

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055180.D
 Acq On : 22 Apr 2019 14:46
 Operator : JC/SP
 Sample : VN0422WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBL01

Quant Time: Apr 23 05:59:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	379222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	633797	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	563184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	153668	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	247729	48.26	ug/l	0.00
Spiked Amount			Recovery	=	96.52%	
35) Dibromofluoromethane	7.59	113	208340	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	
50) Toluene-d8	10.09	98	773164	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
62) 4-Bromofluorobenzene	12.40	95	231839	45.89	ug/l	0.00
Spiked Amount			Recovery	=	91.78%	

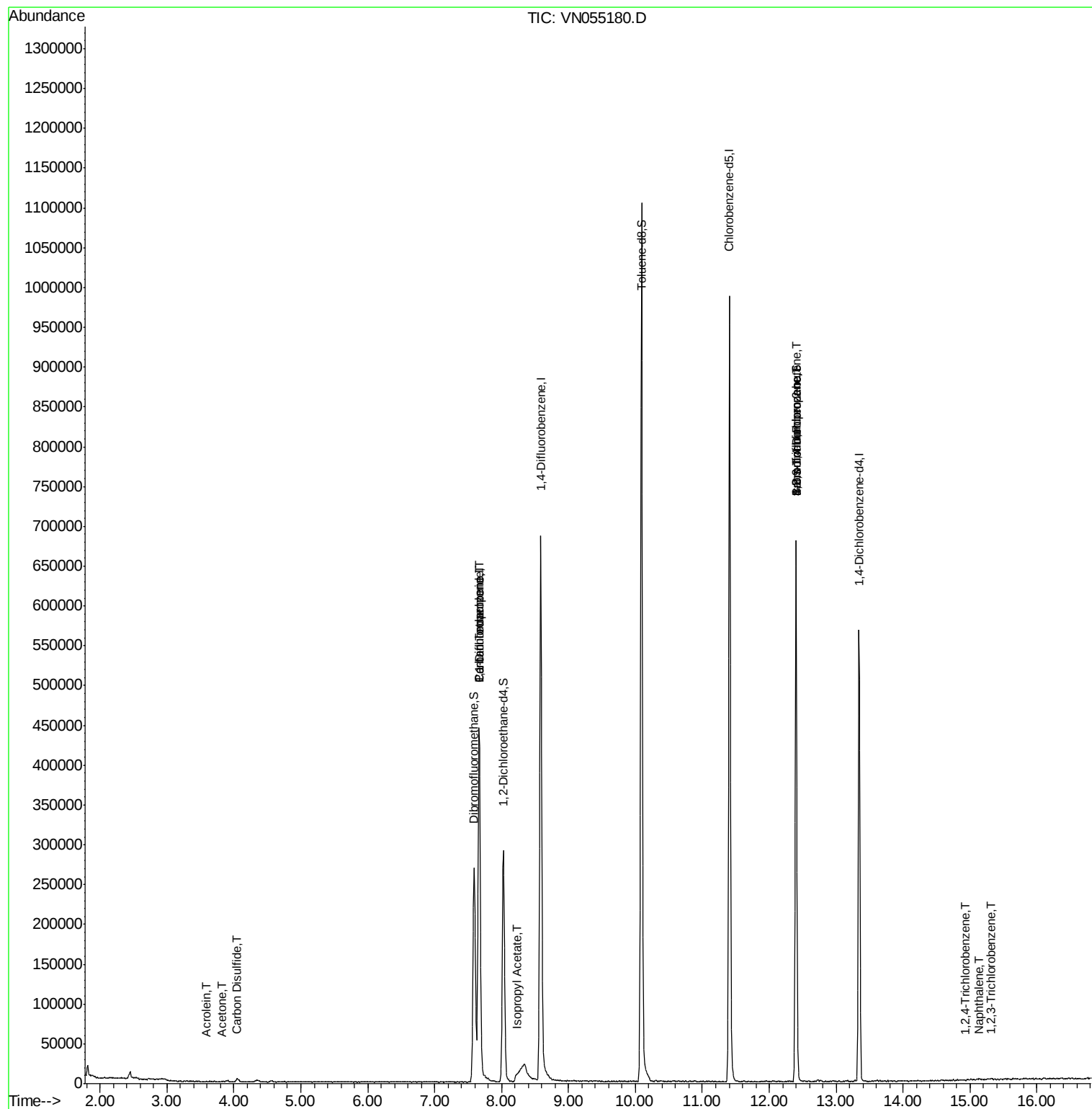
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	102	9.727	ug/l #	14
16) Acetone	3.82	43	401	0.236	ug/l #	45
17) Carbon Disulfide	4.05	76	7908	0.725	ug/l	97
31) Cyclohexane	7.67	56	7793	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	28495	4.844	ug/l #	50
38) Carbon Tetrachloride	7.66	117	34195	6.207	ug/l #	17
43) Isopropyl Acetate	8.22	43	6286	0.818	ug/l #	56
71) Bromoform	12.39	173	528	0.208	ug/l #	1
73) Isopropylbenzene	12.25	105	412	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.39	83	71	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	118892	38.137	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	118892	144.570	ug/l #	5
83) tert-Butylbenzene	12.98	119	30	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	257	2.845	ug/l #	44
94) Hexachlorobutadiene	15.01	225	352	Below Cal	#	53
95) Naphthalene	15.13	128	1209	3.619	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.32	180	498	2.336	ug/l #	83

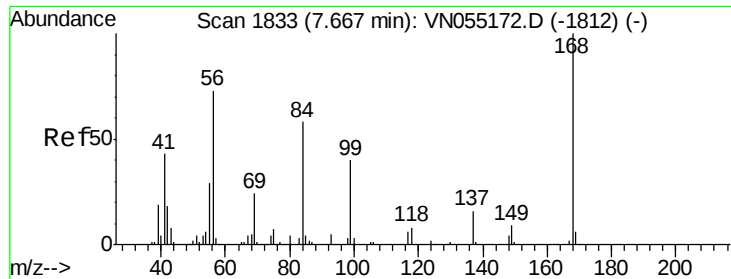
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN042219\
Data File : VN055180.D
Acq On : 22 Apr 2019 14:46
Operator : JC/SP
Sample : VN0422WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0422WBL01

Quant Time: Apr 23 05:59:31 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 05:52:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN055180.D

Acq: 22 Apr 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

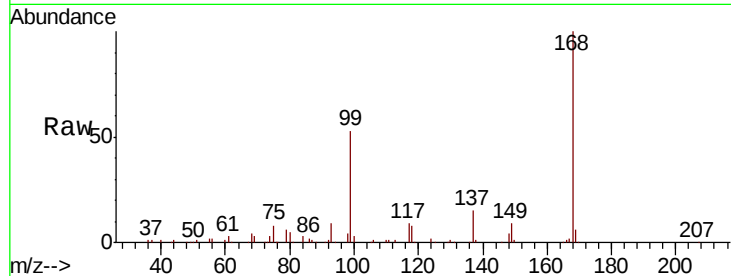
VN0422WBL01

Tot Ion:168 Resp: 379222

Ion Ratio Lower Upper

168 100

99 53.1 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VN055180.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN055180.D (-1740) (-)

7.67

150000

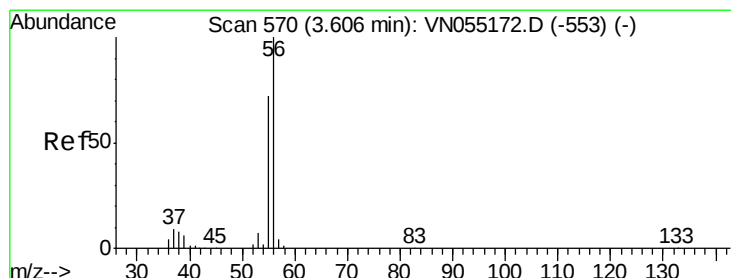
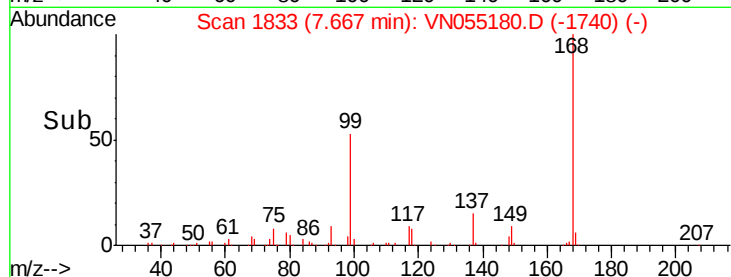
100000

50000

0

7.60 7.70 7.80

Time-->



#13

Acrolein

Concen: 9.727 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN055180.D

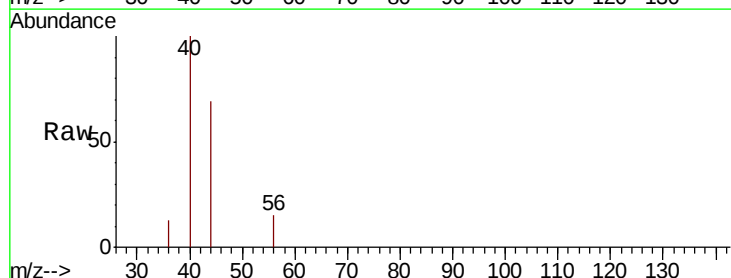
Acq: 22 Apr 2019 14:46

Tgt Ion: 56 Resp: 102

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VN055180.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN055180.D (-477) (-)

3.60

250

200

150

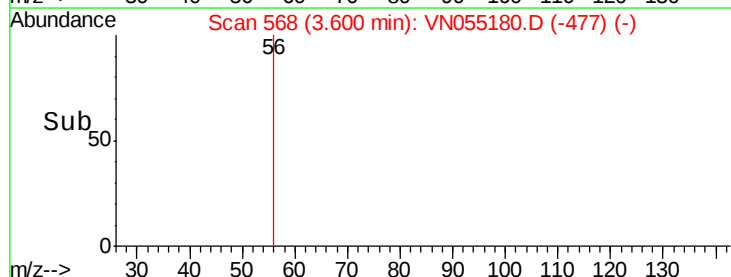
100

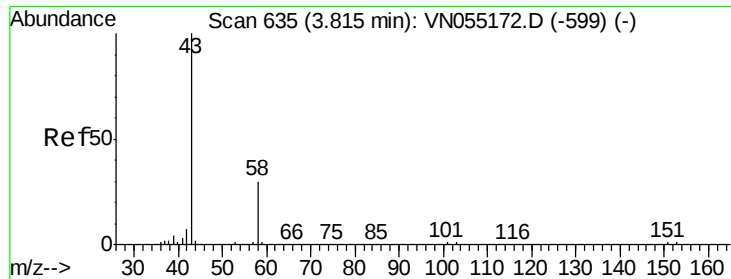
50

0

3.59 3.60 3.61

Time-->





#16

Acetone

Concen: 0.236 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055180.D

Acq: 22 Apr 2019 14:46

Instrument :

MSVOA_N

ClientSampled :

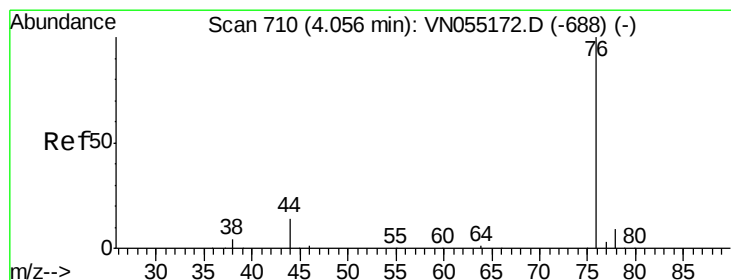
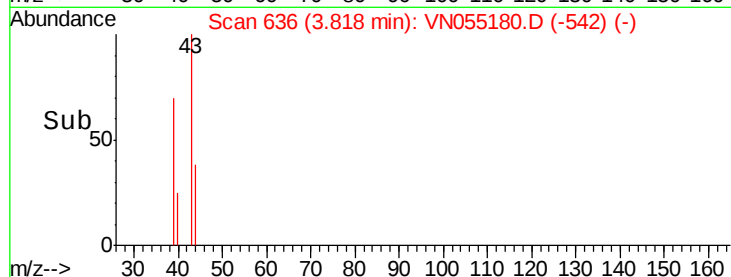
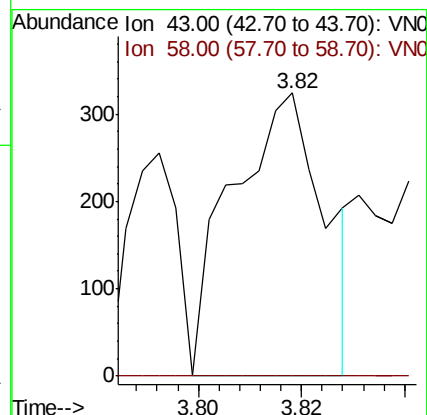
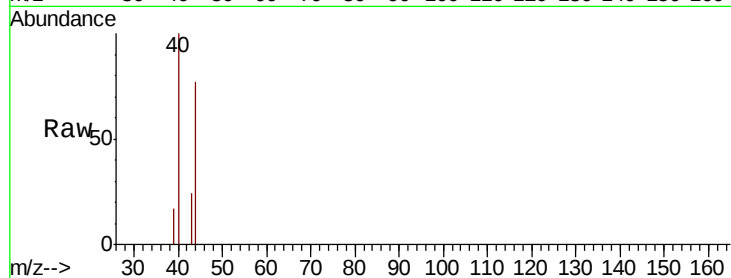
VN0422WBL01

Tot Ion: 43 Resp: 401

Ion Ratio Lower Upper

43 100

58 0.0 23.8 35.8#



#17

Carbon Disulfide

Concen: 0.725 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.01 min

Lab File: VN055180.D

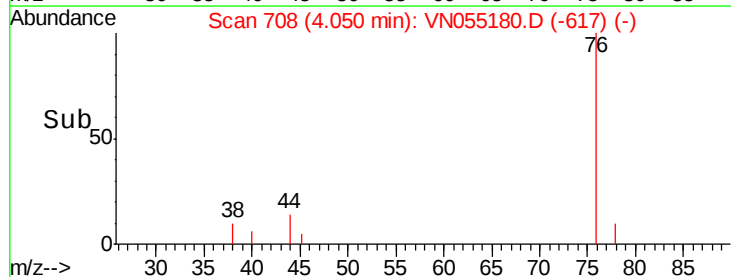
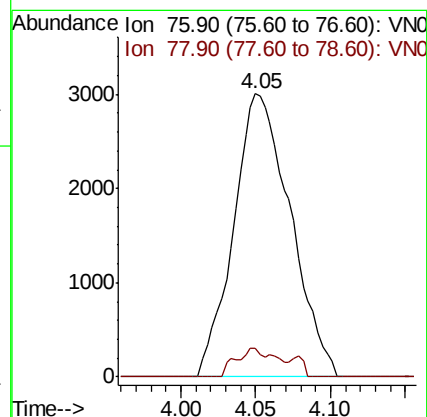
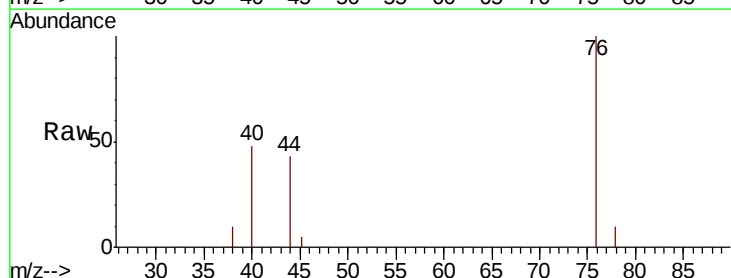
Acq: 22 Apr 2019 14:46

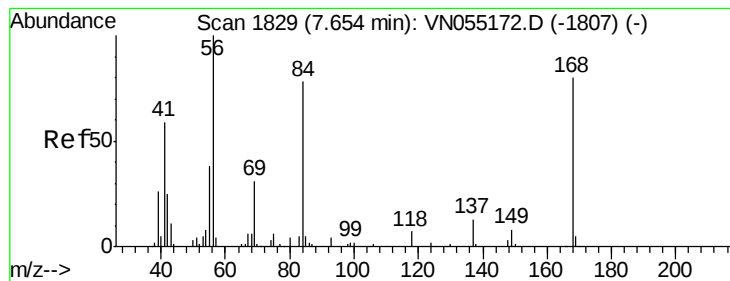
Tgt Ion: 76 Resp: 7908

Ion Ratio Lower Upper

76 100

78 10.2 7.3 10.9





#31

Cyclohexane

Concen: Below Cal

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN055180.D

Acq: 22 Apr 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBL01

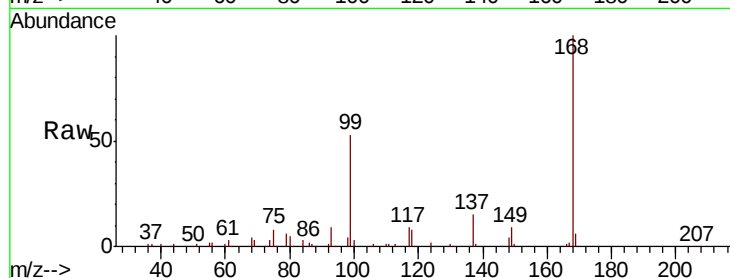
Tot Ion: 56 Resp: 7793

Ion Ratio Lower Upper

56 100

69 174.6 24.6 37.0#

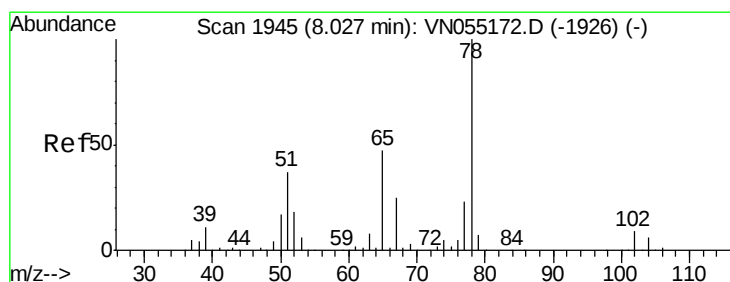
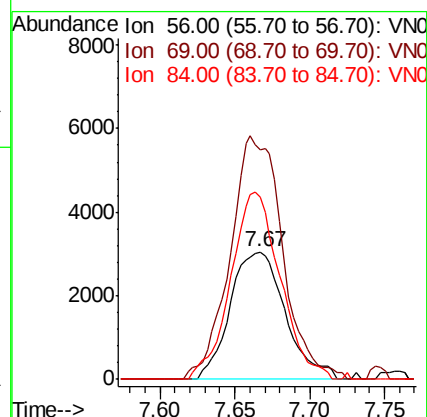
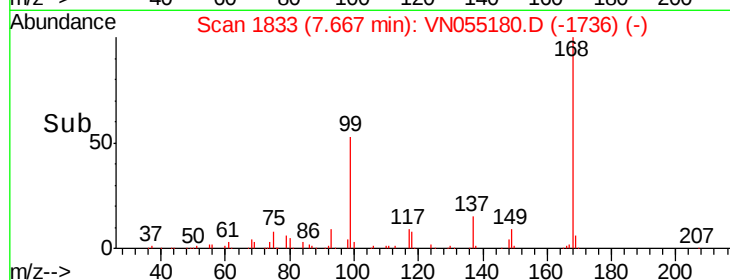
84 142.4 61.4 92.2#



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: 48.263 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN055180.D

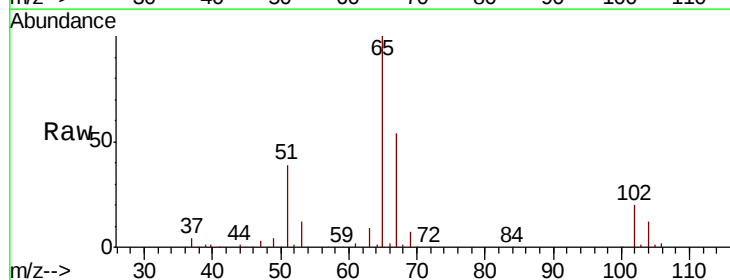
Acq: 22 Apr 2019 14:46

Tgt Ion: 65 Resp: 247729

Ion Ratio Lower Upper

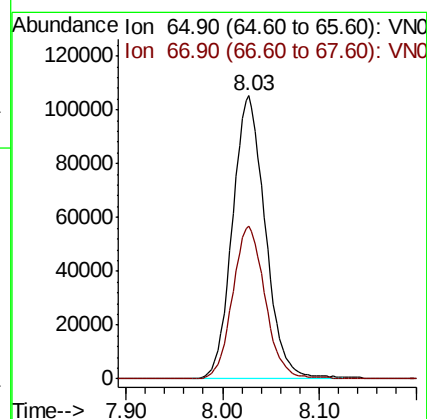
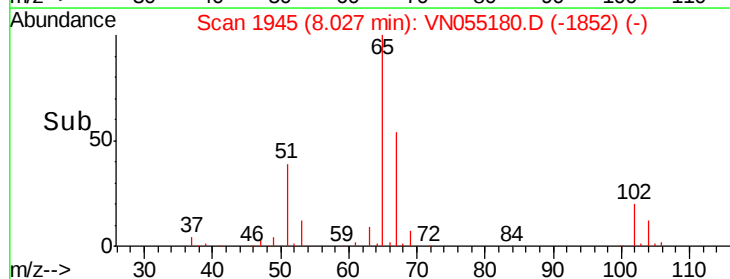
65 100

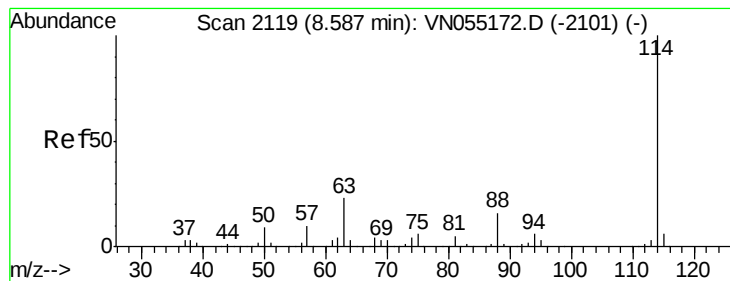
67 53.6 0.0 108.6



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: VN055180.D

Acq: 22 Apr 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBL01

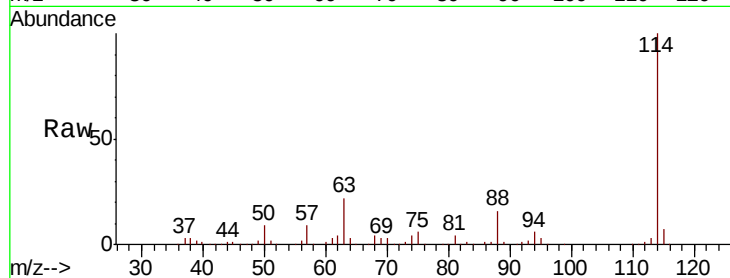
Tot Ion:114 Resp: 633797

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.2

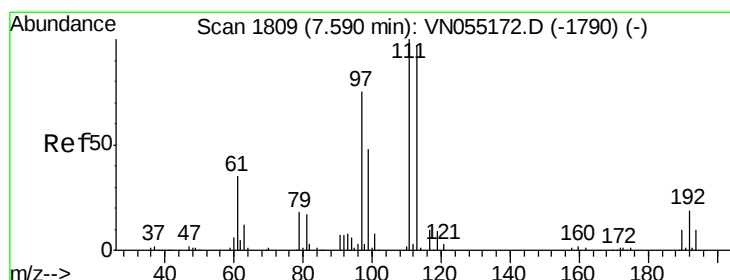
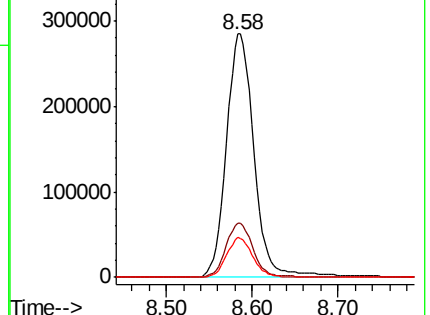
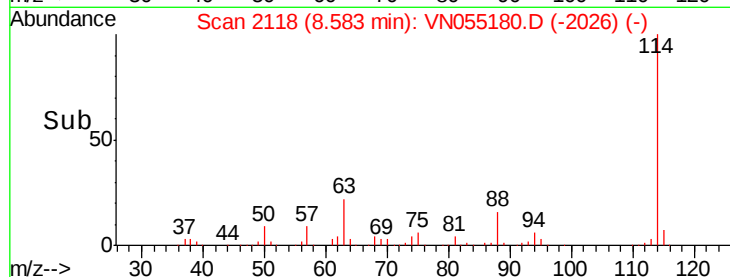
88 16.3 0.0 32.8



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: 48.387 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN055180.D

Acq: 22 Apr 2019 14:46

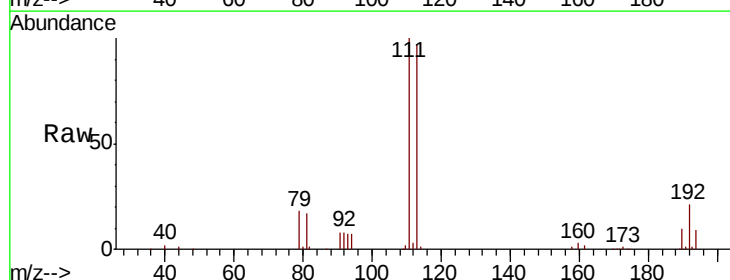
Tgt Ion:113 Resp: 208340

Ion Ratio Lower Upper

113 100

111 101.3 81.0 121.4

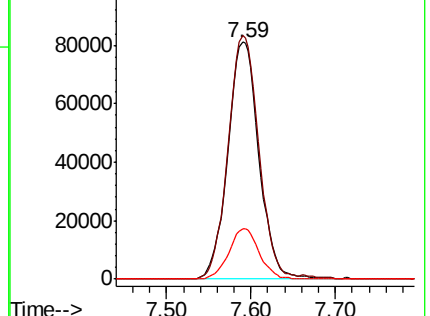
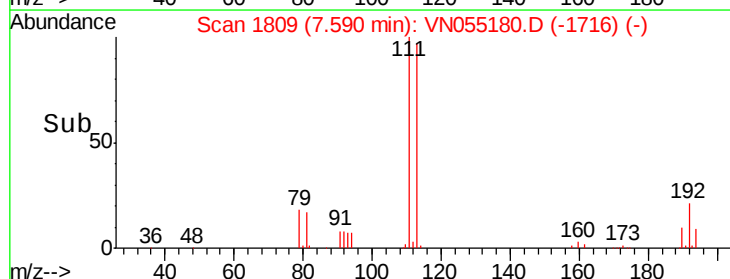
192 20.6 16.2 24.4

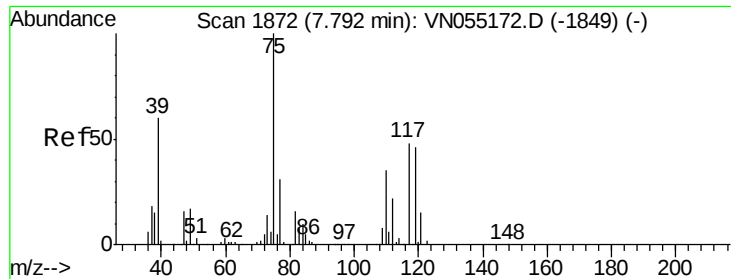


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

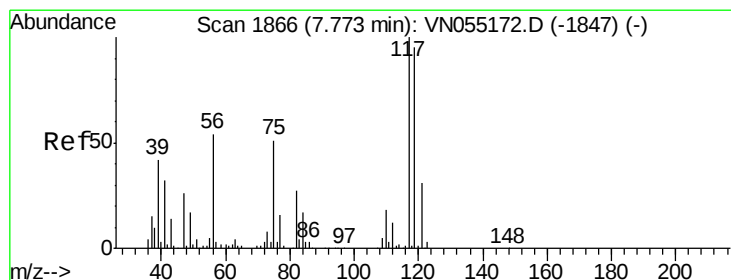
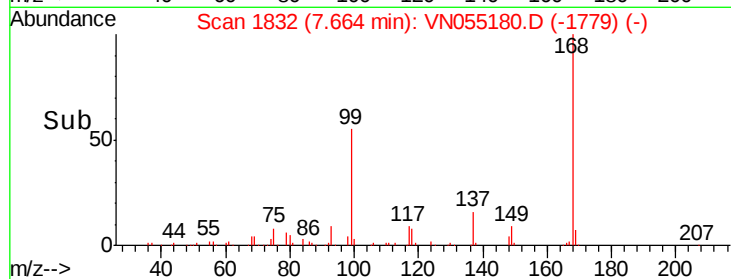
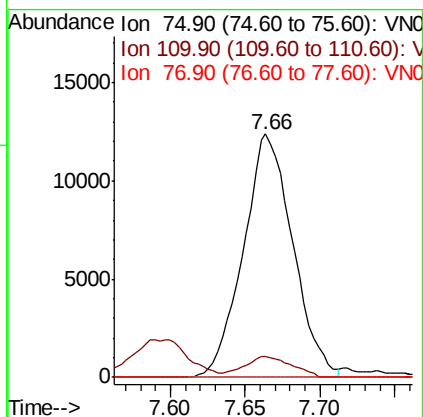
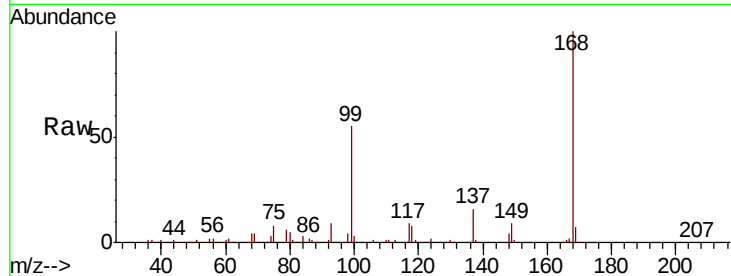




#36
 1,1-Dichloropropene
 Concen: 4.844 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055180.D
 Acq: 22 Apr 2019 14:46

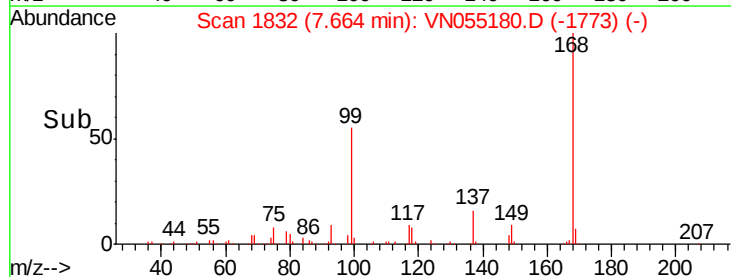
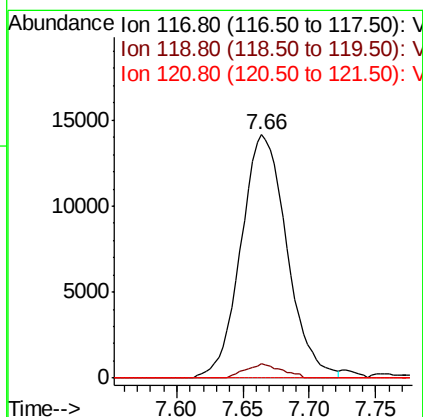
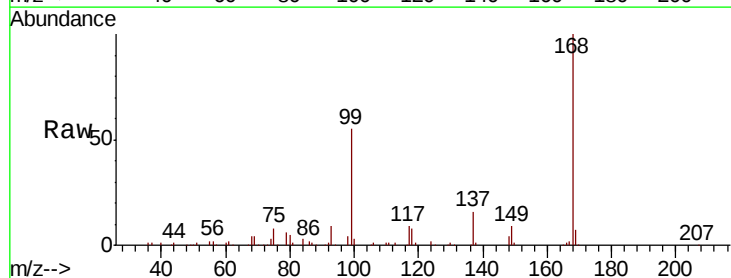
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBL01

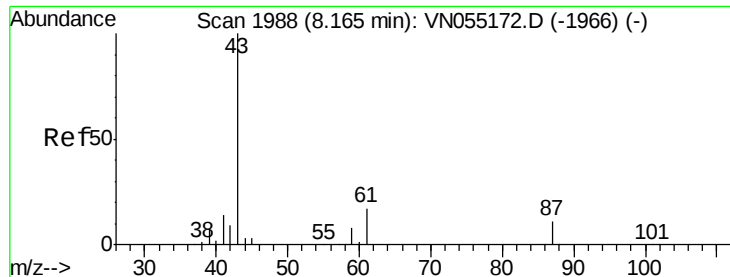
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.1	51.2#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.207 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN055180.D
 Acq: 22 Apr 2019 14:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.0	114.0#
121	0.0	24.6	36.8#





#43

Isopropyl Acetate

Concen: 0.818 ug/l

RT: 8.22 min Scan# 2005

Delta R.T. 0.05 min

Lab File: VN055180.D

Acq: 22 Apr 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBL01

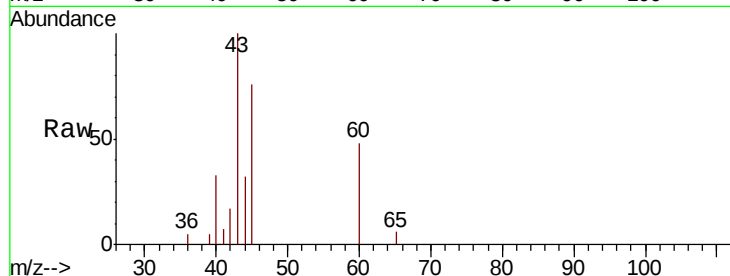
Tot Ion: 43 Resp: 6286

Ion Ratio Lower Upper

43 100

61 0.0 20.6 30.8#

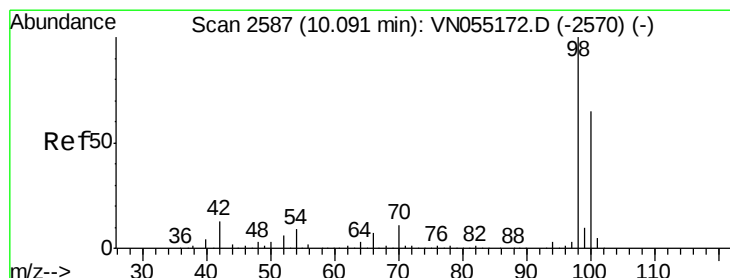
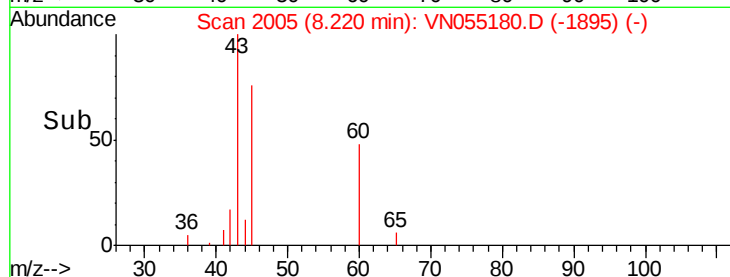
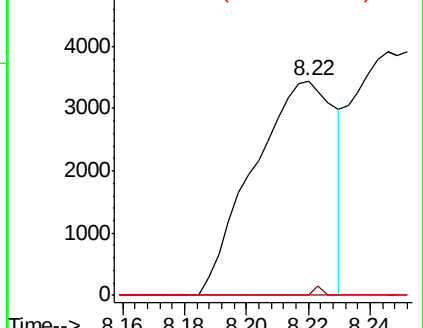
87 0.0 8.8 13.2#



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: 48.465 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055180.D

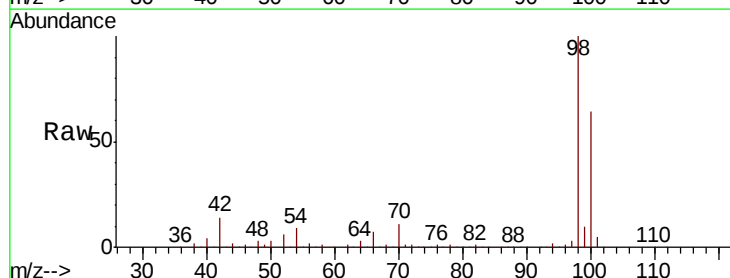
Acq: 22 Apr 2019 14:46

Tgt Ion: 98 Resp: 773164

Ion Ratio Lower Upper

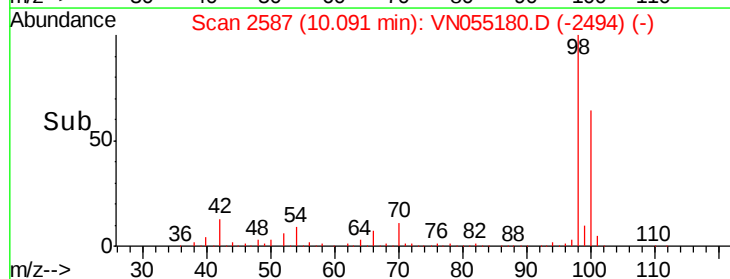
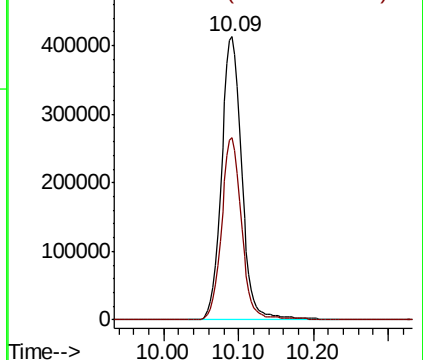
98 100

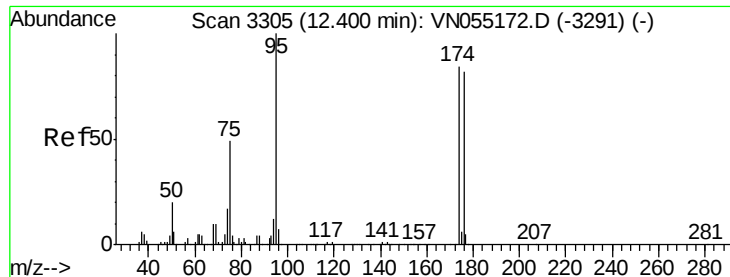
100 63.6 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 45.891 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055180.D

Acq: 22 Apr 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBL01

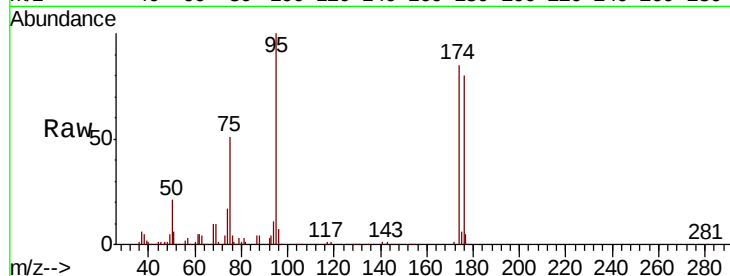
Tot Ion: 95 Resp: 231839

Ion Ratio Lower Upper

95 100

174 83.3 0.0 168.4

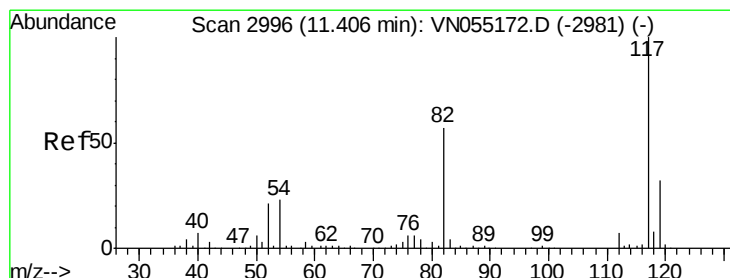
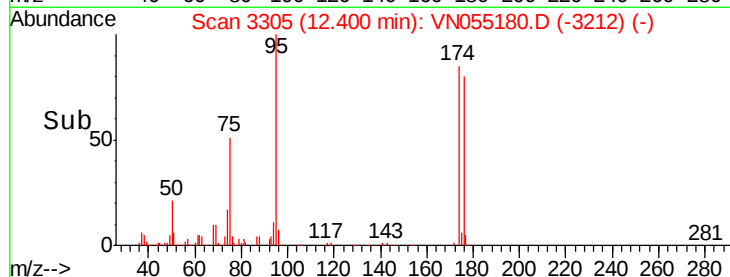
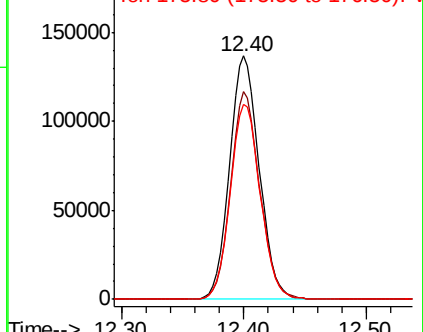
176 80.9 0.0 164.0



Abundance Ion 94.90 (94.60 to 95.60): VN055180.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN055180.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN055180.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN055180.D

Acq: 22 Apr 2019 14:46

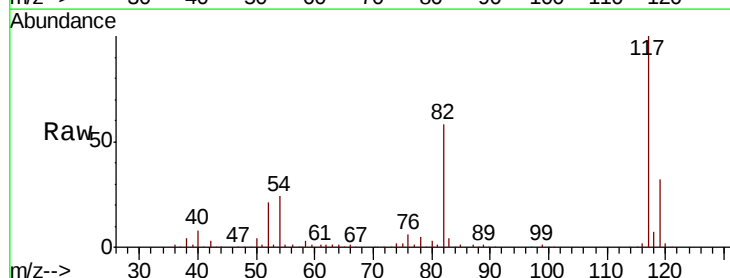
Tgt Ion: 117 Resp: 563184

Ion Ratio Lower Upper

117 100

82 57.9 45.7 68.5

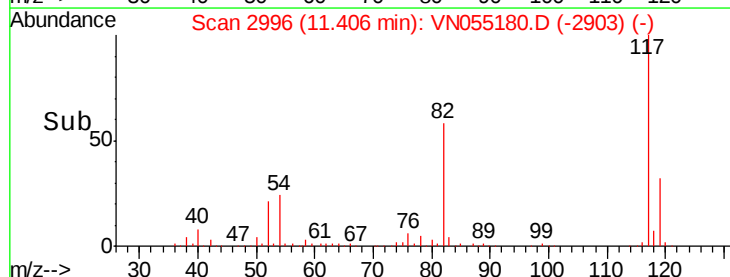
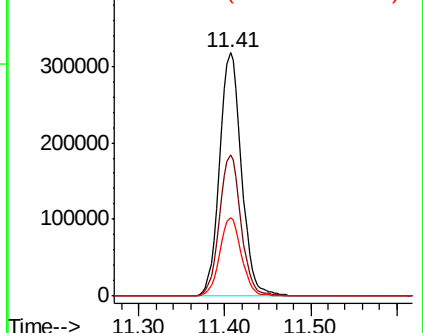
119 32.2 25.4 38.2

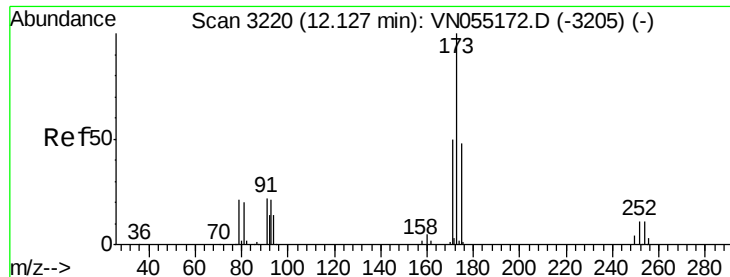


Abundance Ion 116.90 (116.60 to 117.60): VN055180.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN055180.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN055180.D (-2903) (-)





#71

Bromoform

Concen: 0.208 ug/l

RT: 12.39 min Scan# 3302

Delta R.T. 0.26 min

Lab File: VN055180.D

Acq: 22 Apr 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VN0422WBL01

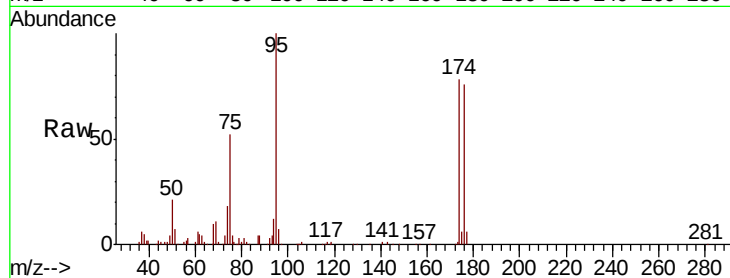
Tot Ion:173 Resp: 528

Ion Ratio Lower Upper

173 100

175 2383.0 23.8 71.2#

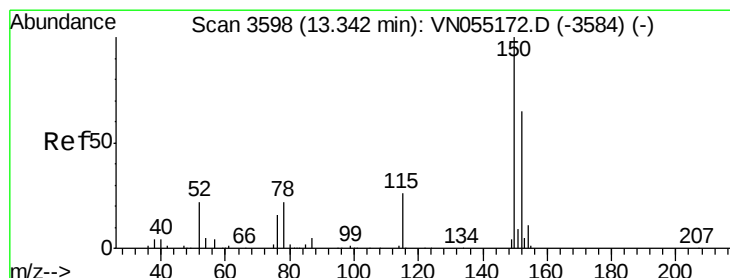
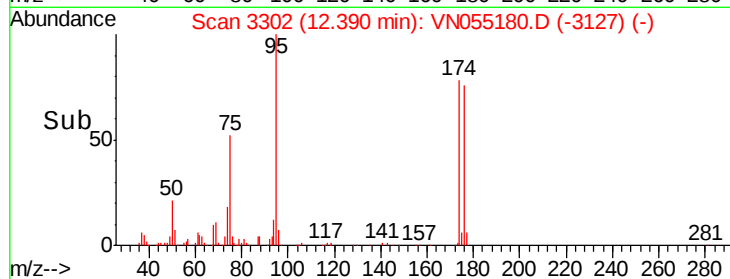
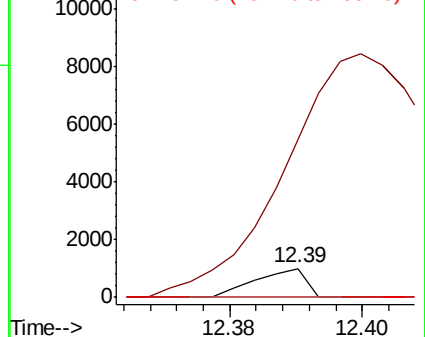
254 0.0 0.1 0.1#



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: VN055180.D

Acq: 22 Apr 2019 14:46

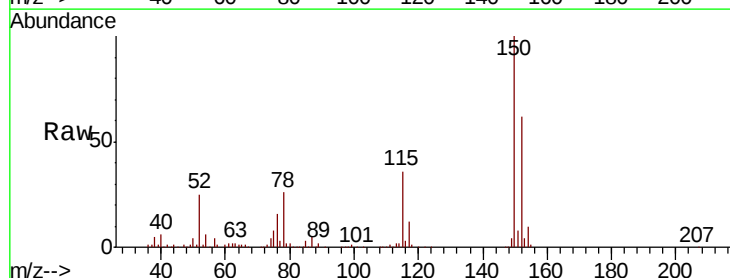
Tgt Ion:152 Resp: 153668

Ion Ratio Lower Upper

152 100

115 56.9 28.9 86.7

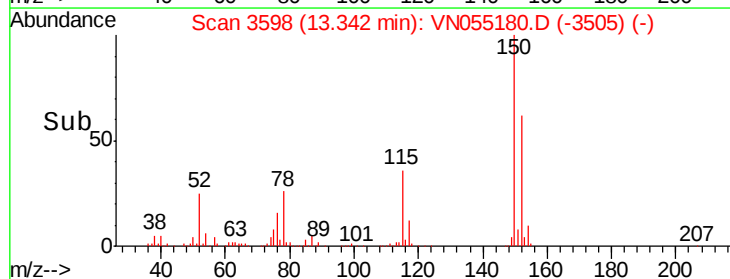
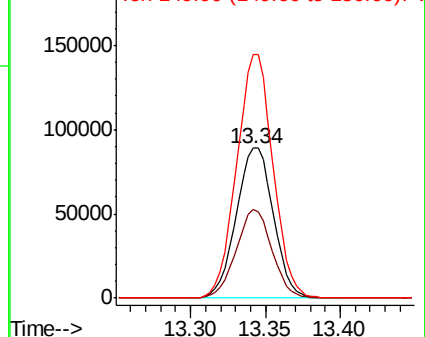
150 158.4 0.0 346.6

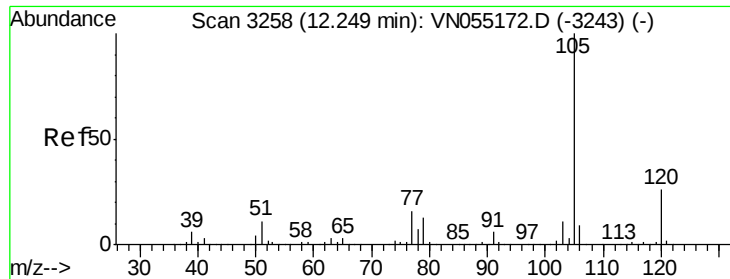


Abundance Ion 151.90 (151.60 to 152.60): V

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: VN055180.D

Acq: 22 Apr 2019 14:46

Instrument :

MSVOA_N

ClientSampled :

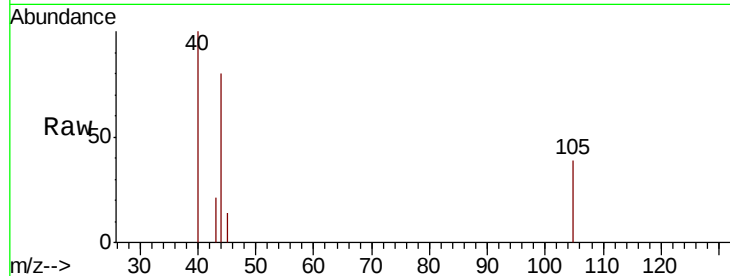
VN0422WBL01

Tot Ion: 105 Resp: 412

Ion Ratio Lower Upper

105 100

120 0.0 13.1 39.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

500

400

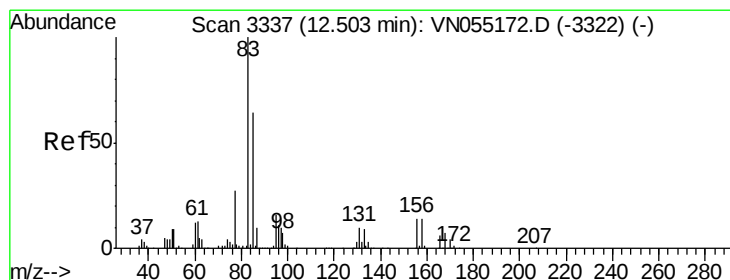
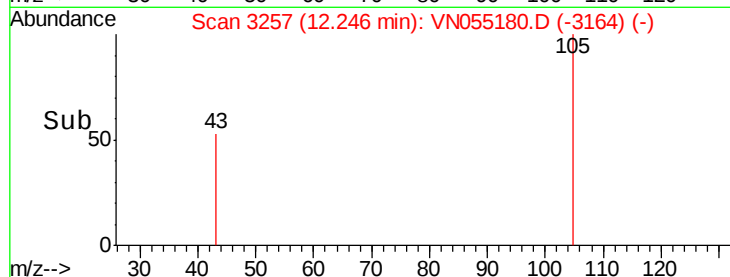
300

200

100

0

Time--> 12.22 12.24 12.26



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.39 min Scan# 3302

Delta R.T. -0.11 min

Lab File: VN055180.D

Acq: 22 Apr 2019 14:46

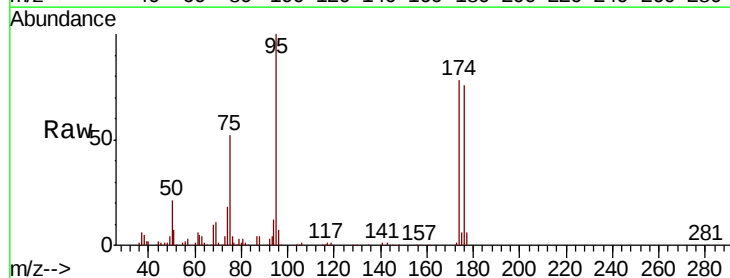
Tgt Ion: 83 Resp: 71

Ion Ratio Lower Upper

83 100

131 285.9 5.0 15.0#

85 0.0 32.1 96.3#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0

500

400

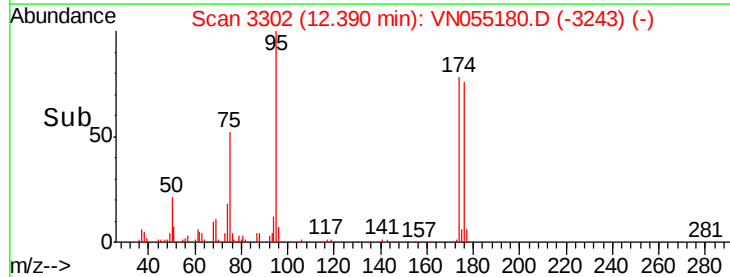
300

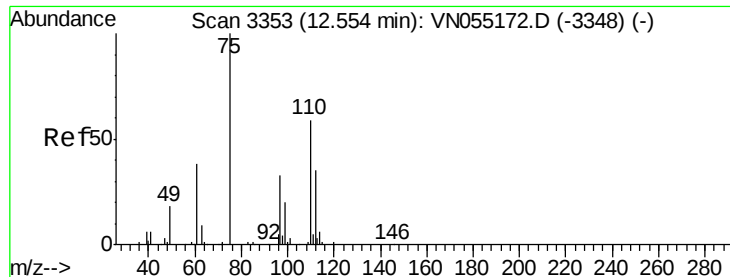
200

100

0

Time--> 12.38 12.39 12.40





#76

1,2,3-Trichloropropane

Concen: 38.137 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055180.D

Acq: 22 Apr 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

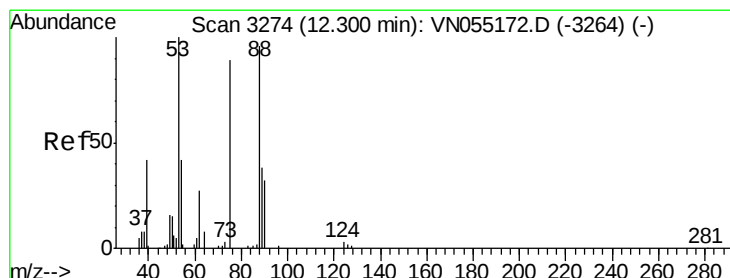
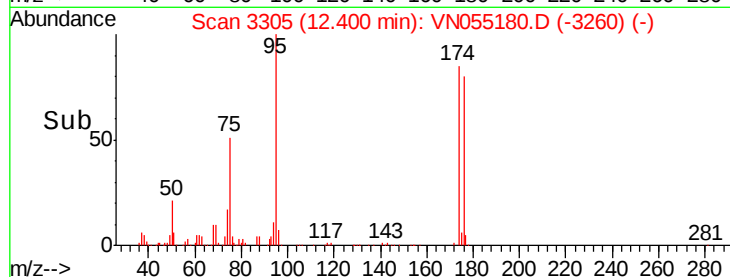
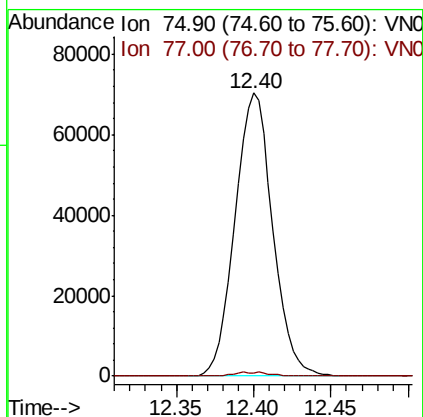
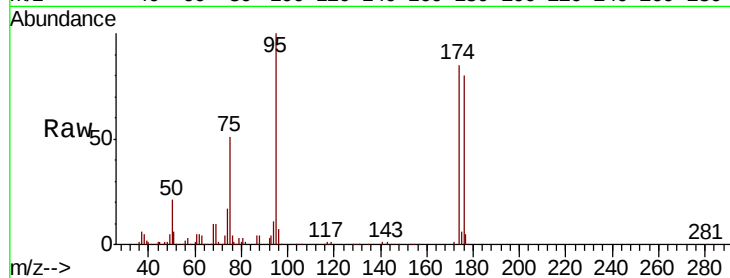
VN0422WBL01

Tot Ion: 75 Resp: 118892

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 144.570 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055180.D

Acq: 22 Apr 2019 14:46

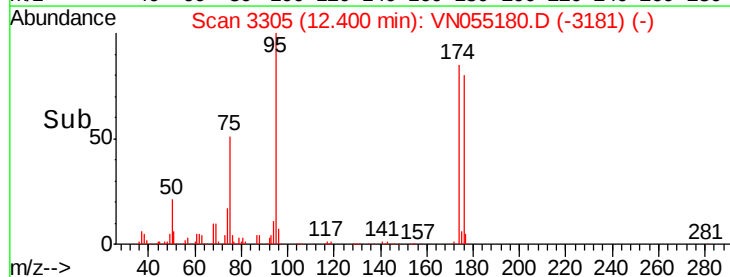
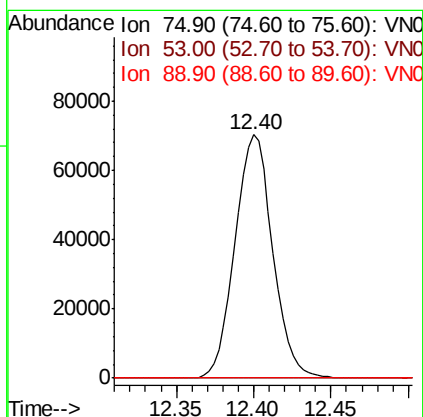
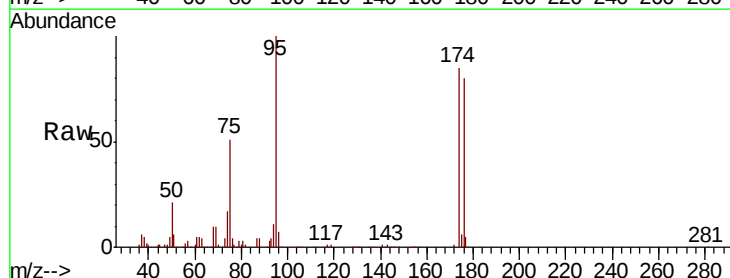
Tgt Ion: 75 Resp: 118892

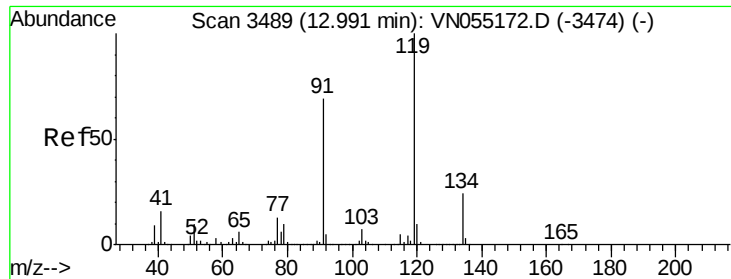
Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

89 0.0 36.7 55.1#

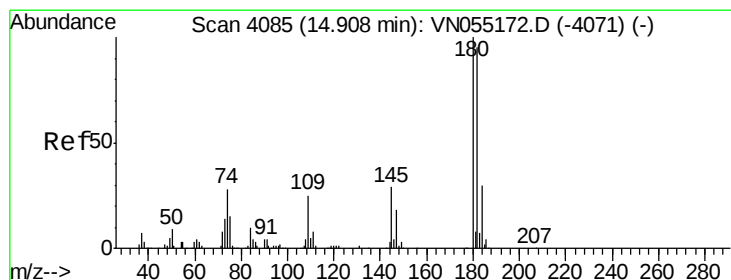
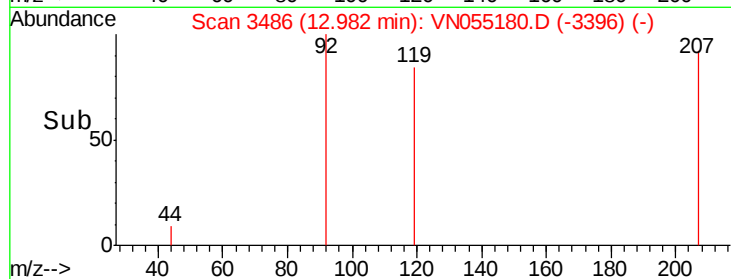
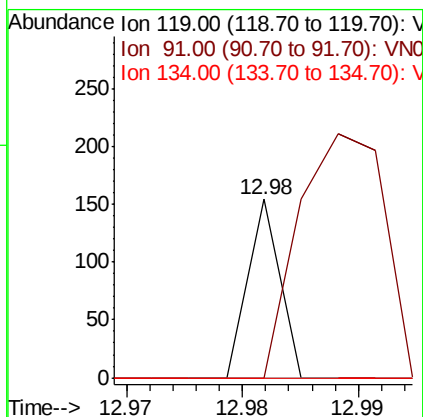
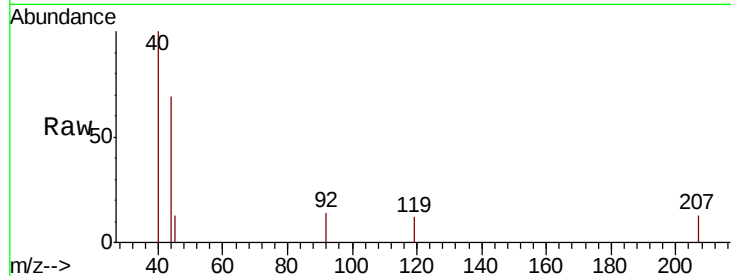




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.98 min Scan# 3486
 Delta R.T. -0.01 min
 Lab File: VN055180.D
 Acq: 22 Apr 2019 14:46

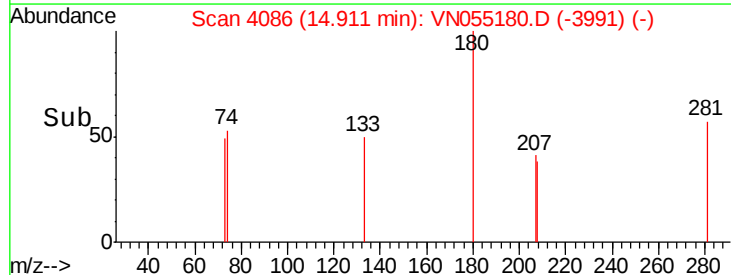
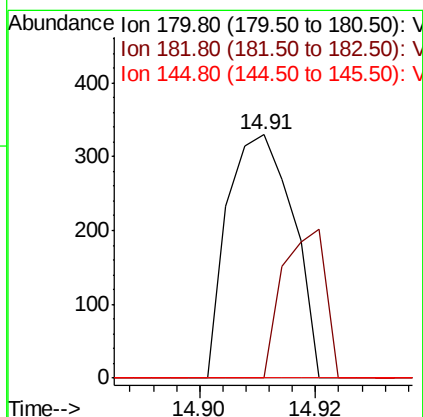
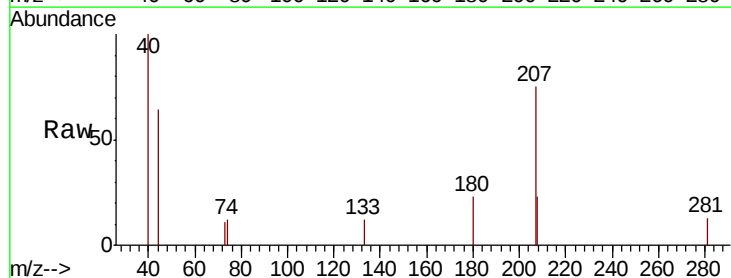
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBL01

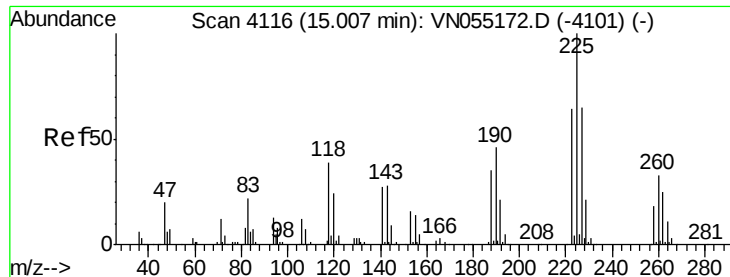
Tot Ion:119 Resp: 30
 Ion Ratio Lower Upper
 119 100
 91 360.0 33.8 101.3#
 134 0.0 13.2 39.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.845 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN055180.D
 Acq: 22 Apr 2019 14:46

Tgt Ion:180 Resp: 257
 Ion Ratio Lower Upper
 180 100
 182 40.5 47.8 143.4#
 145 0.0 14.5 43.5#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055180.D

Acq: 22 Apr 2019 14:46

Instrument :

MSVOA_N

ClientSampled :

VN0422WBL01

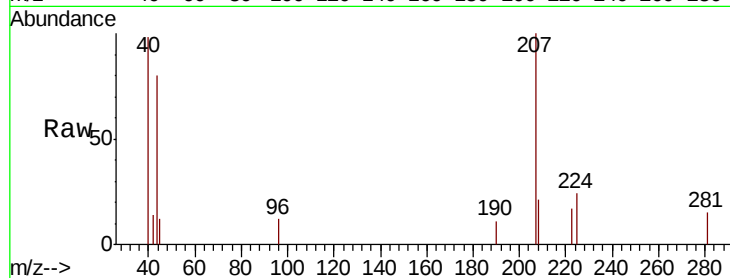
Tot Ion:225 Resp: 352

Ion Ratio Lower Upper

225 100

223 55.4 32.2 96.6

227 0.0 32.6 98.0#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

15.01

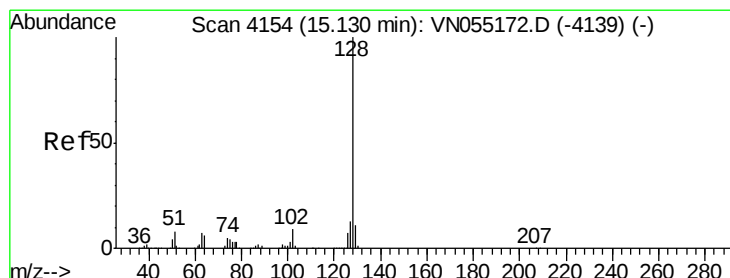
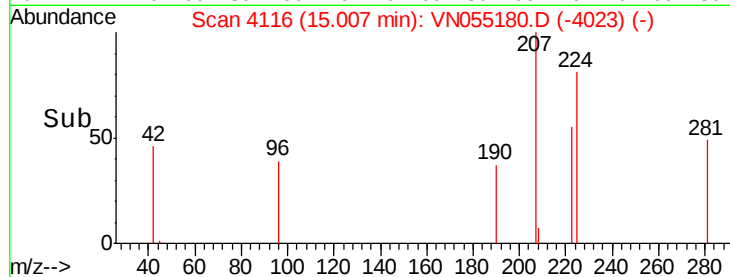
300

200

100

0

Time-->



#95

Naphthalene

Concen: 3.619 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055180.D

Acq: 22 Apr 2019 14:46

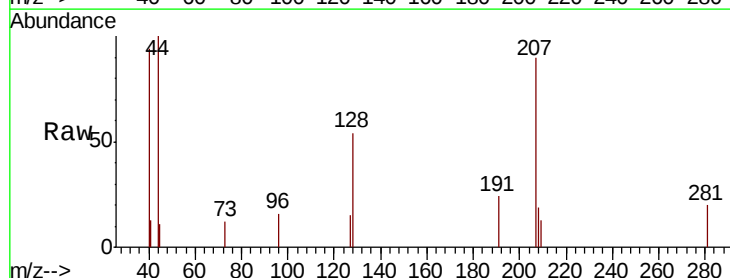
Tgt Ion:128 Resp: 1209

Ion Ratio Lower Upper

128 100

127 18.1 10.3 15.5#

129 0.0 8.8 13.2#



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

15.13

1000

800

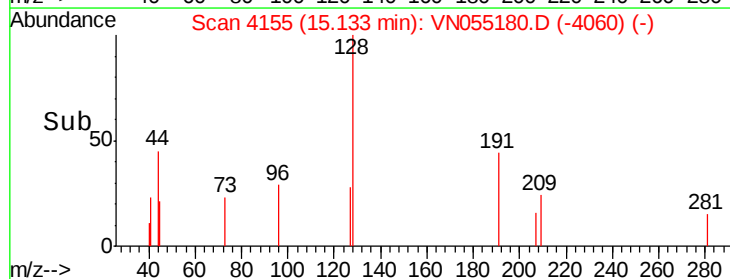
600

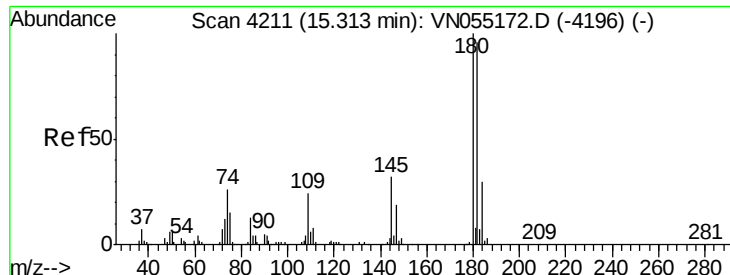
400

200

0

Time-->

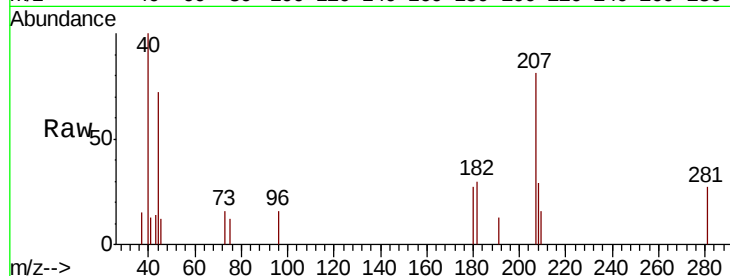




#96
 1,2,3-Trichlorobenzene
 Concen: 2.336 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN055180.D
 Acq: 22 Apr 2019 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0422WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.2	47.2	141.6
145	0.0	15.4	46.1



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

