

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056169.D
 Acq On : 10 Jun 2019 14:57
 Operator : JC/SP
 Sample : K3255-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE108D1-20190604

Quant Time: Jun 11 02:20:18 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	304028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	461429	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	441332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	131581	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	164536	54.50	ug/l	0.00
Spiked Amount			Recovery	=	109.00%	
35) Dibromofluoromethane	7.59	113	150201	53.06	ug/l	0.00
Spiked Amount			Recovery	=	106.12%	
50) Toluene-d8	10.09	98	591376	54.29	ug/l	0.00
Spiked Amount			Recovery	=	108.58%	
62) 4-Bromofluorobenzene	12.40	95	183139	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	

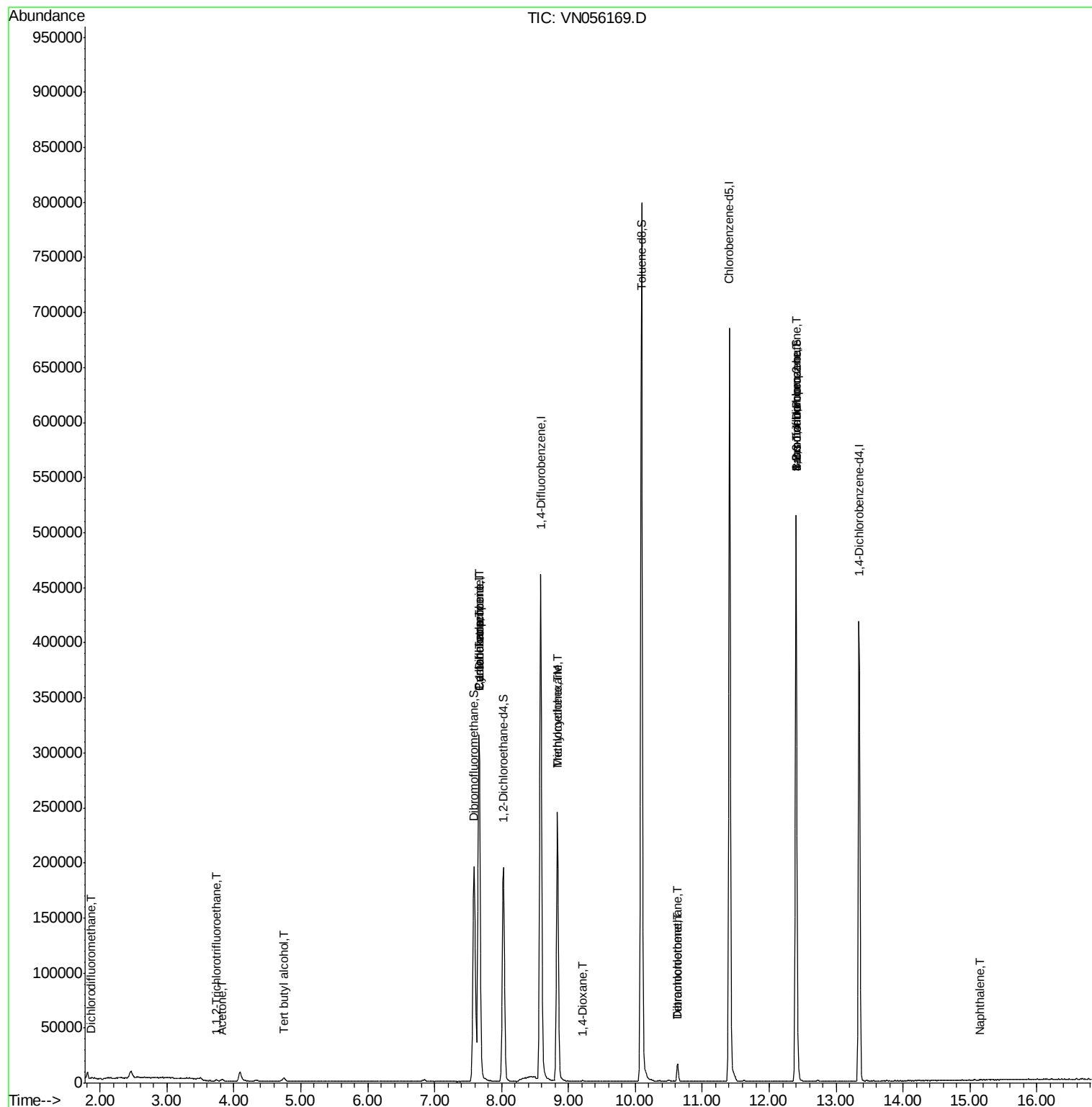
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	30	0.364	ug/l #	42
9) 1,1,2-Trichlorotrifluoroet	3.75	101	782	0.305	ug/l #	19
11) Tert butyl alcohol	4.75	59	2923	5.564	ug/l #	74
16) Acetone	3.82	43	2657	1.840	ug/l	97
18) Methyl Acetate	4.32	43	991	Below Cal	#	71
31) Cyclohexane	7.66	56	4125	0.861	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	17785	4.483	ug/l #	47
38) Carbon Tetrachloride	7.66	117	23865	6.524	ug/l #	15
39) Methylcyclohexane	8.83	83	1188	0.240	ug/l #	1
44) Trichloroethene	8.83	130	98671	28.495	ug/l	98
49) 1,4-Dioxane	9.21	88	366	6.058	ug/l #	71
60) Dibromochloromethane	10.63	129	3711	3.529	ug/l #	11
64) Tetrachloroethene	10.63	164	4263	1.116	ug/l	97
71) Bromoform	12.40	173	1302	3.225	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	83688	34.565	ug/l #	100
79) 2-Chlorotoluene	12.41	91	501	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	83688	115.109	ug/l #	15
95) Naphthalene	15.14	128	117	3.868	ug/l #	69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056169.D

Acq: 10 Jun 2019 14:57

Instrument :

MSVOA_N

ClientSampleId :

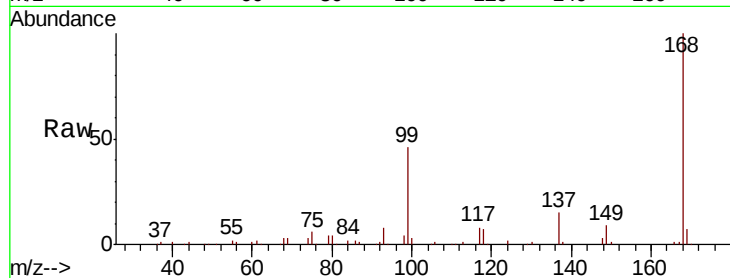
RE108D1-20190604

Tot Ion:168 Resp: 304028

Ion Ratio Lower Upper

168 100

99 46.1 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

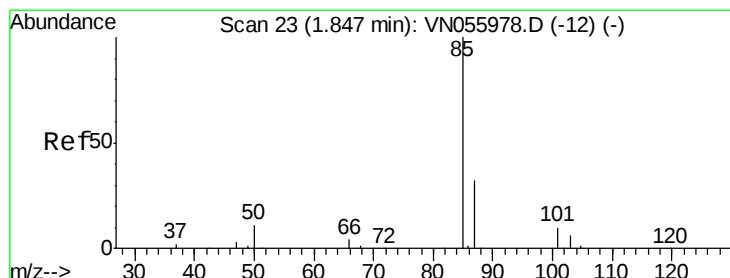
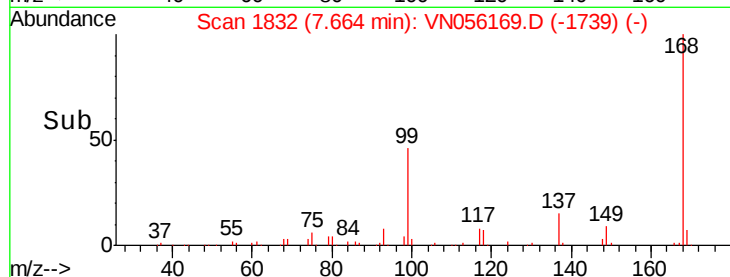
100000

50000

0

Time-->

7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 0.364 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.01 min

Lab File: VN056169.D

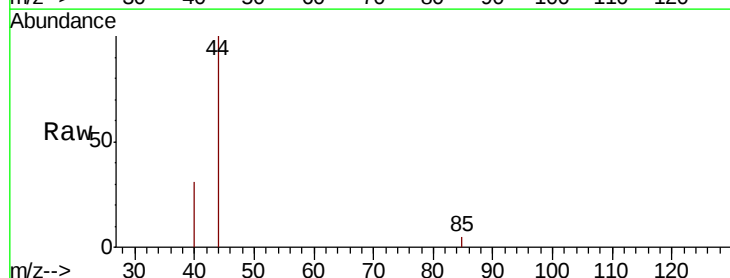
Acq: 10 Jun 2019 14:57

Tgt Ion: 85 Resp: 30

Ion Ratio Lower Upper

85 100

87 0.0 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

150

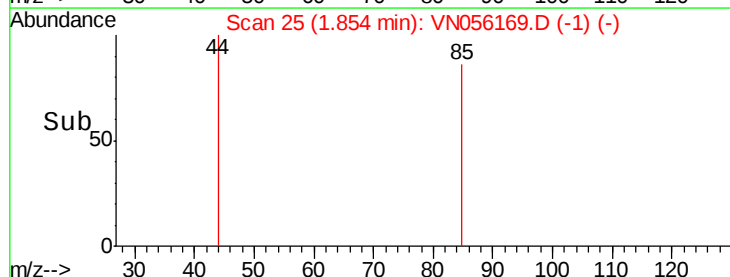
100

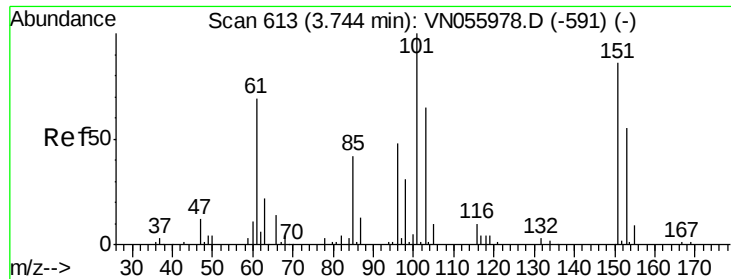
50

0

Time-->

1.85 1.85 1.86 1.86





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.305 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN056169.D

Acq: 10 Jun 2019 14:57

Instrument :

MSVOA_N

ClientSampleId :

RE108D1-20190604

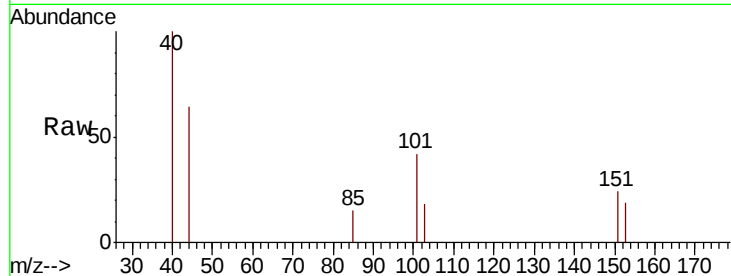
Tot Ion:101 Resp: 782

Ion Ratio Lower Upper

101 100

85 7.5 33.4 50.2#

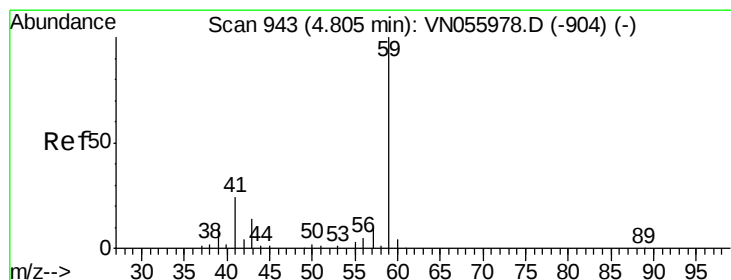
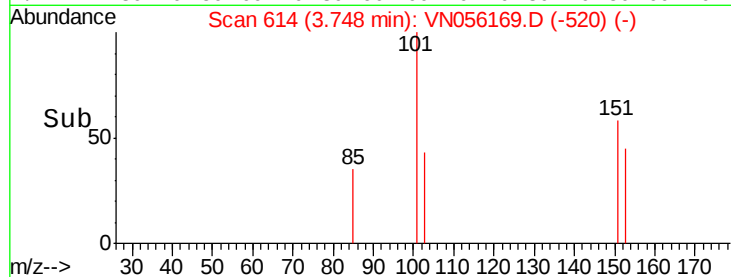
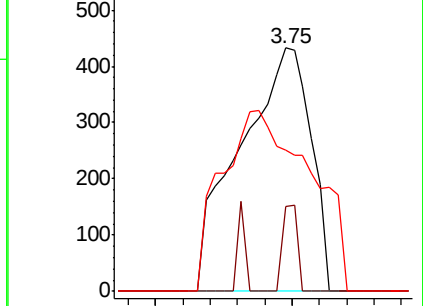
151 0.0 69.4 104.2#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 5.564 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.06 min

Lab File: VN056169.D

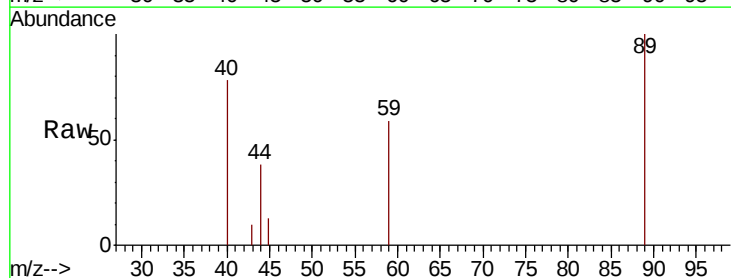
Acq: 10 Jun 2019 14:57

Tgt Ion: 59 Resp: 2923

Ion Ratio Lower Upper

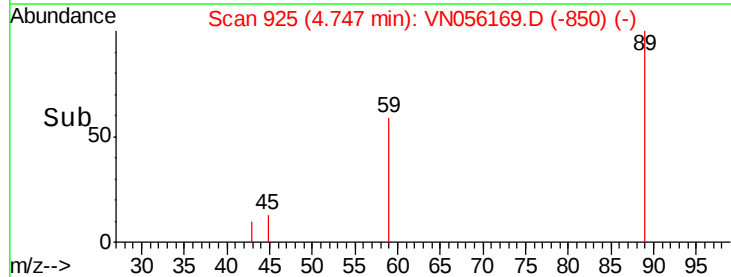
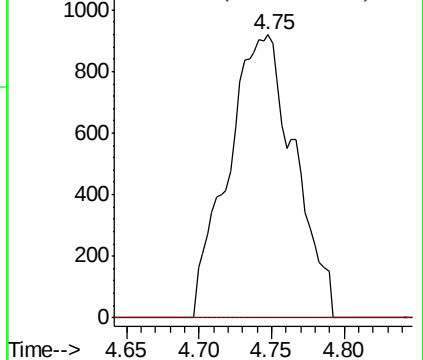
59 100

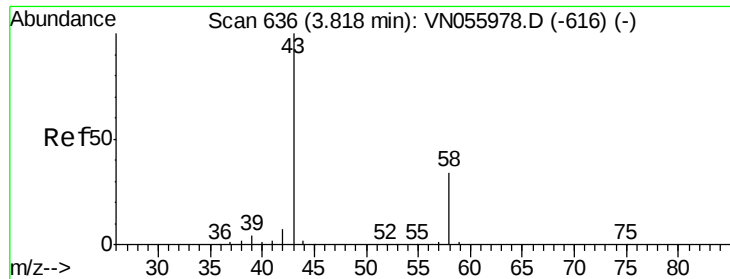
57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#16

Acetone

Concen: 1.840 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056169.D

Acq: 10 Jun 2019 14:57

Instrument :

MSVOA_N

ClientSampleId :

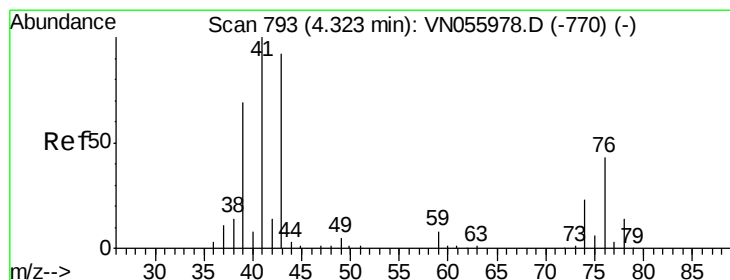
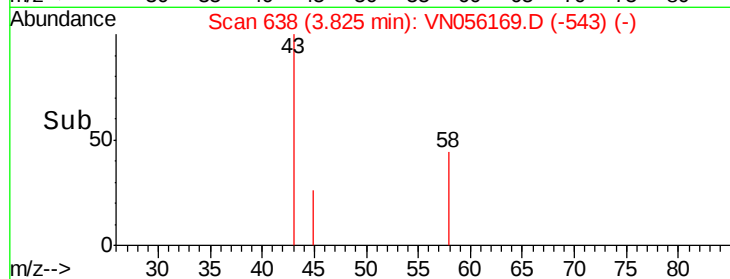
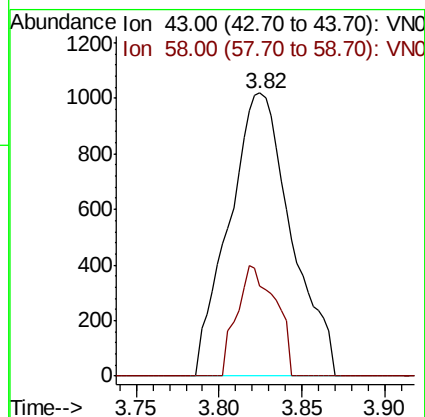
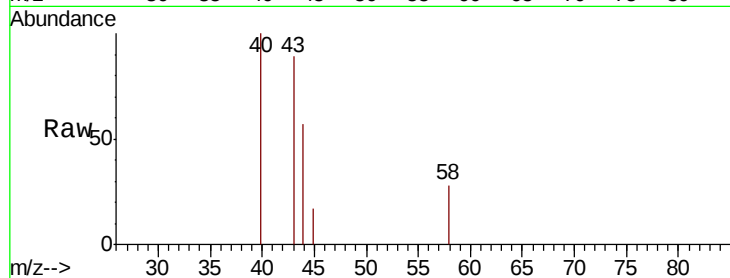
RE108D1-20190604

Tot Ion: 43 Resp: 2657

Ion Ratio Lower Upper

43 100

58 31.7 26.6 39.8



#18

Methyl Acetate

Concen: Below Cal

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056169.D

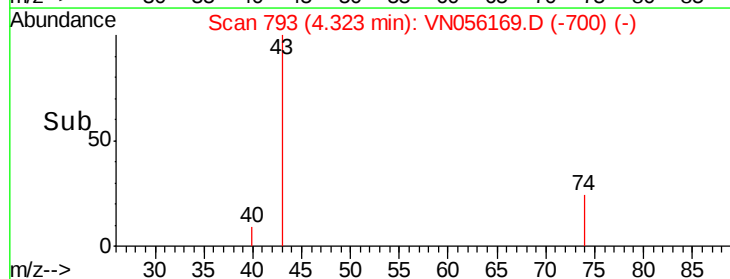
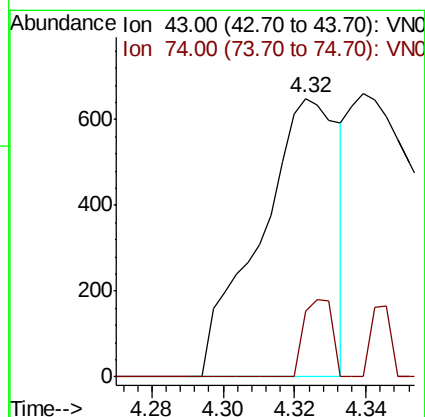
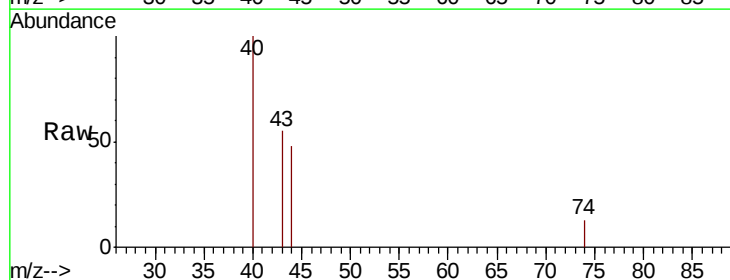
Acq: 10 Jun 2019 14:57

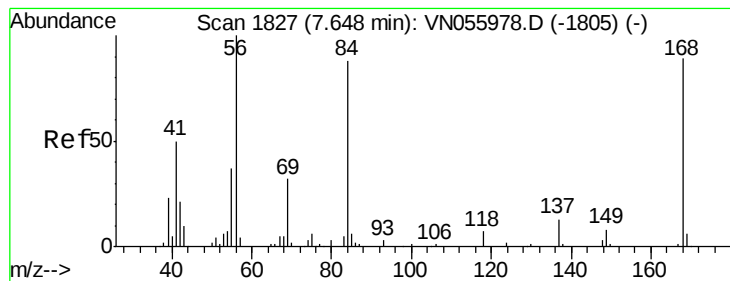
Tgt Ion: 43 Resp: 991

Ion Ratio Lower Upper

43 100

74 9.9 19.3 28.9#





#31

Cyclohexane

Concen: 0.861 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN056169.D

Acq: 10 Jun 2019 14:57

Instrument :

MSVOA_N

ClientSampleId :

RE108D1-20190604

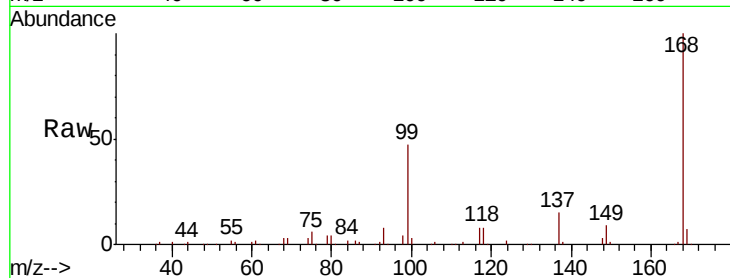
Tot Ion: 56 Resp: 4125

Ion Ratio Lower Upper

56 100

69 208.4 25.6 38.4#

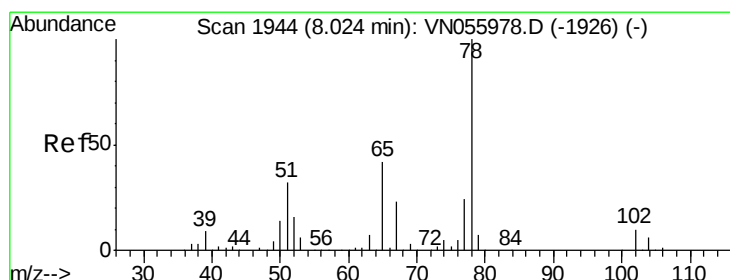
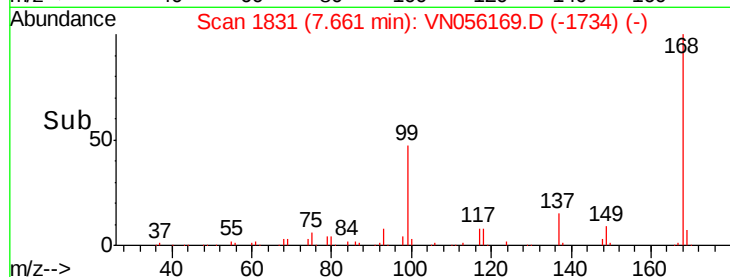
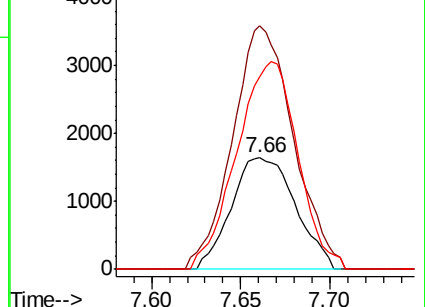
84 172.6 67.4 101.0#



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: 54.505 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056169.D

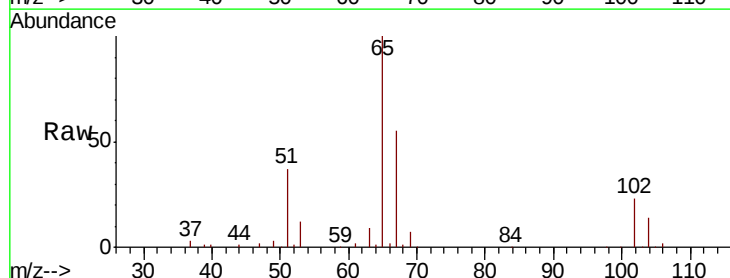
Acq: 10 Jun 2019 14:57

Tgt Ion: 65 Resp: 164536

Ion Ratio Lower Upper

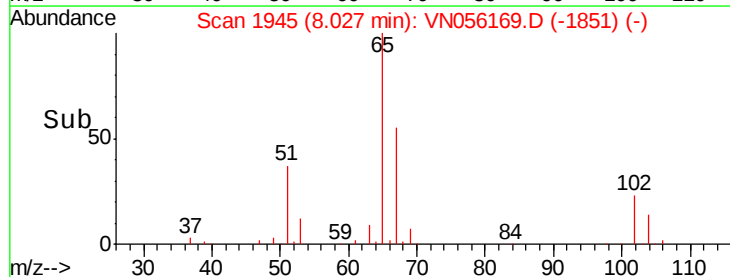
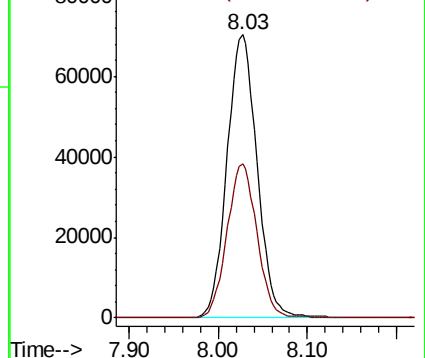
65 100

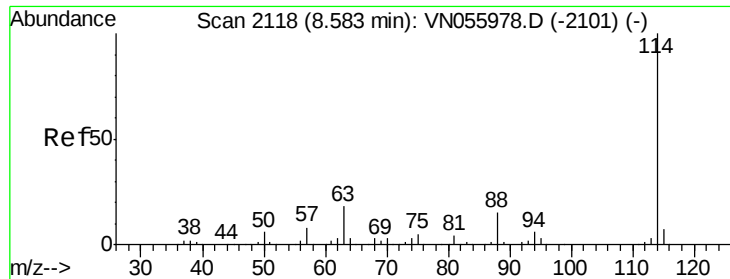
67 54.4 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

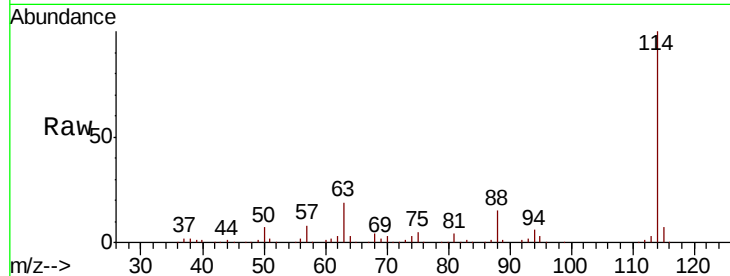




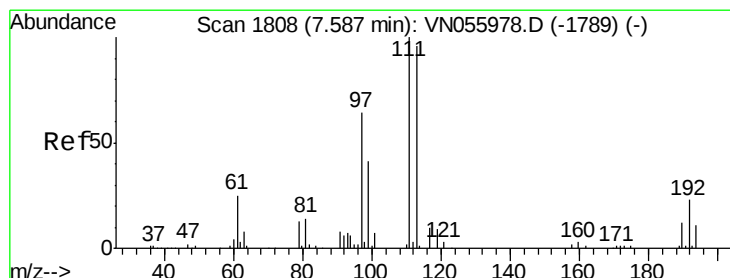
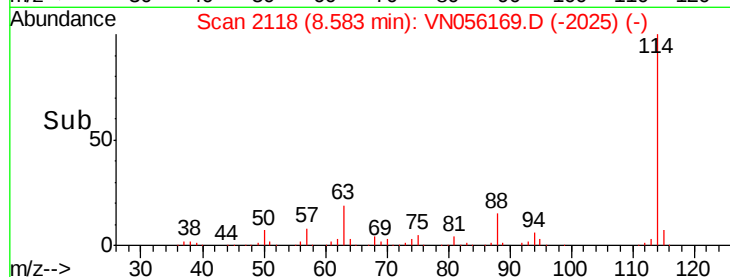
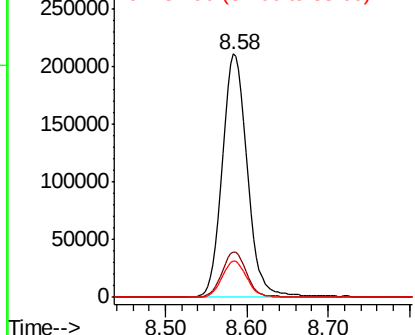
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN056169.D
Acq: 10 Jun 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
RE108D1-20190604

Tot Ion:114 Resp: 461429
Ion Ratio Lower Upper
114 100
63 18.8 0.0 39.2
88 15.1 0.0 31.0

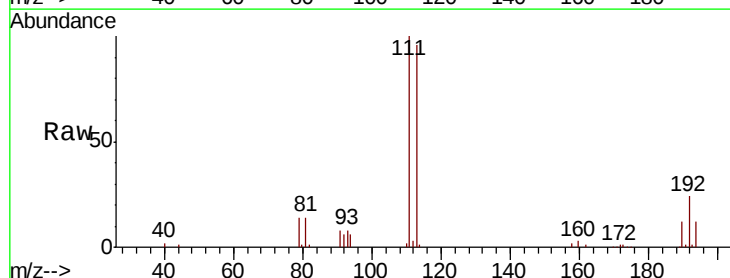


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

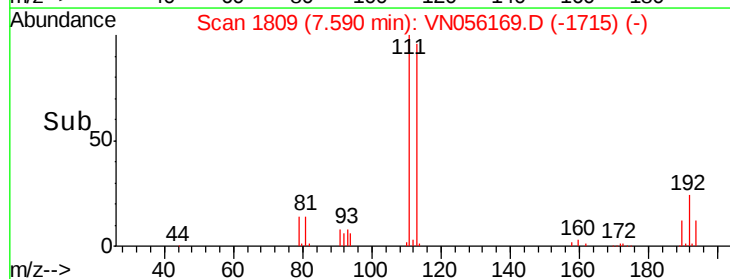
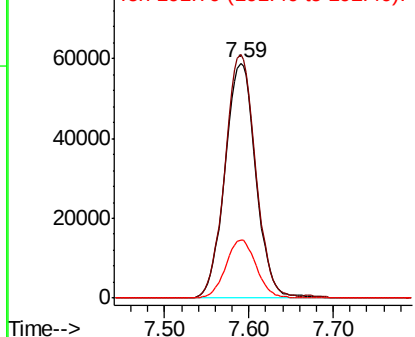


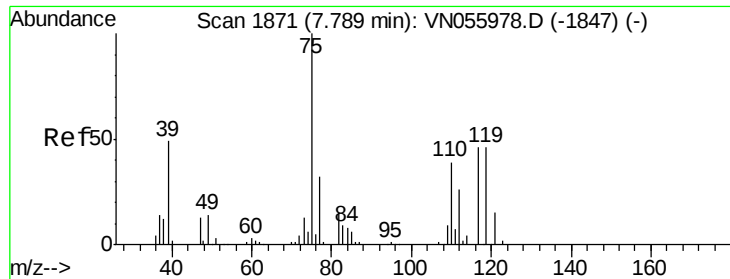
#35
Dibromofluoromethane
Concen: 53.055 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056169.D
Acq: 10 Jun 2019 14:57

Tgt Ion:113 Resp: 150201
Ion Ratio Lower Upper
113 100
111 102.3 81.9 122.9
192 24.4 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

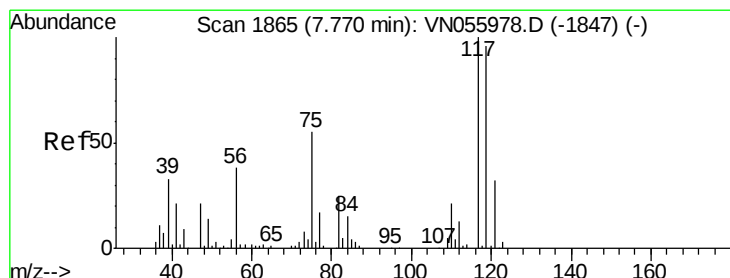
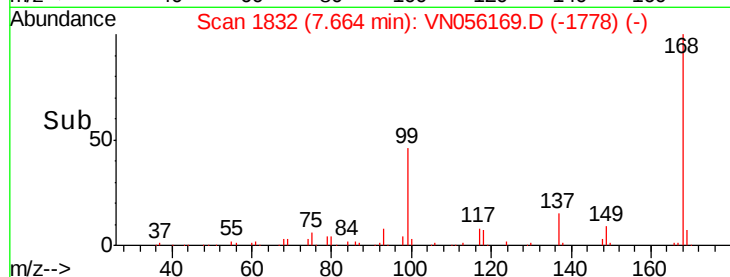
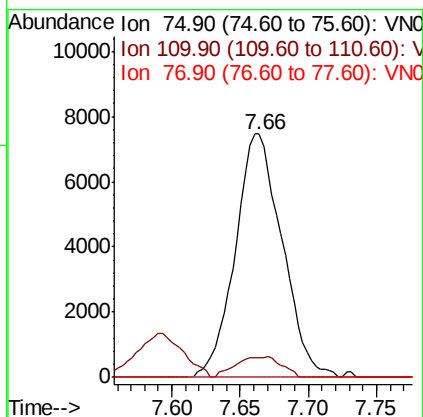
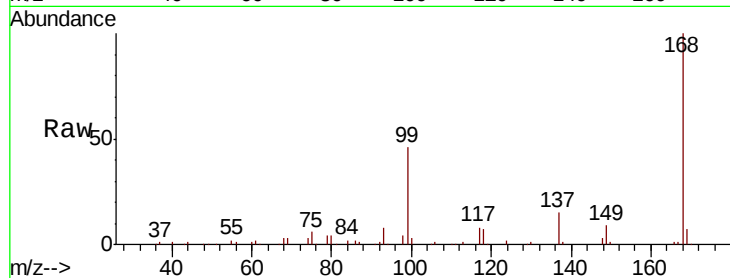




#36
 1,1-Dichloropropene
 Concen: 4.483 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056169.D
 Acq: 10 Jun 2019 14:57

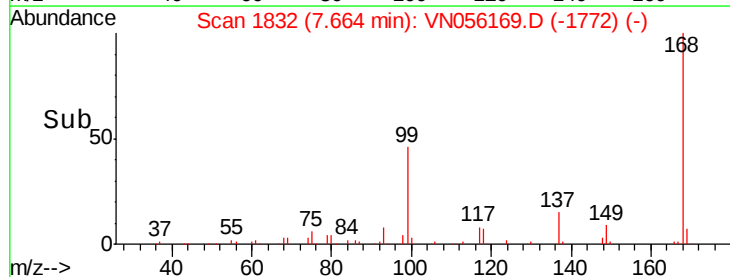
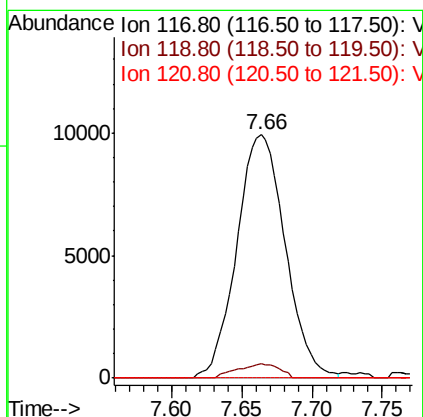
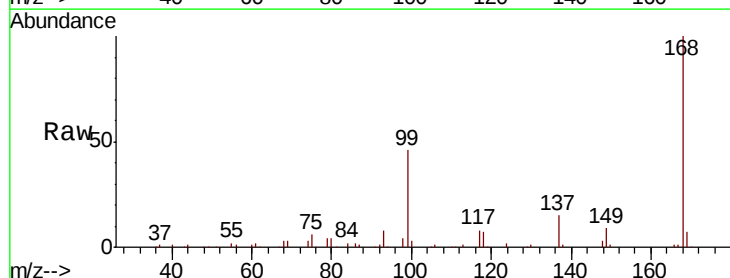
Instrument :
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 RE108D1-20190604

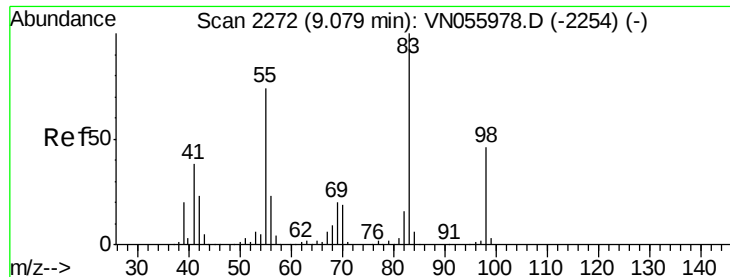
Tot Ion	75	Resp	17785
Ion Ratio	Lower	Upper	
75	100		
110	8.2	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.524 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056169.D
 Acq: 10 Jun 2019 14:57

Tgt Ion	117	Resp	23865
Ion Ratio	Lower	Upper	
117	100		
119	5.7	79.0	118.6#
121	0.0	24.7	37.1#

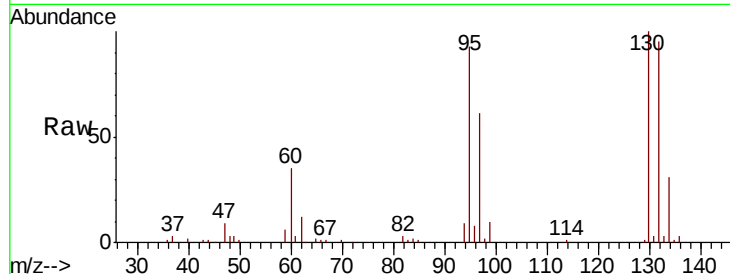




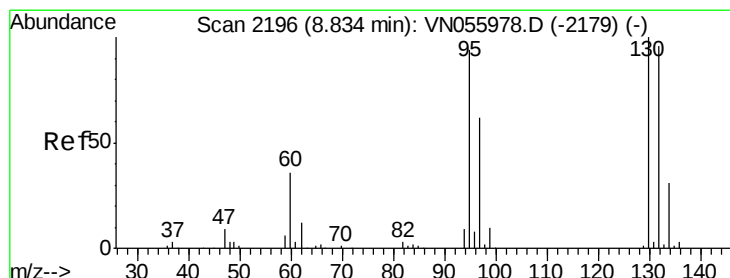
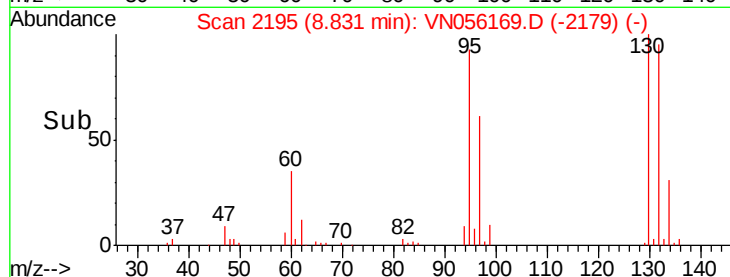
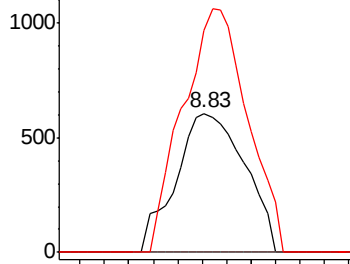
#39
Methvlcvclohexane
Concen: 0.240 ug/l
RT: 8.83 min Scan# 2195
Delta R.T. -0.25 min
Lab File: VN056169.D
Acq: 10 Jun 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
RE108D1-20190604

Tot Ion: 83 Resp: 1188
Ion Ratio Lower Upper
83 100
55 0.0 59.3 88.9#
98 159.4 36.6 54.8#

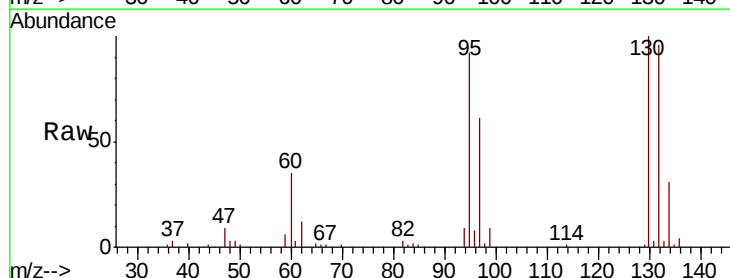


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

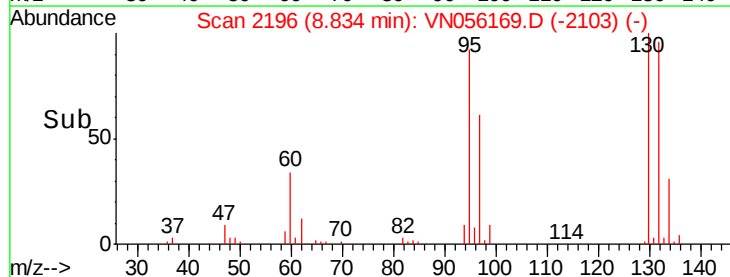
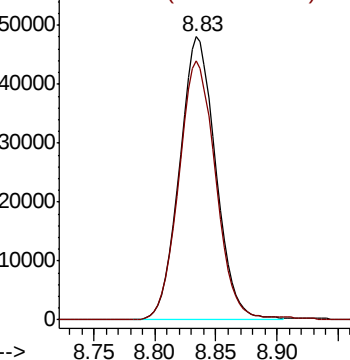


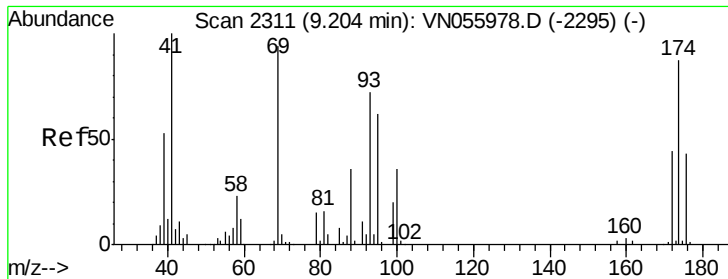
#44
Trichloroethene
Concen: 28.495 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN056169.D
Acq: 10 Jun 2019 14:57

Tgt Ion:130 Resp: 98671
Ion Ratio Lower Upper
130 100
95 91.6 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0

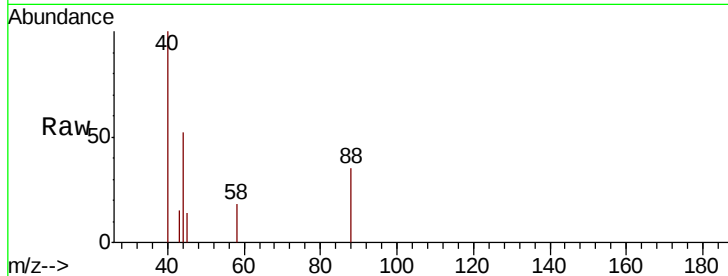




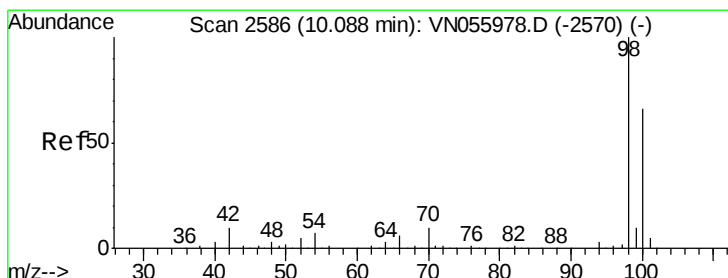
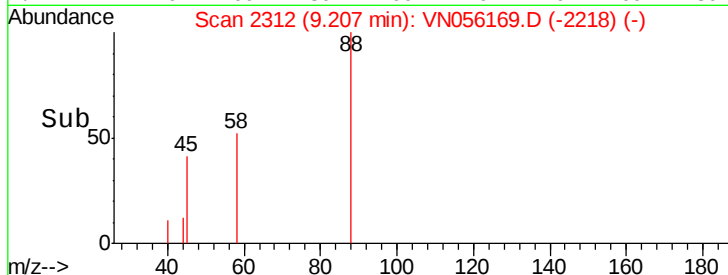
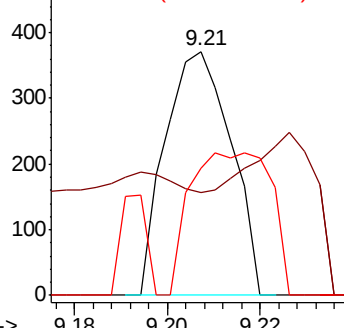
#49
 1,4-Dioxane
 Concen: 6.058 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056169.D
 Acq: 10 Jun 2019 14:57

Instrument :
 MSVOA_N
 ClientSampleId :
 RE108D1-20190604

Tot Ion: 88 Resp: 366
 Ion Ratio Lower Upper
 88 100
 43 76.0 20.5 30.7#
 58 72.1 55.8 83.6

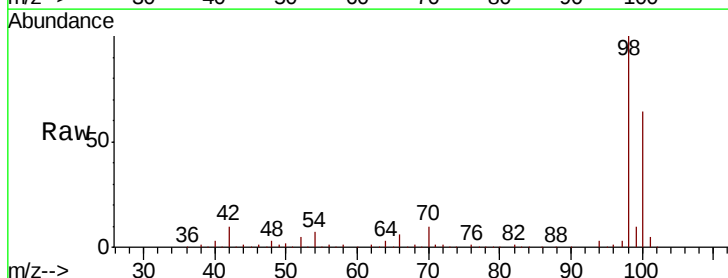


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

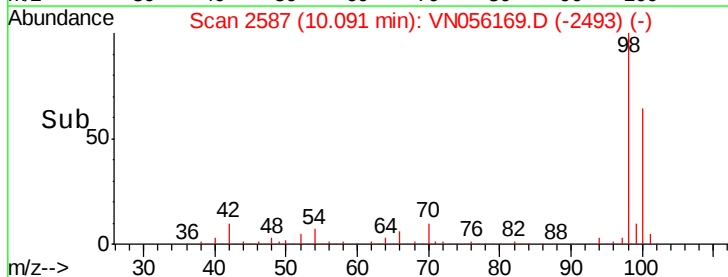
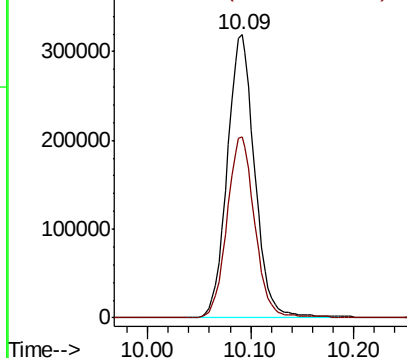


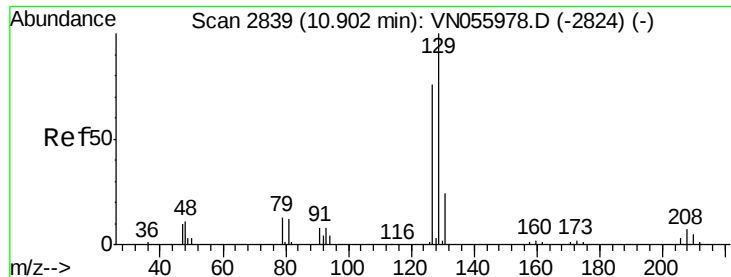
#50
 Toluene-d8
 Concen: 54.286 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN056169.D
 Acq: 10 Jun 2019 14:57

Tgt Ion: 98 Resp: 591376
 Ion Ratio Lower Upper
 98 100
 100 64.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





#60

Dibromochloromethane

Concen: 3.529 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.27 min

Lab File: VN056169.D

Acq: 10 Jun 2019 14:57

Instrument :

MSVOA_N

ClientSampleId :

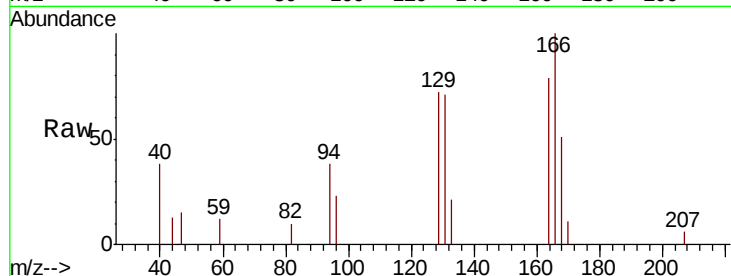
RE108D1-20190604

Tot Ion:129 Resp: 3711

Ion Ratio Lower Upper

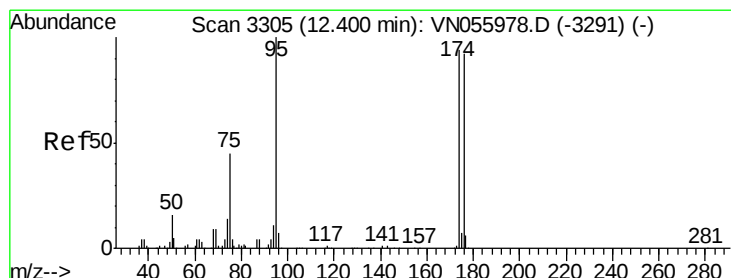
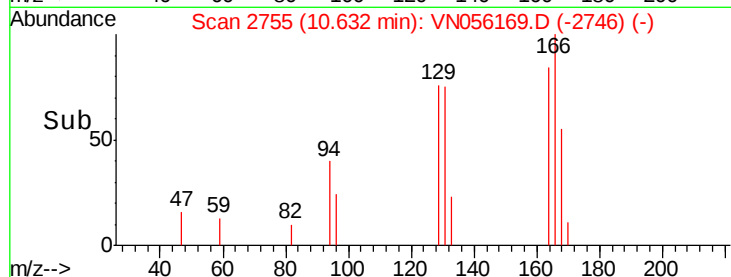
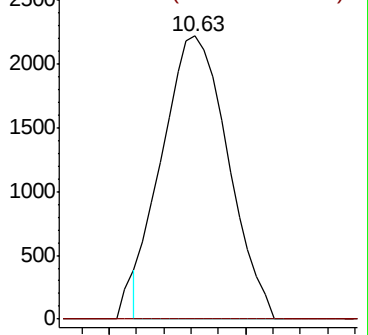
129 100

127 0.0 38.1 114.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 49.434 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056169.D

Acq: 10 Jun 2019 14:57

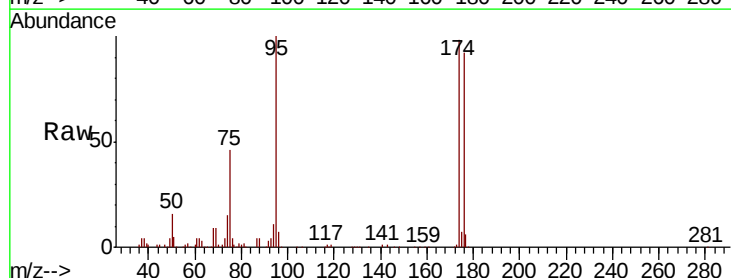
Tgt Ion: 95 Resp: 183139

Ion Ratio Lower Upper

95 100

174 97.9 0.0 191.0

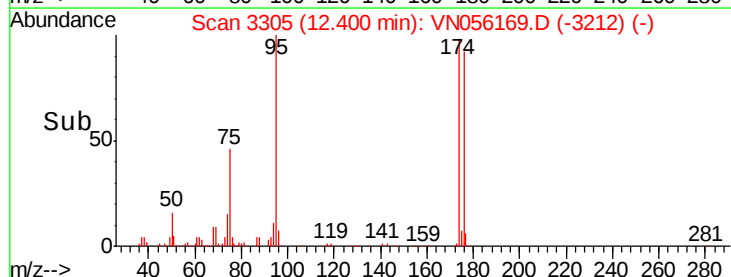
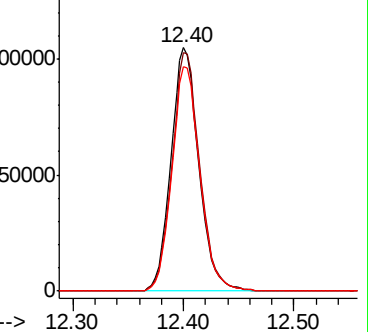
176 93.0 0.0 185.2

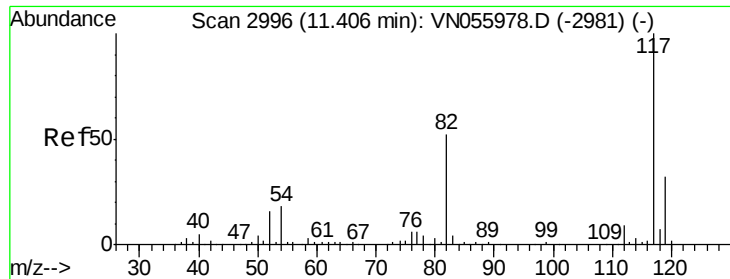


Abundance Ion 94.90 (94.60 to 95.60): V

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: VN056169.D

Acq: 10 Jun 2019 14:57

Instrument :

MSVOA_N

ClientSampleId :

RE108D1-20190604

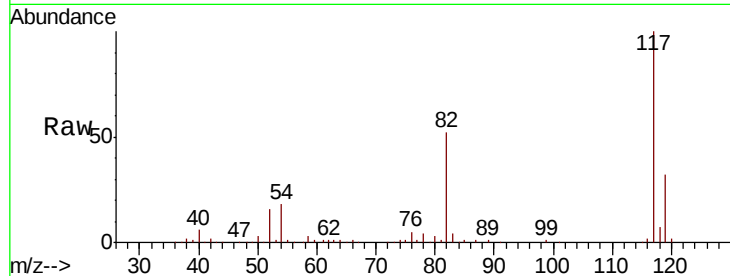
Tot Ion:117 Resp: 441332

Ion Ratio Lower Upper

117 100

82 51.7 41.8 62.8

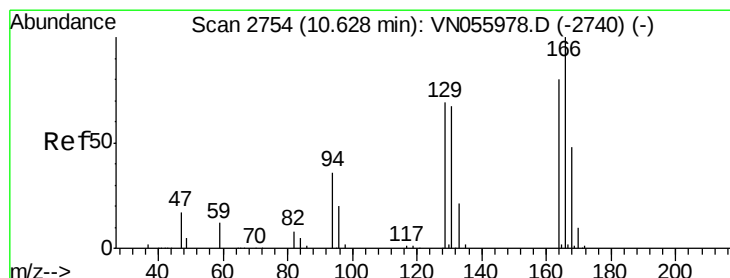
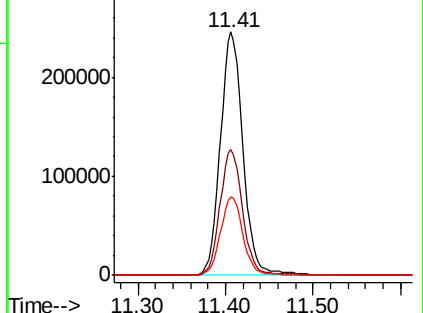
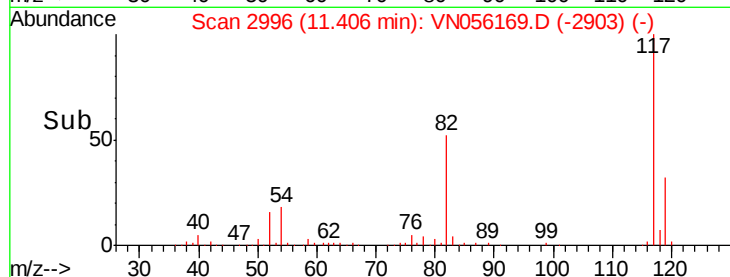
119 32.5 25.4 38.0



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



#64

Tetrachloroethene

Concen: 1.116 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056169.D

Acq: 10 Jun 2019 14:57

Tgt Ion:164 Resp: 4263

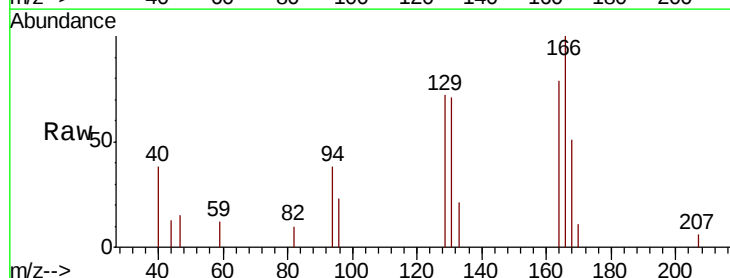
Ion Ratio Lower Upper

164 100

166 126.3 103.0 154.6

129 91.0 70.6 105.8

131 89.5 68.6 102.8

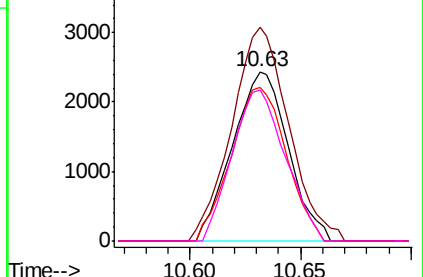
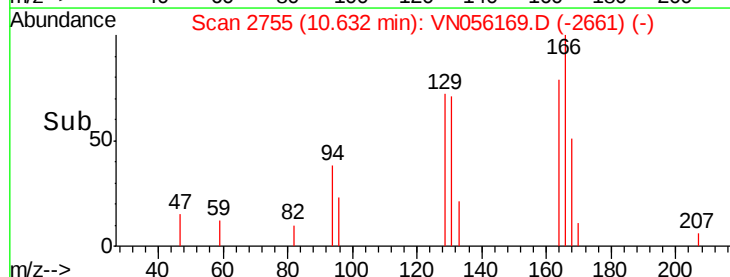


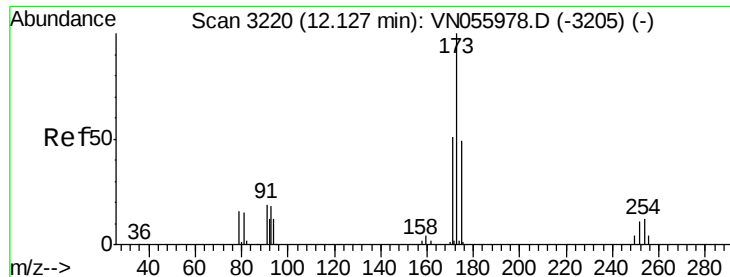
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

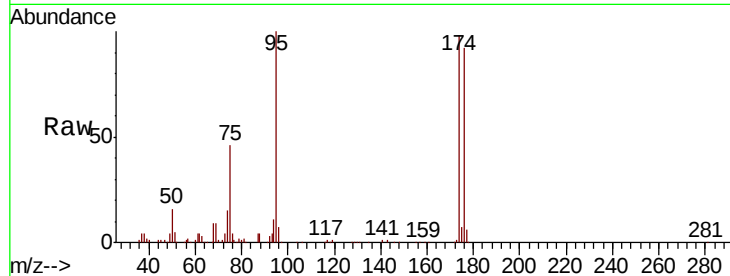




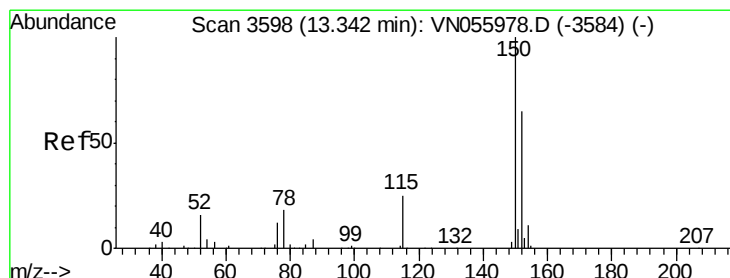
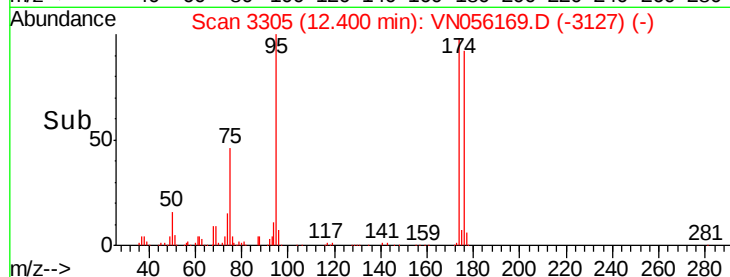
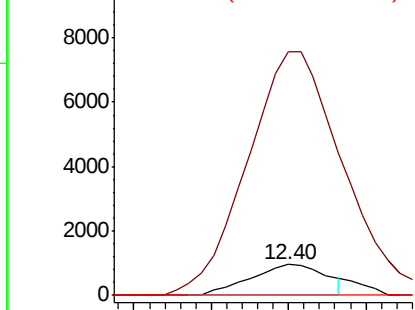
#71
Bromoform
Concen: 3.225 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056169.D
Acq: 10 Jun 2019 14:57

Instrument :
MSVOA_N
ClientSampleId :
RE108D1-20190604

Tot Ion:173 Resp: 1302
Ion Ratio Lower Upper
173 100
175 847.1 24.3 72.8#
254 0.0 0.0 0.0

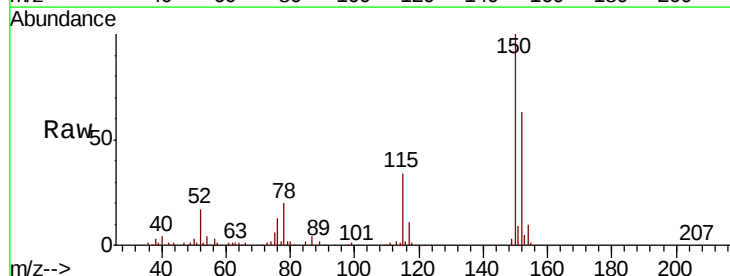


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

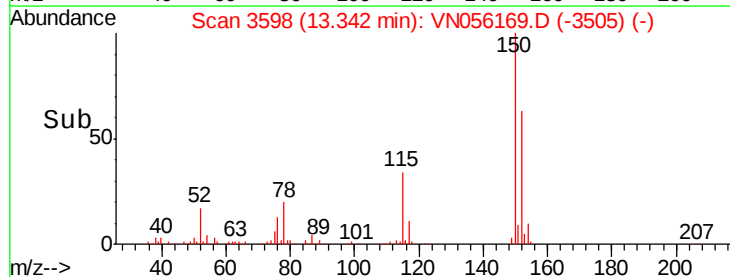
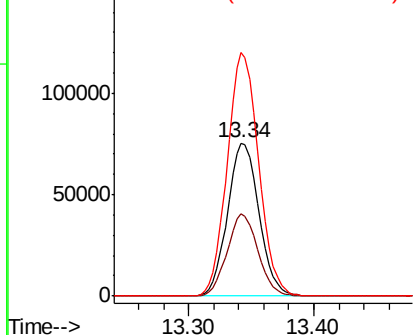


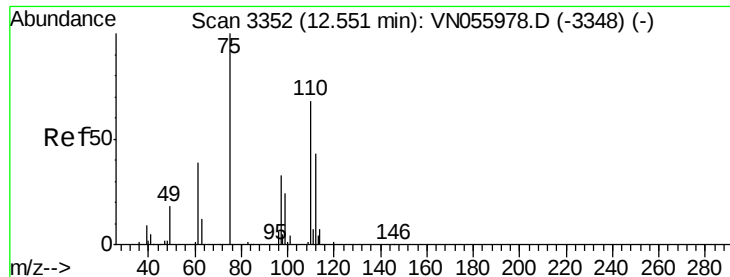
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056169.D
Acq: 10 Jun 2019 14:57

Tgt Ion:152 Resp: 131581
Ion Ratio Lower Upper
152 100
115 52.8 27.0 81.0
150 158.3 0.0 343.2



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





#76

1,2,3-Trichloropropane

Concen: 34.565 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056169.D

Acq: 10 Jun 2019 14:57

Instrument :

MSVOA_N

ClientSampleId :

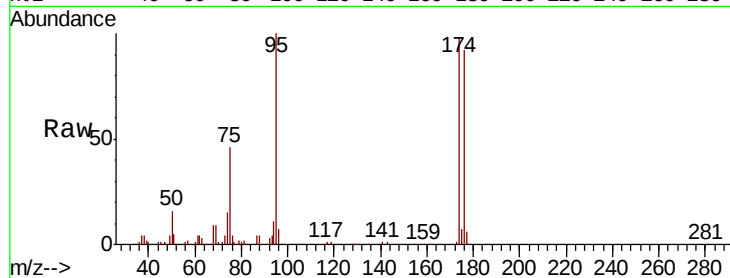
RE108D1-20190604

Tot Ion: 75 Resp: 83688

Ion Ratio Lower Upper

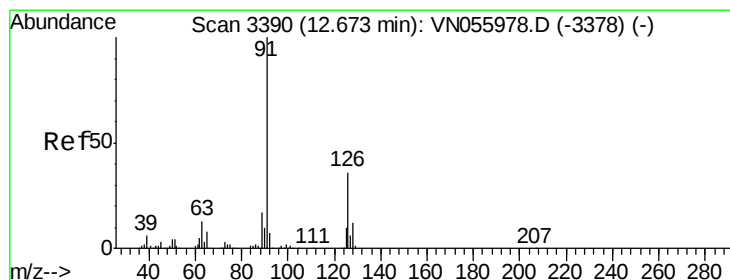
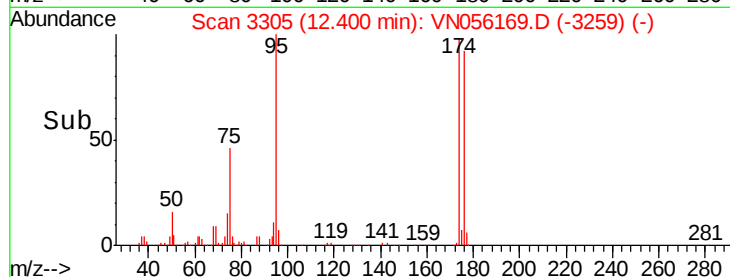
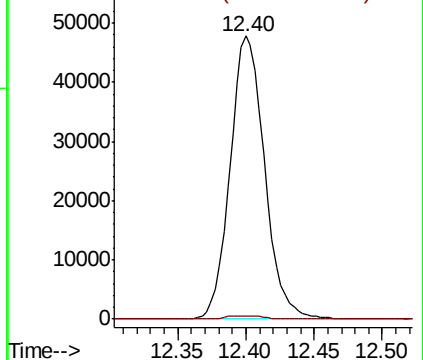
75 100

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: 12.41 min Scan# 3307

Delta R.T. -0.27 min

Lab File: VN056169.D

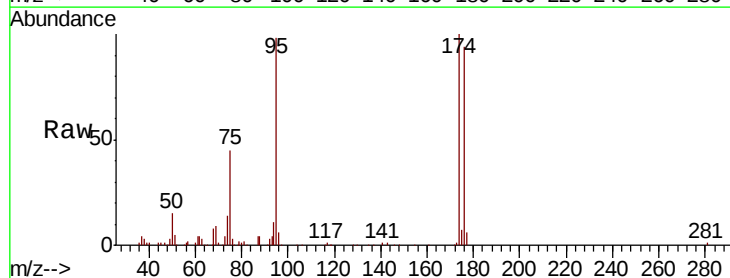
Acq: 10 Jun 2019 14:57

Tgt Ion: 91 Resp: 501

Ion Ratio Lower Upper

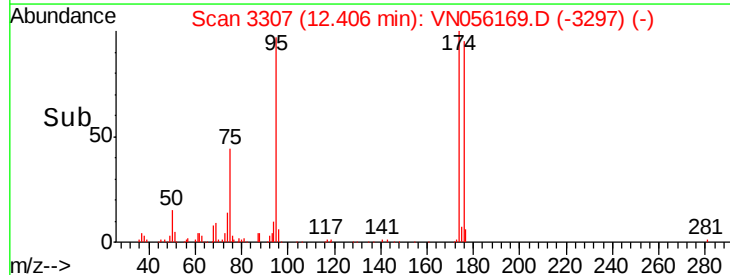
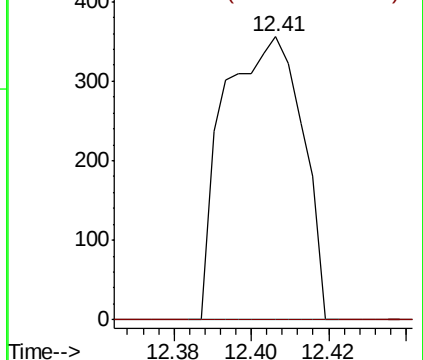
91 100

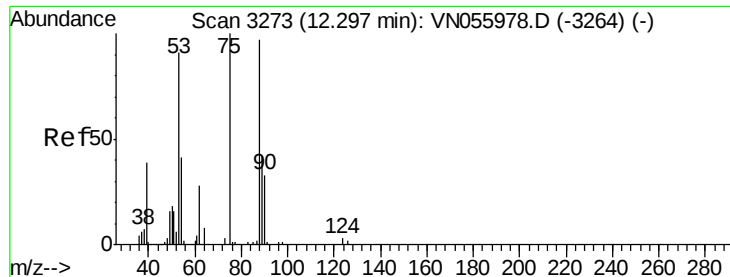
126 0.0 18.1 54.4#



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: 115.109 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056169.D

Acq: 10 Jun 2019 14:57

Instrument :

MSVOA_N

ClientSampleId :

RE108D1-20190604

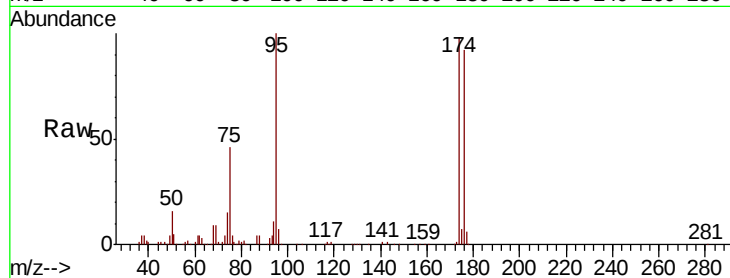
Tot Ion: 75 Resp: 83688

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

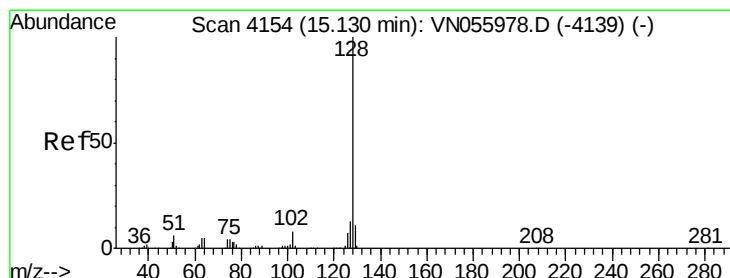
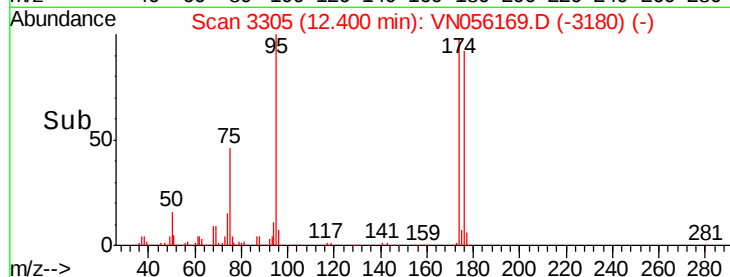
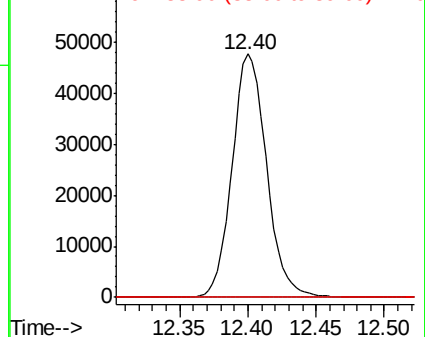
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN055978.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN055978.D (-3264) (-)



#95

Naphthalene

Concen: 3.868 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN056169.D

Acq: 10 Jun 2019 14:57

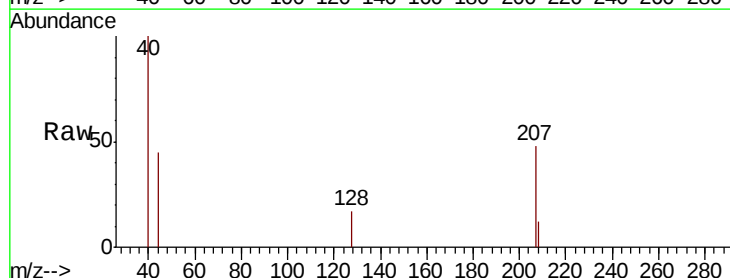
Tgt Ion: 128 Resp: 117

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): VN055978.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN055978.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN055978.D (-4139) (-)

