

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060519\
 Data File : VN055997.D
 Acq On : 5 Jun 2019 9:56
 Operator : JC/SP
 Sample : VN0605MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 06 01:18:50 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	343822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	514160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	452236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	177593	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	162656	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
35) Dibromofluoromethane	7.59	113	147938	46.90	ug/l	0.00
Spiked Amount			Recovery	=	93.80%	
50) Toluene-d8	10.09	98	594729	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	12.40	95	192346	46.59	ug/l	0.00
Spiked Amount			Recovery	=	93.18%	

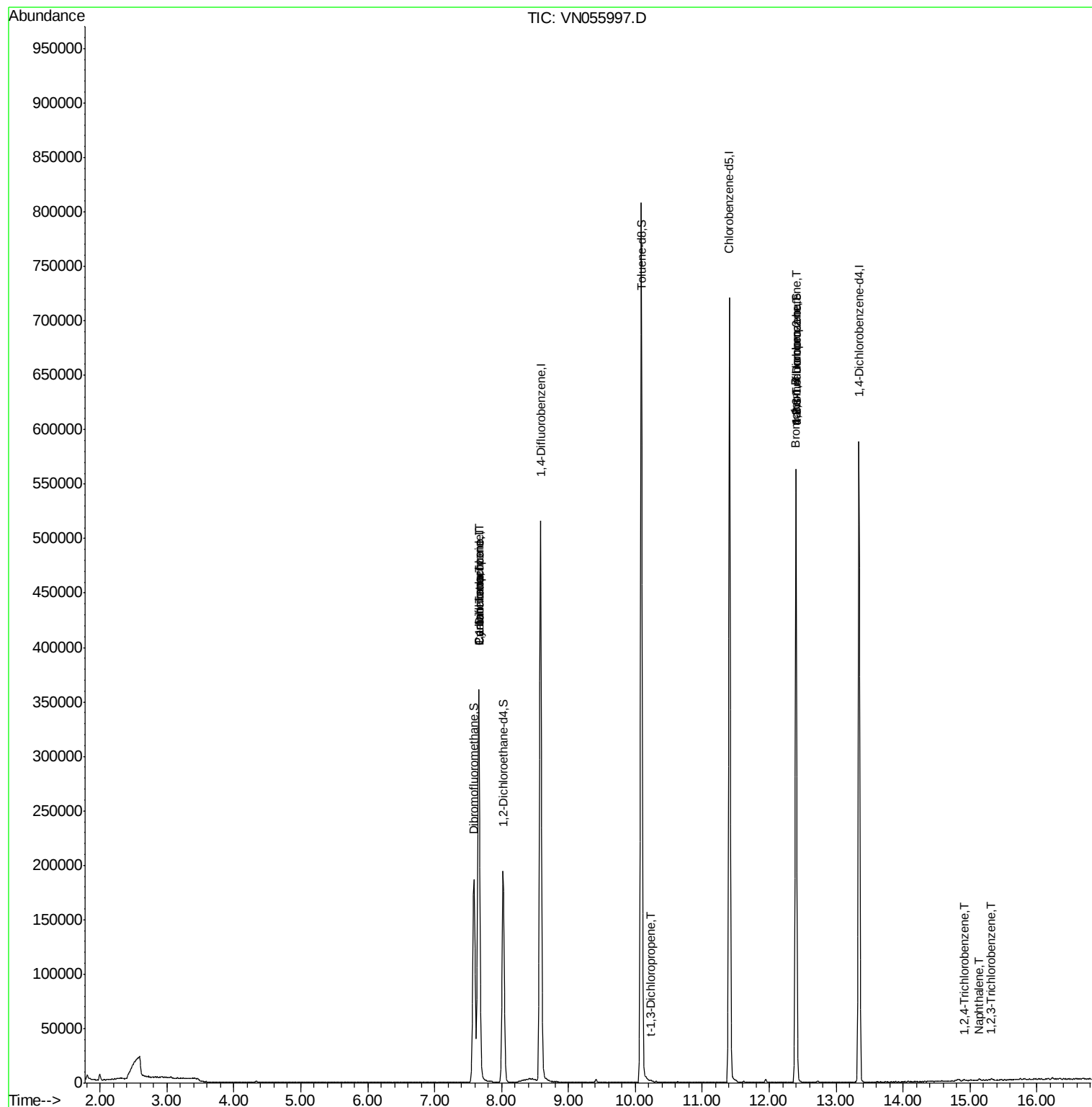
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	7.66	56	4942	0.912	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	19648	4.444	ug/l #	47
38) Carbon Tetrachloride	7.66	117	27900	6.845	ug/l #	14
53) t-1,3-Dichloropropene	10.24	75	108	2.419	ug/l #	42
71) Bromoform	12.39	173	448	2.904	ug/l #	29
73) Isopropylbenzene	12.40	105	213	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	86951	26.609	ug/l #	100
79) 2-Chlorotoluene	12.68	91	68	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	86951	88.611	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	710	4.468	ug/l #	89
95) Naphthalene	15.13	128	1527	4.017	ug/l #	72
96) 1,2,3-Trichlorobenzene	15.32	180	948	3.298	ug/l	87

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060519\
Data File : VN055997.D
Acq On : 5 Jun 2019 9:56
Operator : JC/SP
Sample : VN0605MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jun 06 01:18:50 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN055997.D

Acq: 5 Jun 2019 9:56

Instrument :

MSVOA_N

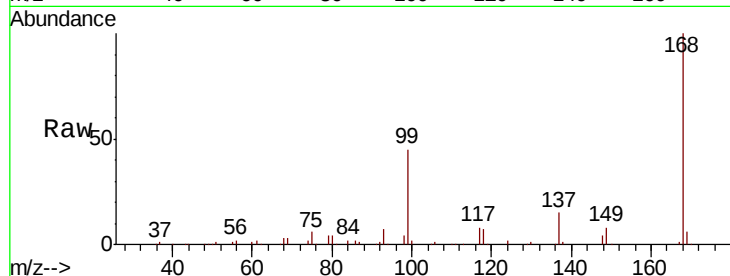
ClientSampleId :

Tot Ion:168 Resp: 343822

Ion Ratio Lower Upper

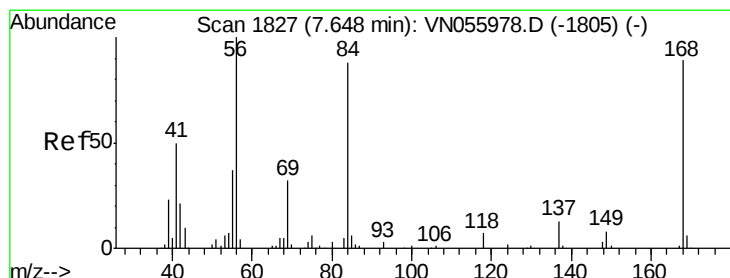
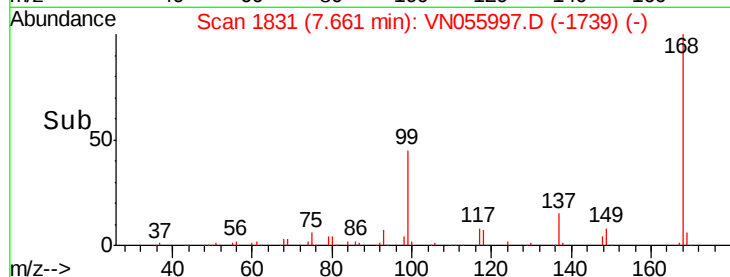
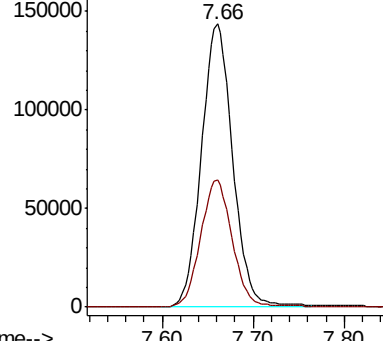
168 100

99 45.0 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#31

Cyclohexane

Concen: 0.912 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN055997.D

Acq: 5 Jun 2019 9:56

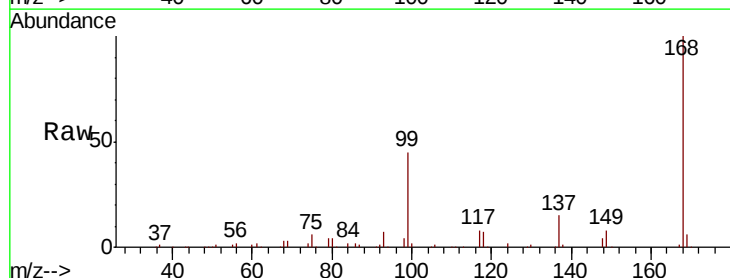
Tgt Ion: 56 Resp: 4942

Ion Ratio Lower Upper

56 100

69 181.0 25.6 38.4#

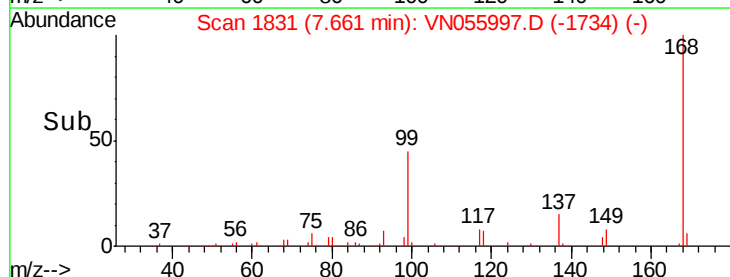
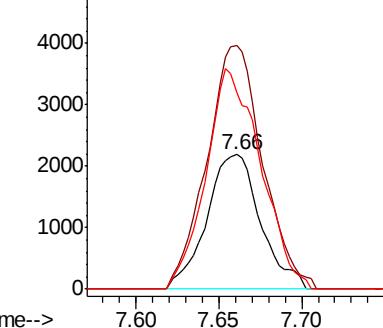
84 146.1 67.4 101.0#

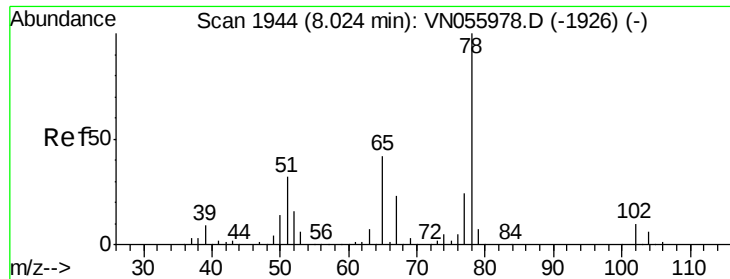


Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 69.00 (68.70 to 69.70): VN

Ion 84.00 (83.70 to 84.70): VN

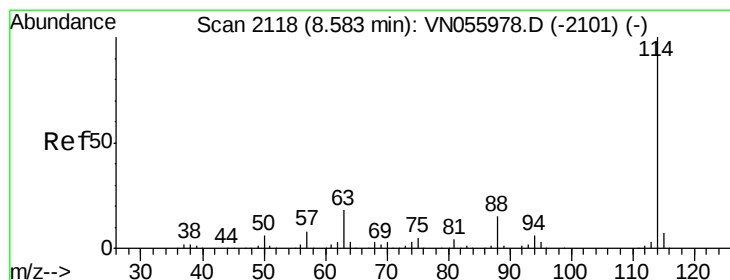
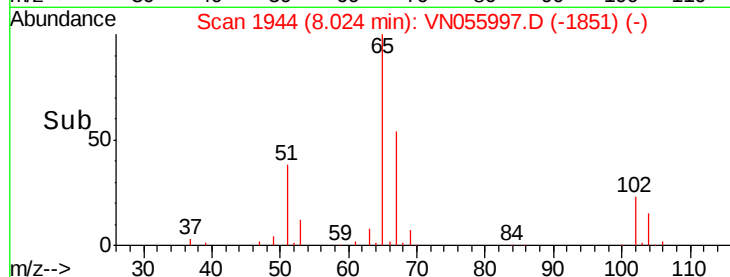
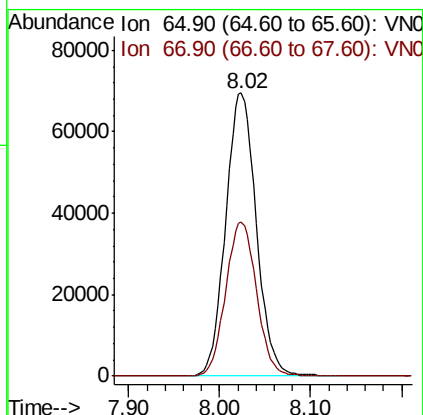
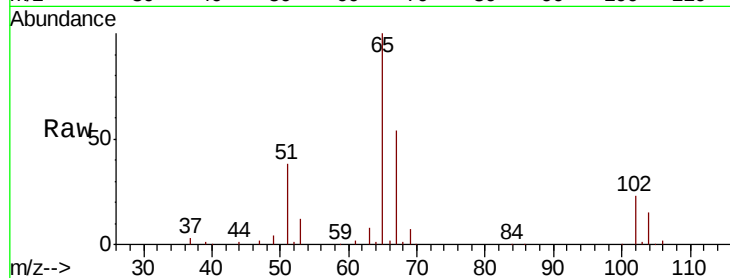




#33
 1,2-Dichloroethane-d4
 Concen: 47.646 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055997.D
 Acq: 5 Jun 2019 9:56

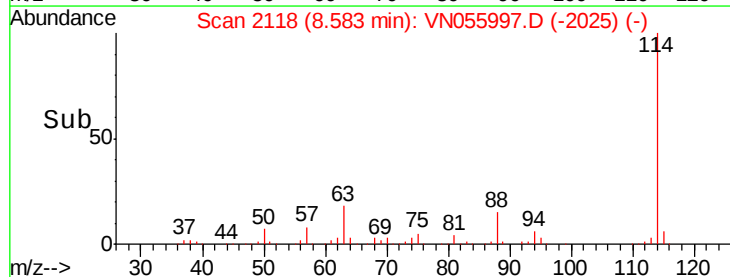
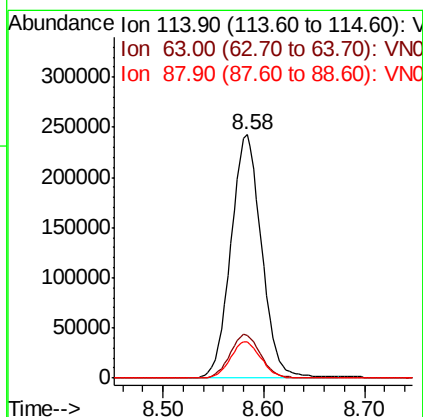
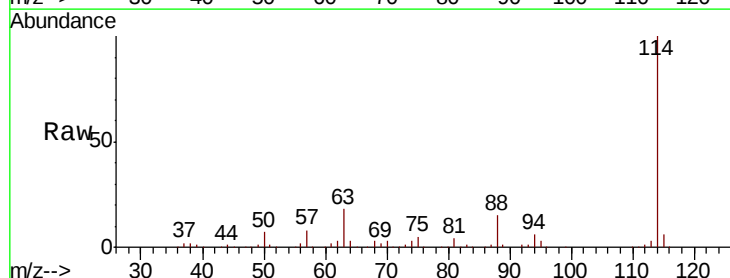
Instrument :
 MSVOA_N
 ClientSampleId :

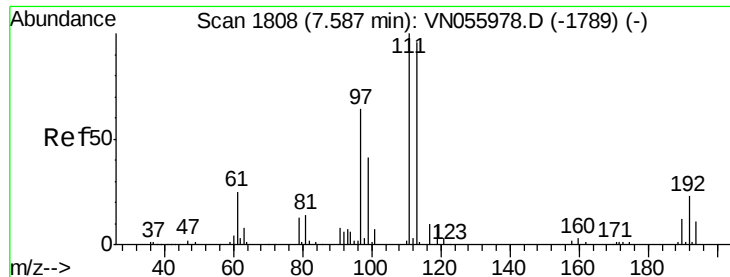
Tot Ion: 65 Resp: 162656
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055997.D
 Acq: 5 Jun 2019 9:56

Tgt Ion: 114 Resp: 514160
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 39.2
 88 14.7 0.0 31.0

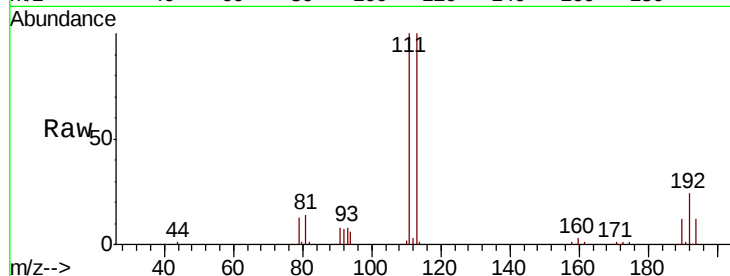




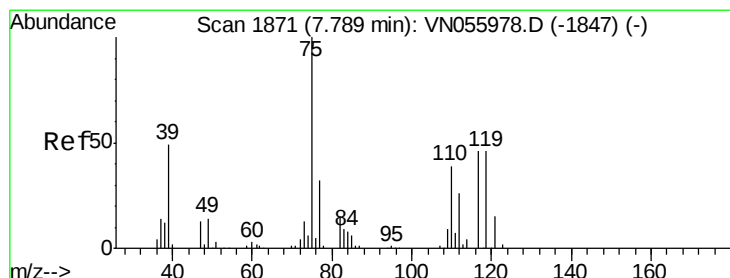
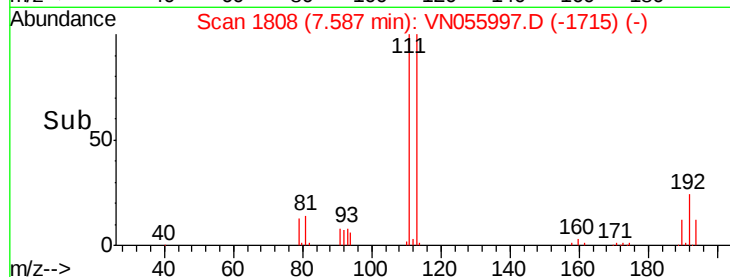
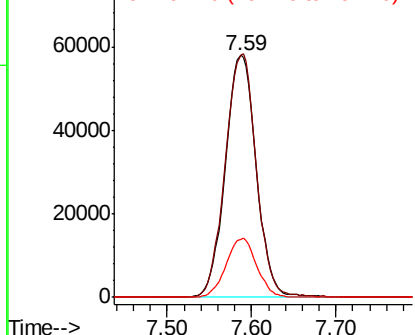
#35
 Dibromofluoromethane
 Concen: 46.897 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN055997.D
 Acq: 5 Jun 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 147938
 Ion Ratio Lower Upper
 113 100
 111 100.7 81.9 122.9
 192 24.0 19.5 29.3

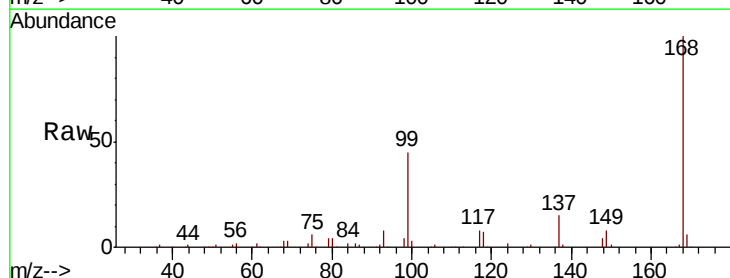


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

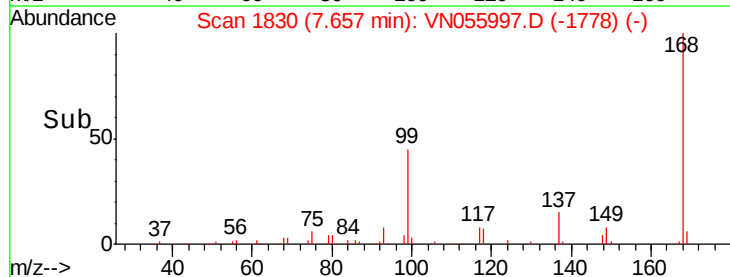
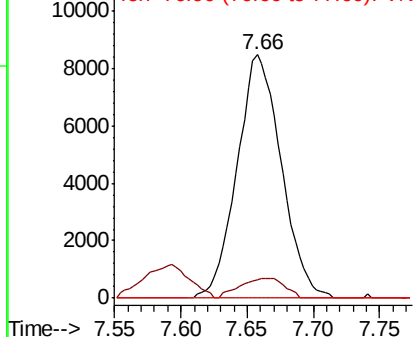


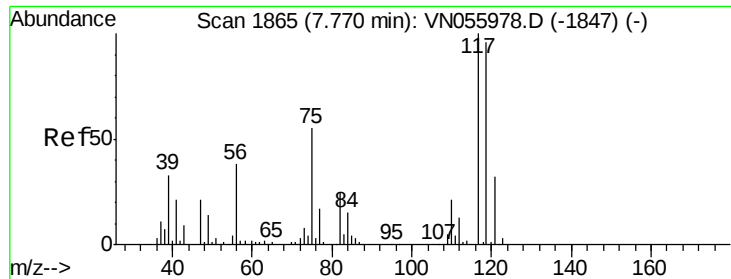
#36
 1,1-Dichloropropene
 Concen: 4.444 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN055997.D
 Acq: 5 Jun 2019 9:56

Tgt Ion: 75 Resp: 19648
 Ion Ratio Lower Upper
 75 100
 110 8.1 19.0 57.0#
 77 0.0 25.1 37.7#



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





#38

Carbon Tetrachloride

Concen: 6.845 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN055997.D

Acq: 5 Jun 2019 9:56

Instrument :

MSVOA_N

ClientSampled :

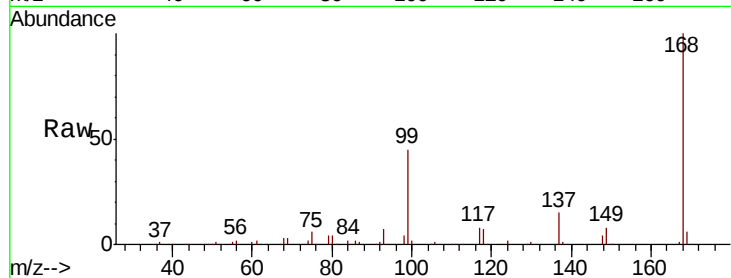
Tot Ion:117 Resp: 27900

Ion Ratio Lower Upper

117 100

119 4.4 79.0 118.6#

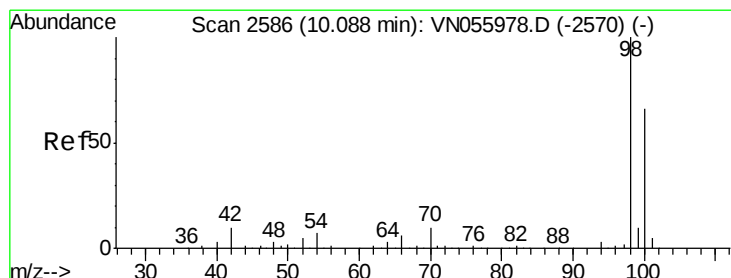
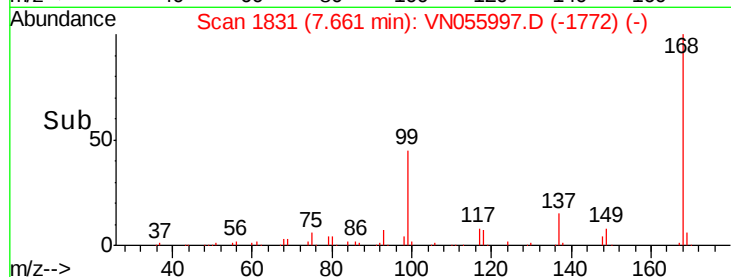
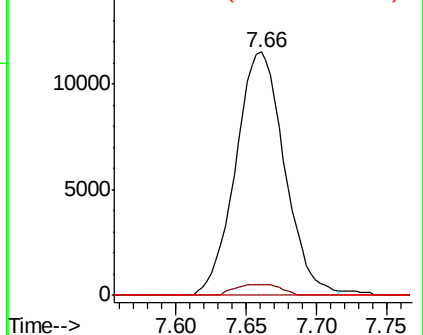
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 48.995 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055997.D

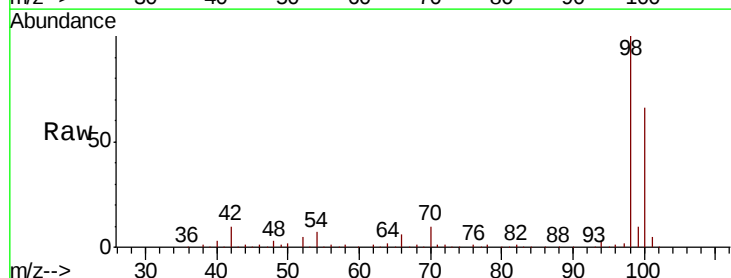
Acq: 5 Jun 2019 9:56

Tgt Ion: 98 Resp: 594729

Ion Ratio Lower Upper

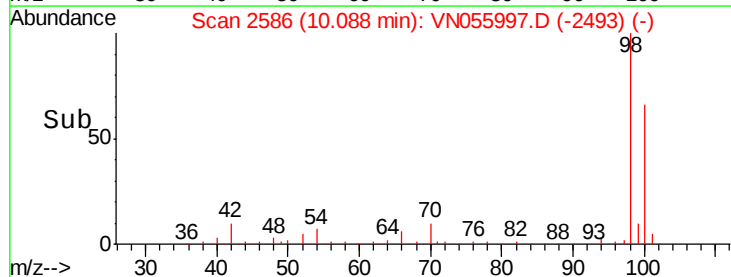
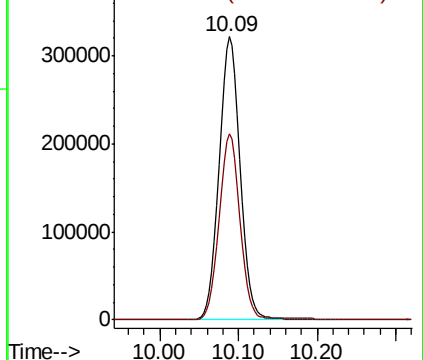
98 100

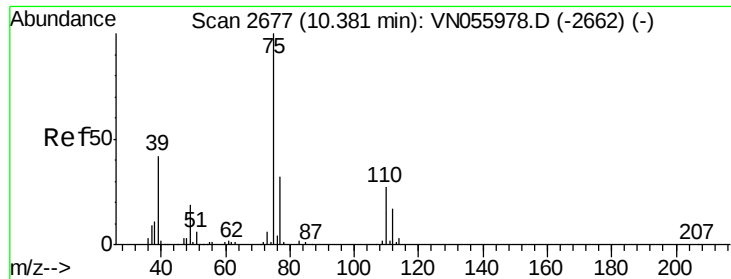
100 64.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

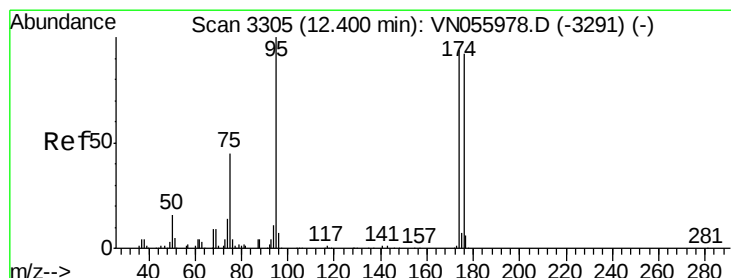
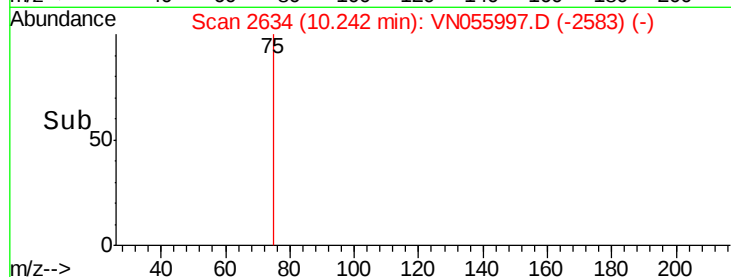
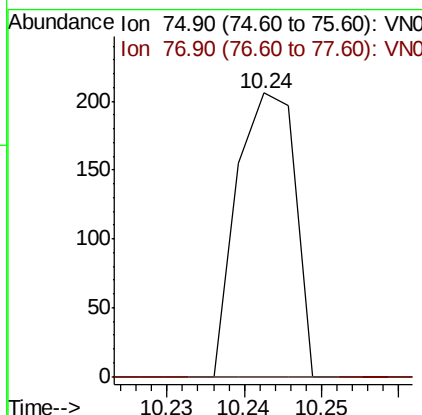
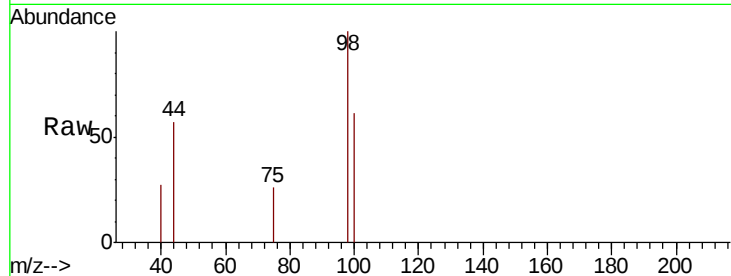




#53
t-1,3-Dichloropropene
Concen: 2.419 ug/l
RT: 10.24 min Scan# 2634
Delta R.T. -0.14 min
Lab File: VN055997.D
Acq: 5 Jun 2019 9:56

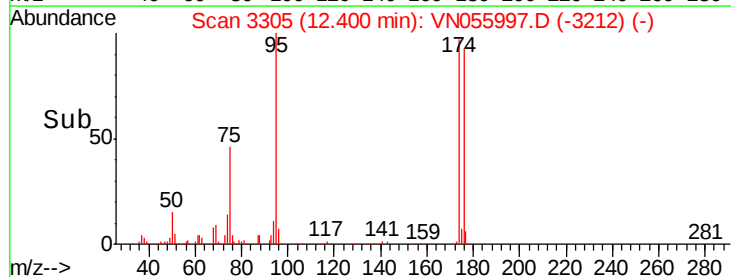
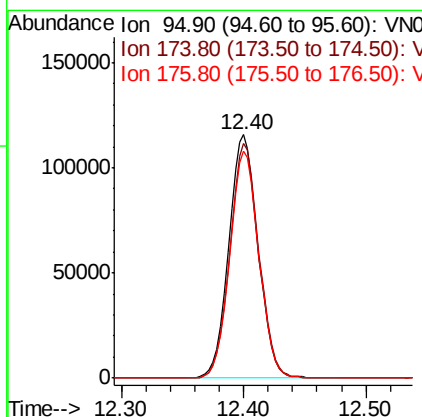
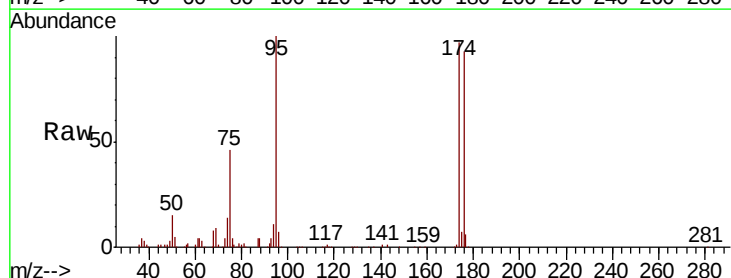
Instrument :
MSVOA_N
ClientSampleId :

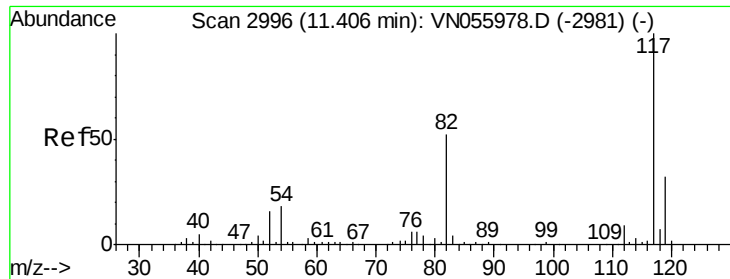
Tot Ion: 75 Resp: 108
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#



#62
4-Bromofluorobenzene
Concen: 46.595 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055997.D
Acq: 5 Jun 2019 9:56

Tgt Ion: 95 Resp: 192346
Ion Ratio Lower Upper
95 100
174 96.0 0.0 191.0
176 92.9 0.0 185.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055997.D

Acq: 5 Jun 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

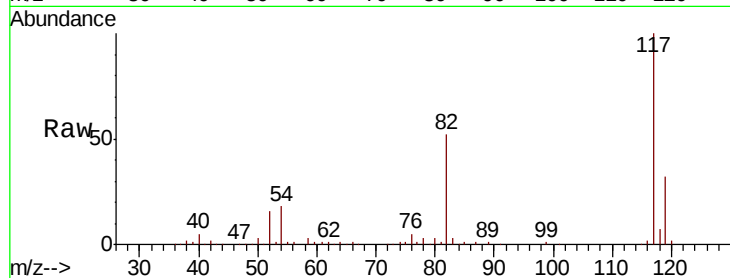
Tot Ion:117 Resp: 452236

Ion Ratio Lower Upper

117 100

82 52.1 41.8 62.8

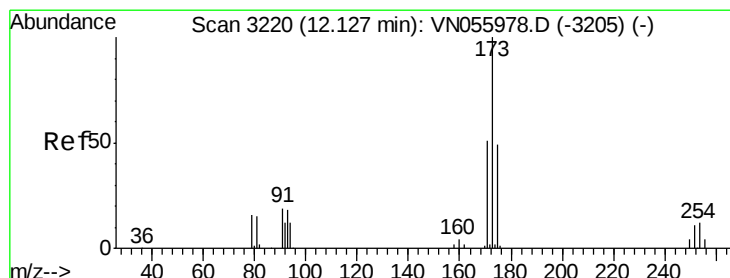
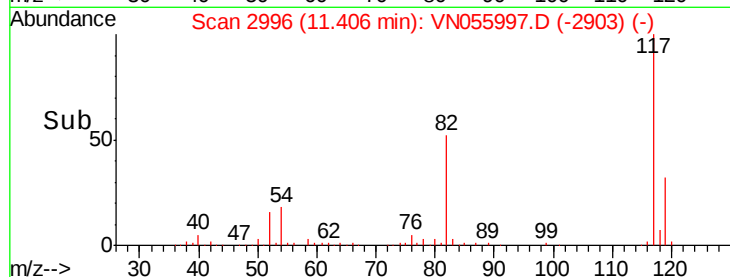
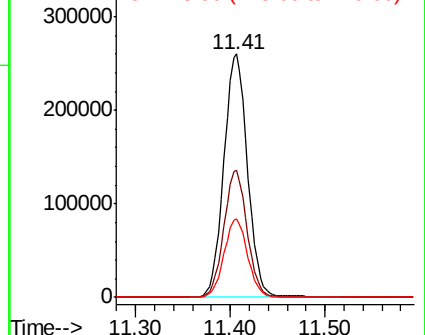
119 32.2 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 2.904 ug/l

RT: 12.39 min Scan# 3301

Delta R.T. 0.26 min

Lab File: VN055997.D

Acq: 5 Jun 2019 9:56

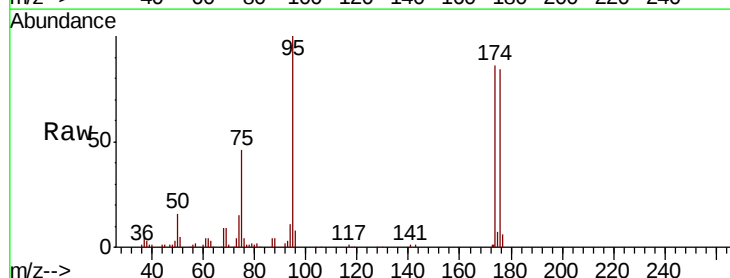
Tgt Ion:173 Resp: 448

Ion Ratio Lower Upper

173 100

175 0.0 24.3 72.8#

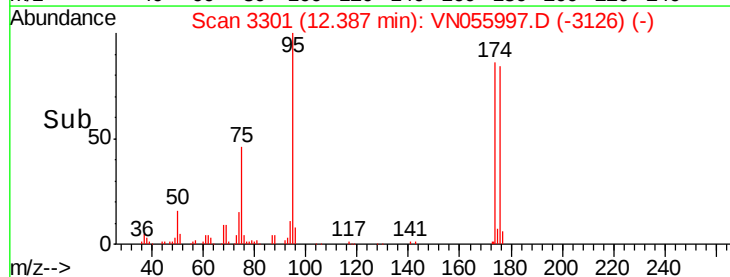
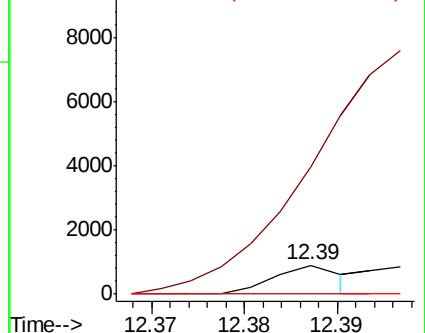
254 0.0 0.0 0.0

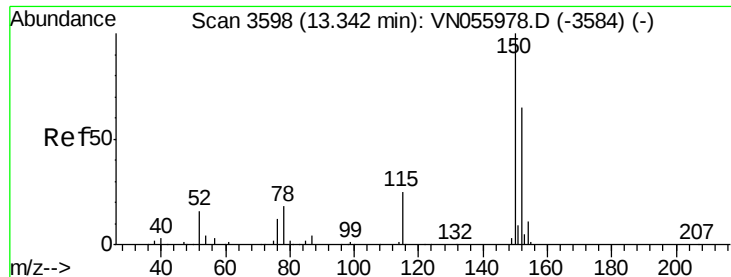


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN055997.D

Acq: 5 Jun 2019 9:56

Instrument :

MSVOA_N

ClientSampled :

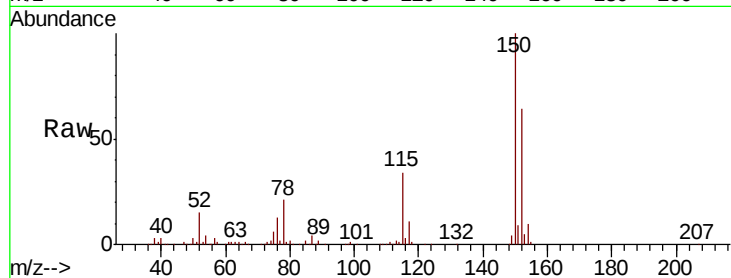
Tot Ion:152 Resp: 177593

Ion Ratio Lower Upper

152 100

115 53.1 27.0 81.0

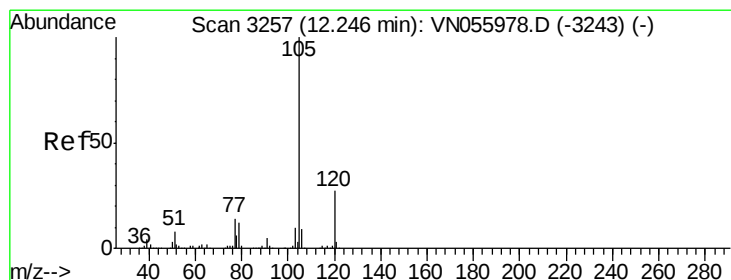
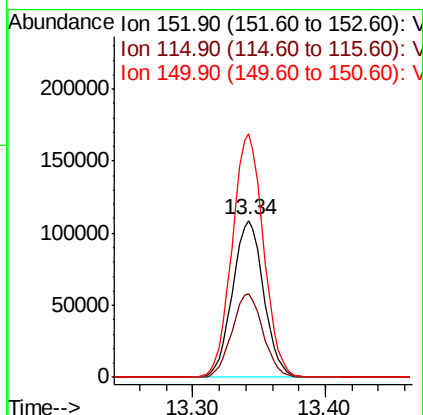
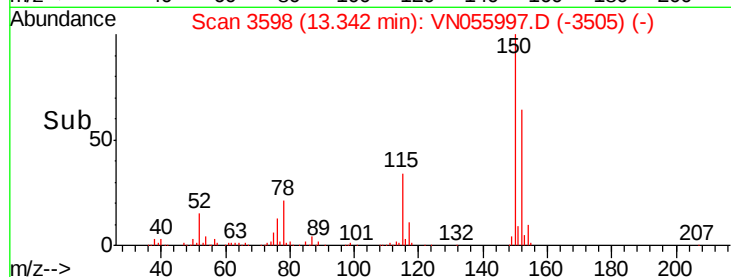
150 155.9 0.0 343.2



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



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. 0.16 min

Lab File: VN055997.D

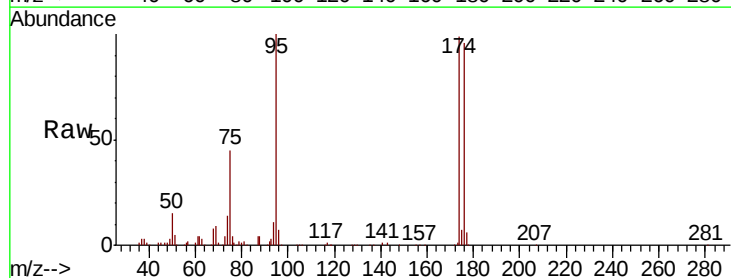
Acq: 5 Jun 2019 9:56

Tgt Ion:105 Resp: 213

Ion Ratio Lower Upper

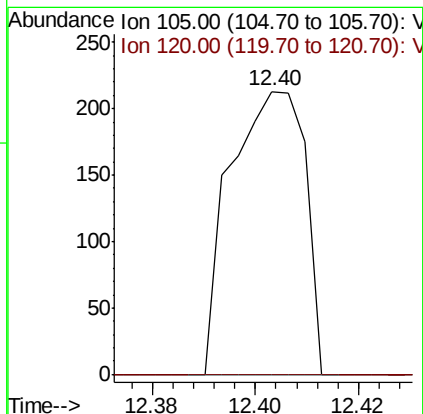
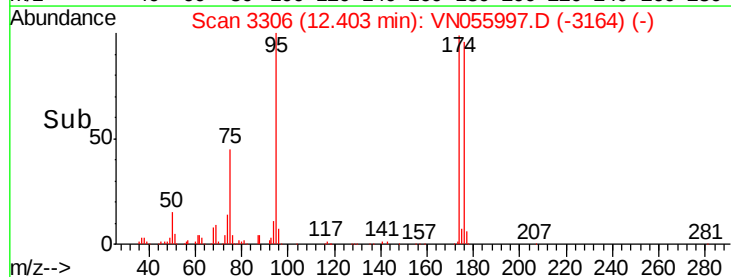
105 100

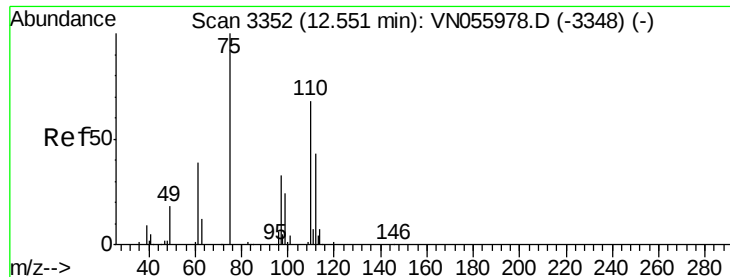
120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 26.609 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055997.D

Acq: 5 Jun 2019 9:56

Instrument :

MSVOA_N

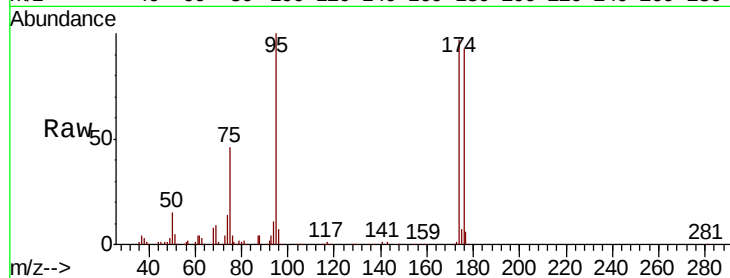
ClientSampled :

Tot Ion: 75 Resp: 86951

Ion Ratio Lower Upper

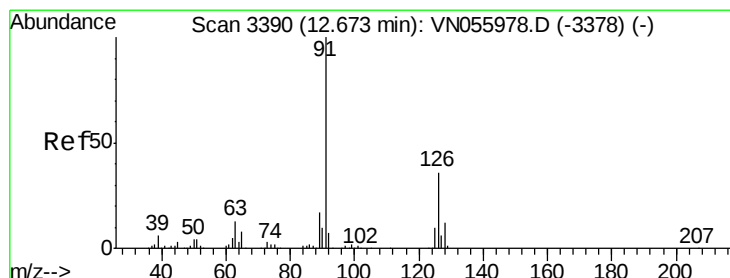
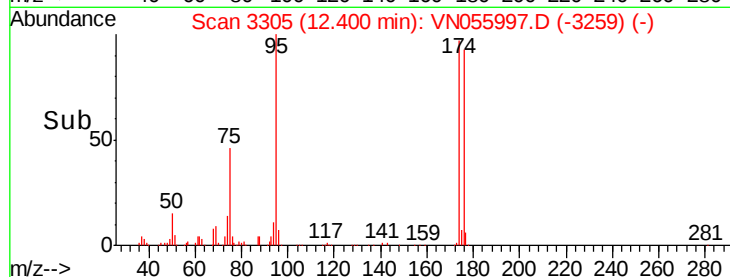
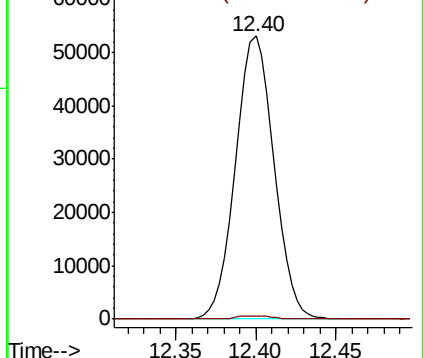
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3392

Delta R.T. 0.01 min

Lab File: VN055997.D

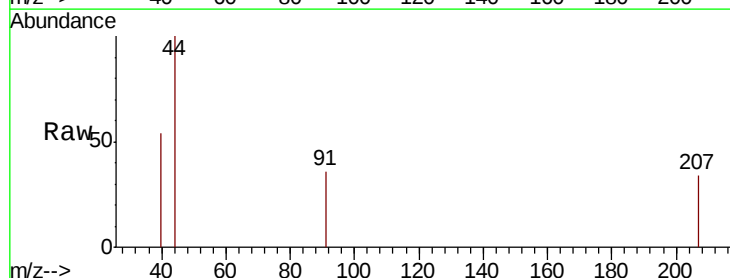
Acq: 5 Jun 2019 9:56

Tgt Ion: 91 Resp: 68

Ion Ratio Lower Upper

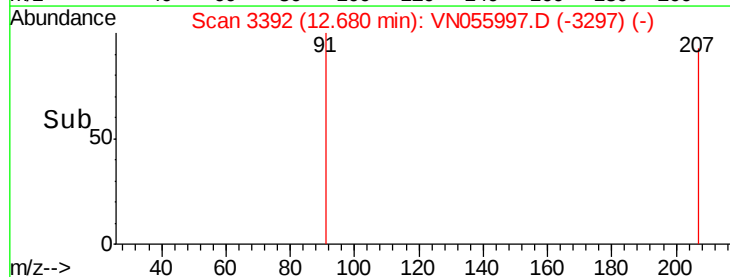
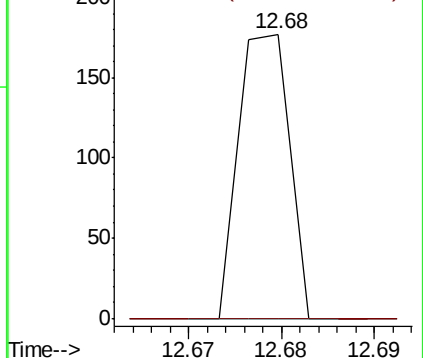
91 100

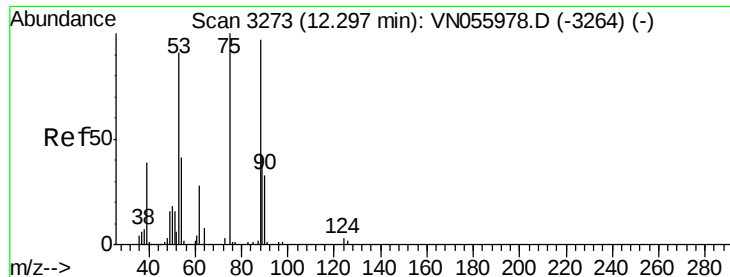
126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 88.611 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055997.D

Acq: 5 Jun 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

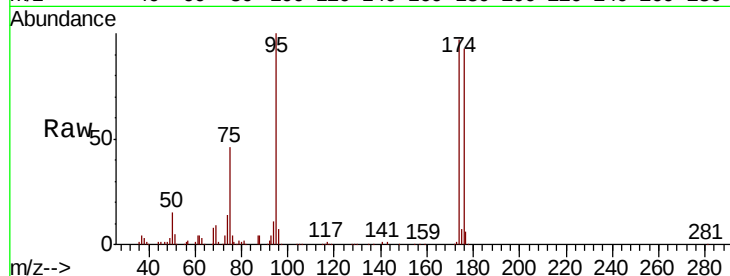
Tot Ion: 75 Resp: 86951

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

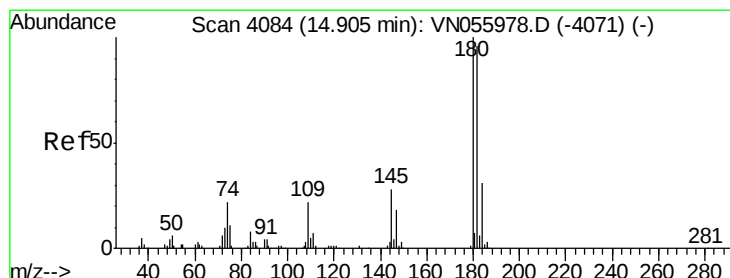
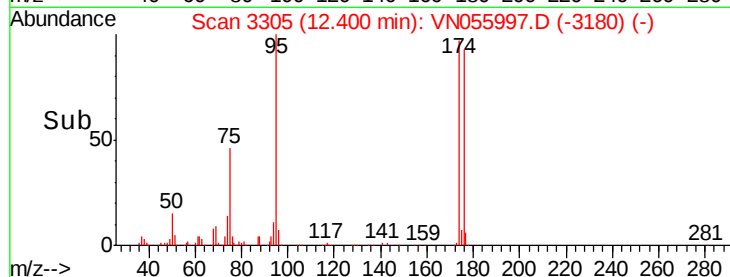
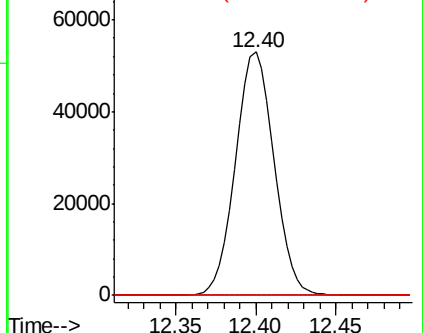
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN055997.D (-3180) (-)

Ion 53.00 (52.70 to 53.70): VN055997.D (-3180) (-)

Ion 88.90 (88.60 to 89.60): VN055997.D (-3180) (-)



#93

1,2,4-Trichlorobenzene

Concen: 4.468 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN055997.D

Acq: 5 Jun 2019 9:56

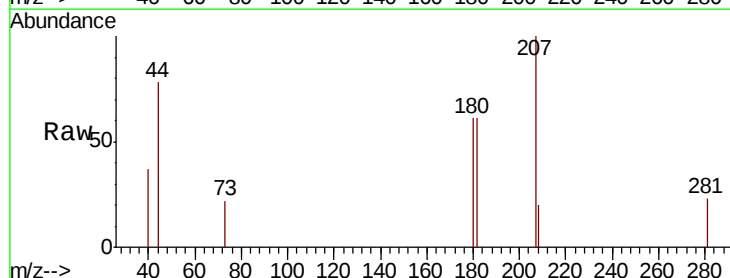
Tgt Ion:180 Resp: 710

Ion Ratio Lower Upper

180 100

182 95.4 48.3 144.9

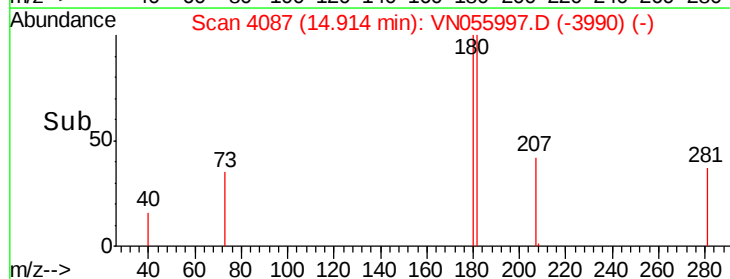
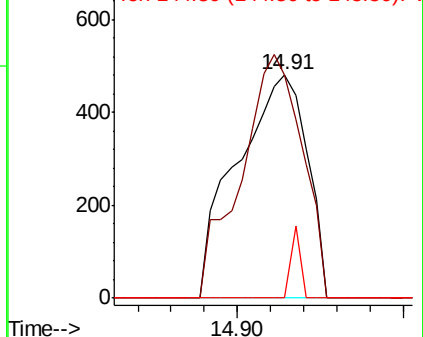
145 4.2 14.0 41.9#

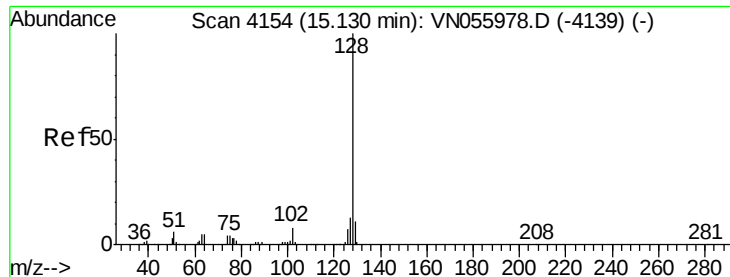


Abundance Ion 179.80 (179.50 to 180.50): VN055997.D (-3990) (-)

Ion 181.80 (181.50 to 182.50): VN055997.D (-3990) (-)

Ion 144.80 (144.50 to 145.50): VN055997.D (-3990) (-)

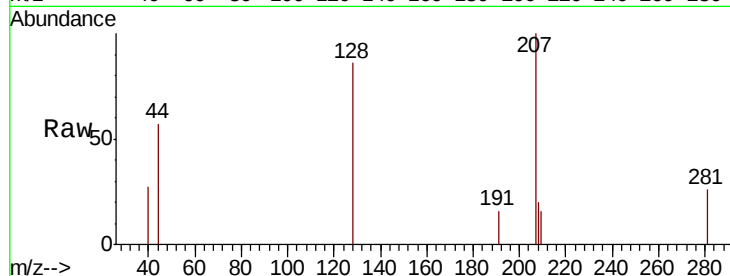




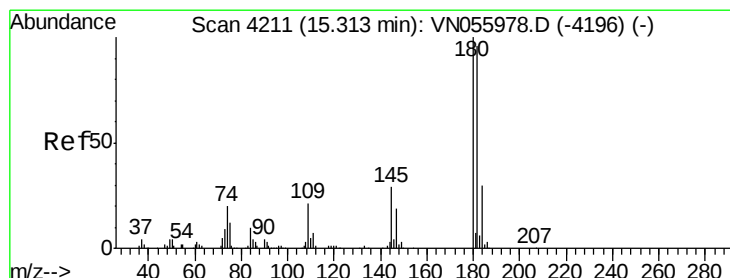
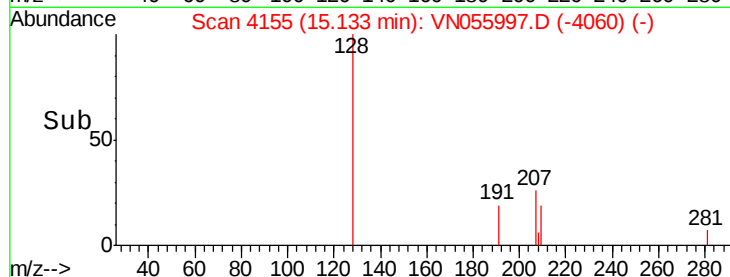
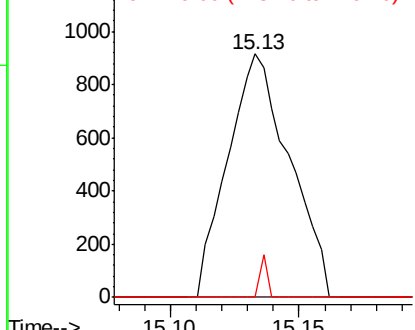
#95
Naphthalene
Concen: 4.017 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055997.D
Acq: 5 Jun 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 1527
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 2.0 8.7 13.1#

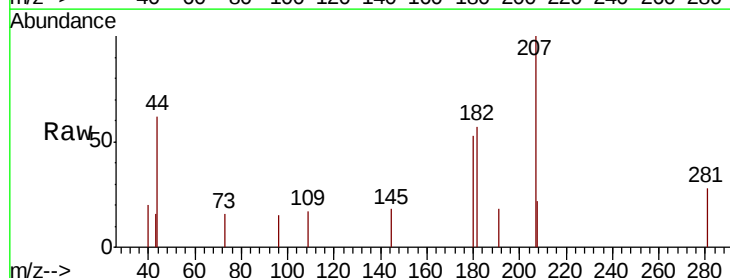


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 3.298 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN055997.D
Acq: 5 Jun 2019 9:56

Tgt Ion:180 Resp: 948
Ion Ratio Lower Upper
180 100
182 84.2 47.9 143.7
145 21.3 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

