

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061819\
 Data File : VN056352.D
 Acq On : 18 Jun 2019 9:46
 Operator : JC/SP
 Sample : VN0618WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 19 01:57:24 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	347404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	574297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	567249	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	177095	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	196393	50.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.56%	
35) Dibromofluoromethane	7.59	113	171021	46.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.88%	
50) Toluene-d8	10.09	98	719488	51.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.28%	
62) 4-Bromofluorobenzene	12.40	95	233071	49.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.98%	

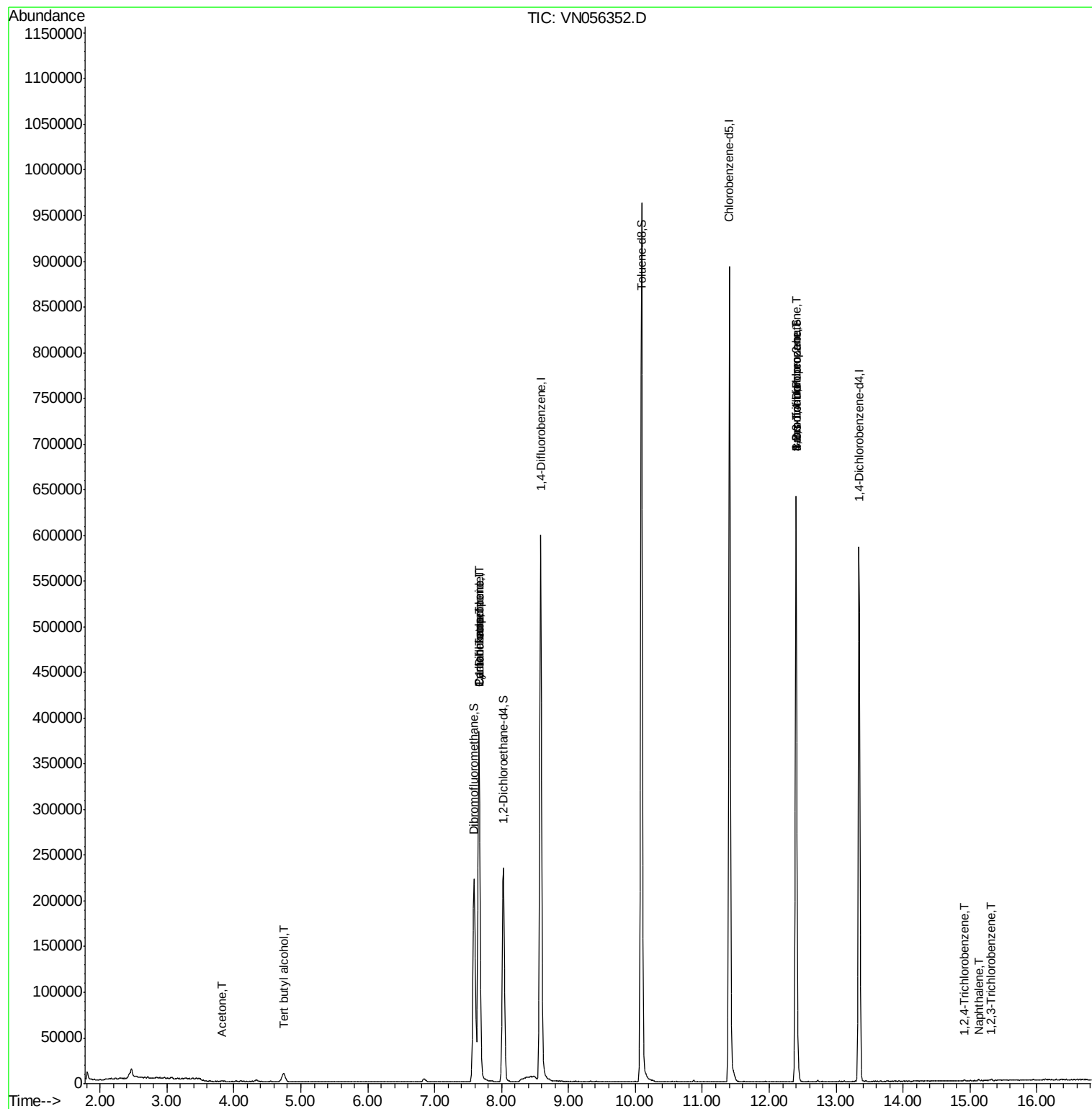
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	9324	15.169	ug/l #	73
16) Acetone	3.82	43	684	0.317	ug/l #	42
18) Methyl Acetate	4.33	43	4284	Below Cal	#	66
31) Cyclohexane	7.66	56	5642	0.937	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	23428	4.533	ug/l #	47
38) Carbon Tetrachloride	7.66	117	30691	6.187	ug/l #	15
71) Bromoform	12.40	173	1685	0.504	ug/l #	1
73) Isopropylbenzene	12.40	105	196	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	107598	28.437	ug/l #	100
79) 2-Chlorotoluene	12.59	91	249	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	107598	88.352	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.92	180	504	5.453	ug/l #	46
95) Naphthalene	15.13	128	1218	4.797	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	686	4.001	ug/l #	79

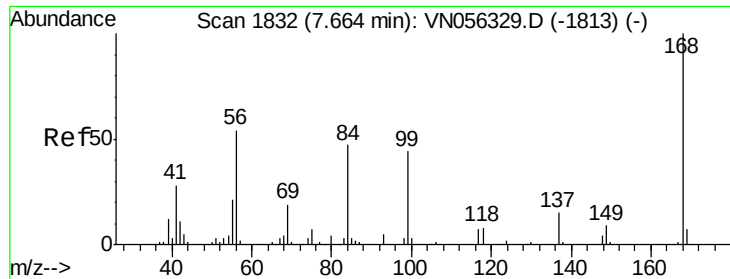
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN056352.D

Acq: 18 Jun 2019 9:46

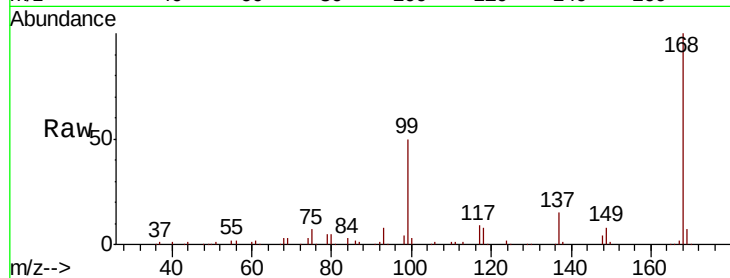
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 347404

Ion Ratio Lower Upper

168 100

99 49.7 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

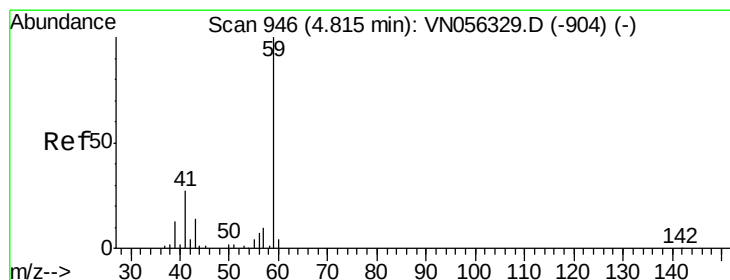
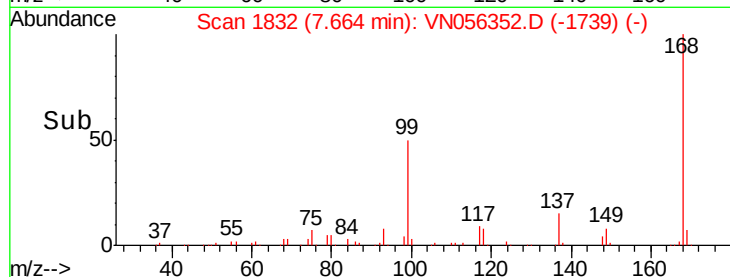
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 15.169 ug/l

RT: 4.74 min Scan# 922

Delta R.T. -0.08 min

Lab File: VN056352.D

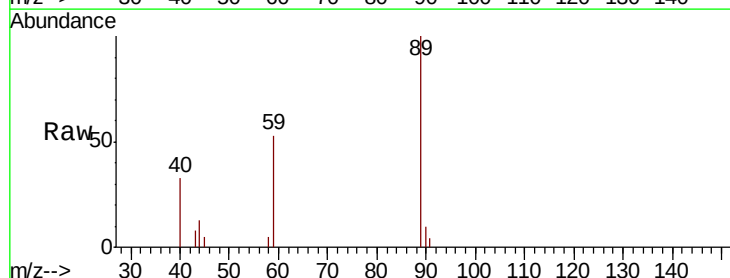
Acq: 18 Jun 2019 9:46

Tgt Ion: 59 Resp: 9324

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.74

3000

2500

2000

1500

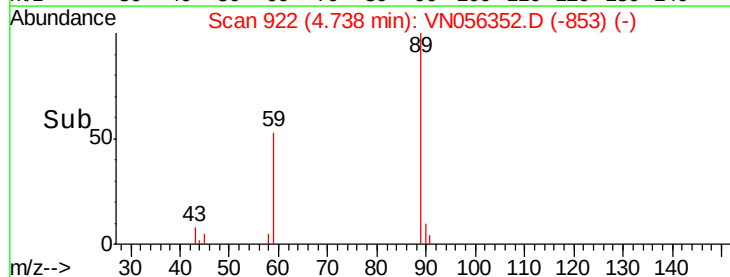
1000

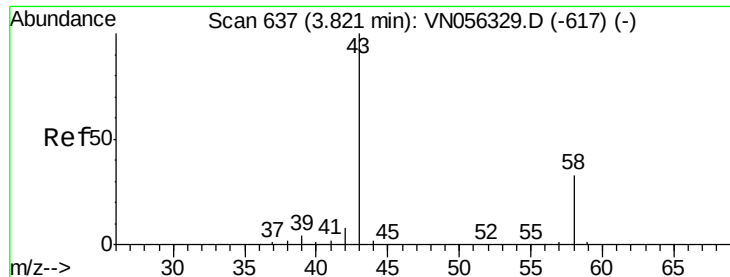
500

0

4.65 4.70 4.75 4.80 4.85

Time-->





#16

Acetone

Concen: 0.317 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN056352.D

Acq: 18 Jun 2019 9:46

Instrument :

MSVOA_N

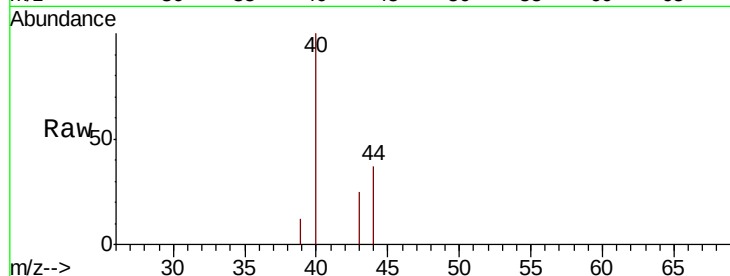
ClientSampled :

Tot Ion: 43 Resp: 684

Ion Ratio Lower Upper

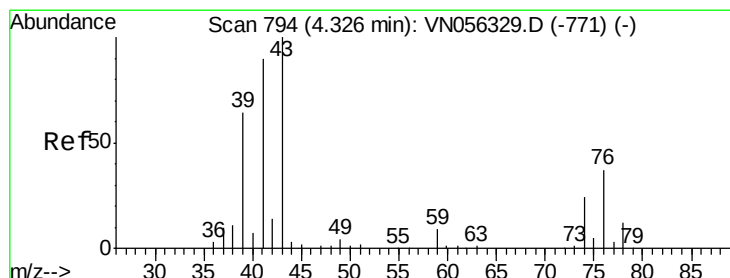
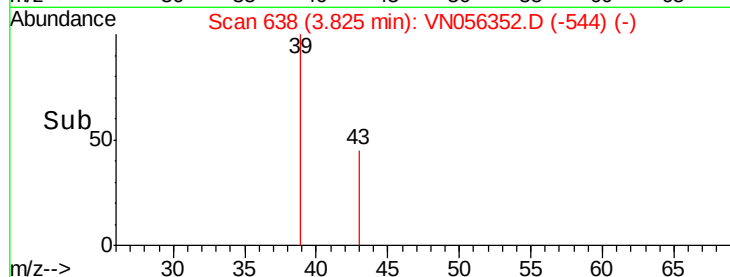
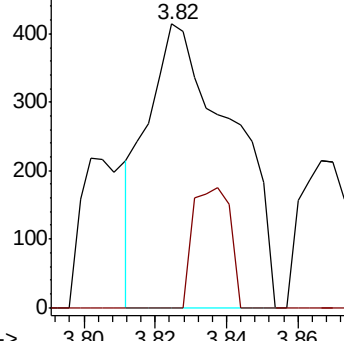
43 100

58 0.0 26.5 39.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN056352.D

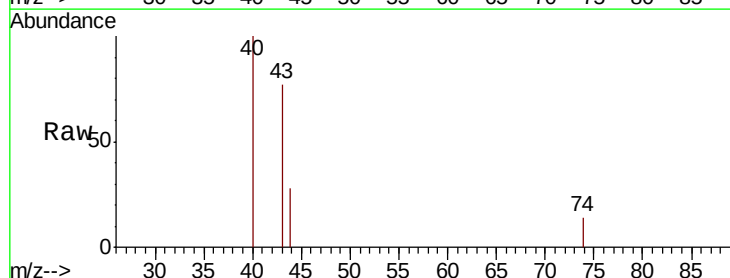
Acq: 18 Jun 2019 9:46

Tgt Ion: 43 Resp: 4284

Ion Ratio Lower Upper

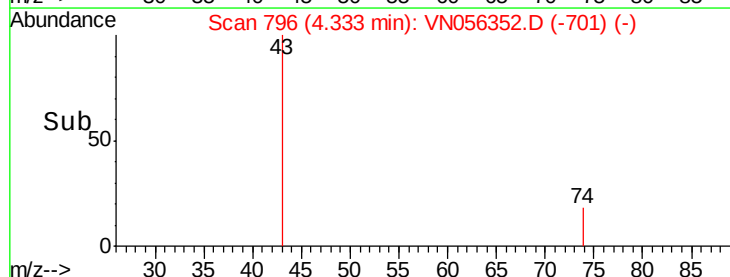
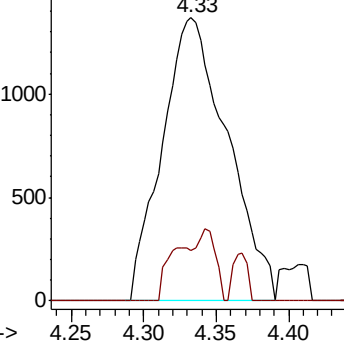
43 100

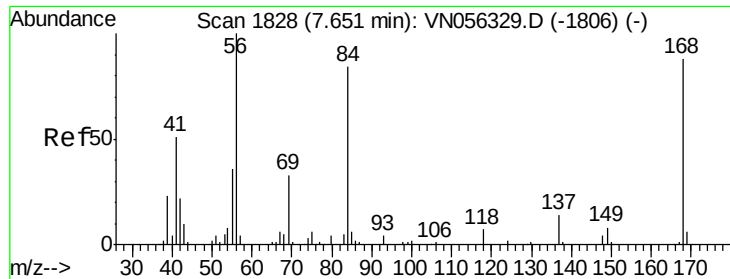
74 7.5 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

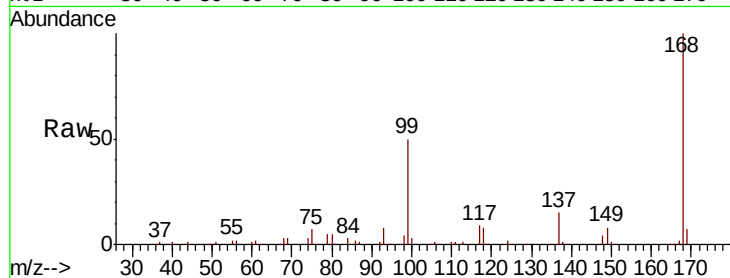




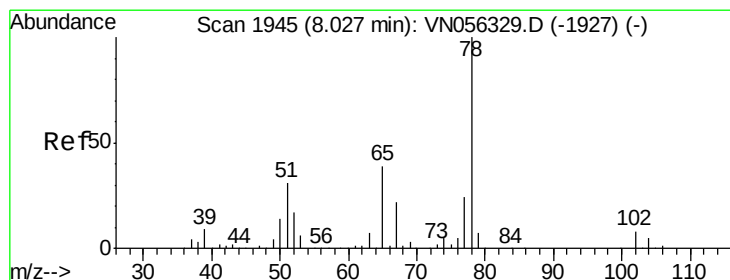
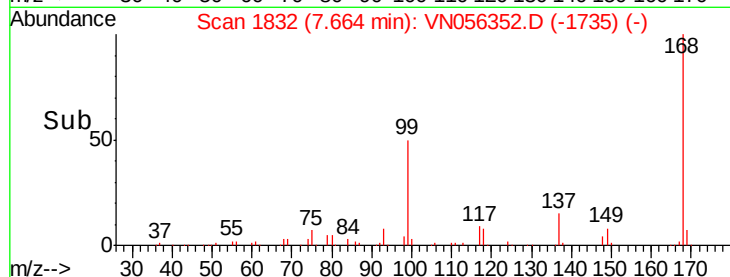
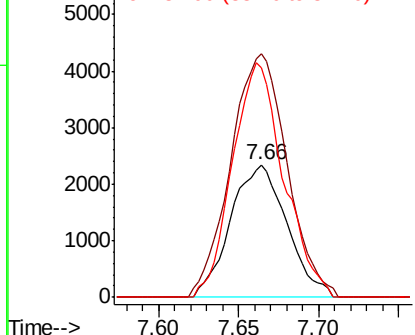
#31
Cyclohexane
Concen: 0.937 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN056352.D
Acq: 18 Jun 2019 9:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 5642
Ion Ratio Lower Upper
56 100
69 184.1 26.0 39.0#
84 173.8 67.4 101.0#

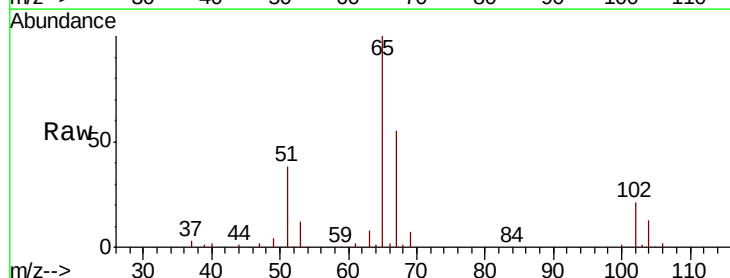


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

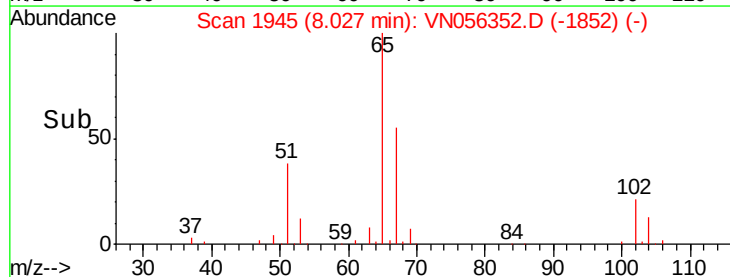
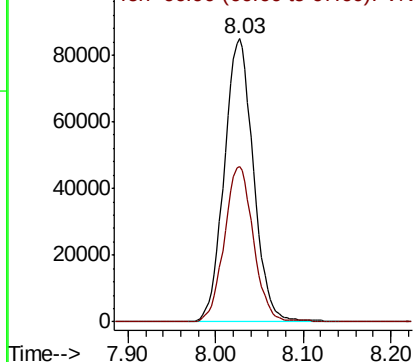


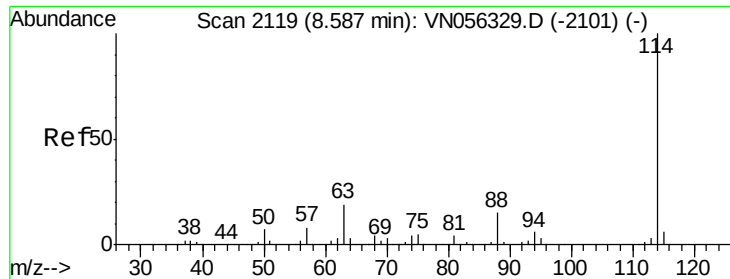
#33
1,2-Dichloroethane-d4
Concen: 50.277 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN056352.D
Acq: 18 Jun 2019 9:46

Tgt Ion: 65 Resp: 196393
Ion Ratio Lower Upper
65 100
67 54.3 0.0 110.8



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2119

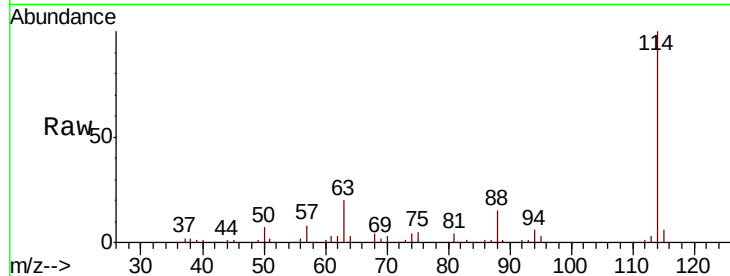
Delta R.T. -0.00 min

Lab File: VN056352.D

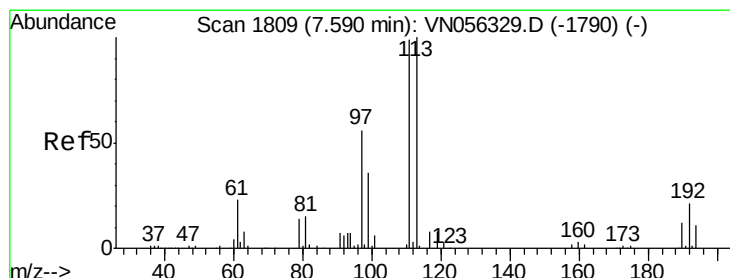
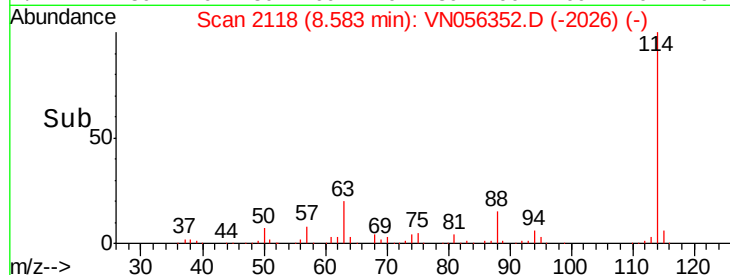
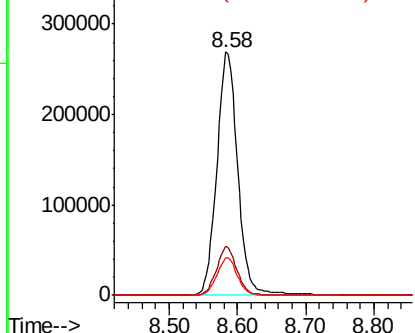
Acq: 18 Jun 2019 9:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114	Resp:	574297
Ion Ratio	Lower	Upper
114 100		
63 20.0	0.0	38.8
88 15.2	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: 46.437 ug/l

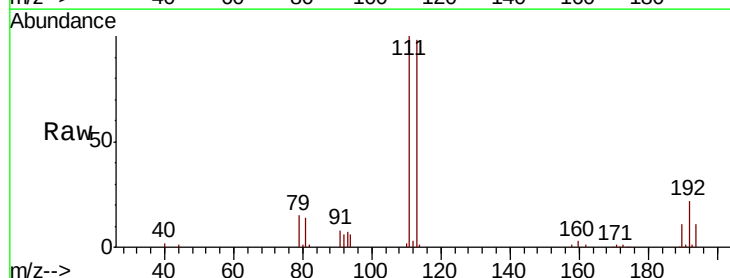
RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

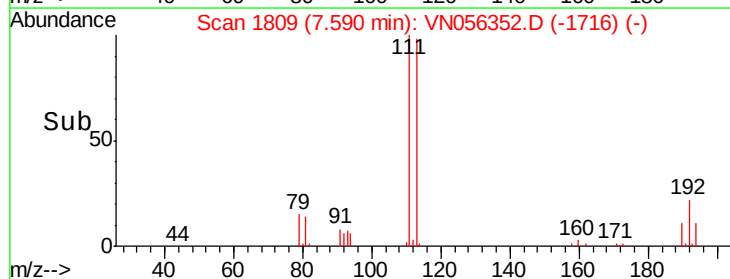
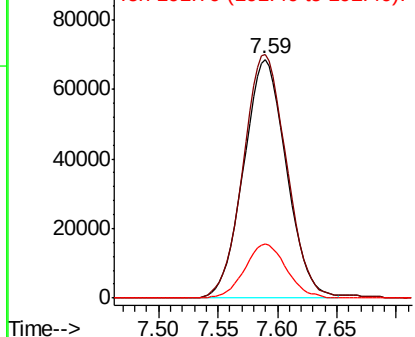
Lab File: VN056352.D

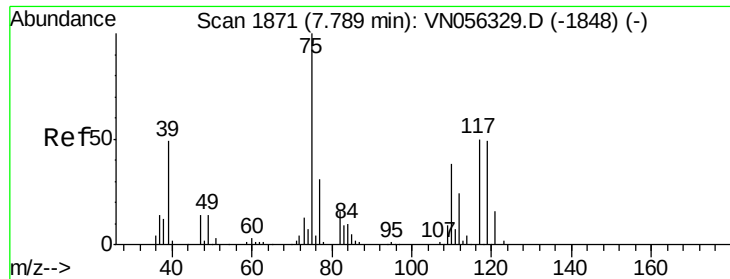
Acq: 18 Jun 2019 9:46

Tgt Ion:113	Resp:	171021
Ion Ratio	Lower	Upper
113 100		
111 103.3	82.1	123.1
192 22.3	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

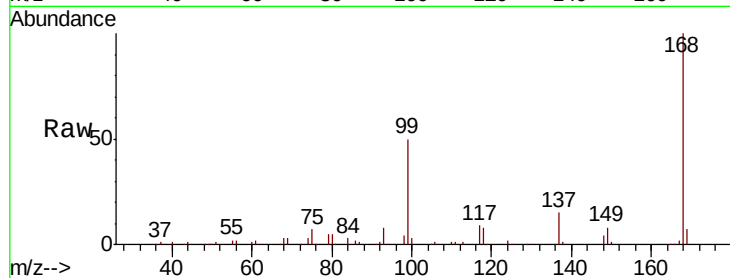




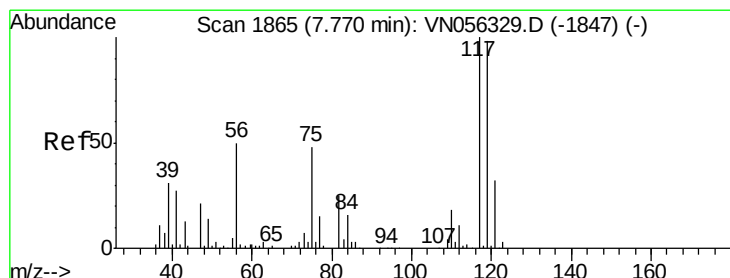
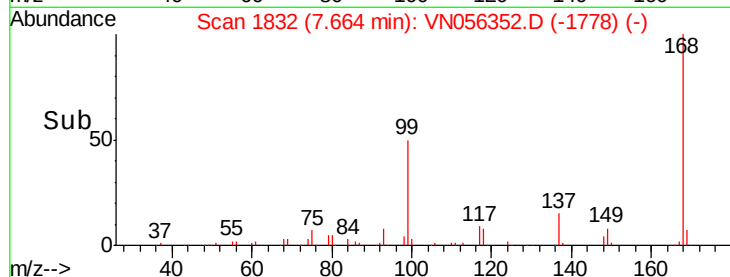
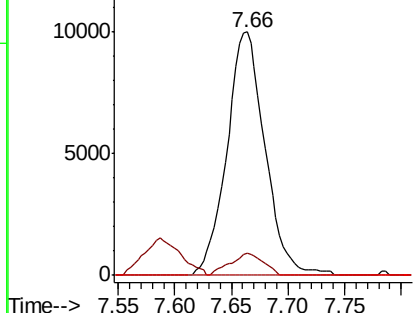
#36
 1,1-Dichloropropene
 Concen: 4.533 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056352.D
 Acq: 18 Jun 2019 9:46

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	75	Resp	23428
Ion Ratio	100	Lower	Upper
75	100		
110	7.9	18.6	56.0#
77	0.0	25.0	37.6#

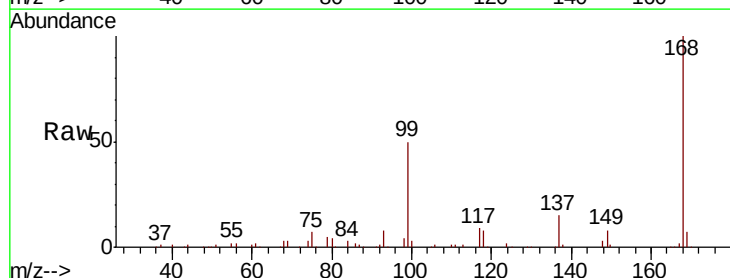


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

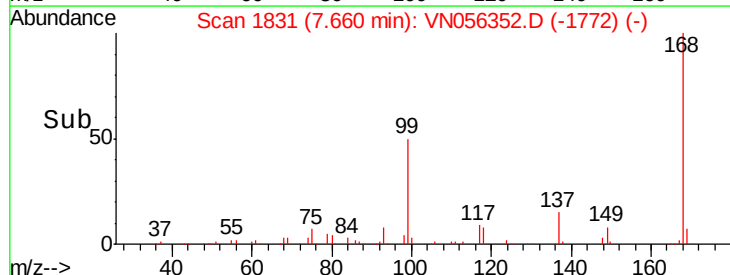
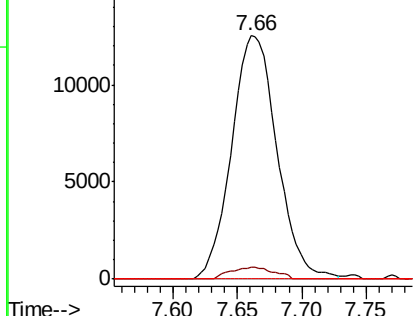


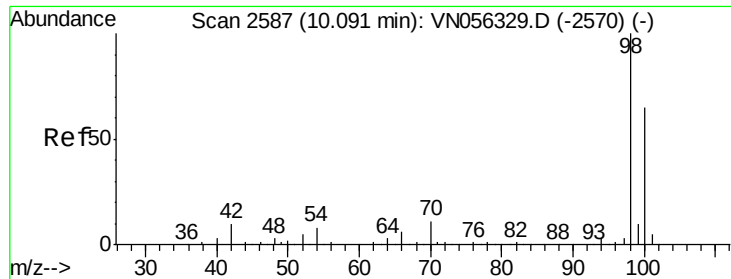
#38
 Carbon Tetrachloride
 Concen: 6.187 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN056352.D
 Acq: 18 Jun 2019 9:46

Tgt Ion	117	Resp	30691
Ion Ratio	100	Lower	Upper
117	100		
119	4.8	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





#50

Toluene-d8

Concen: 51.138 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN056352.D

Acq: 18 Jun 2019 9:46

Instrument :

MSVOA_N

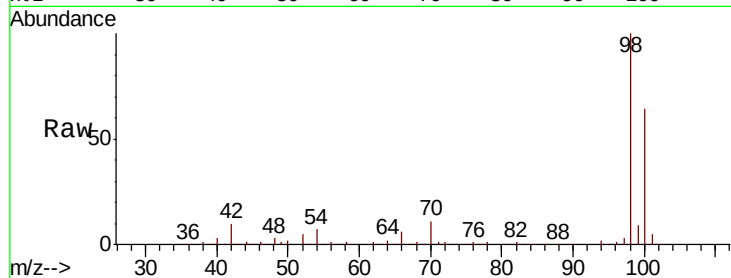
ClientSampled :

Tot Ion: 98 Resp: 719488

Ion Ratio Lower Upper

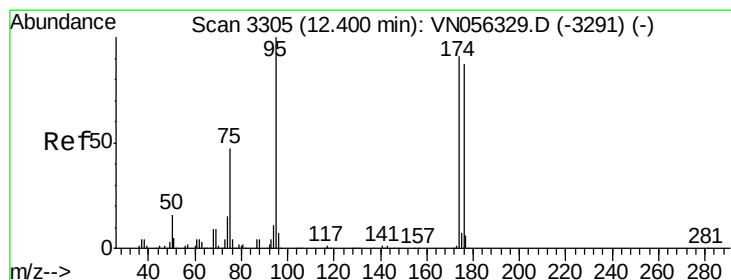
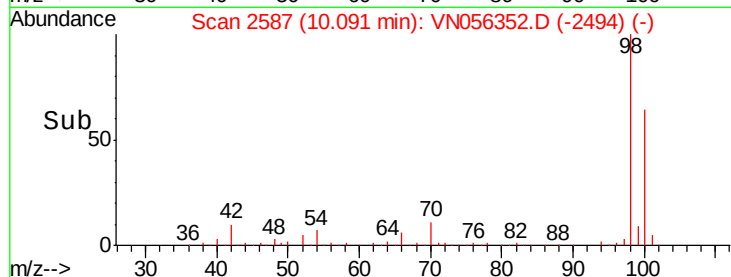
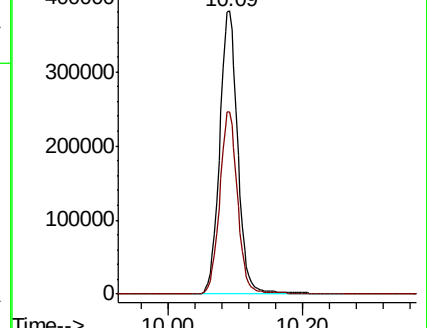
98 100

100 63.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: 49.991 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056352.D

Acq: 18 Jun 2019 9:46

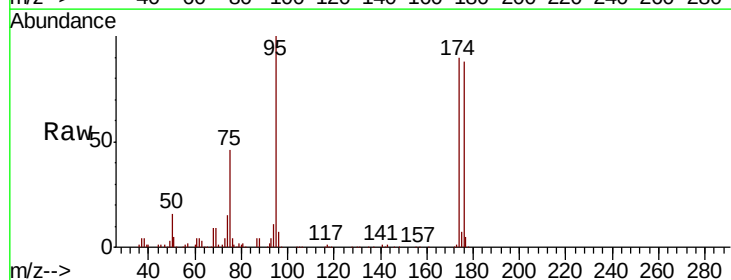
Tgt Ion: 95 Resp: 233071

Ion Ratio Lower Upper

95 100

174 90.8 0.0 182.6

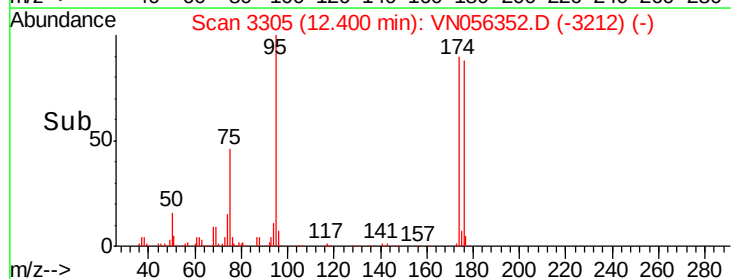
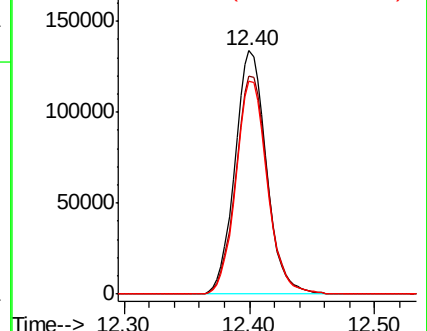
176 87.5 0.0 176.8

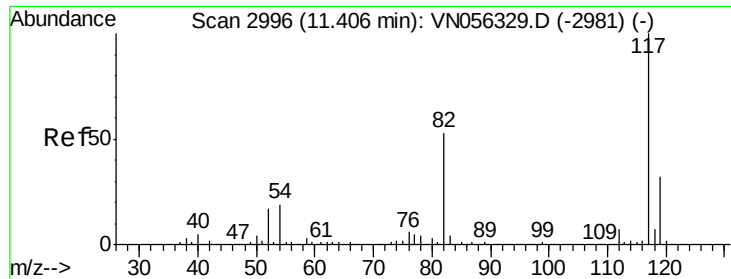


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

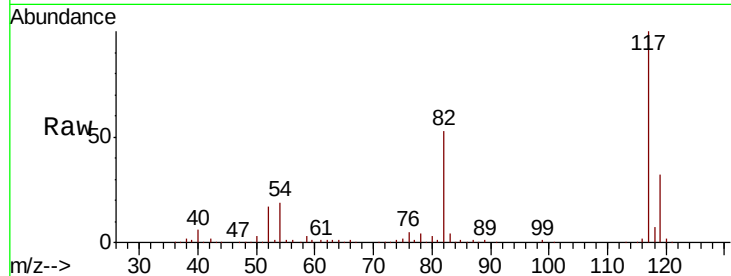




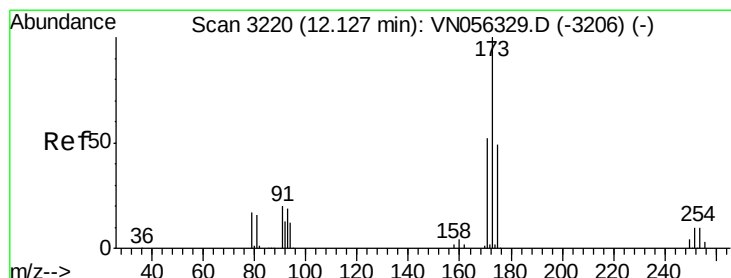
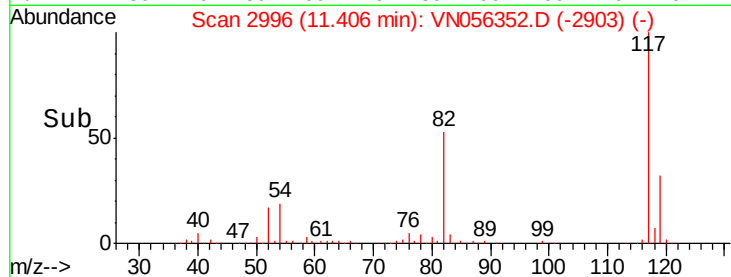
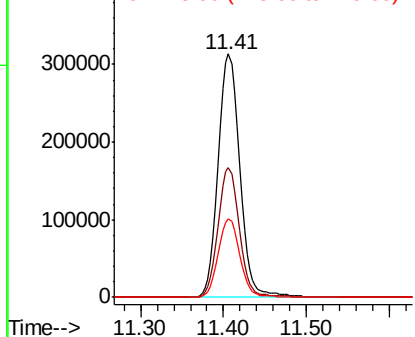
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056352.D
Acq: 18 Jun 2019 9:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 567249
Ion Ratio Lower Upper
117 100
82 53.5 42.4 63.6
119 32.2 26.0 39.0

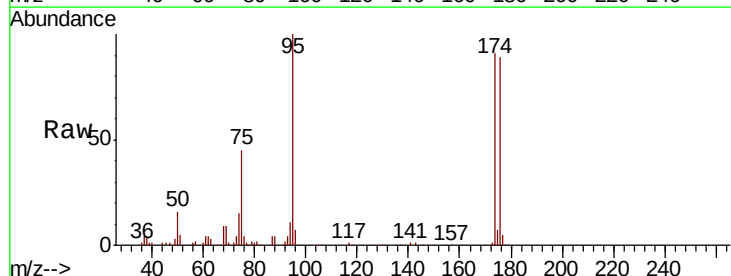


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

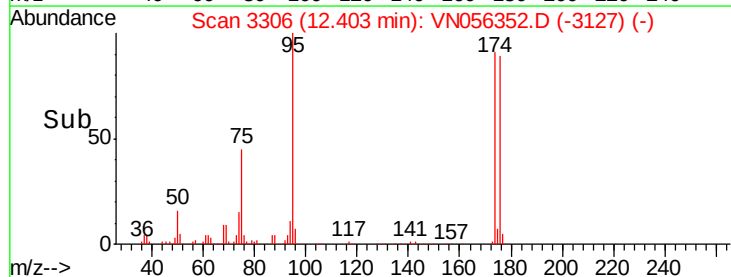
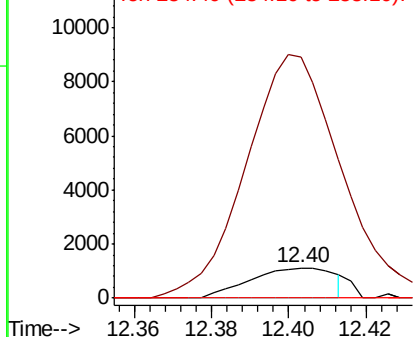


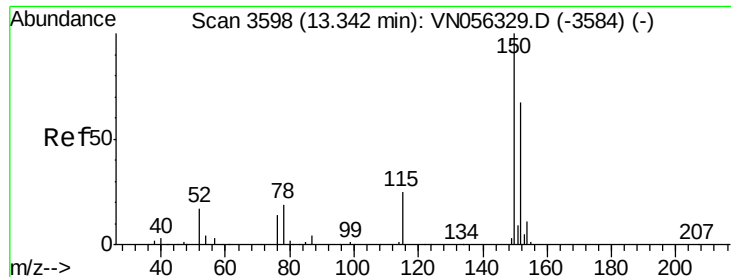
#71
Bromoform
Concen: 0.504 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056352.D
Acq: 18 Jun 2019 9:46

Tgt Ion:173 Resp: 1685
Ion Ratio Lower Upper
173 100
175 786.3 24.3 73.0#
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



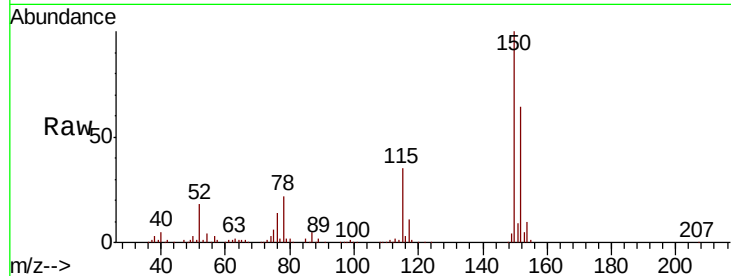


#72

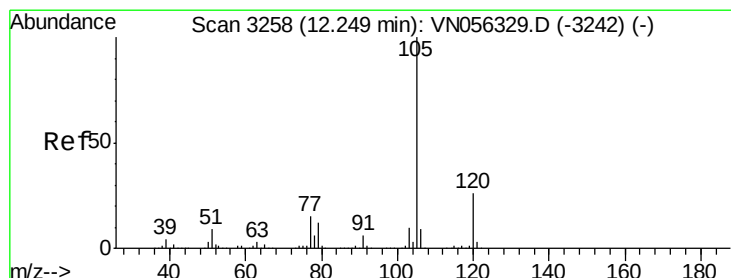
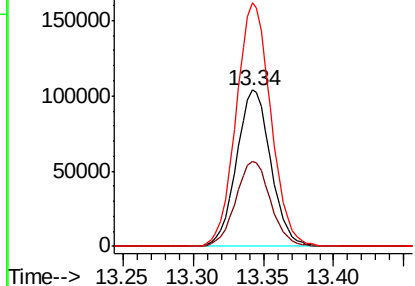
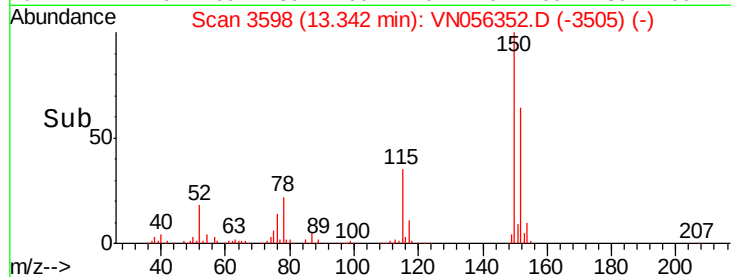
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056352.D
Acq: 18 Jun 2019 9:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.8	83.3
150	157.3	0.0	345.8



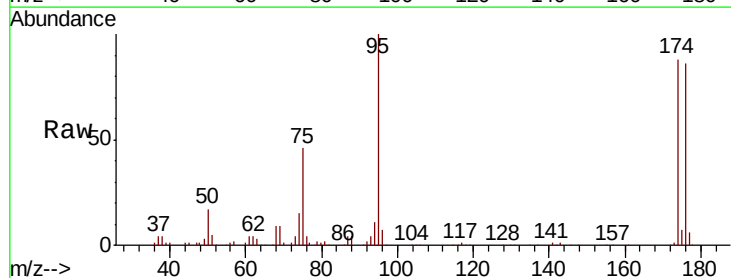
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



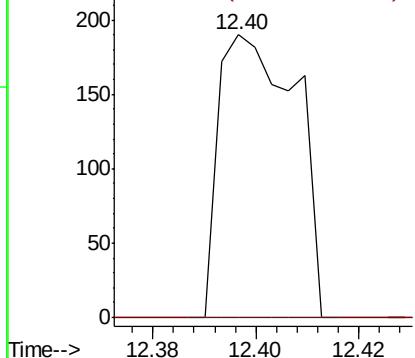
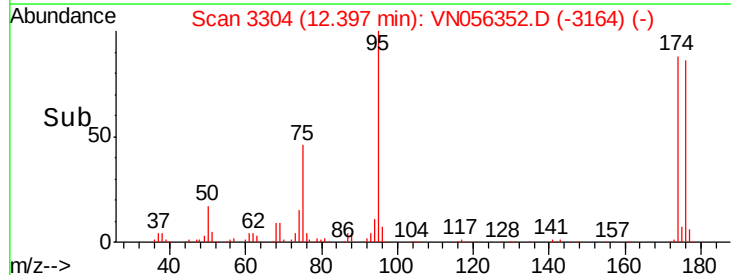
#73

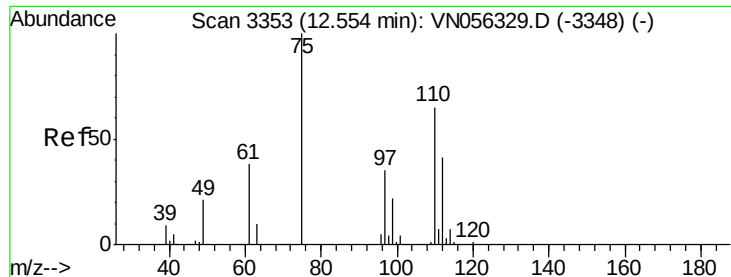
Isopropylbenzene
Concen: Below Cal
RT: 12.40 min Scan# 3304
Delta R.T. 0.15 min
Lab File: VN056352.D
Acq: 18 Jun 2019 9:46

Tgt 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





#76

1,2,3-Trichloropropane

Concen: 28.437 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056352.D

Acq: 18 Jun 2019 9:46

Instrument :

MSVOA_N

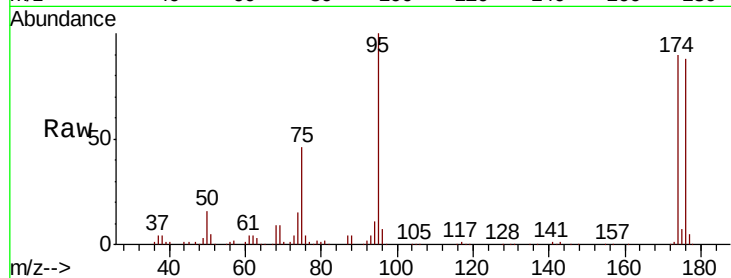
ClientSampleId :

Tot Ion: 75 Resp: 107598

Ion Ratio Lower Upper

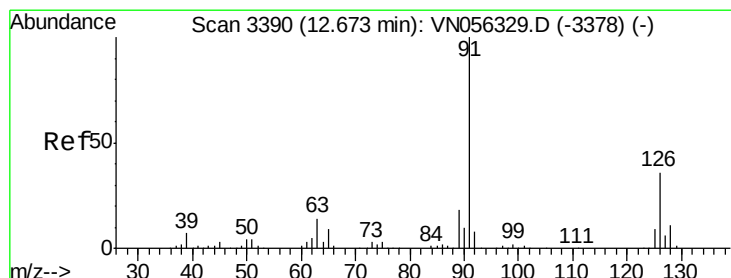
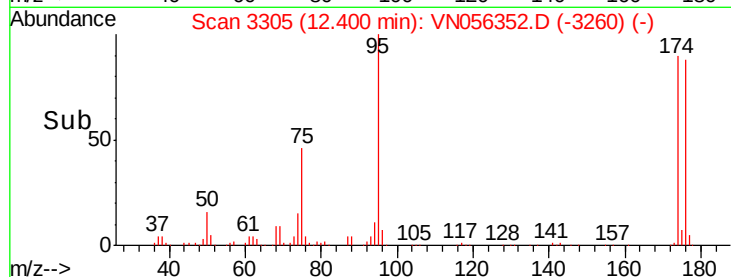
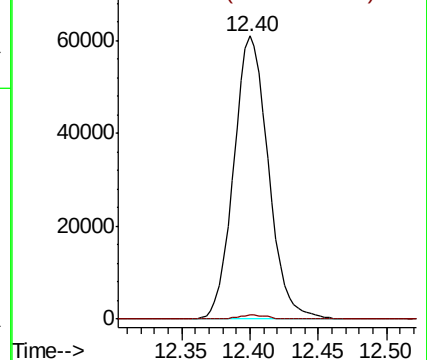
75 100

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



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN056352.D

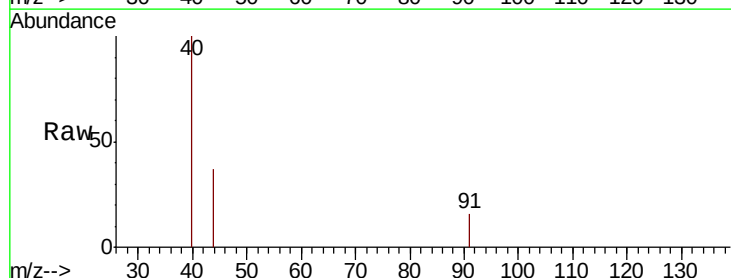
Acq: 18 Jun 2019 9:46

Tgt Ion: 91 Resp: 249

Ion Ratio Lower Upper

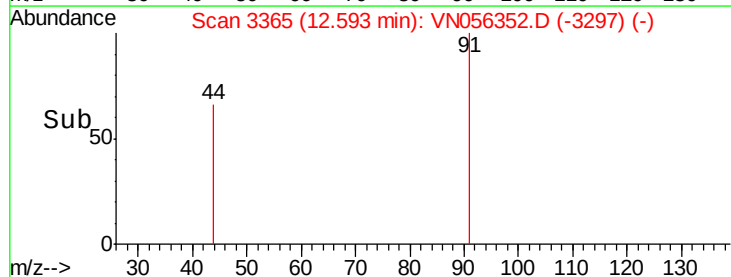
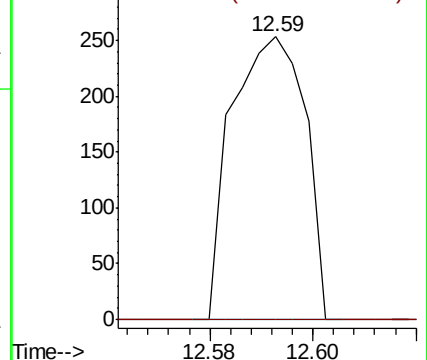
91 100

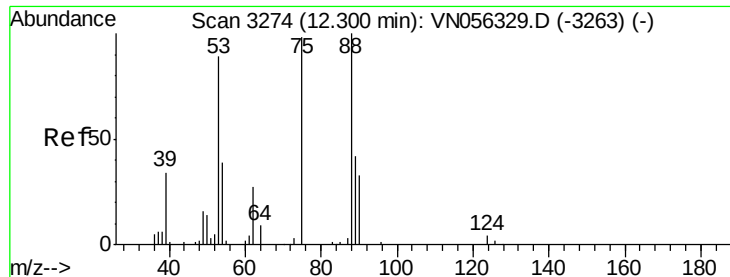
126 0.0 18.0 54.0#



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: 88.352 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056352.D

Acq: 18 Jun 2019 9:46

Instrument :

MSVOA_N

ClientSampleId :

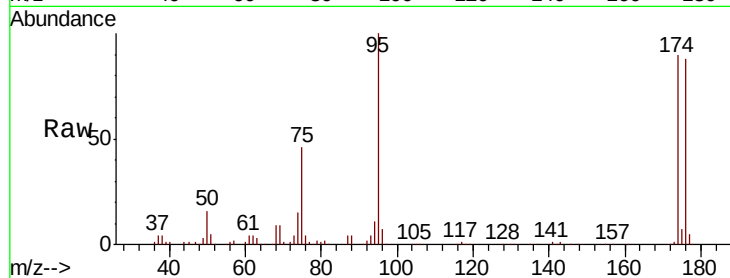
Tot Ion: 75 Resp: 107598

Ion Ratio Lower Upper

75 100

53 0.0 73.5 110.3#

89 0.0 35.4 53.2#

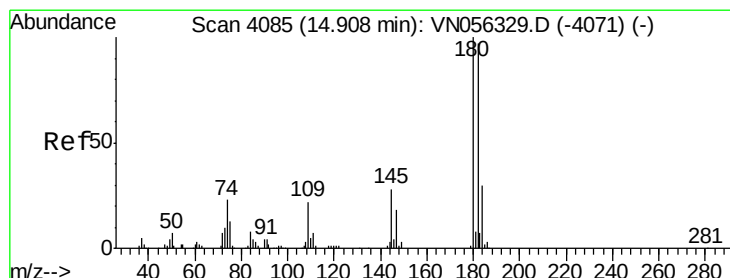
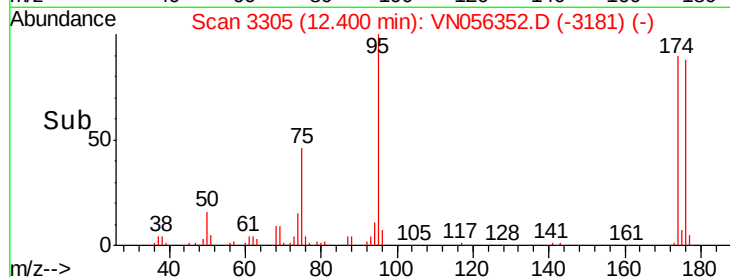
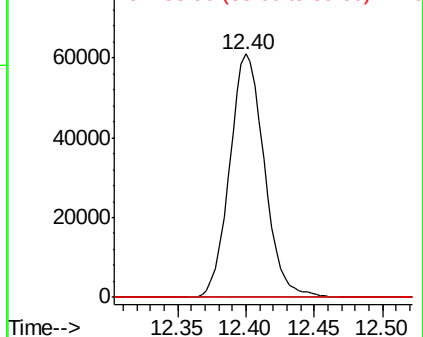


Abundance

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



#93

1,2,4-Trichlorobenzene

Concen: 5.453 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.01 min

Lab File: VN056352.D

Acq: 18 Jun 2019 9:46

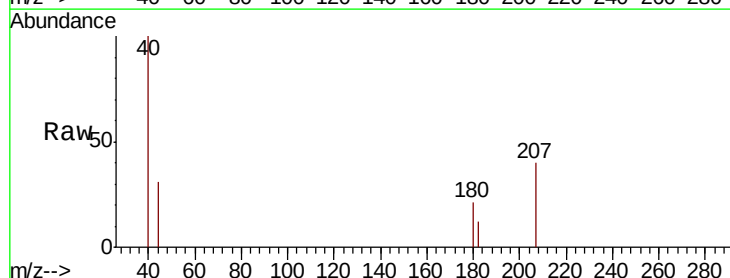
Tgt Ion:180 Resp: 504

Ion Ratio Lower Upper

180 100

182 42.7 47.4 142.3#

145 0.0 14.0 41.9#

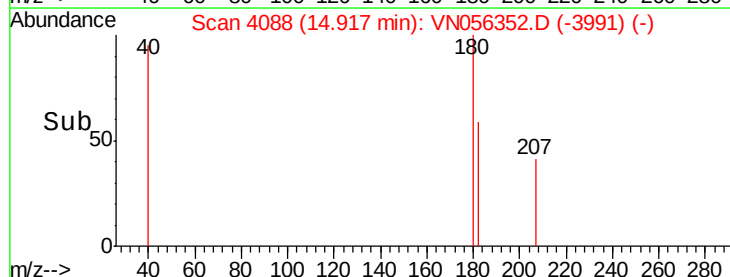
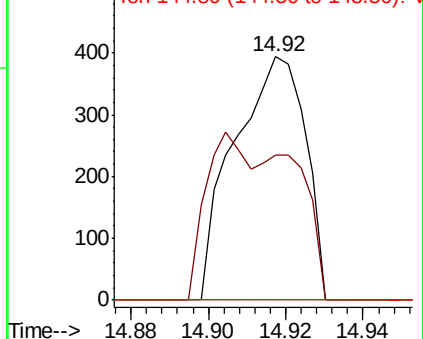


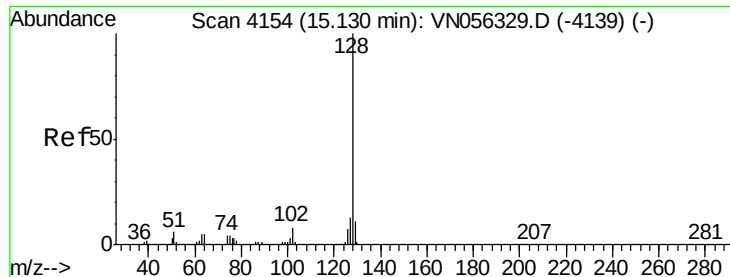
Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

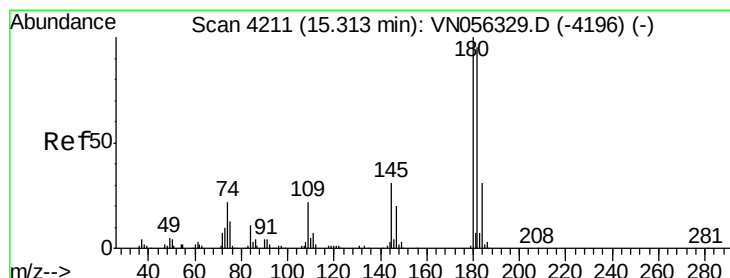
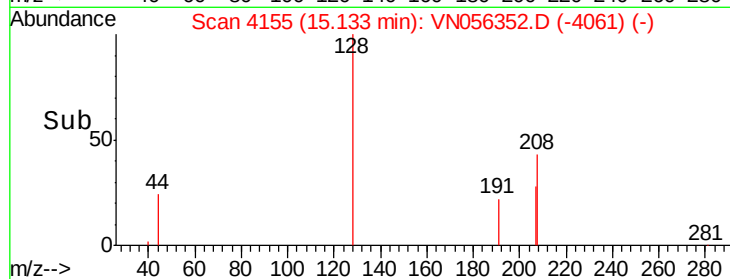
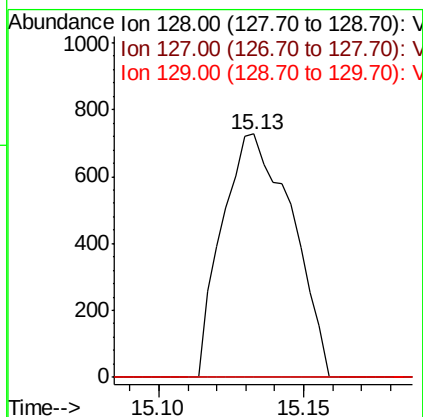
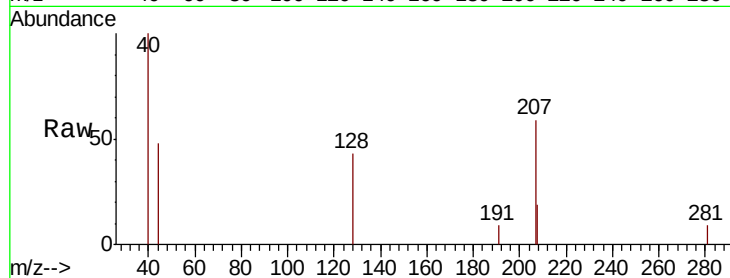




#95
Naphthalene
Concen: 4.797 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN056352.D
Acq: 18 Jun 2019 9:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 1218
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 4.001 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN056352.D
Acq: 18 Jun 2019 9:46

Tgt Ion:180 Resp: 686
Ion Ratio Lower Upper
180 100
182 103.8 47.1 141.4
145 0.0 14.9 44.9#

