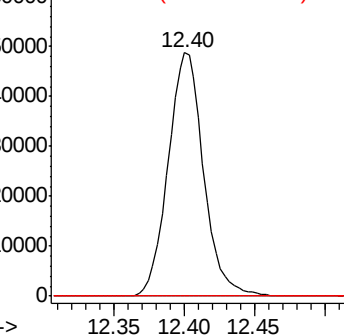
89 0.0 36.9 55.3#

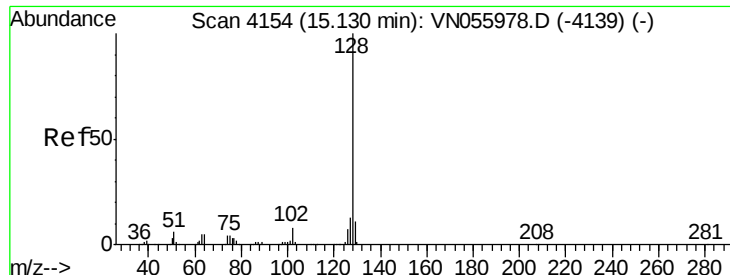


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95

Naphthalene

Concen: 3.938 ug/l

RT: 15.14 min Scan# 4158

Delta R.T. 0.01 min

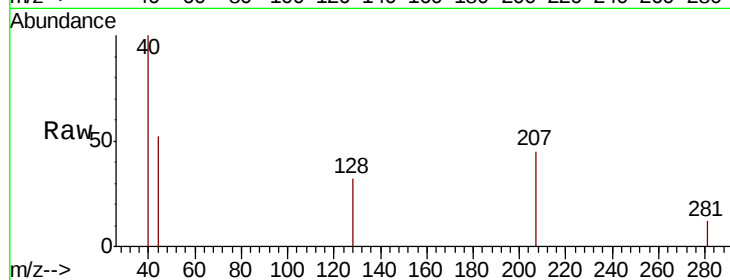
Lab File: VN056204.D

Acq: 11 Jun 2019 6:51

Instrument :

MSVOA_N

ClientSampleId :



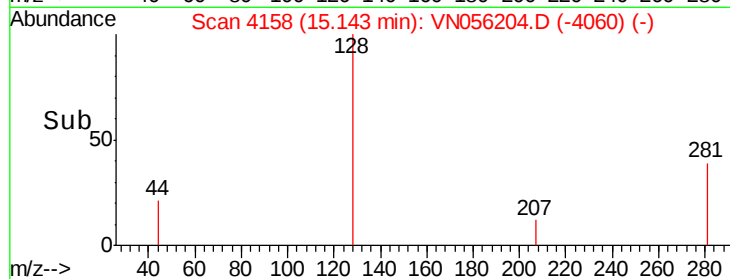
Tot Ion:128 Resp: 628

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

