

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061819\
 Data File : VN056369.D
 Acq On : 18 Jun 2019 16:31
 Operator : JC/SP
 Sample : K3441-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 19 02:01:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:23:59 2019
 Response via : Initial Calibration

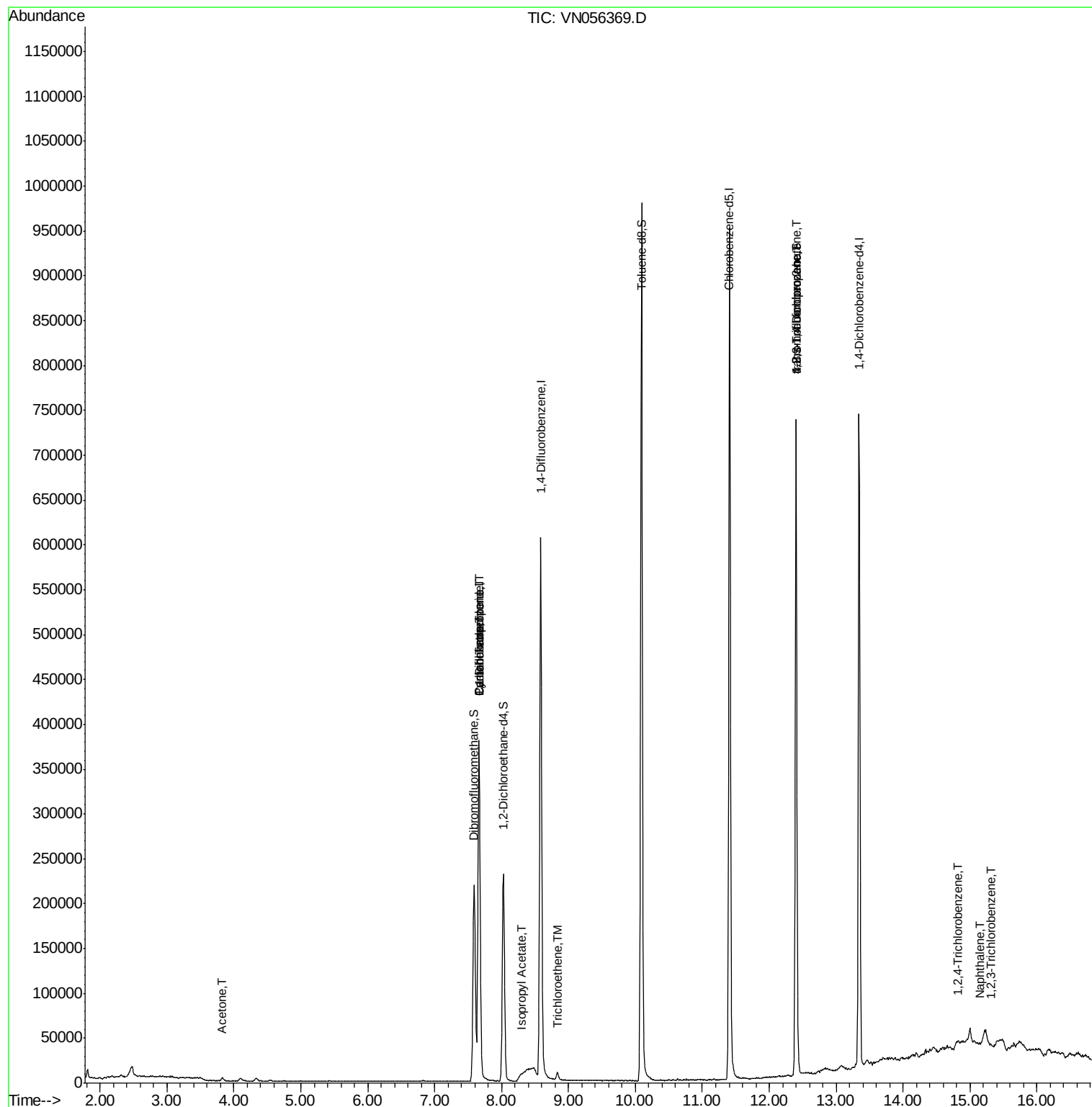
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	341942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	589552	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	599565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	218758	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	196238	51.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.08%	
35) Dibromofluoromethane	7.59	113	169632	44.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.74%	
50) Toluene-d8	10.09	98	730395	50.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.14%	
62) 4-Bromofluorobenzene	12.40	95	264709	55.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.62%	
Target Compounds						
					Qvalue	
16) Acetone	3.83	43	6510	3.064	ug/l	95
18) Methyl Acetate	4.33	43	6421	Below Cal	#	87
31) Cyclohexane	7.66	56	5717	0.965	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	22964	4.329	ug/l #	48
38) Carbon Tetrachloride	7.66	117	29879	5.868	ug/l #	15
43) Isopropyl Acetate	8.30	43	8640	1.074	ug/l #	60
44) Trichloroethene	8.83	130	3401	0.777	ug/l	96
73) Isopropylbenzene	12.25	105	266	Below Cal	#	48
75) 1,1,2,2-Tetrachloroethane	12.50	83	116	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	121140	25.919	ug/l #	100
79) 2-Chlorotoluene	12.67	91	641	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	121140	80.527	ug/l #	13
83) tert-Butylbenzene	12.90	119	67	Below Cal	#	28
90) Hexachloroethane	13.86	117	97	Below Cal	#	4
93) 1,2,4-Trichlorobenzene	14.82	180	67	5.322	ug/l #	1
95) Naphthalene	15.14	128	1065	4.757	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.31	180	32	3.811	ug/l #	13

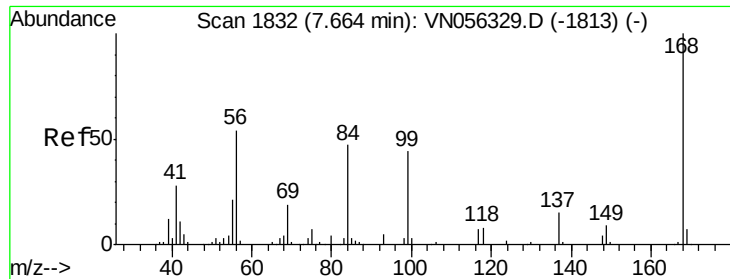
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061819\
Data File : VN056369.D
Acq On : 18 Jun 2019 16:31
Operator : JC/SP
Sample : K3441-05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jun 19 02:01:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 18 04:23:59 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: VN056369.D

Acq: 18 Jun 2019 16:31

Instrument :

MSVOA_N

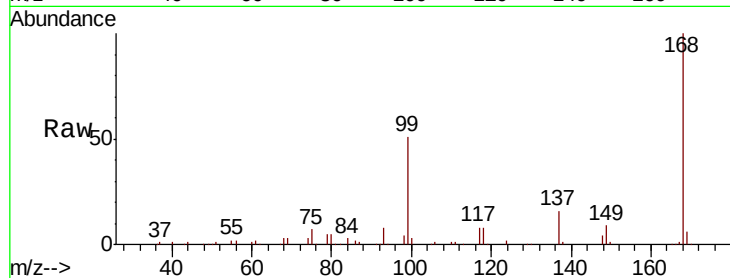
ClientSampleId :

Tot Ion:168 Resp: 341942

Ion Ratio Lower Upper

168 100

99 51.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

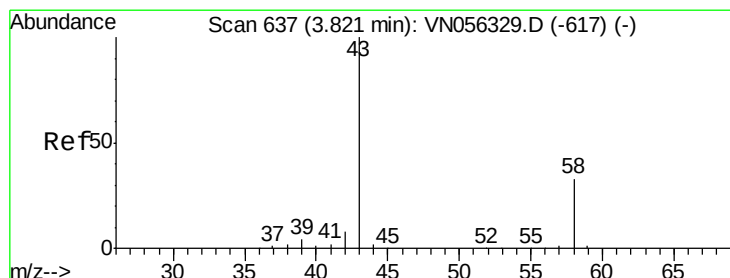
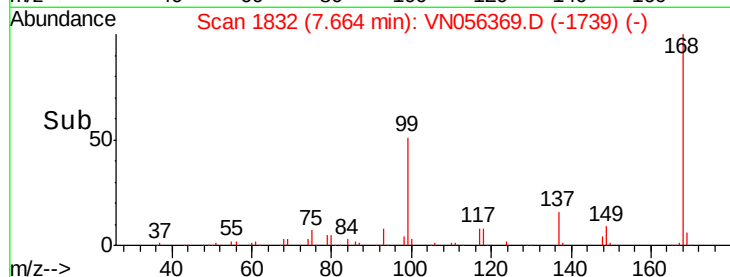
100000

50000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 3.064 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN056369.D

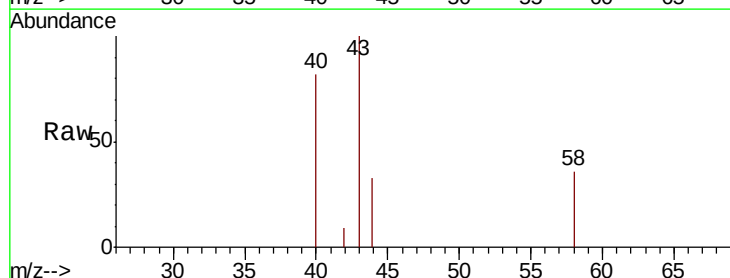
Acq: 18 Jun 2019 16:31

Tgt Ion: 43 Resp: 6510

Ion Ratio Lower Upper

43 100

58 35.7 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.83

2500

2000

1500

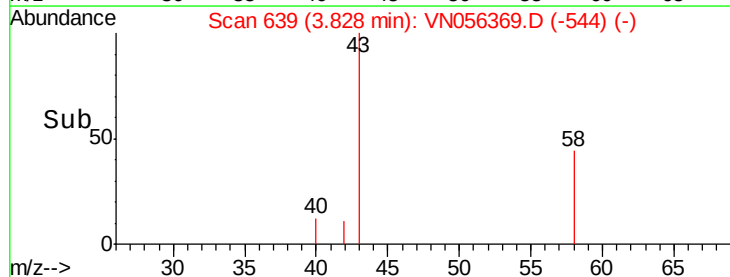
1000

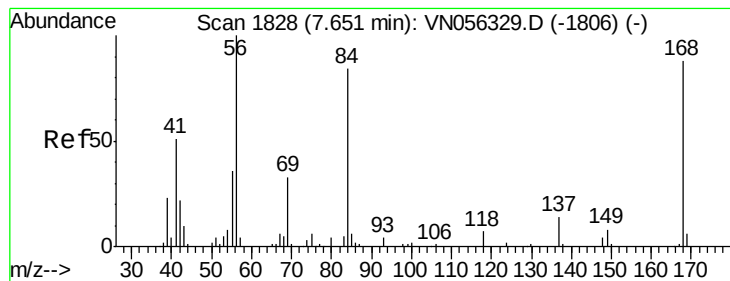
500

0

3.75 3.80 3.85 3.90

Time-->





#31

Cyclohexane

Concen: 0.965 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN056369.D

Acq: 18 Jun 2019 16:31

Instrument :

MSVOA_N

ClientSampled :

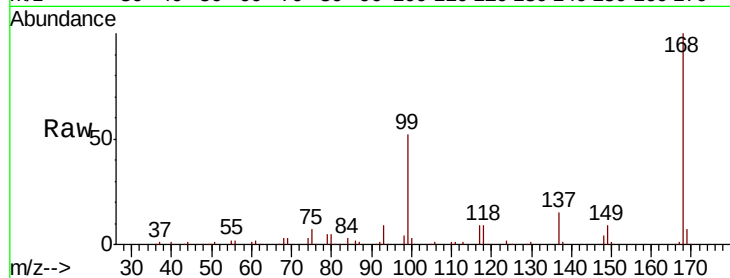
Tot Ion: 56 Resp: 5717

Ion Ratio Lower Upper

56 100

69 188.3 26.0 39.0#

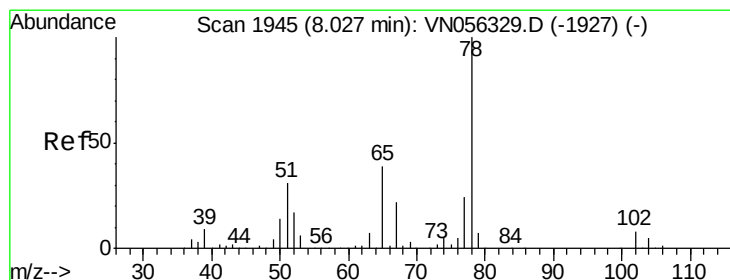
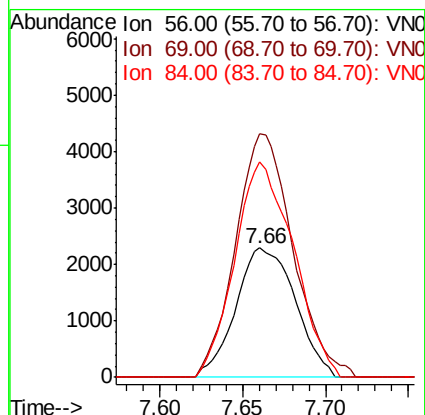
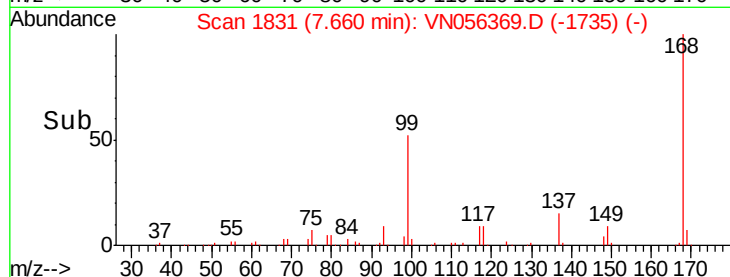
84 166.4 67.4 101.0#



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: 51.040 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN056369.D

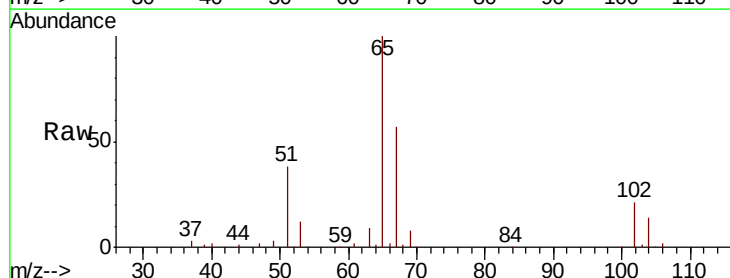
Acq: 18 Jun 2019 16:31

Tgt Ion: 65 Resp: 196238

Ion Ratio Lower Upper

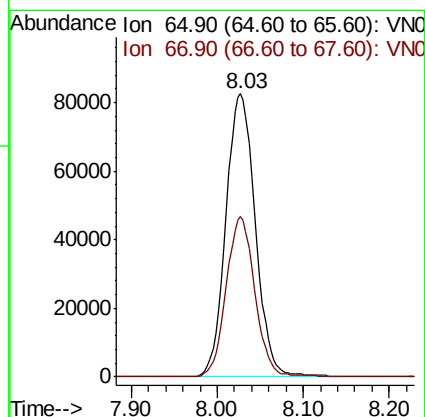
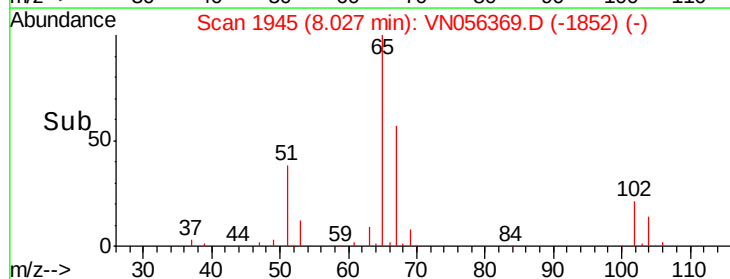
65 100

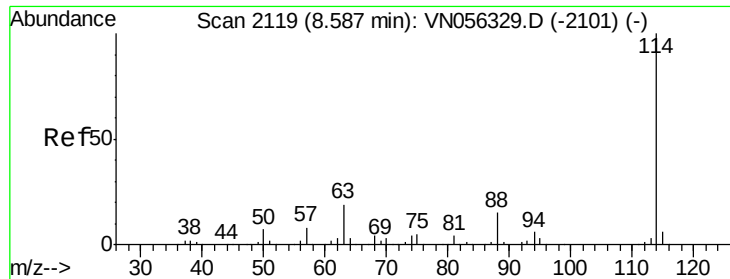
67 55.0 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

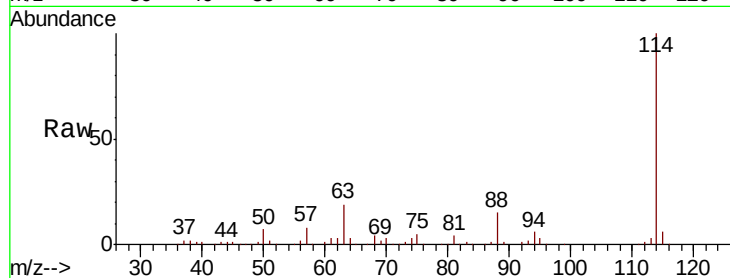




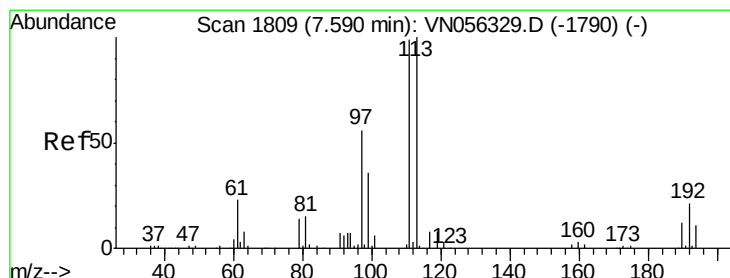
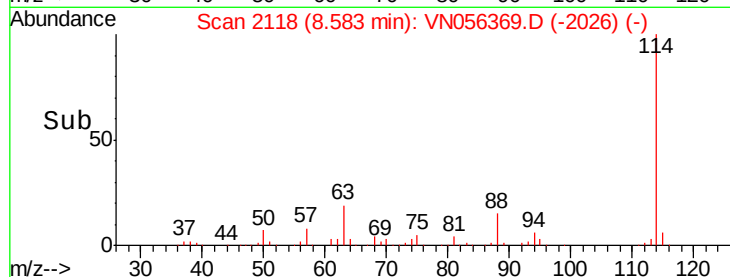
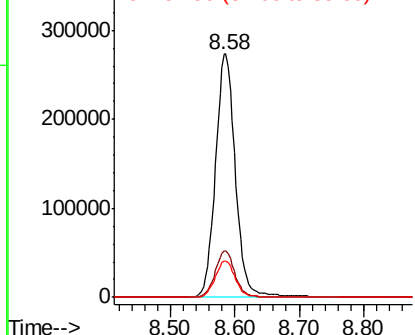
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN056369.D
Acq: 18 Jun 2019 16:31

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 589552
Ion Ratio Lower Upper
114 100
63 19.0 0.0 38.8
88 15.0 0.0 30.6

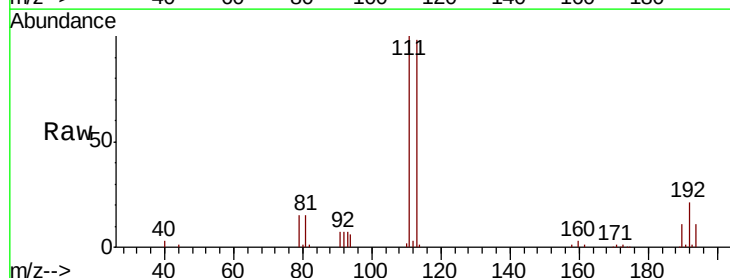


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

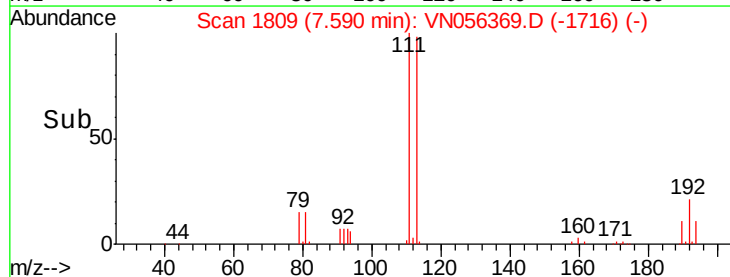
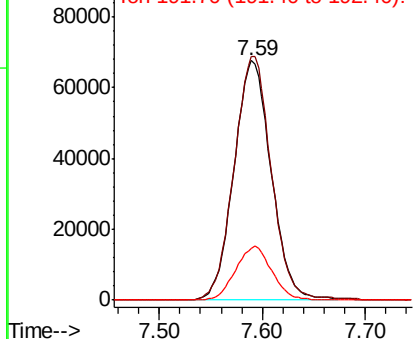


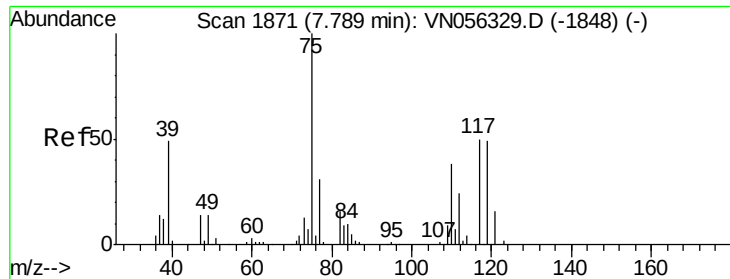
#35
Dibromofluoromethane
Concen: 44.868 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN056369.D
Acq: 18 Jun 2019 16:31

Tgt Ion:113 Resp: 169632
Ion Ratio Lower Upper
113 100
111 102.0 82.1 123.1
192 21.8 17.6 26.4



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

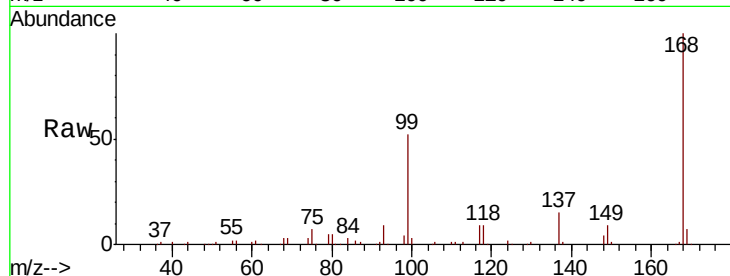




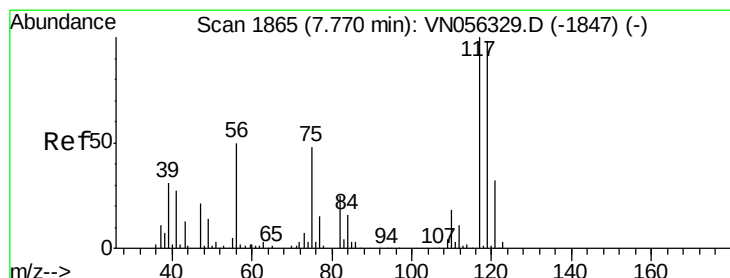
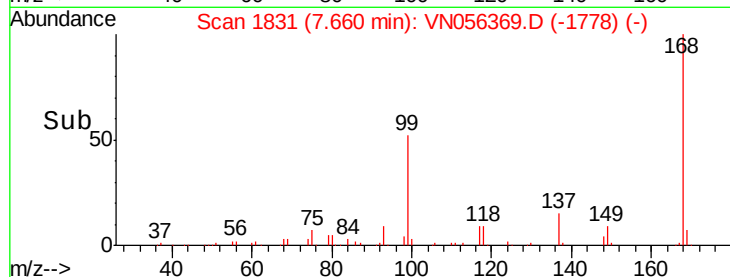
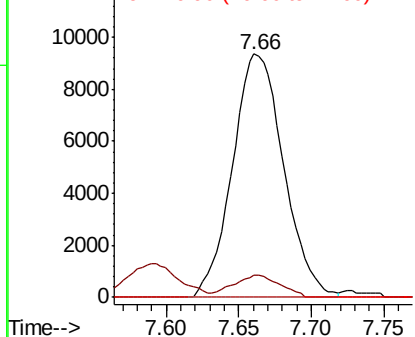
#36
 1,1-Dichloropropene
 Concen: 4.329 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN056369.D
 Acq: 18 Jun 2019 16:31

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 75 Resp: 22964
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.6 56.0#
 77 0.0 25.0 37.6#

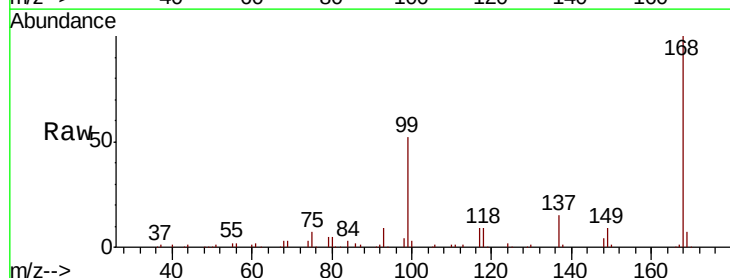


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

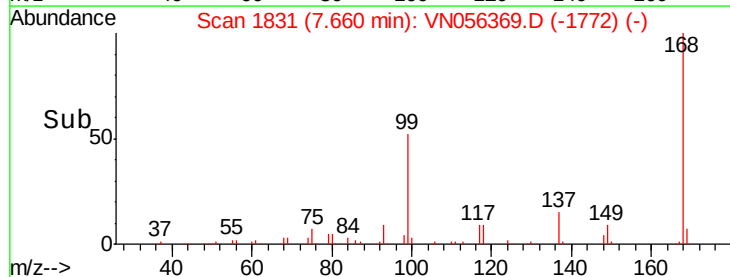
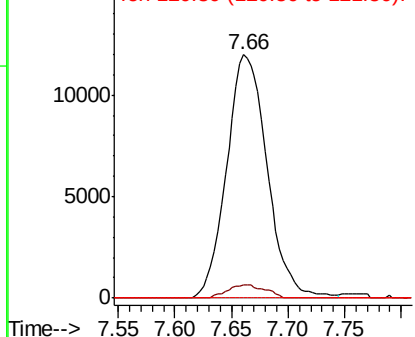


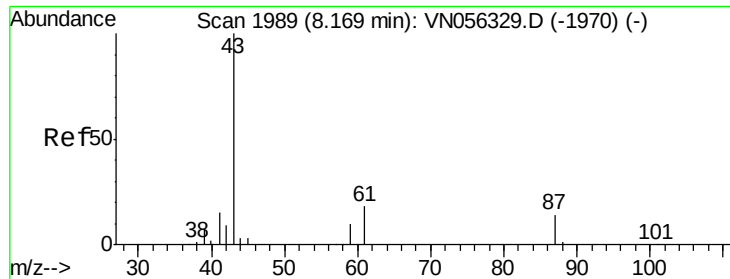
#38
 Carbon Tetrachloride
 Concen: 5.868 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN056369.D
 Acq: 18 Jun 2019 16:31

Tgt Ion: 117 Resp: 29879
 Ion Ratio Lower Upper
 117 100
 119 5.2 77.8 116.8#
 121 0.0 25.3 37.9#



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





#43

Isopropyl Acetate

Concen: 1.074 ug/l

RT: 8.30 min Scan# 2029

Delta R.T. 0.13 min

Lab File: VN056369.D

Acq: 18 Jun 2019 16:31

Instrument :

MSVOA_N

ClientSampled :

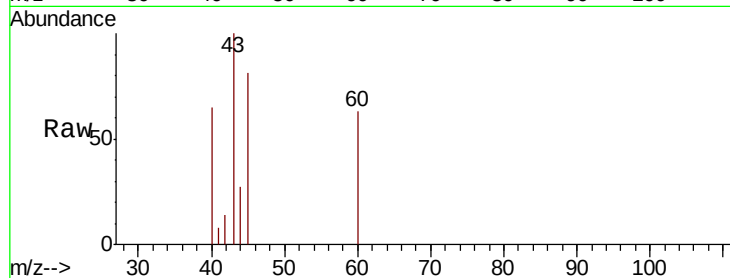
Tot Ion: 43 Resp: 8640

Ion Ratio Lower Upper

43 100

61 0.0 16.6 25.0#

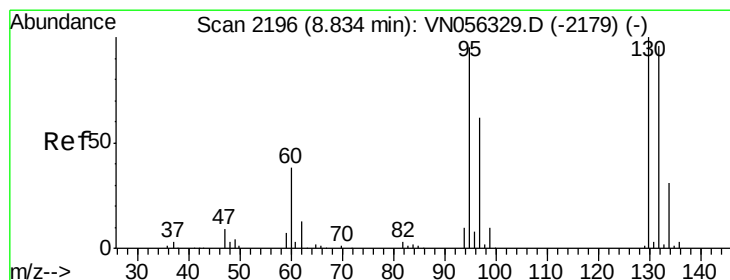
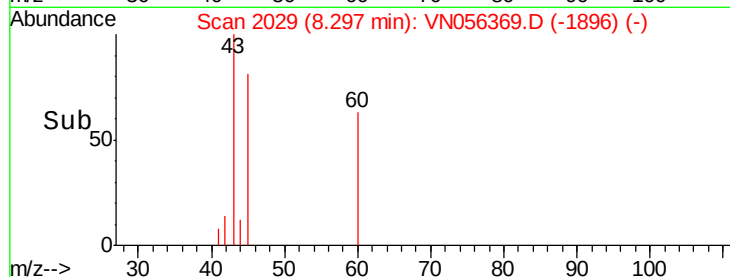
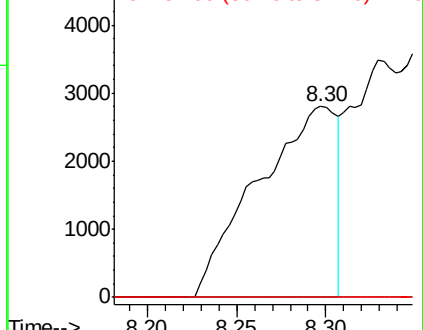
87 0.0 11.0 16.4#



Abundance Ion 43.00 (42.70 to 43.70): VN056329.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN056329.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN056329.D (-1970) (-)



#44

Trichloroethene

Concen: 0.777 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN056369.D

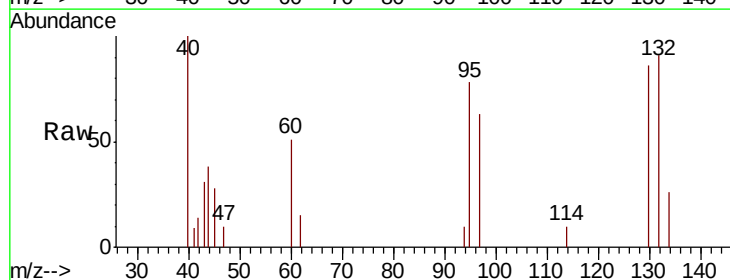
Acq: 18 Jun 2019 16:31

Tgt Ion: 130 Resp: 3401

Ion Ratio Lower Upper

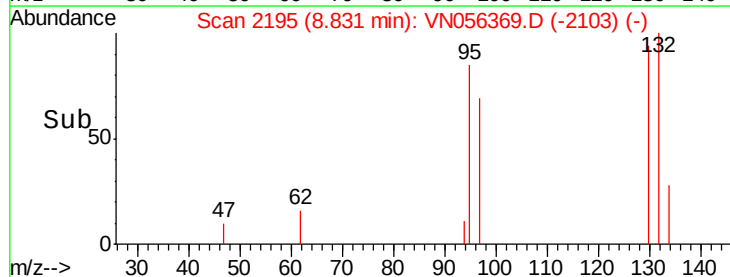
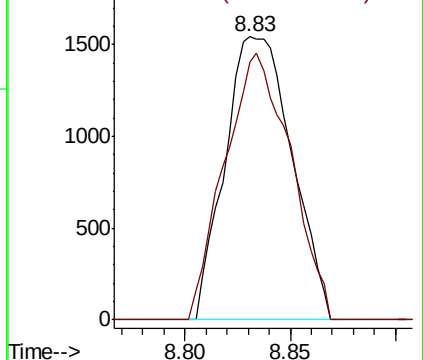
130 100

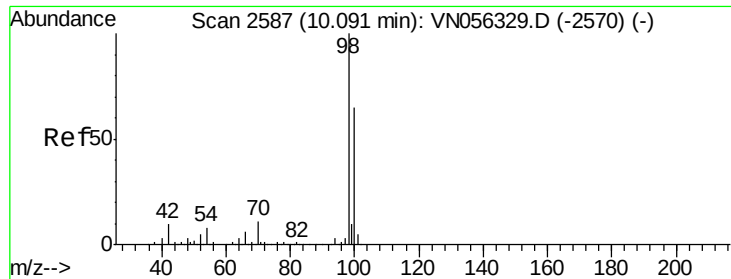
95 91.0 0.0 190.4



Abundance Ion 129.80 (129.50 to 130.50): VN056329.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN056329.D (-2179) (-)





#50

Toluene-d8

Concen: 50.570 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN056369.D

Acq: 18 Jun 2019 16:31

Instrument :

MSVOA_N

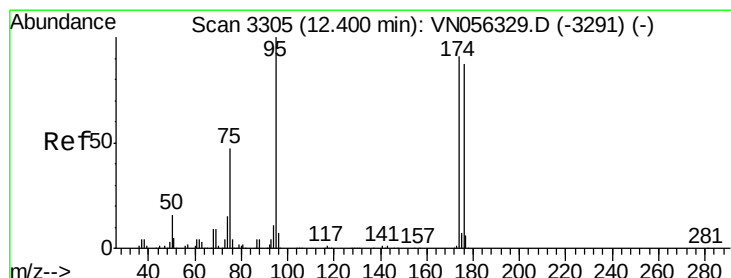
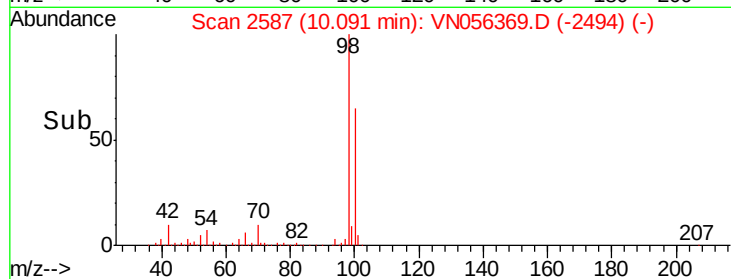
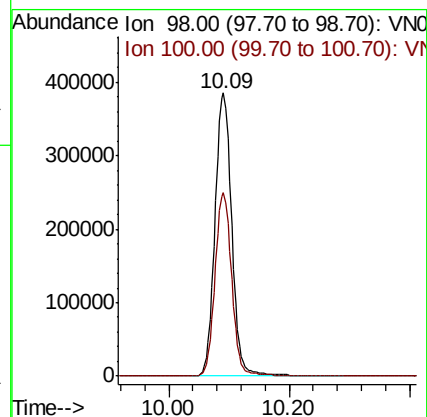
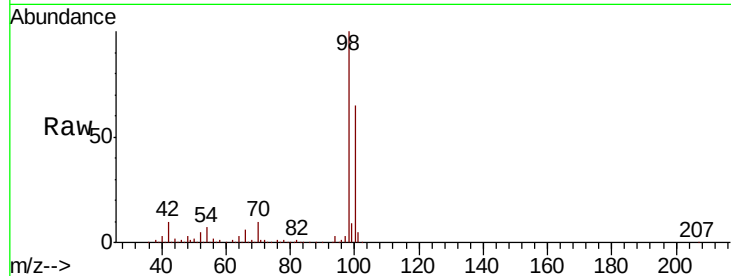
ClientSampled :

Tot Ion: 98 Resp: 730395

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 55.308 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056369.D

Acq: 18 Jun 2019 16:31

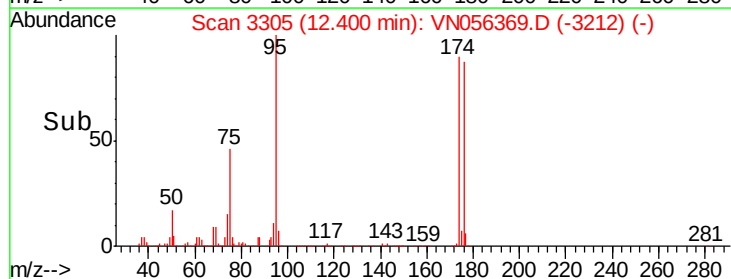
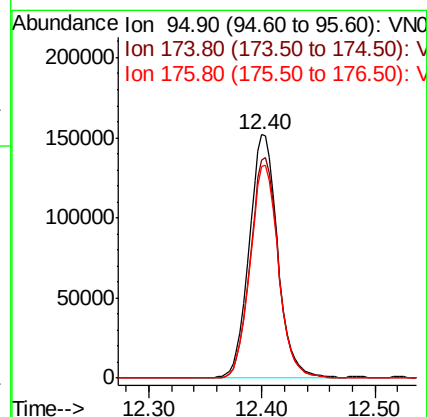
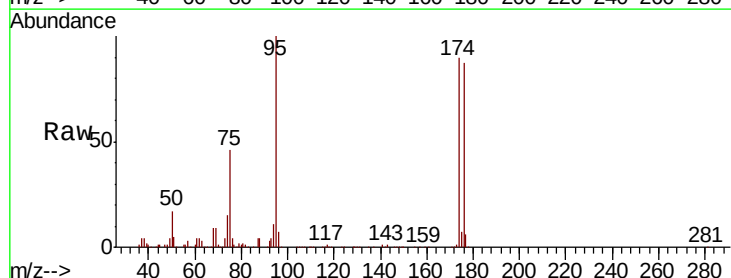
Tgt Ion: 95 Resp: 264709

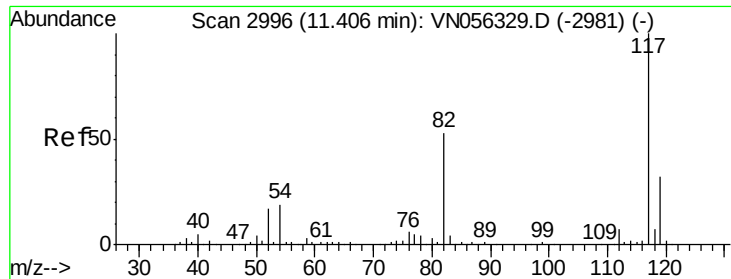
Ion Ratio Lower Upper

95 100

174 89.9 0.0 182.6

176 87.3 0.0 176.8

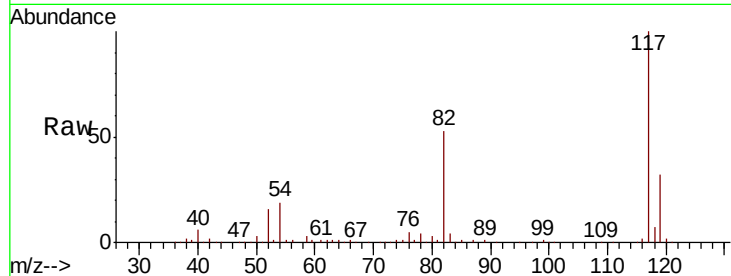




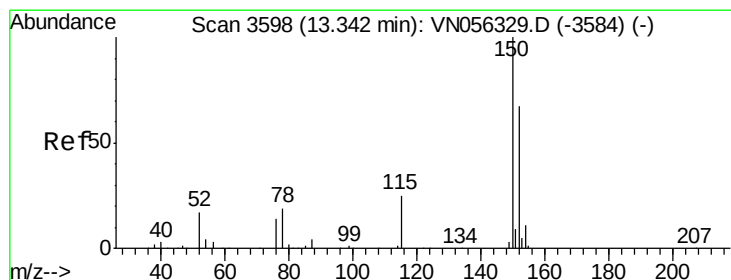
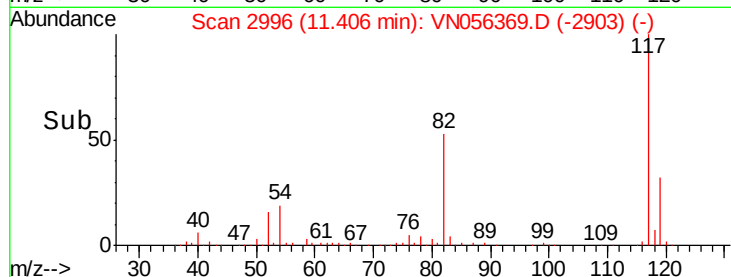
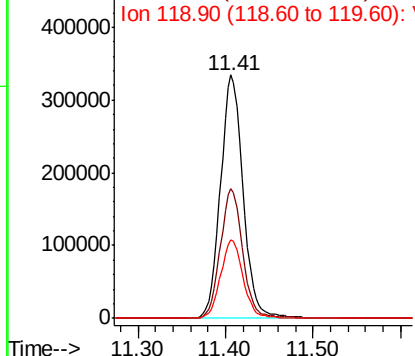
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056369.D
Acq: 18 Jun 2019 16:31

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 599565
Ion Ratio Lower Upper
117 100
82 53.4 42.4 63.6
119 32.4 26.0 39.0

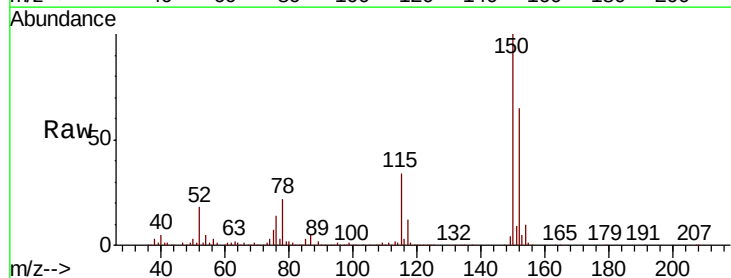


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

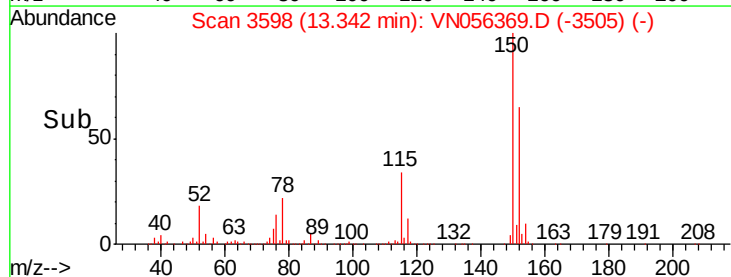
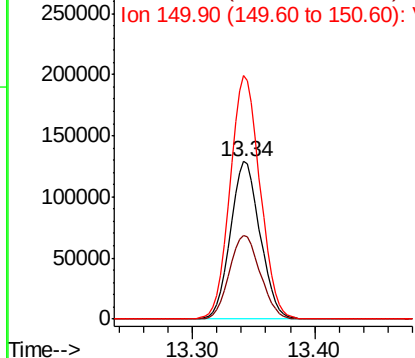


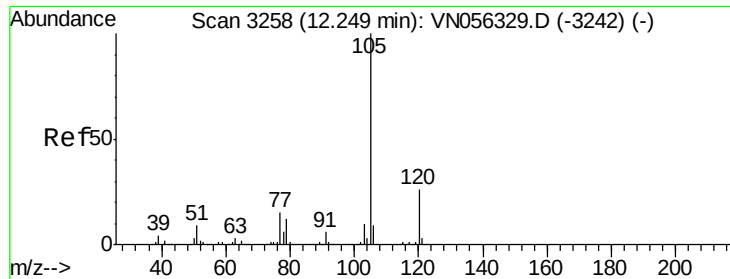
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056369.D
Acq: 18 Jun 2019 16:31

Tgt Ion:152 Resp: 218758
Ion Ratio Lower Upper
152 100
115 55.4 27.8 83.3
150 155.8 0.0 345.8



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: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN056369.D

Acq: 18 Jun 2019 16:31

Instrument :

MSVOA_N

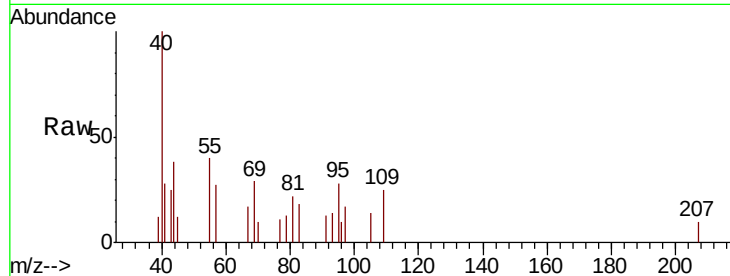
ClientSampleId :

Tot Ion:105 Resp: 266

Ion Ratio Lower Upper

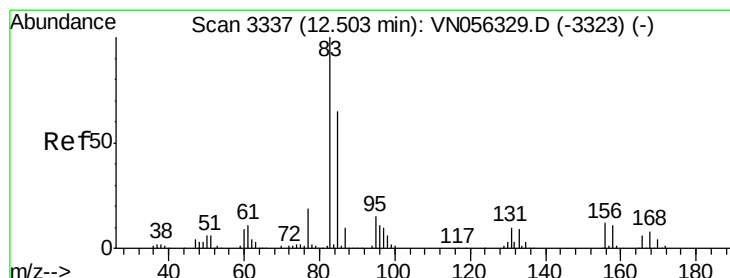
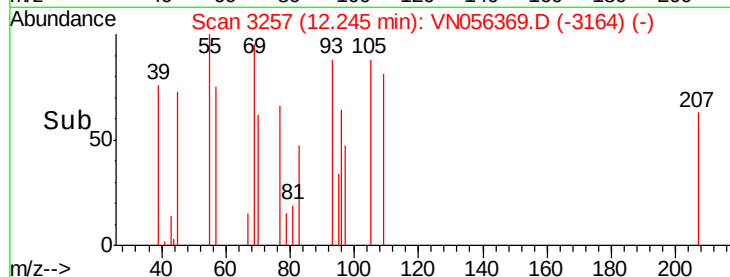
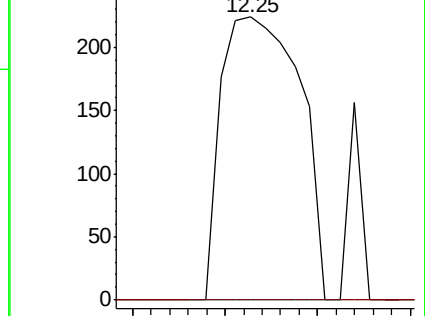
105 100

120 0.0 13.3 39.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056369.D

Acq: 18 Jun 2019 16:31

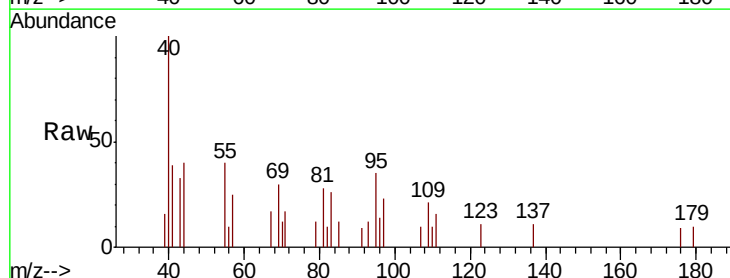
Tgt Ion: 83 Resp: 116

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.8#

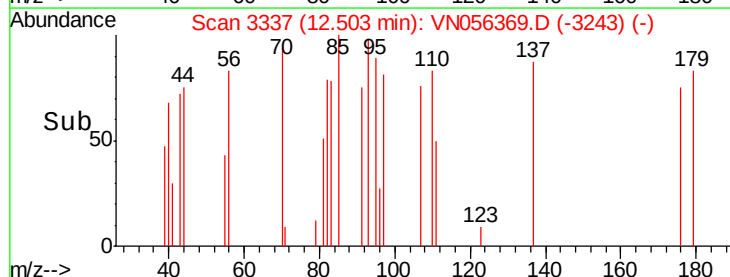
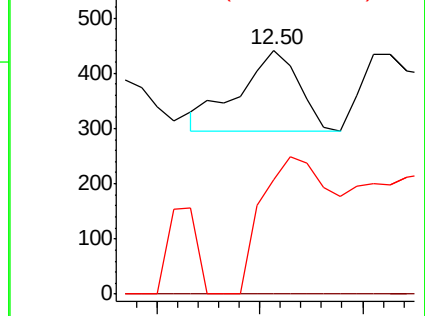
85 203.4 32.2 96.6#

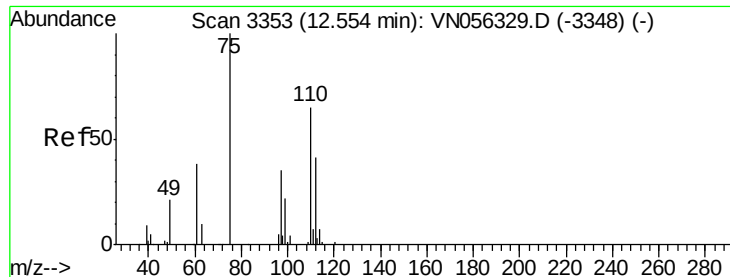


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 25.919 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056369.D

Acq: 18 Jun 2019 16:31

Instrument :

MSVOA_N

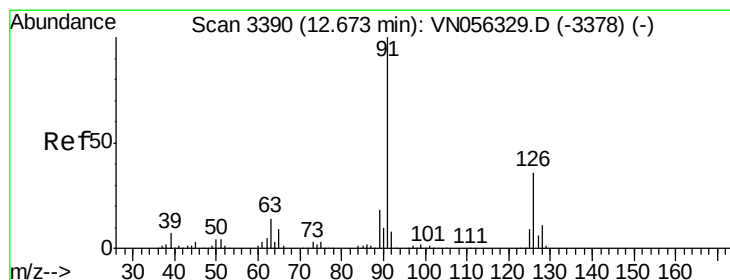
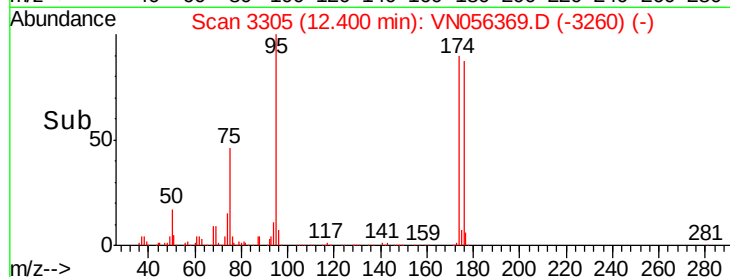
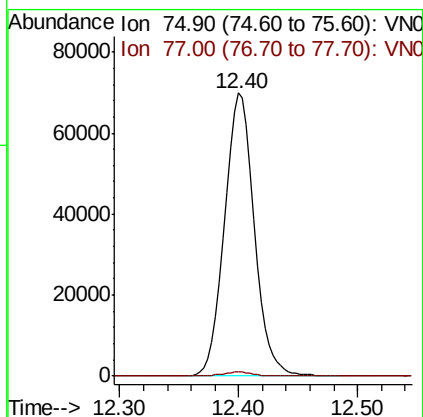
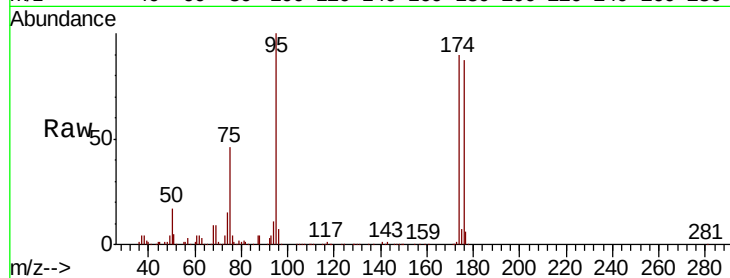
ClientSampleId :

Tot Ion: 75 Resp: 121140

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN056369.D

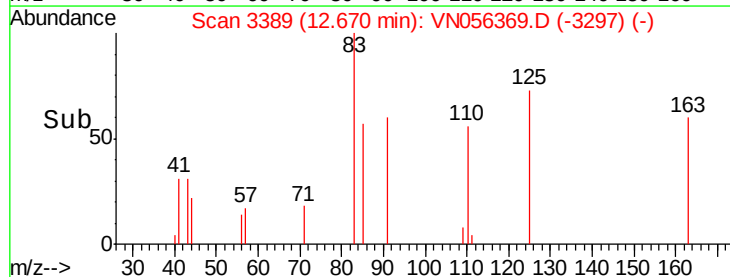
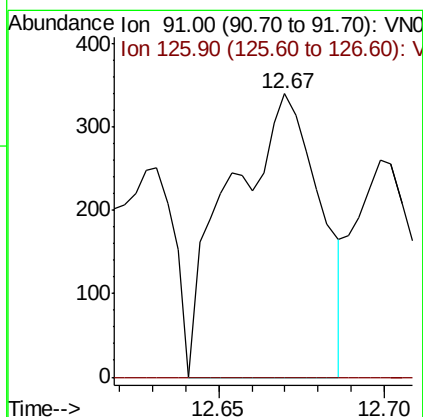
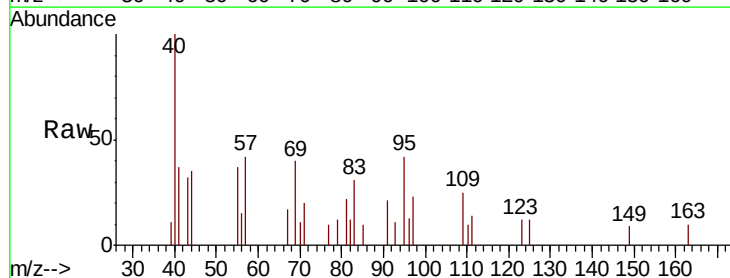
Acq: 18 Jun 2019 16:31

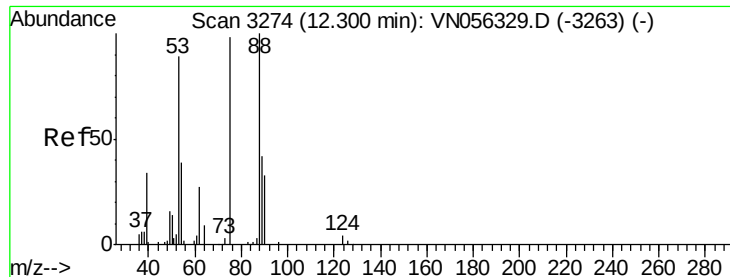
Tgt Ion: 91 Resp: 641

Ion Ratio Lower Upper

91 100

126 0.0 18.0 54.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 80.527 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056369.D

Acq: 18 Jun 2019 16:31

Instrument :

MSVOA_N

ClientSampled :

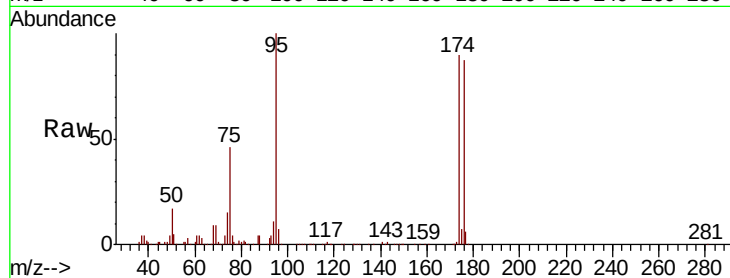
Tot Ion: 75 Resp: 121140

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

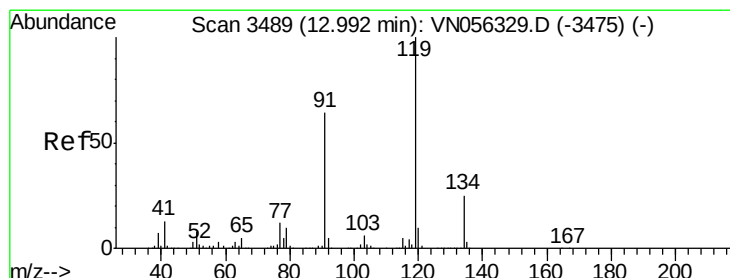
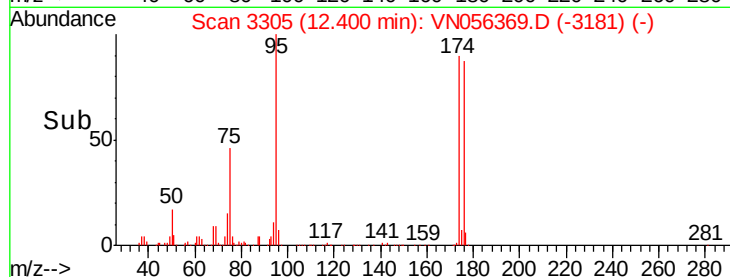
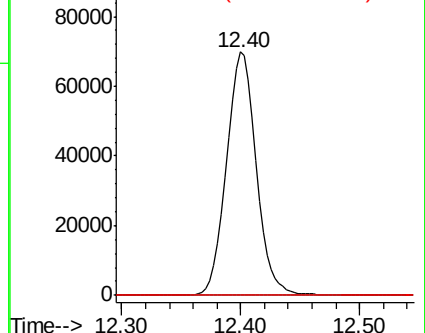
89 0.0 35.4 53.2#



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



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.90 min Scan# 3462

Delta R.T. -0.09 min

Lab File: VN056369.D

Acq: 18 Jun 2019 16:31

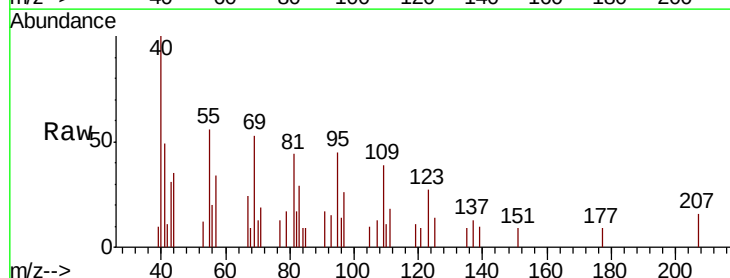
Tgt Ion: 119 Resp: 67

Ion Ratio Lower Upper

119 100

91 0.0 31.5 94.5#

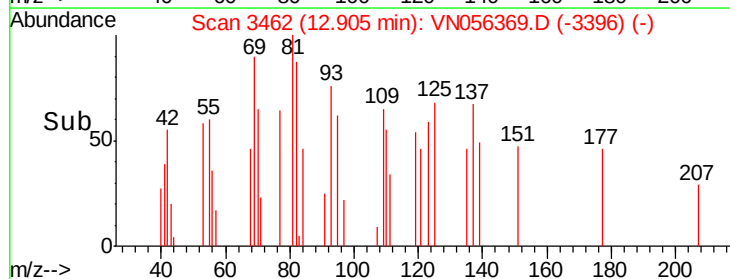
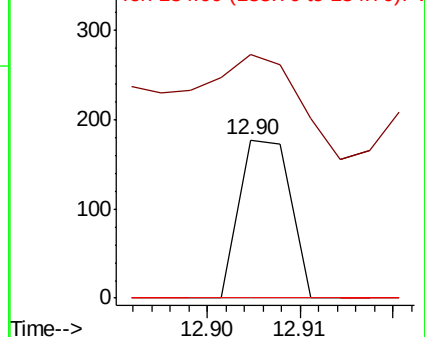
134 0.0 13.6 40.7#

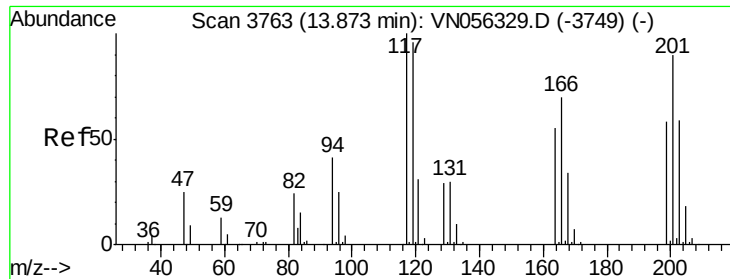


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V

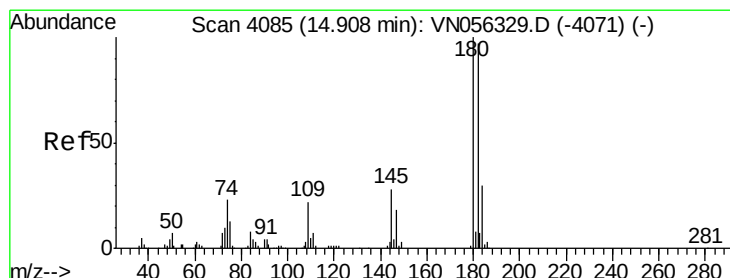
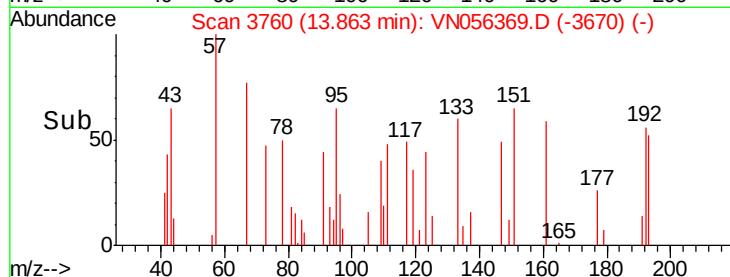
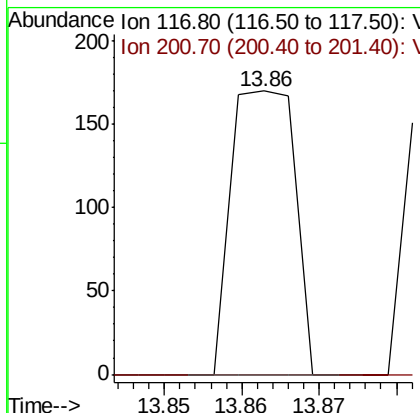
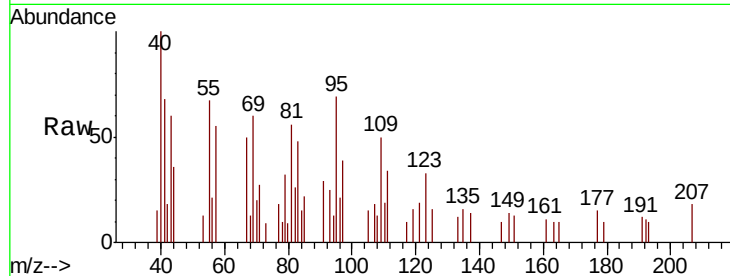




#90
Hexachloroethane
Concen: Below Cal
RT: 13.86 min Scan# 3760
Delta R.T. -0.01 min
Lab File: VN056369.D
Acq: 18 Jun 2019 16:31

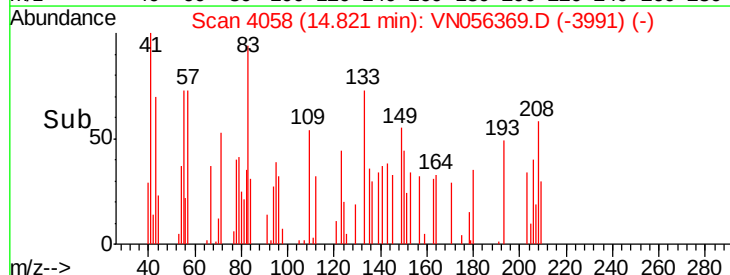
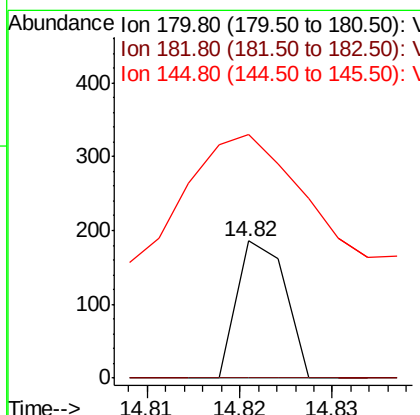
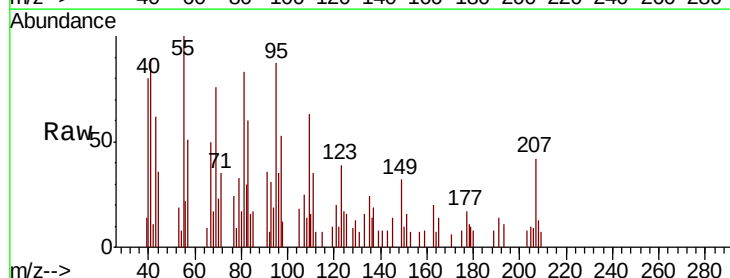
Instrument :
MSVOA_N
ClientSampled :

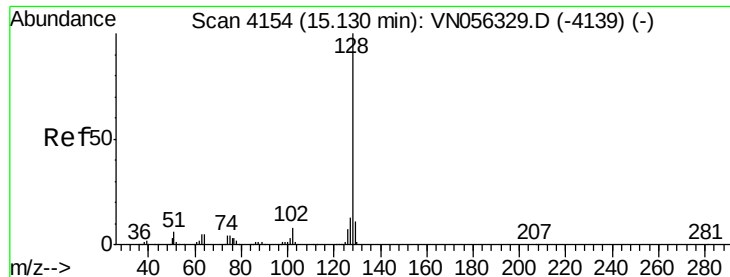
Tot Ion:117 Resp: 97
Ion Ratio Lower Upper
117 100
201 0.0 45.8 137.3#



#93
1,2,4-Trichlorobenzene
Concen: 5.322 ug/l
RT: 14.82 min Scan# 4058
Delta R.T. -0.09 min
Lab File: VN056369.D
Acq: 18 Jun 2019 16:31

Tgt Ion:180 Resp: 67
Ion Ratio Lower Upper
180 100
182 0.0 47.4 142.3#
145 216.4 14.0 41.9#





#95

Naphthalene

Concen: 4.757 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN056369.D

Acq: 18 Jun 2019 16:31

Instrument :

MSVOA_N

ClientSampleId :

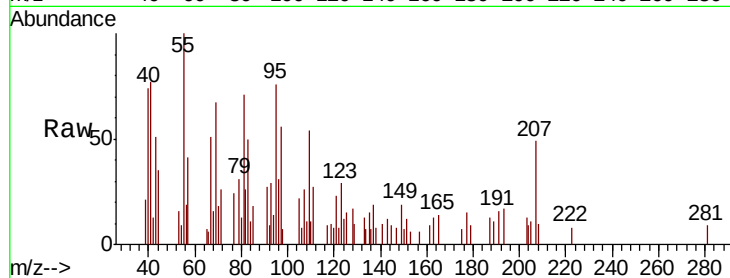
Tot Ion:128 Resp: 1065

Ion Ratio Lower Upper

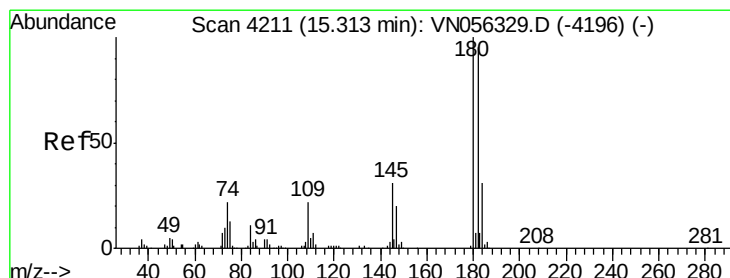
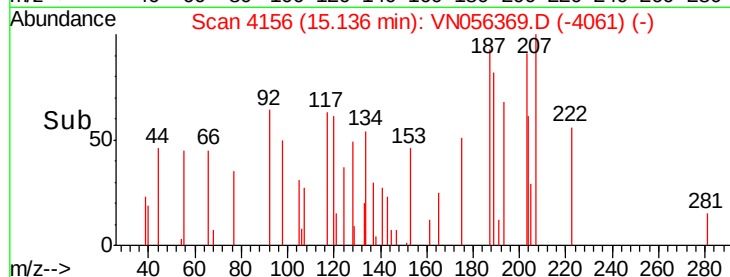
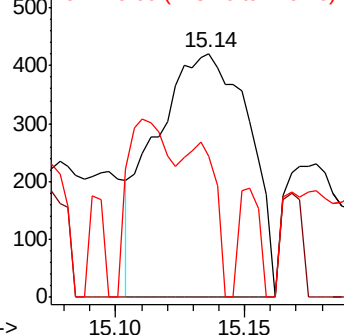
128 100

127 0.0 10.6 15.8#

129 9.5 8.6 12.8



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: 3.811 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056369.D

Acq: 18 Jun 2019 16:31

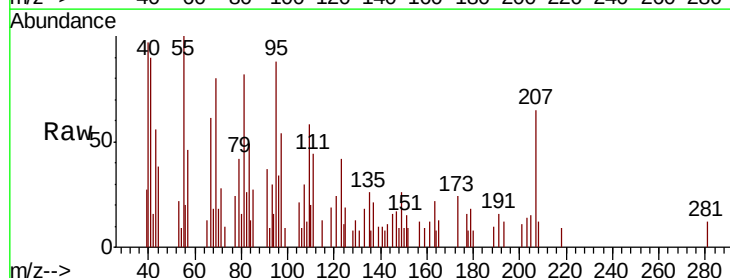
Tgt Ion:180 Resp: 32

Ion Ratio Lower Upper

180 100

182 0.0 47.1 141.4#

145 0.0 14.9 44.9#



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

