

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061319\
 Data File : VN056275.D
 Acq On : 13 Jun 2019 12:44
 Operator : JC/SP
 Sample : K3345-17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 14 01:11:22 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	7.67	168	336365	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	560145	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	548554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	157395	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	189941	56.87	ug/l	0.00
Spiked Amount			Recovery	=	113.74%	
35) Dibromofluoromethane	7.59	113	173214	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
50) Toluene-d8	10.09	98	690760	52.23	ug/l	0.00
Spiked Amount			Recovery	=	104.46%	
62) 4-Bromofluorobenzene	12.40	95	213957	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	

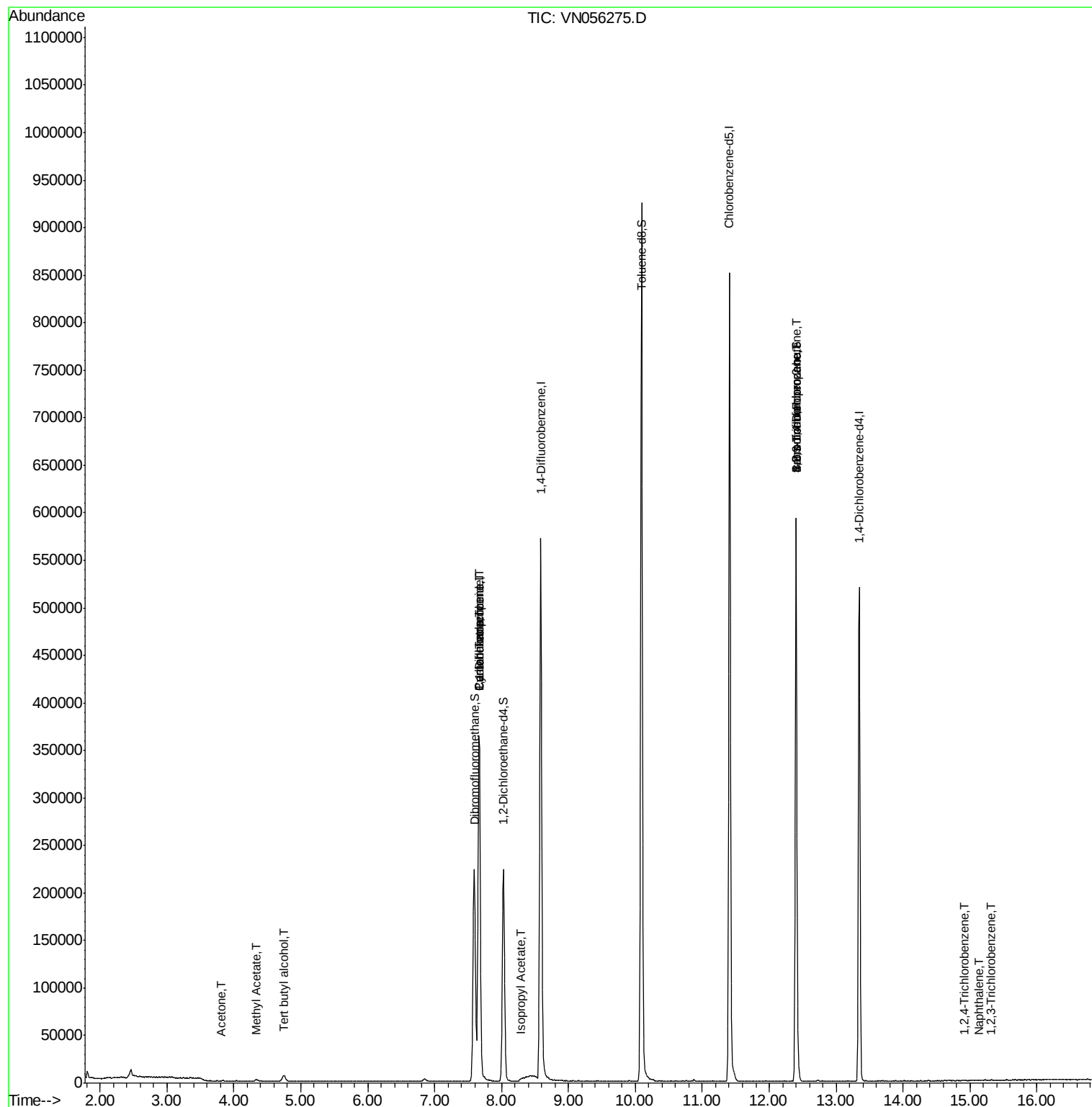
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	6220	10.702	ug/l #	74
16) Acetone	3.82	43	341	0.213	ug/l #	41
18) Methyl Acetate	4.33	43	3542	0.557	ug/l #	83
31) Cyclohexane	7.66	56	5360	1.011	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	21764	4.519	ug/l #	47
38) Carbon Tetrachloride	7.67	117	28599	6.440	ug/l #	15
43) Isopropyl Acetate	8.29	43	2580	0.372	ug/l #	53
71) Bromoform	12.40	173	1848	3.294	ug/l #	1
73) Isopropylbenzene	12.40	105	166	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	100188	34.594	ug/l #	100
79) 2-Chlorotoluene	12.60	91	124	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	100188	115.203	ug/l #	15
83) tert-Butylbenzene	13.00	119	30	Below Cal	#	28
93) 1,2,4-Trichlorobenzene	14.91	180	240	4.345	ug/l #	77
95) Naphthalene	15.14	128	535	3.917	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	337	3.138	ug/l #	47

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056275.D

Acq: 13 Jun 2019 12:44

Instrument :

MSVOA_N

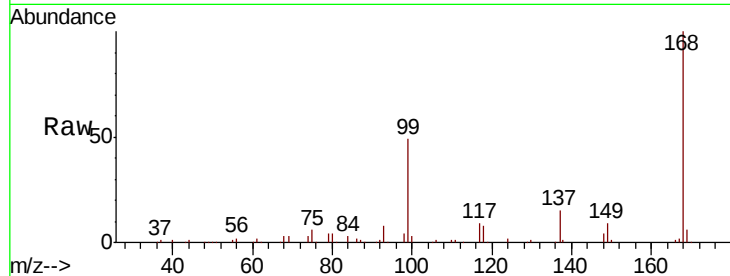
ClientSampled :

Tot Ion:168 Resp: 336365

Ion Ratio Lower Upper

168 100

99 48.7 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.67

150000

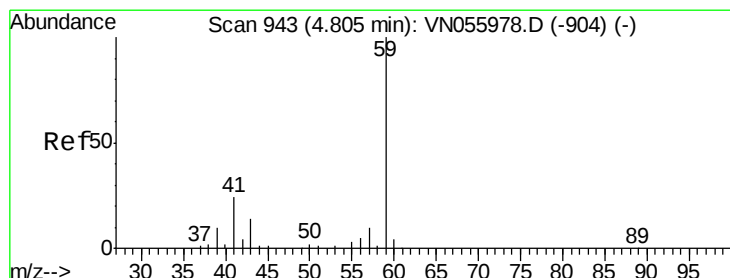
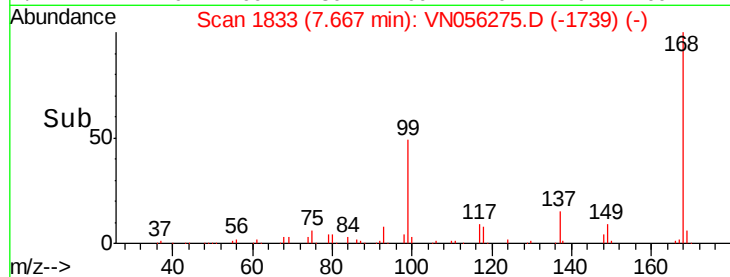
100000

50000

0

7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 10.702 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.06 min

Lab File: VN056275.D

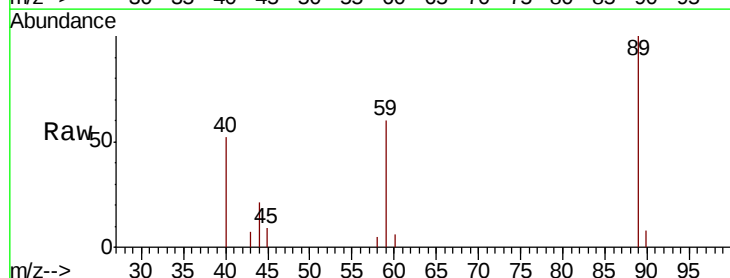
Acq: 13 Jun 2019 12:44

Tgt Ion: 59 Resp: 6220

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN055978.D (-904) (-)

Ion 57.00 (56.70 to 57.70): VN055978.D (-904) (-)

4.75

2000

1500

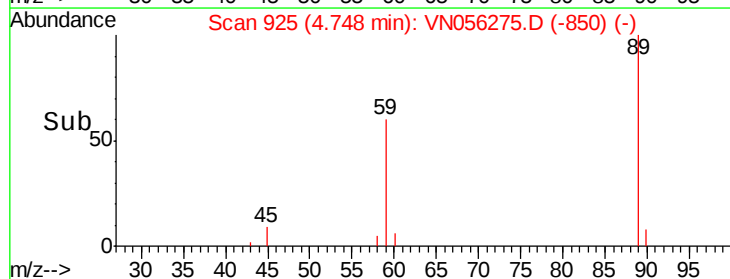
1000

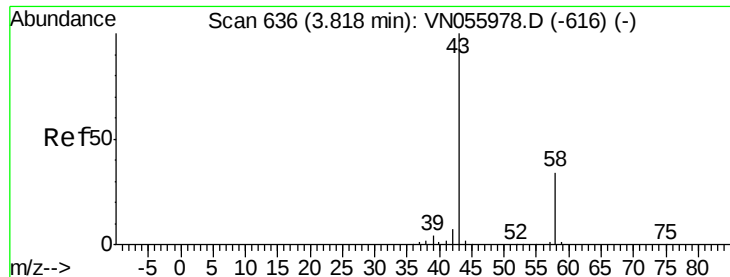
500

0

4.65 4.70 4.75 4.80

Time-->





#16

Acetone

Concen: 0.213 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN056275.D

Acq: 13 Jun 2019 12:44

Instrument :

MSVOA_N

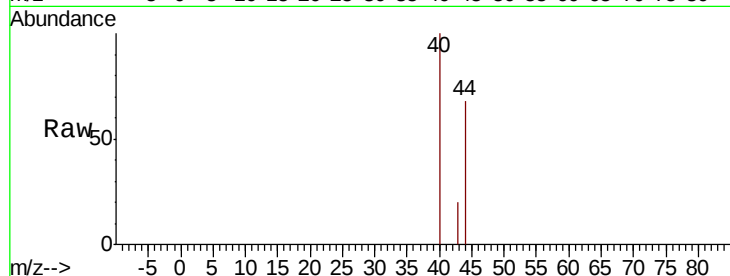
ClientSampleId :

Tot Ion: 43 Resp: 341

Ion Ratio Lower Upper

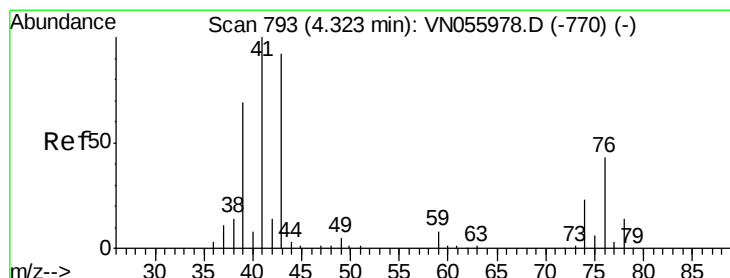
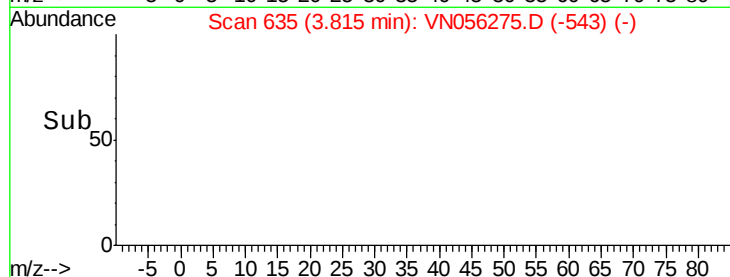
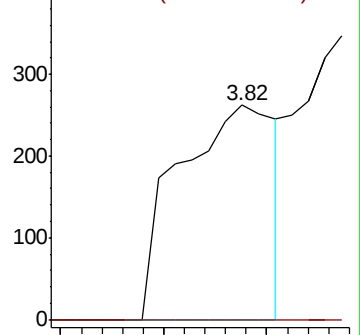
43 100

58 0.0 26.6 39.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.557 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN056275.D

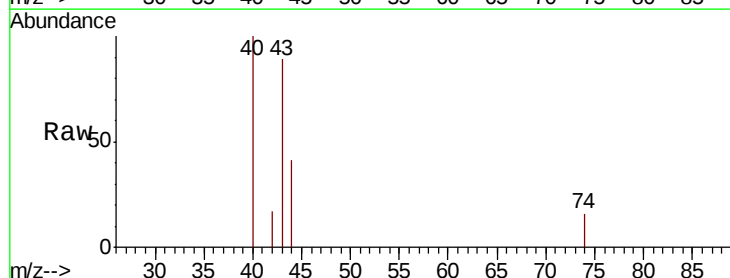
Acq: 13 Jun 2019 12:44

Tgt Ion: 43 Resp: 3542

Ion Ratio Lower Upper

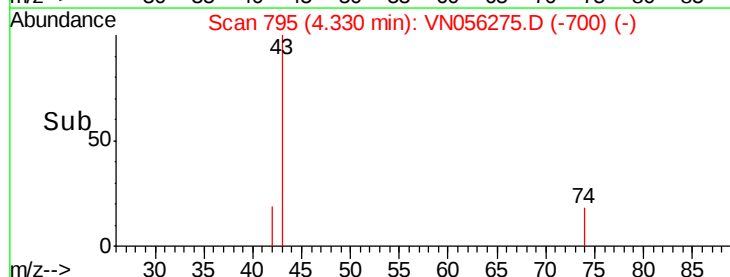
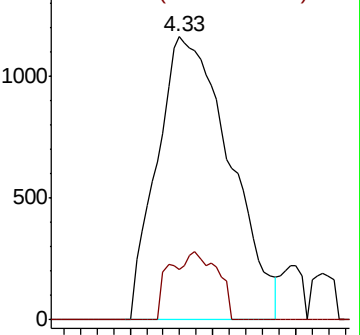
43 100

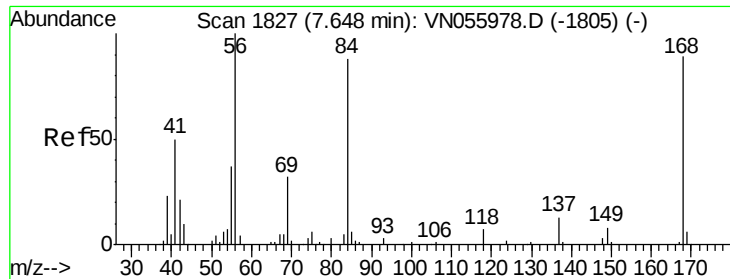
74 15.6 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

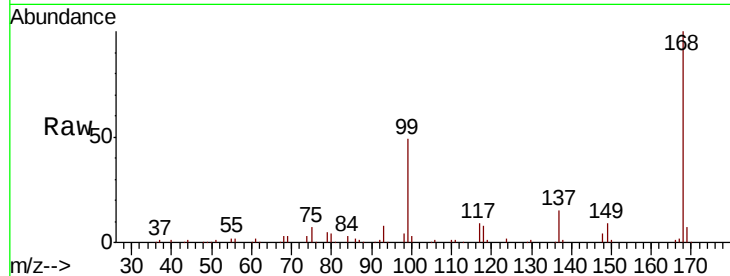




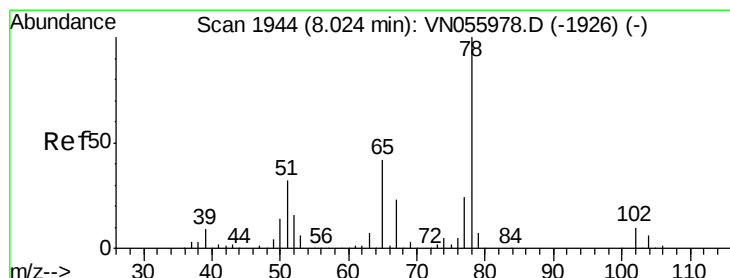
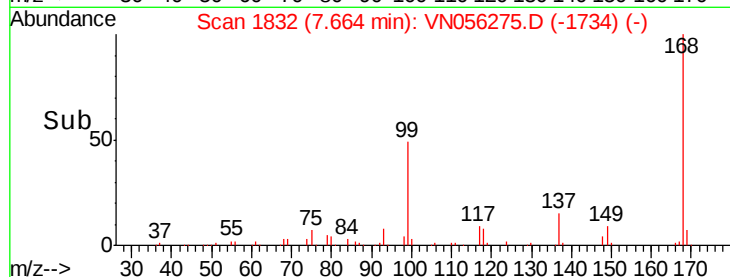
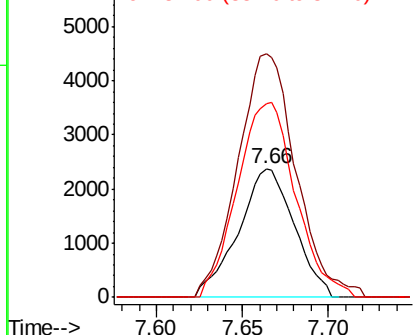
#31
Cyclohexane
Concen: 1.011 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN056275.D
Acq: 13 Jun 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 5360
Ion Ratio Lower Upper
56 100
69 189.1 25.6 38.4#
84 150.4 67.4 101.0#

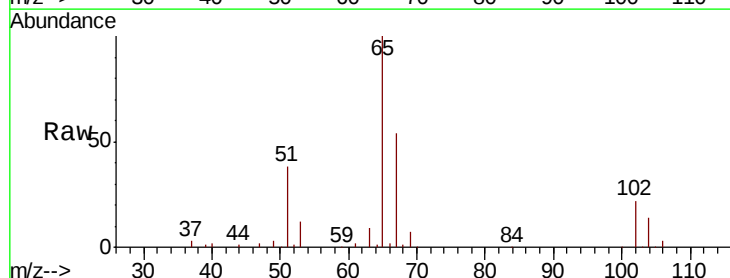


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

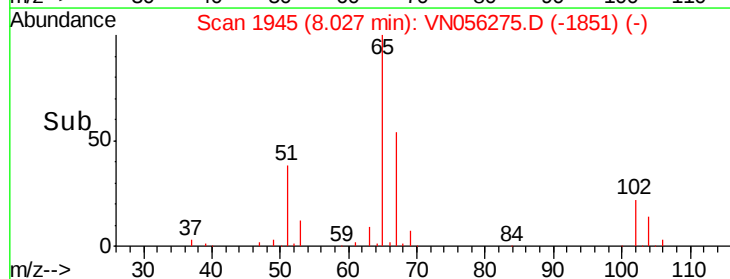
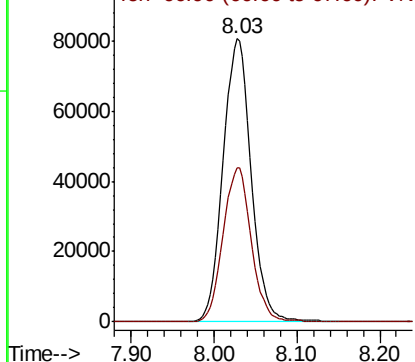


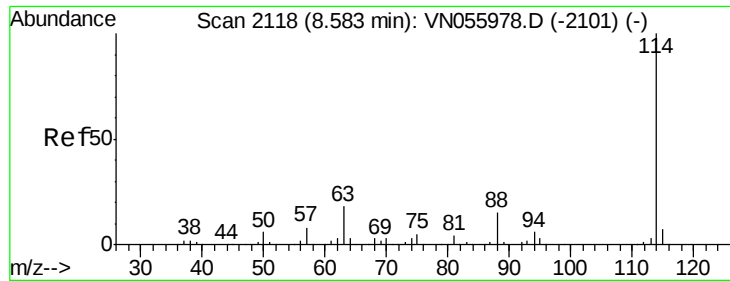
#33
1,2-Dichloroethane-d4
Concen: 56.872 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056275.D
Acq: 13 Jun 2019 12:44

Tgt Ion: 65 Resp: 189941
Ion Ratio Lower Upper
65 100
67 54.2 0.0 109.2



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

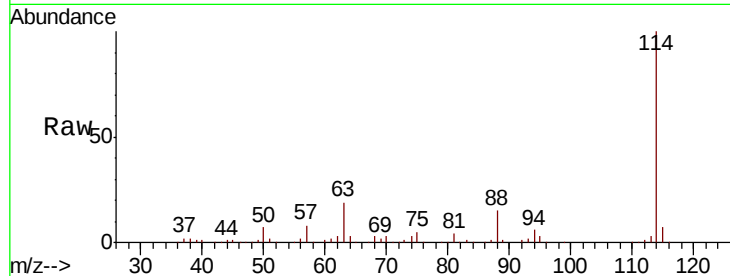




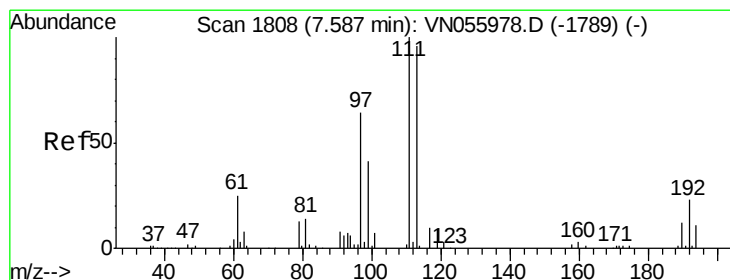
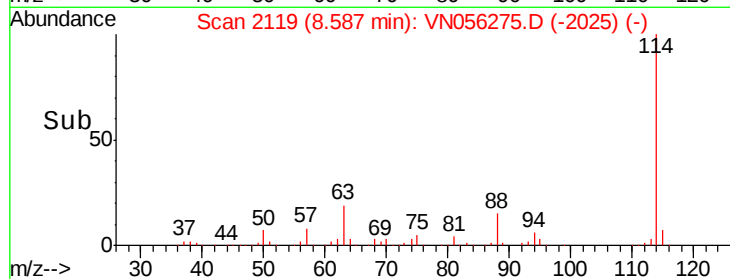
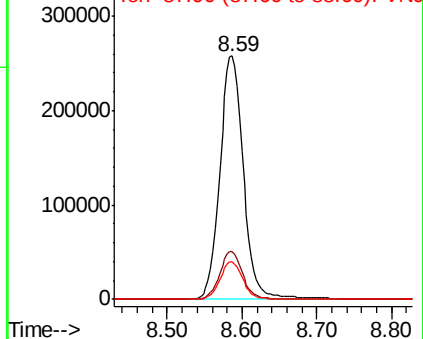
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056275.D
 Acq: 13 Jun 2019 12:44

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 560145
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.2
 88 15.4 0.0 31.0

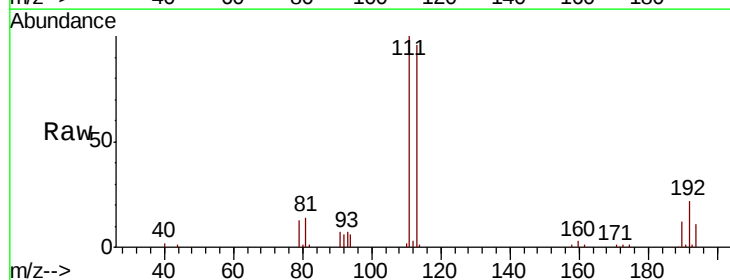


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

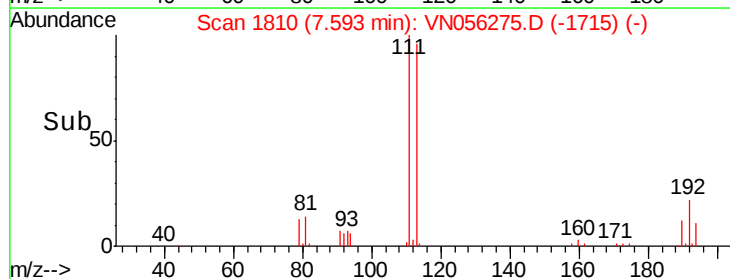
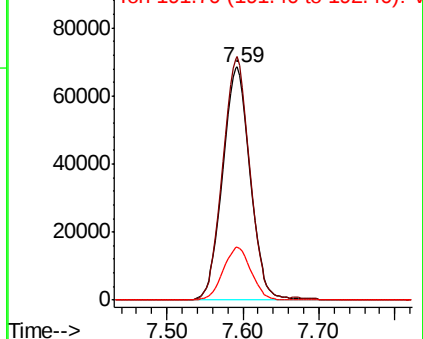


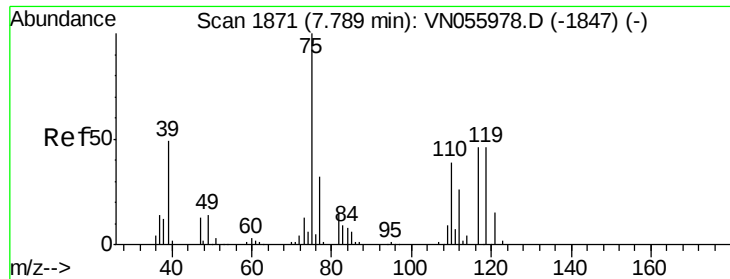
#35
 Dibromofluoromethane
 Concen: 50.402 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.01 min
 Lab File: VN056275.D
 Acq: 13 Jun 2019 12:44

Tgt Ion:113 Resp: 173214
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.9 122.9
 192 22.8 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

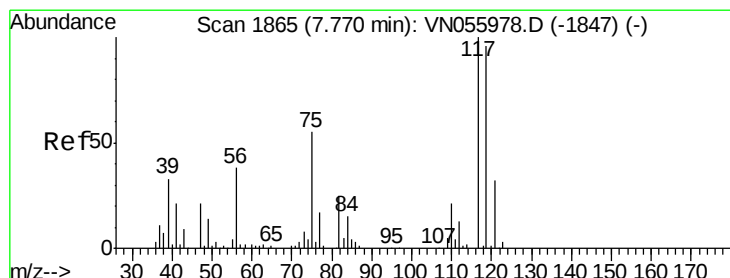
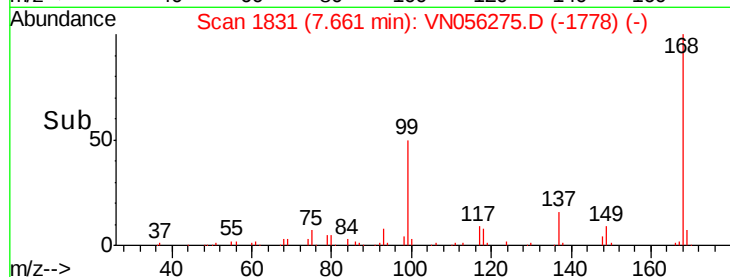
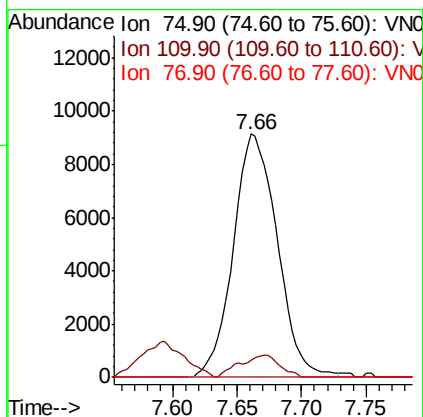
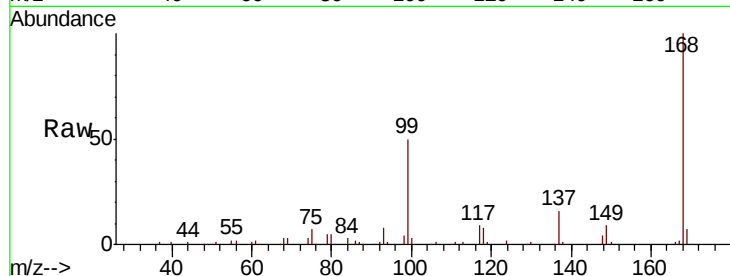




#36
 1,1-Dichloropropene
 Concen: 4.519 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN056275.D
 Acq: 13 Jun 2019 12:44

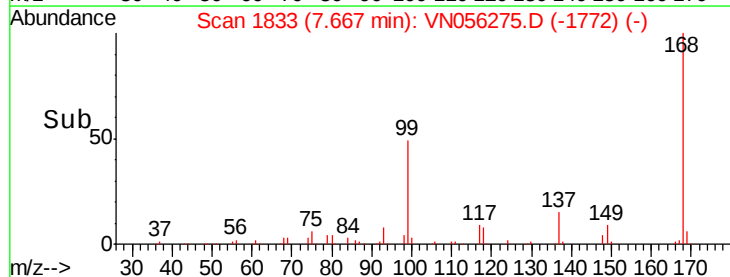
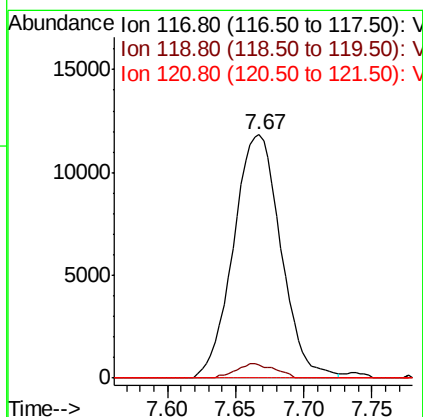
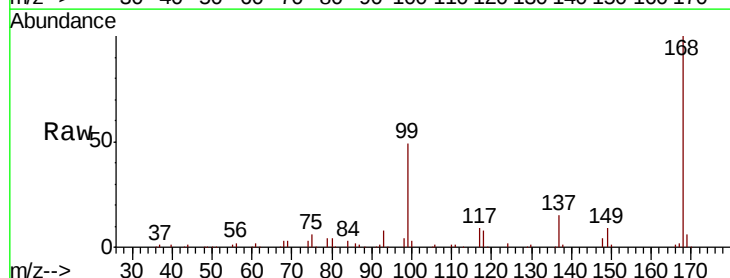
Instrument :
 MSVOA_N
 ClientSampleId :

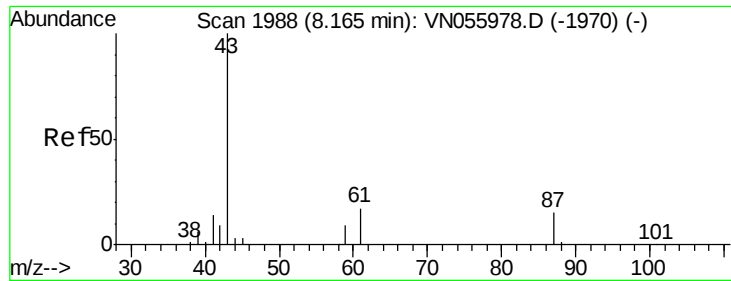
Tot Ion	75	Resp	21764
Ion Ratio	Lower	Upper	
75	100		
110	8.3	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.440 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.10 min
 Lab File: VN056275.D
 Acq: 13 Jun 2019 12:44

Tgt Ion	117	Resp	28599
Ion Ratio	Lower	Upper	
117	100		
119	5.2	79.0	118.6#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 0.372 ug/l

RT: 8.29 min Scan# 2028

Delta R.T. 0.13 min

Lab File: VN056275.D

Acq: 13 Jun 2019 12:44

Instrument :

MSVOA_N

ClientSampleId :

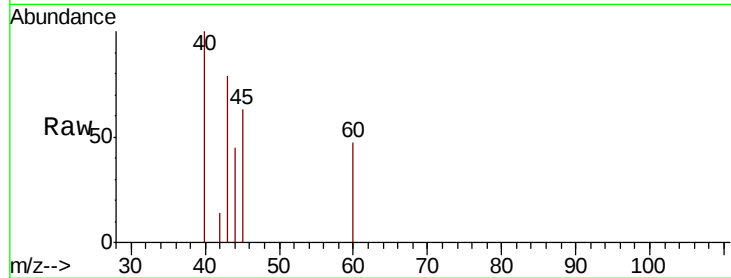
Tot Ion: 43 Resp: 2580

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

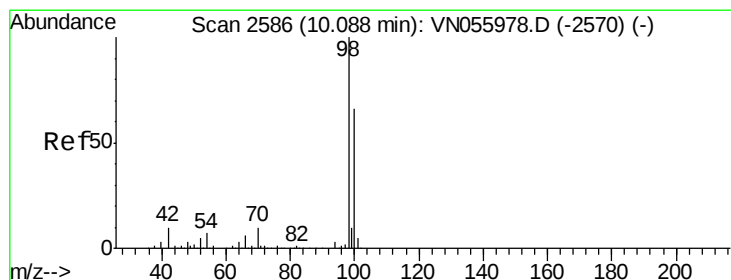
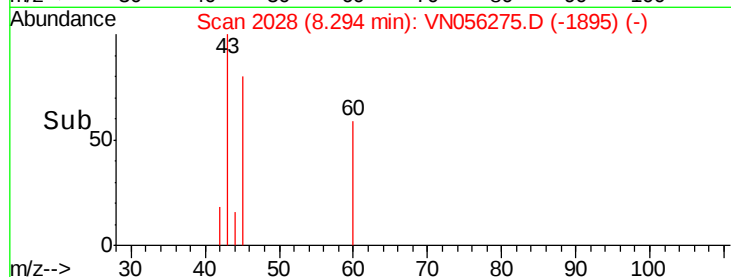
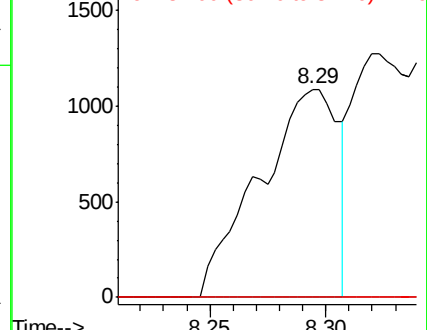
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 52.234 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056275.D

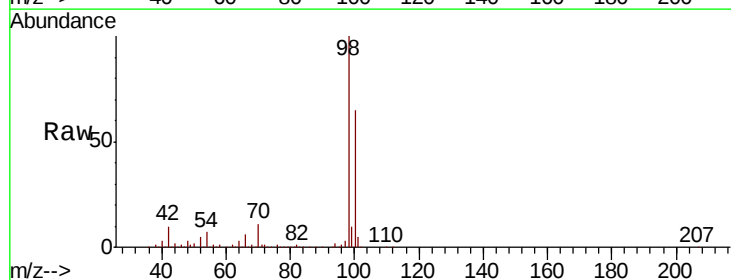
Acq: 13 Jun 2019 12:44

Tgt Ion: 98 Resp: 690760

Ion Ratio Lower Upper

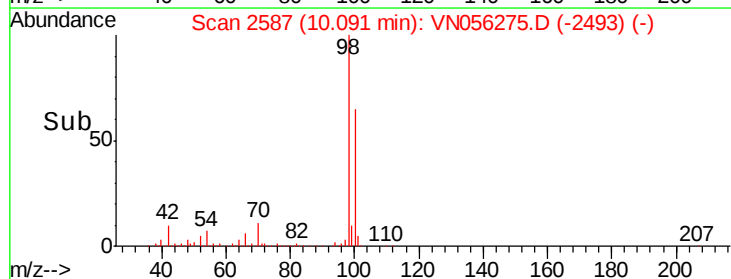
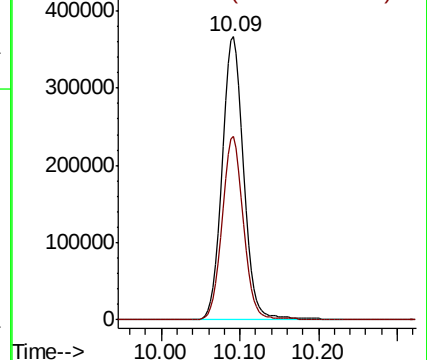
98 100

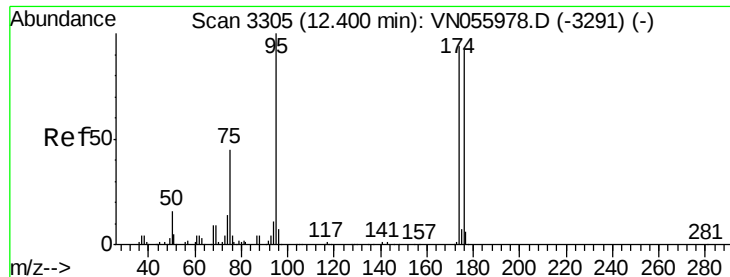
100 64.4 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 47.575 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056275.D

Acq: 13 Jun 2019 12:44

Instrument :

MSVOA_N

ClientSampleId :

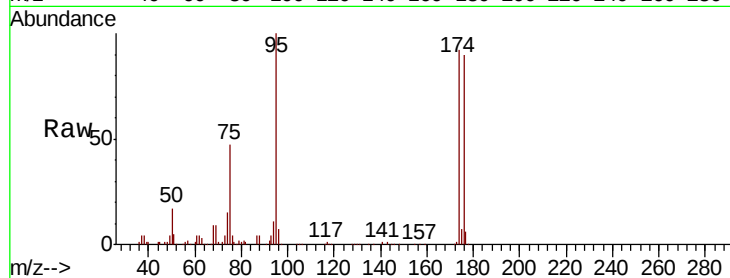
Tot Ion: 95 Resp: 213957

Ion Ratio Lower Upper

95 100

174 92.3 0.0 191.0

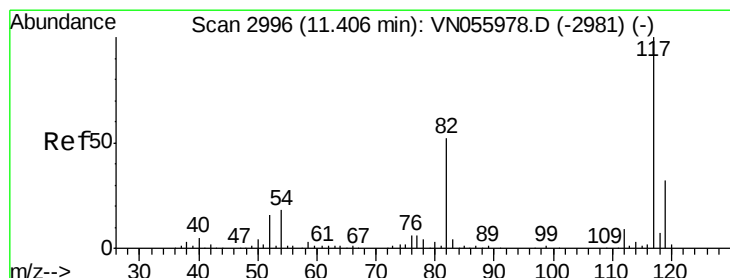
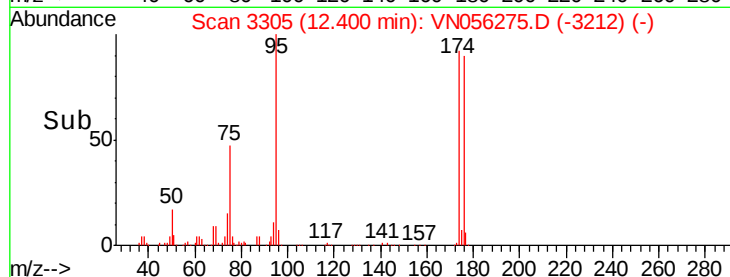
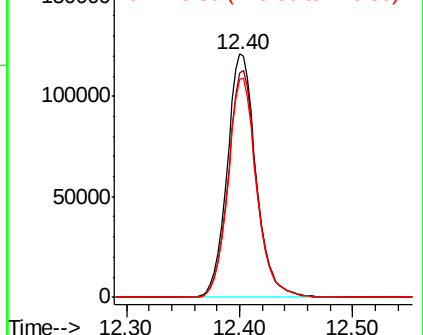
176 88.9 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056275.D

Acq: 13 Jun 2019 12:44

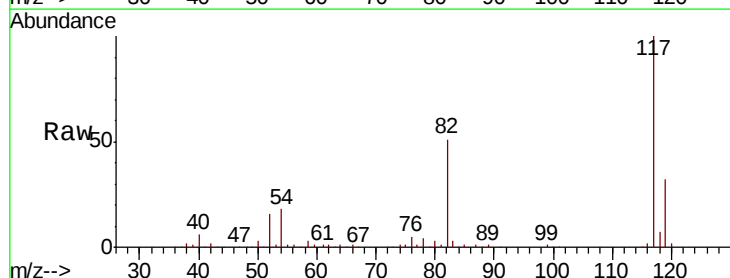
Tgt Ion: 117 Resp: 548554

Ion Ratio Lower Upper

117 100

82 51.4 41.8 62.8

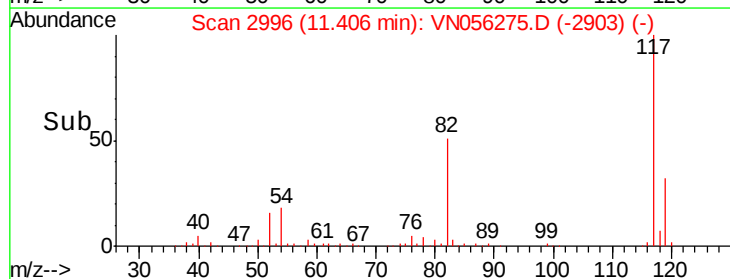
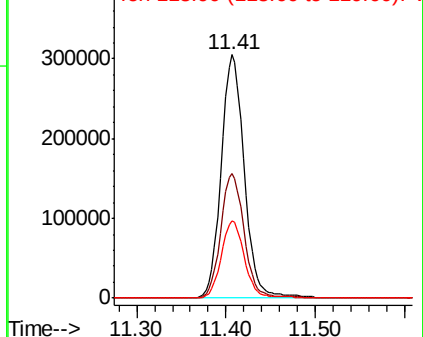
119 31.8 25.4 38.0

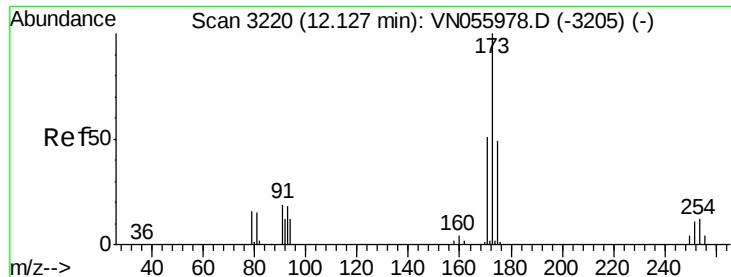


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

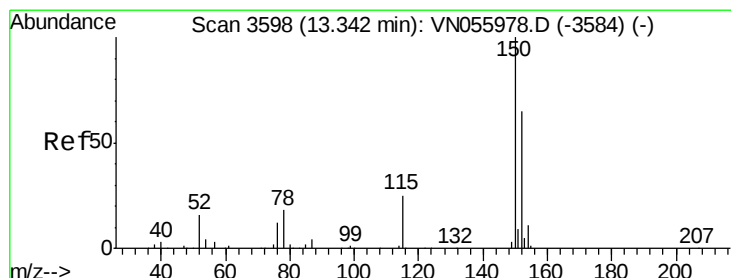
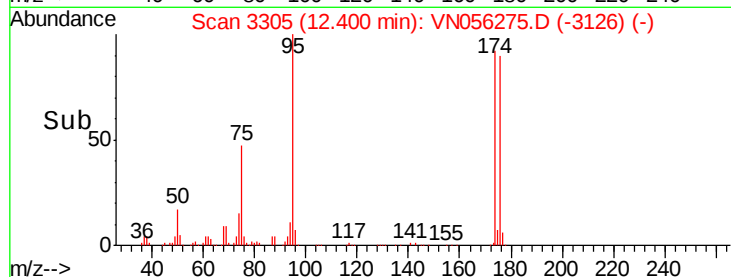
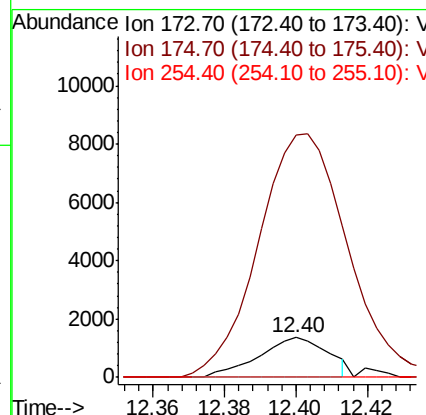
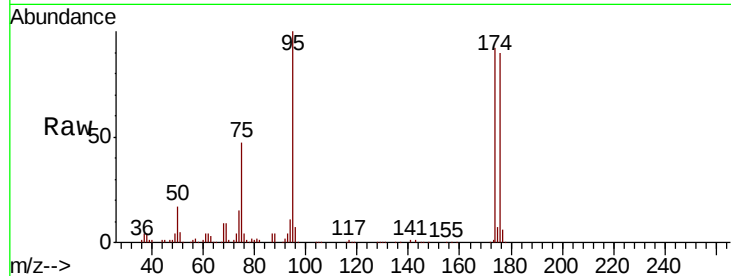




#71
Bromoform
Concen: 3.294 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056275.D
Acq: 13 Jun 2019 12:44

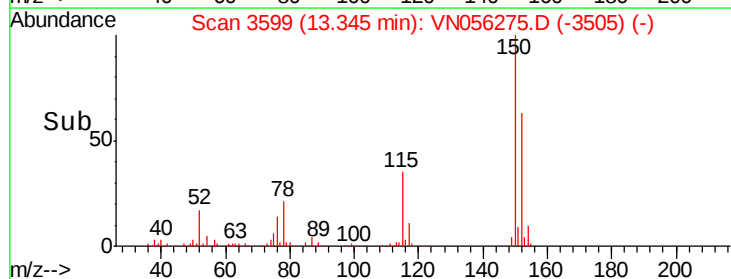
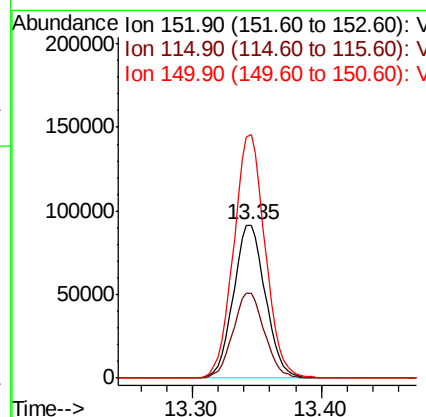
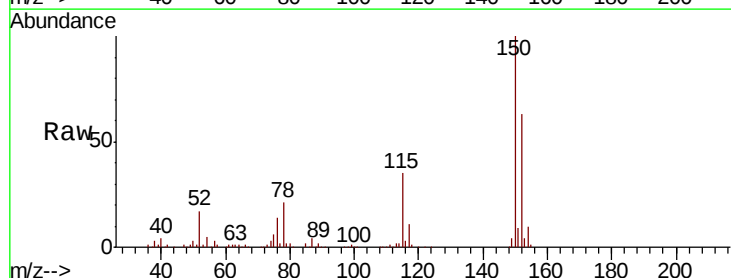
Instrument :
MSVOA_N
ClientSampled :

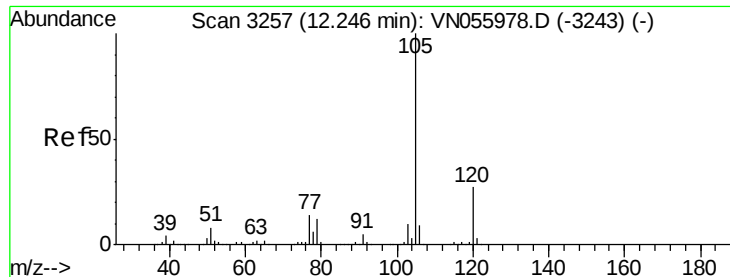
Tot Ion:173 Resp: 1848
Ion Ratio Lower Upper
173 100
175 668.9 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN056275.D
Acq: 13 Jun 2019 12:44

Tgt Ion:152 Resp: 157395
Ion Ratio Lower Upper
152 100
115 54.8 27.0 81.0
150 156.7 0.0 343.2





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. 0.16 min

Lab File: VN056275.D

Acq: 13 Jun 2019 12:44

Instrument :

MSVOA_N

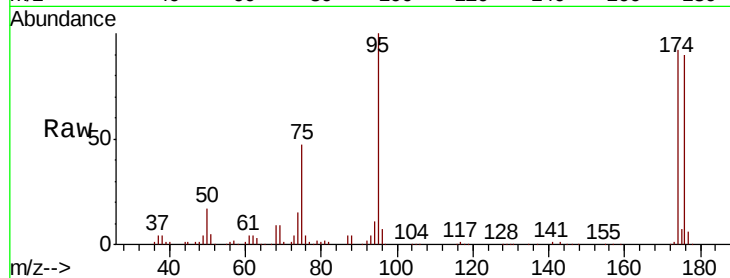
ClientSampled :

Tot Ion: 105 Resp: 166

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

250

200

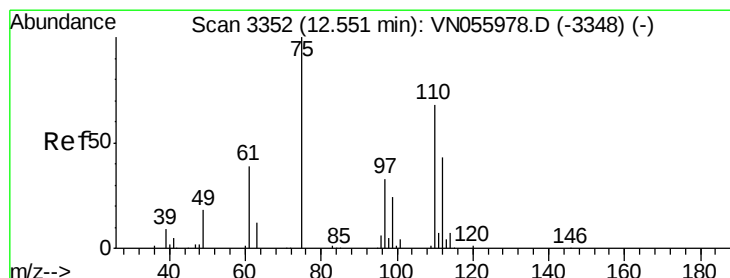
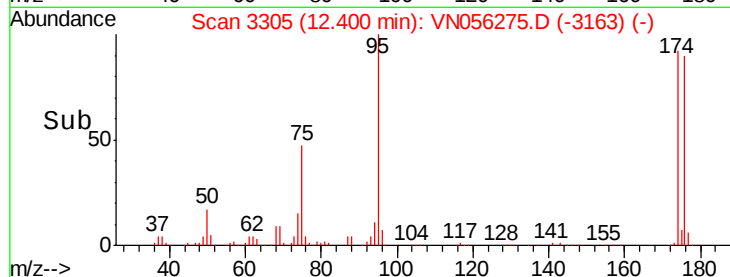
150

100

50

0

Time--> 12.38 12.40



#76

1,2,3-Trichloropropane

Concen: 34.594 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056275.D

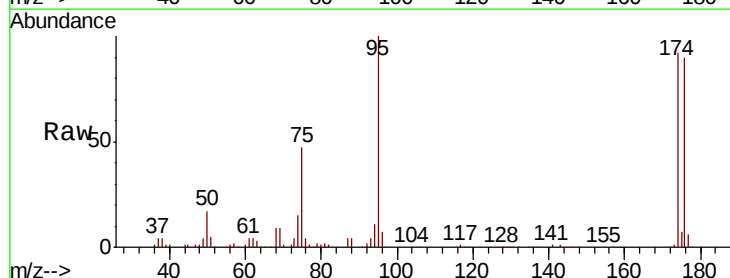
Acq: 13 Jun 2019 12:44

Tgt Ion: 75 Resp: 100188

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

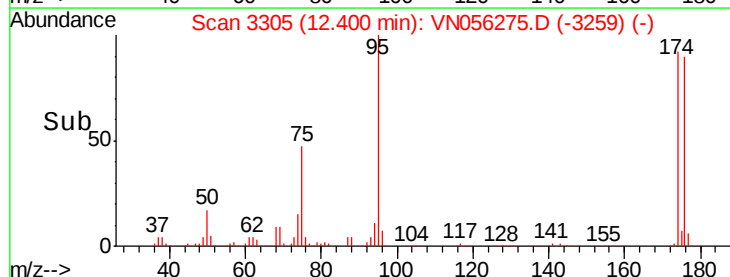
60000

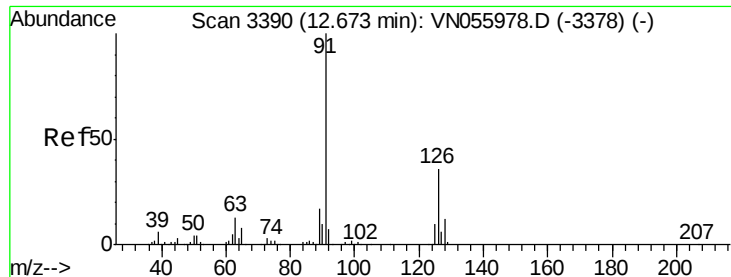
40000

20000

0

Time--> 12.30 12.40 12.50

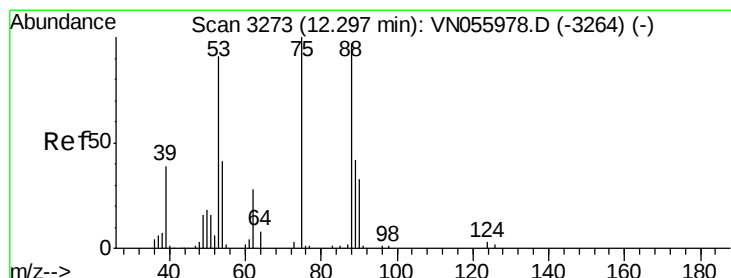
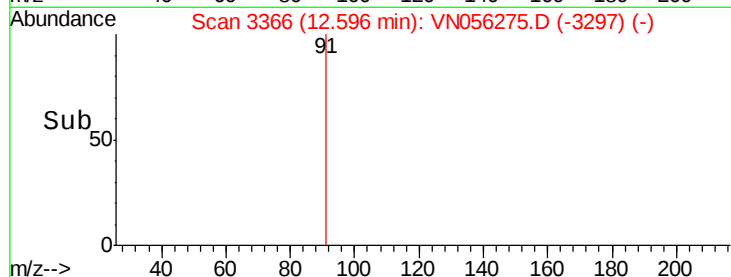
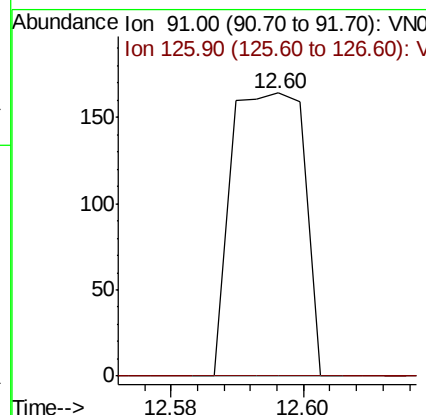
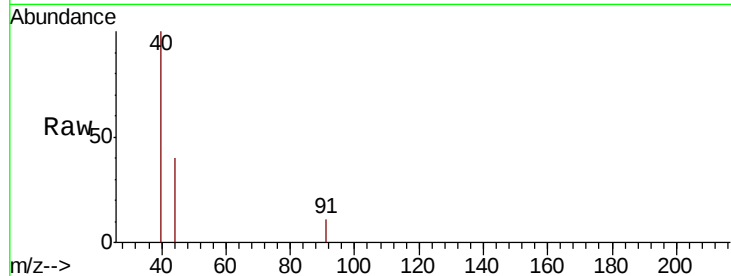




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.60 min Scan# 3366
 Delta R.T. -0.08 min
 Lab File: VN056275.D
 Acq: 13 Jun 2019 12:44

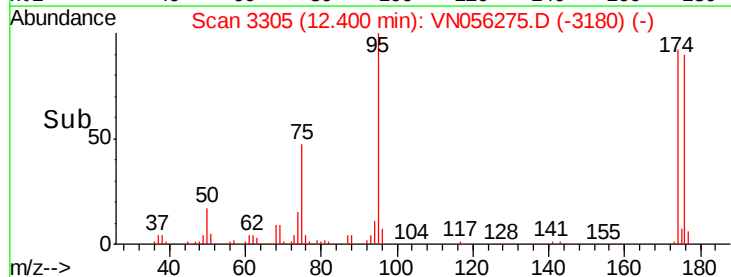
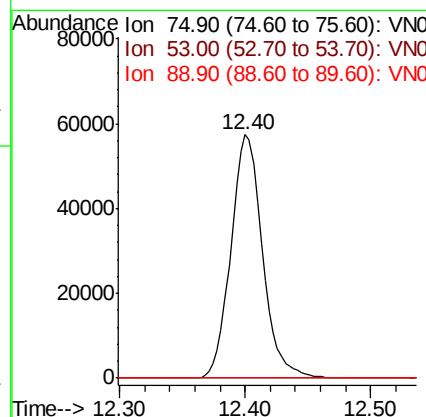
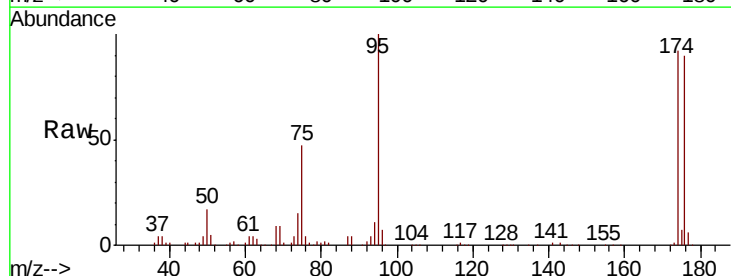
Instrument :
 MSVOA_N
 ClientSampleId :

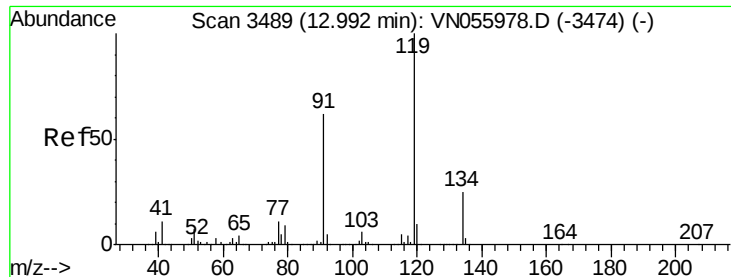
Tot Ion: 91 Resp: 124
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.1 54.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.203 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN056275.D
 Acq: 13 Jun 2019 12:44

Tgt Ion: 75 Resp: 100188
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.1 102.1#
 89 0.0 36.9 55.3#

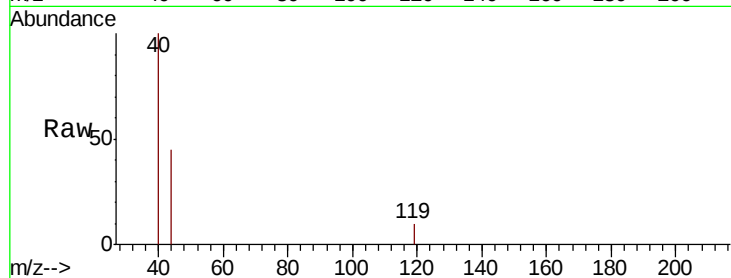




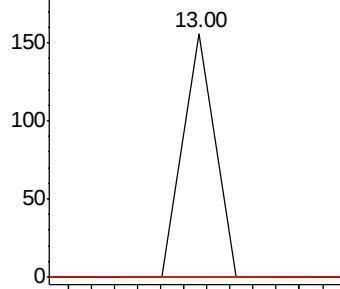
#83
tert-Butylbenzene
Concen: Below Cal
RT: 13.00 min Scan# 3492
Delta R.T. 0.01 min
Lab File: VN056275.D
Acq: 13 Jun 2019 12:44

Instrument :
MSVOA_N
ClientSampled :

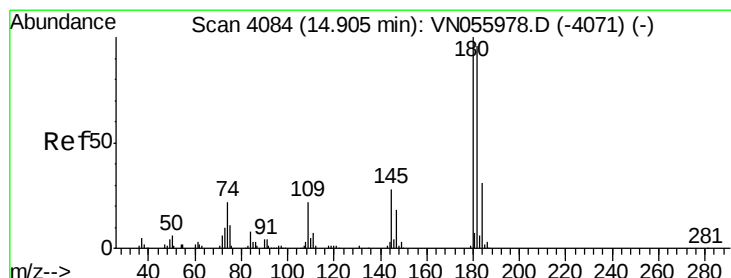
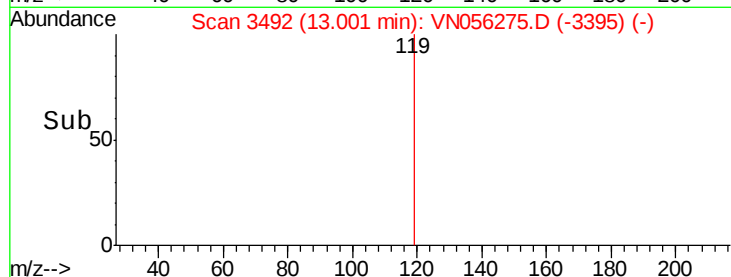
Tot Ion:119 Resp: 30
Ion Ratio Lower Upper
119 100
91 0.0 30.9 92.8#
134 0.0 13.3 39.8#



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

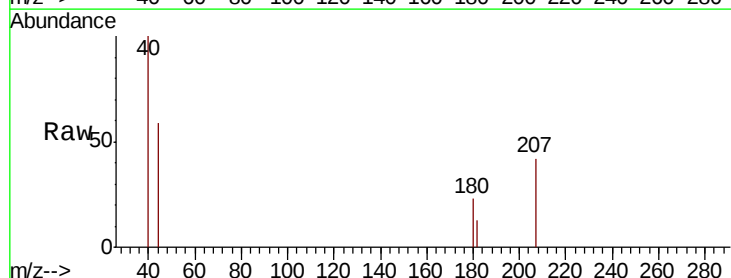


Time--> 12.99 13.00 13.01

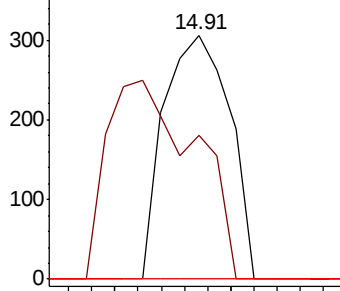


#93
1,2,4-Trichlorobenzene
Concen: 4.345 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. 0.01 min
Lab File: VN056275.D
Acq: 13 Jun 2019 12:44

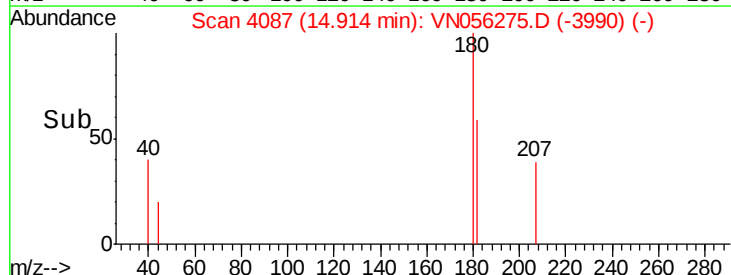
Tgt Ion:180 Resp: 240
Ion Ratio Lower Upper
180 100
182 110.0 48.3 144.9
145 0.0 14.0 41.9#

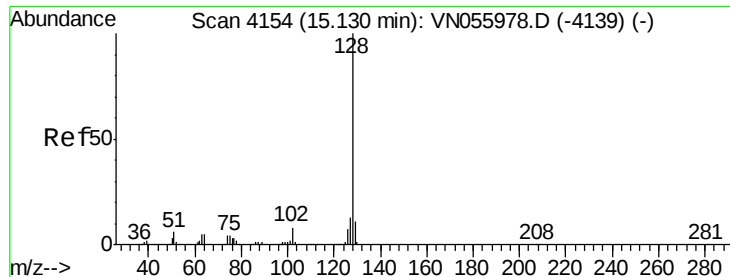


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



Time--> 14.90 14.91 14.92





#95

Naphthalene

Concen: 3.917 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN056275.D

Acq: 13 Jun 2019 12:44

Instrument :

MSVOA_N

ClientSampled :

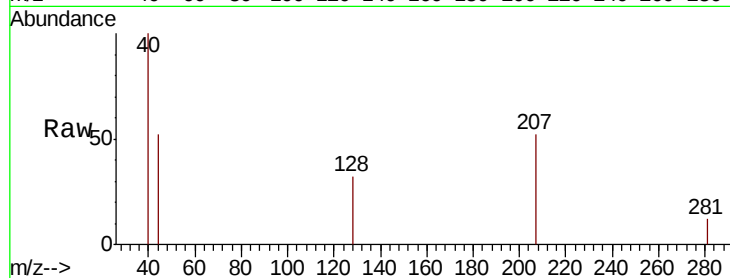
Tot Ion:128 Resp: 535

Ion Ratio Lower Upper

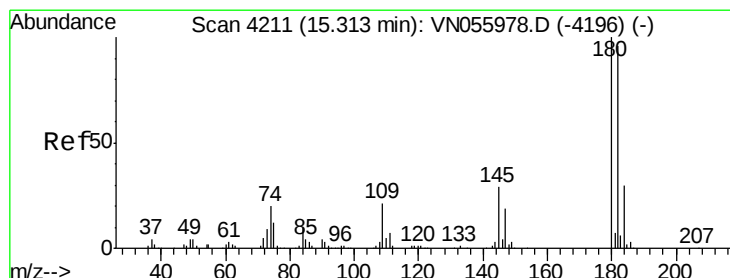
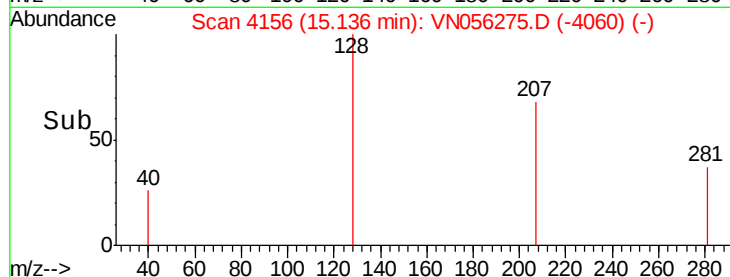
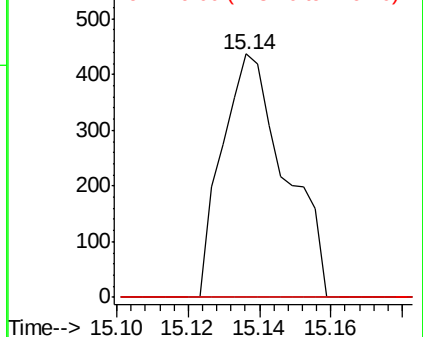
128 100

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



#96

1,2,3-Trichlorobenzene

Concen: 3.138 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN056275.D

Acq: 13 Jun 2019 12:44

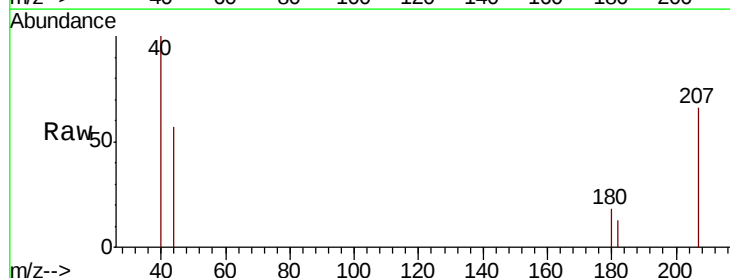
Tgt Ion:180 Resp: 337

Ion Ratio Lower Upper

180 100

182 44.5 47.9 143.7#

145 0.0 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

