

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042719\
 Data File : VN055267.D
 Acq On : 26 Apr 2019 11:27
 Operator : JC/SP
 Sample : VN0427WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427WBL01

Quant Time: Apr 27 01:57:40 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	379609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	655879	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	590735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	149040	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	264229	51.43	ug/l	0.00
Spiked Amount			Recovery	=	102.86%	
35) Dibromofluoromethane	7.59	113	212384	47.67	ug/l	0.00
Spiked Amount			Recovery	=	95.34%	
50) Toluene-d8	10.09	98	810431	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
62) 4-Bromofluorobenzene	12.40	95	231141	44.21	ug/l	0.00
Spiked Amount			Recovery	=	88.42%	

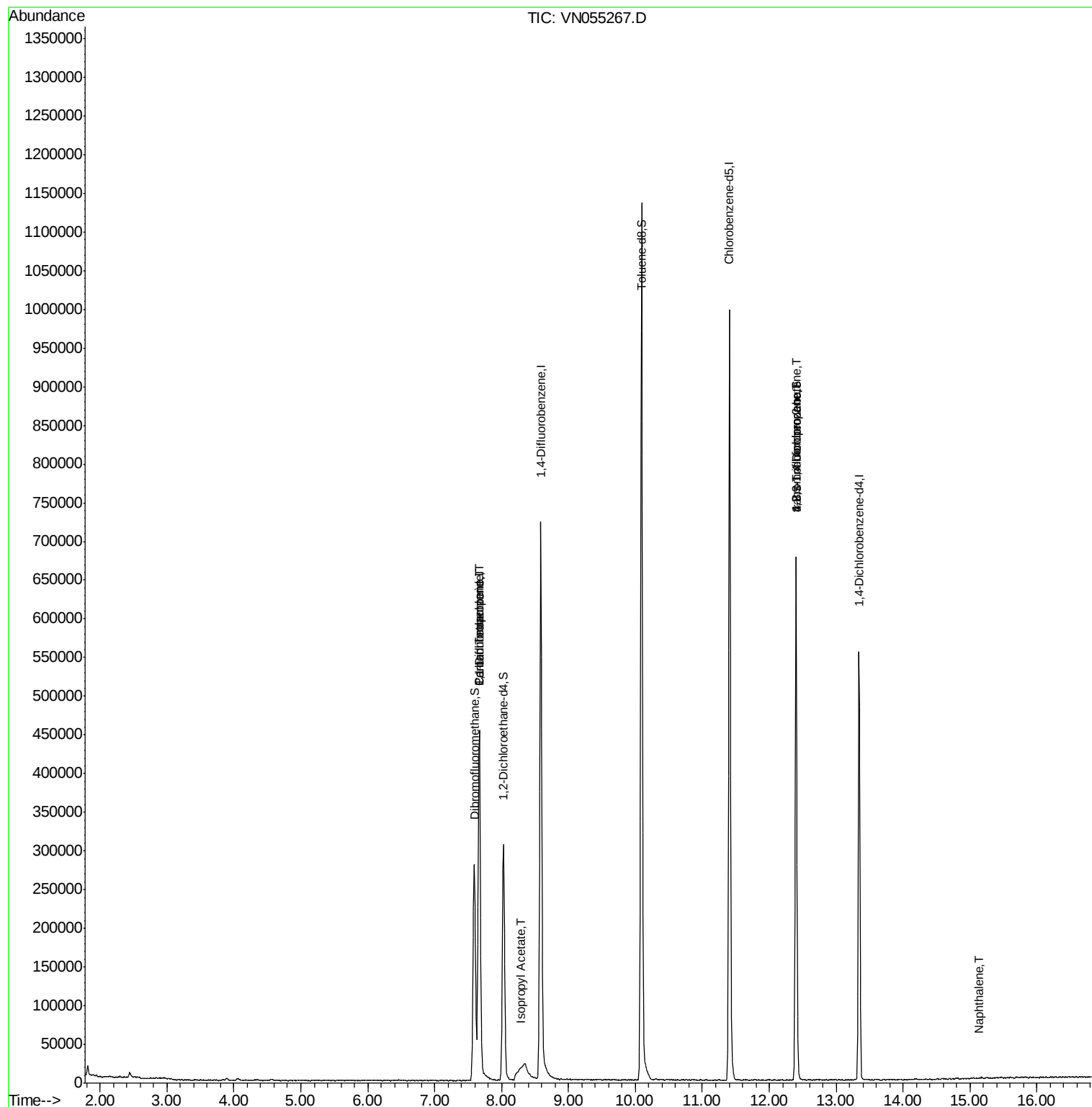
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Methyl Acetate	4.34	43	2497	Below Cal	#	61
31) Cyclohexane	7.66	56	8318	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	29867	4.906	ug/l #	49
38) Carbon Tetrachloride	7.67	117	36364	6.379	ug/l #	17
43) Isopropyl Acetate	8.28	43	21674	2.724	ug/l #	57
73) Isopropylbenzene	12.26	105	192	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.40	83	71	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	121991	40.346	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	121991	152.945	ug/l #	5
83) tert-Butylbenzene	12.99	119	201	Below Cal	#	25
95) Naphthalene	15.13	128	313	3.451	ug/l #	69

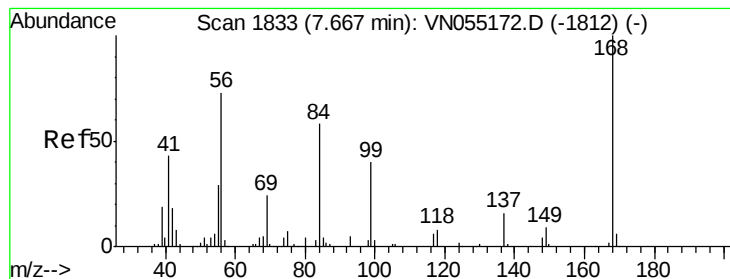
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN042719\
Data File : VN055267.D
Acq On : 26 Apr 2019 11:27
Operator : JC/SP
Sample : VN0427WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0427WBL01

Quant Time: Apr 27 01:57:40 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: VN055267.D

Acq: 26 Apr 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

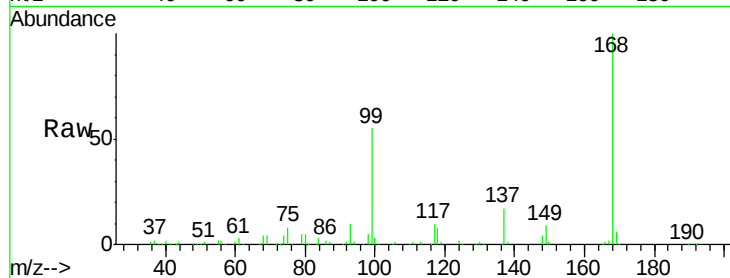
VN0427WBL01

Tot Ion:168 Resp: 379609

Ion Ratio Lower Upper

168 100

99 54.9 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VN055172.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055172.D (-1812) (-)

7.67

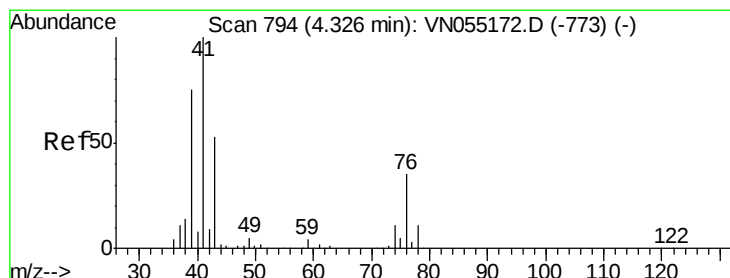
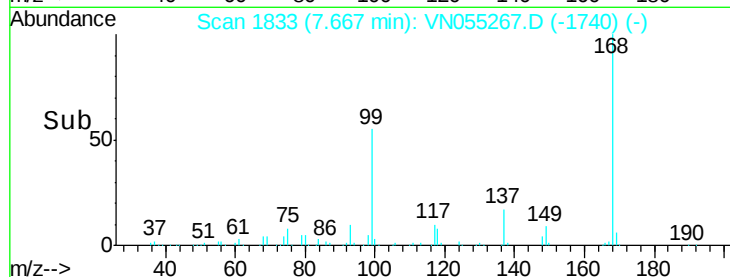
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN055267.D

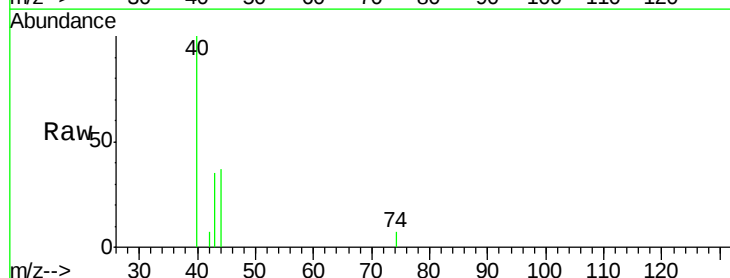
Acq: 26 Apr 2019 11:27

Tgt Ion: 43 Resp: 2497

Ion Ratio Lower Upper

43 100

74 2.5 16.7 25.1#



Abundance Ion 43.00 (42.70 to 43.70): VN055172.D (-773) (-)

Ion 74.00 (73.70 to 74.70): VN055172.D (-773) (-)

4.34

1000

800

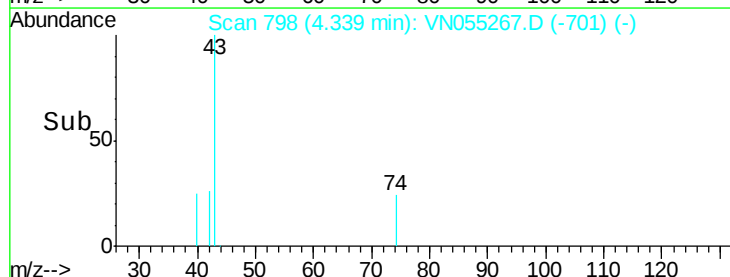
600

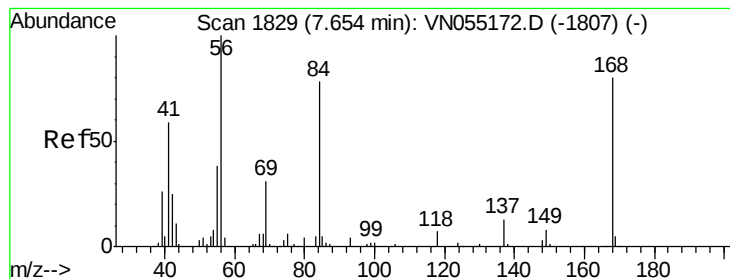
400

200

0

Time-->





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN055267.D

Acq: 26 Apr 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBL01

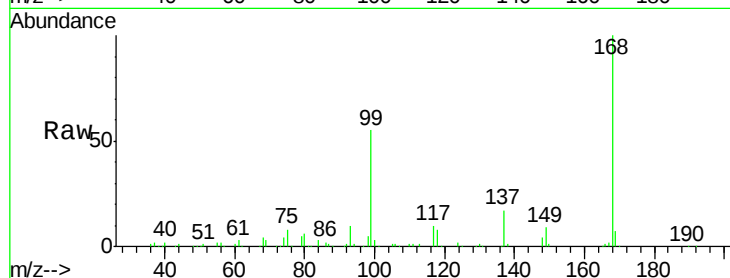
Tot Ion: 56 Resp: 8318

Ion Ratio Lower Upper

56 100

69 158.2 24.6 37.0#

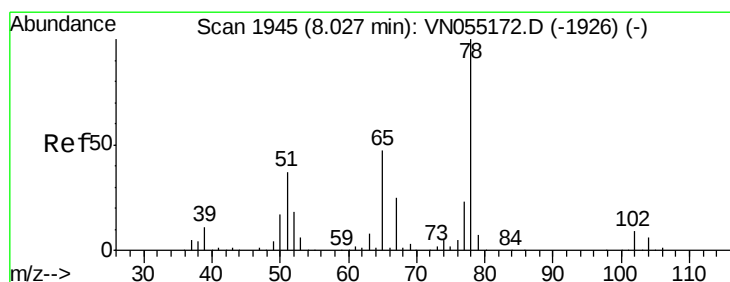
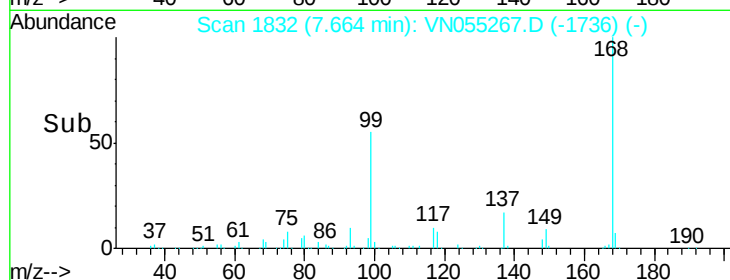
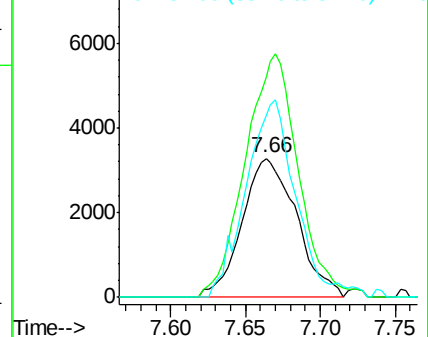
84 131.2 61.4 92.2#



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: 51.425 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055267.D

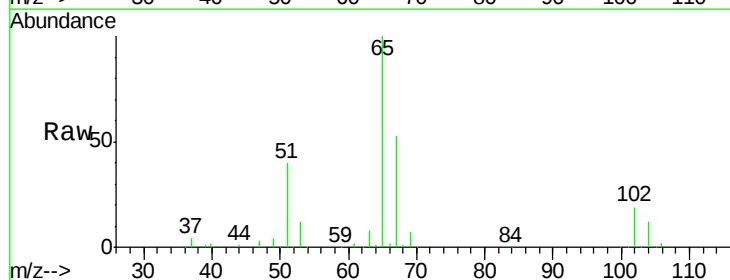
Acq: 26 Apr 2019 11:27

Tgt Ion: 65 Resp: 264229

Ion Ratio Lower Upper

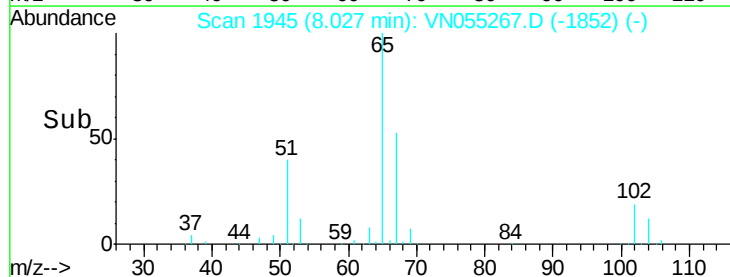
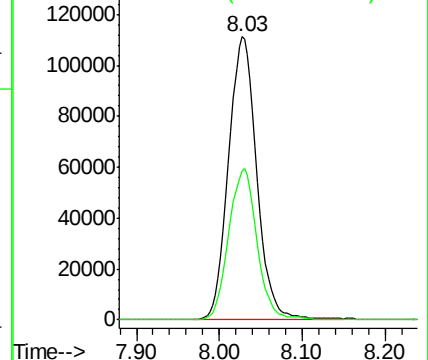
65 100

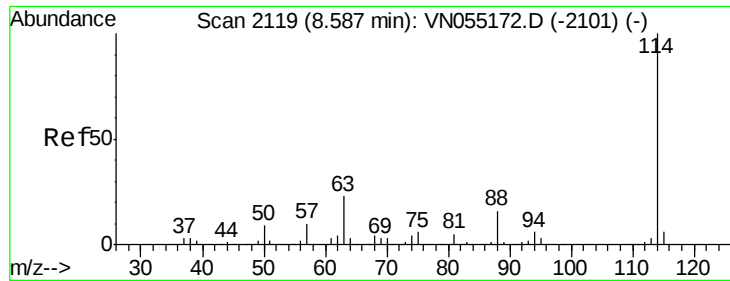
67 53.5 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

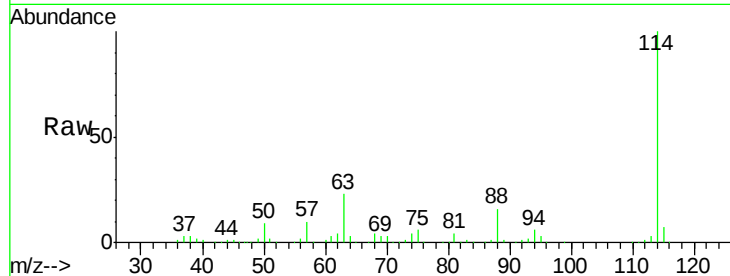




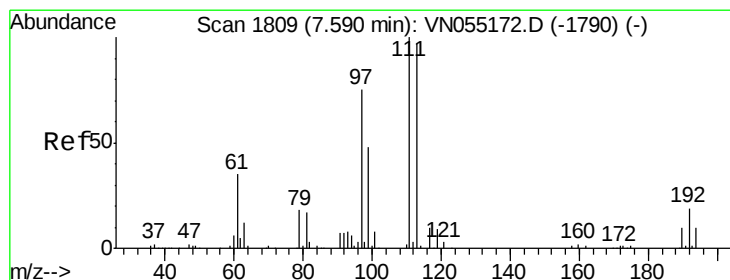
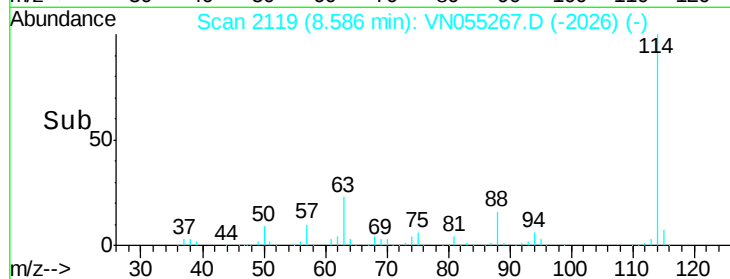
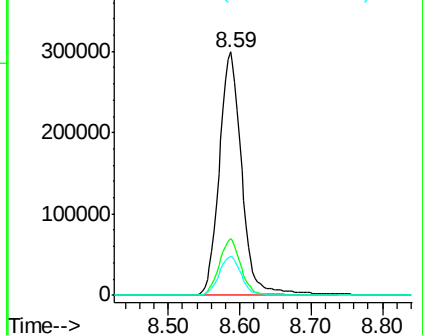
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055267.D
 Acq: 26 Apr 2019 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427WBL01

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	45.2
88	16.2	0.0	32.8

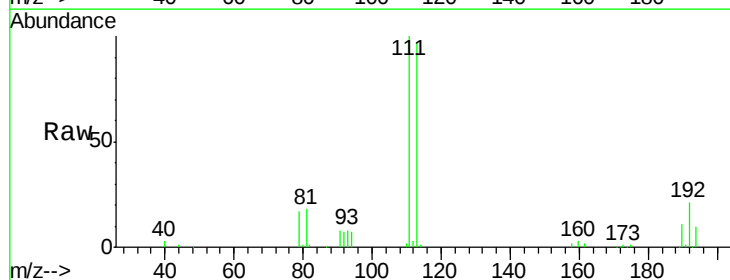


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

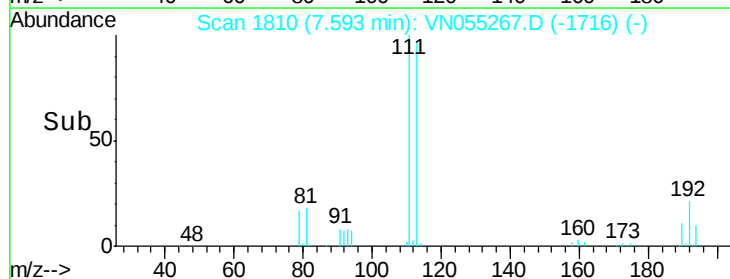
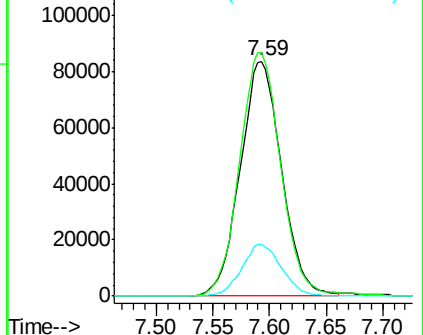


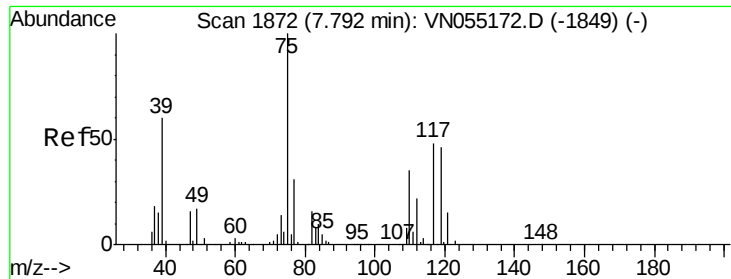
#35
 Dibromofluoromethane
 Concen: 47.666 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055267.D
 Acq: 26 Apr 2019 11:27

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.0	121.4
192	21.3	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

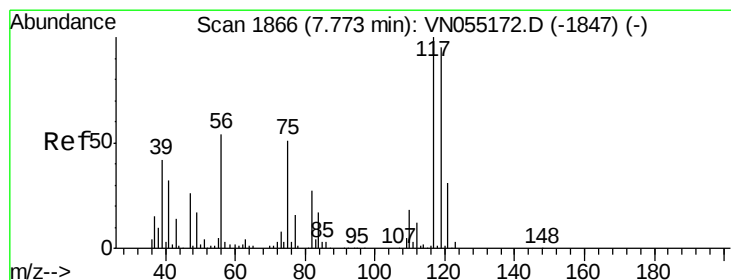
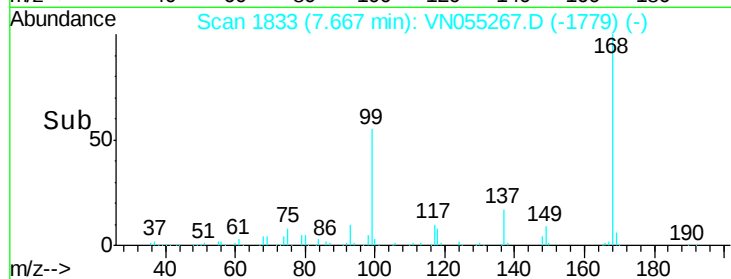
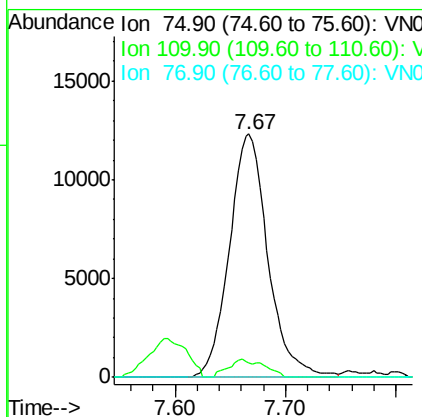
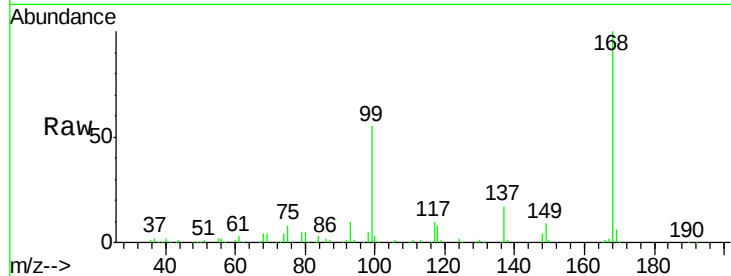




#36
 1,1-Dichloropropene
 Concen: 4.906 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN055267.D
 Acq: 26 Apr 2019 11:27

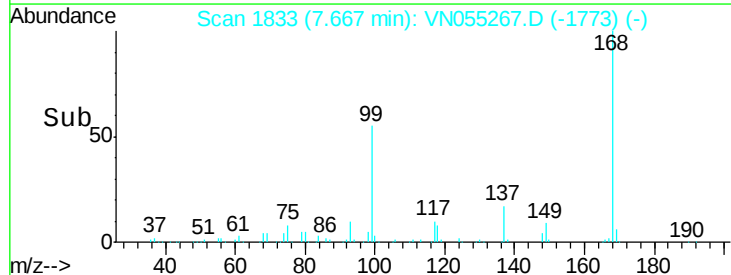
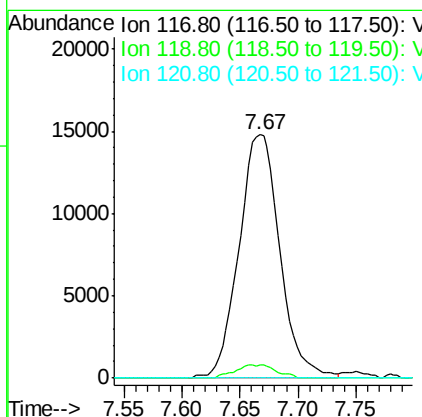
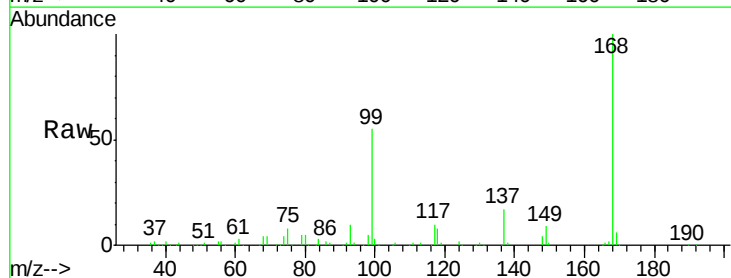
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427WBL01

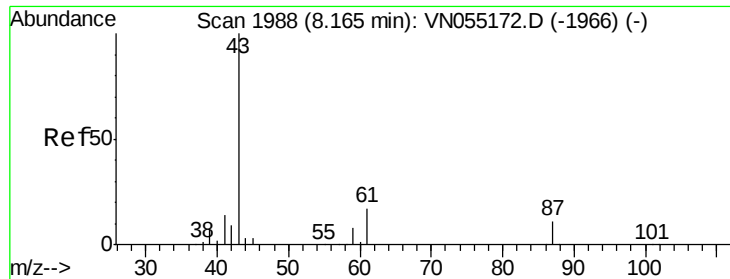
Tot Ion	75	Resp	29867
Ion Ratio	Lower	Upper	
75	100		
110	6.9	17.1	51.2#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.379 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN055267.D
 Acq: 26 Apr 2019 11:27

Tgt Ion	117	Resp	36364
Ion Ratio	Lower	Upper	
117	100		
119	5.3	76.0	114.0#
121	0.0	24.6	36.8#





#43

Isopropyl Acetate

Concen: 2.724 ug/l

RT: 8.28 min Scan# 2023

Delta R.T. 0.11 min

Lab File: VN055267.D

Acq: 26 Apr 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

VN0427WBL01

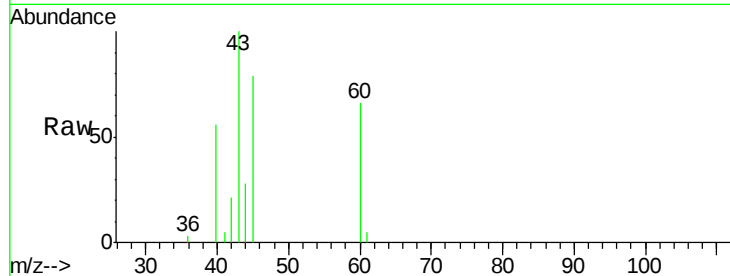
Tot Ion: 43 Resp: 21674

Ion Ratio Lower Upper

43 100

61 1.0 20.6 30.8#

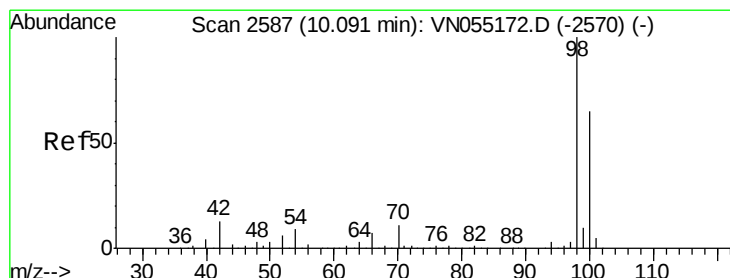
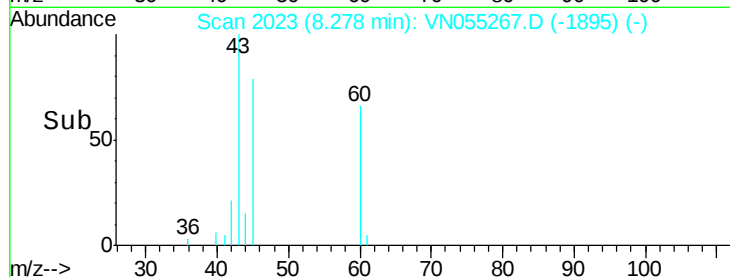
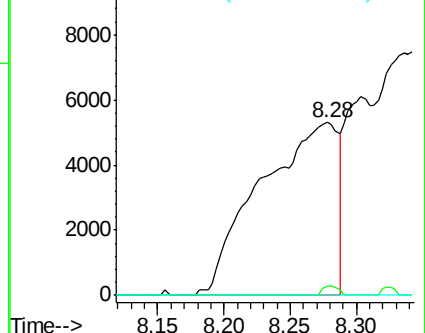
87 0.0 8.8 13.2#



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: 49.090 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055267.D

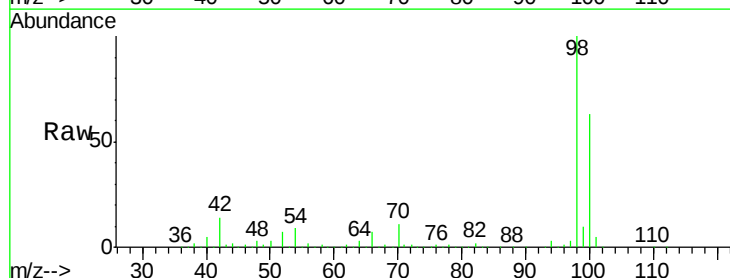
Acq: 26 Apr 2019 11:27

Tgt Ion: 98 Resp: 810431

Ion Ratio Lower Upper

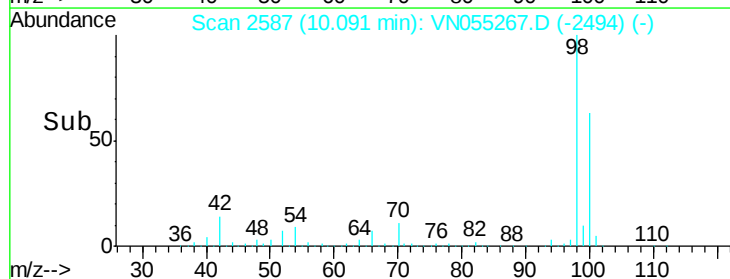
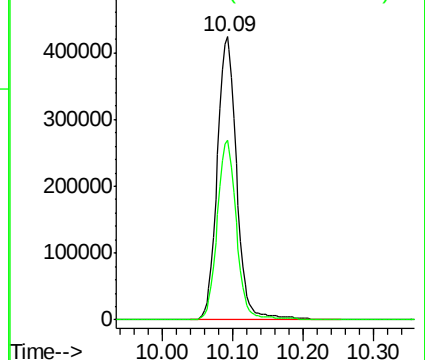
98 100

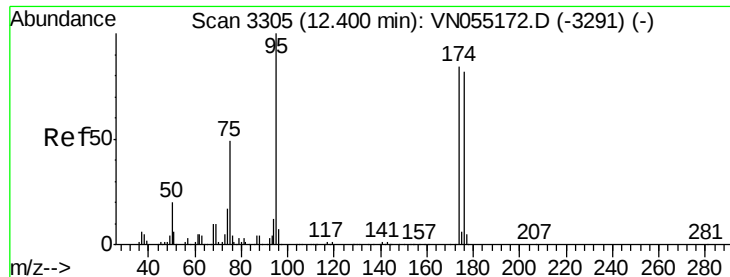
100 62.4 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 44.212 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055267.D

Acq: 26 Apr 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBL01

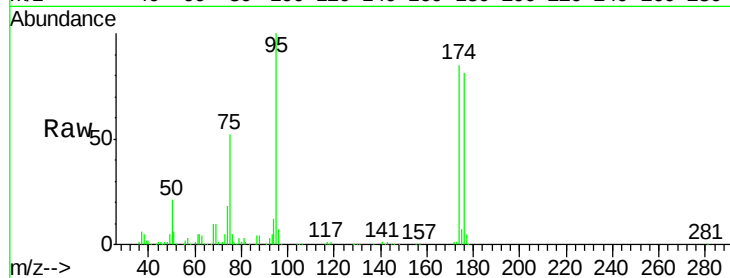
Tot Ion: 95 Resp: 231141

Ion Ratio Lower Upper

95 100

174 86.4 0.0 168.4

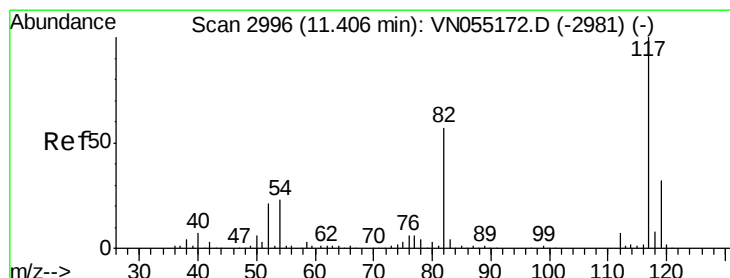
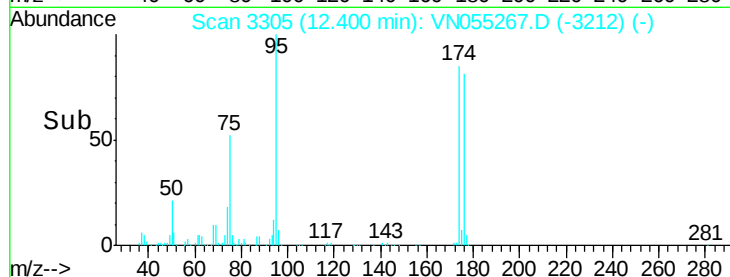
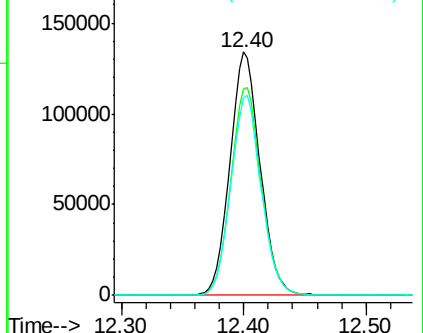
176 82.4 0.0 164.0



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: VN055267.D

Acq: 26 Apr 2019 11:27

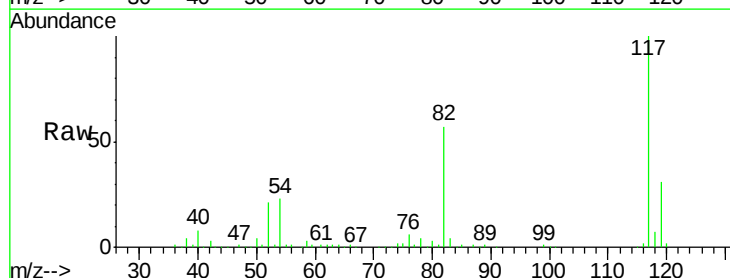
Tgt Ion: 117 Resp: 590735

Ion Ratio Lower Upper

117 100

82 56.7 45.7 68.5

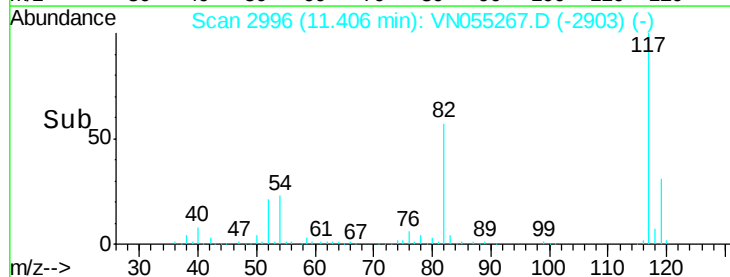
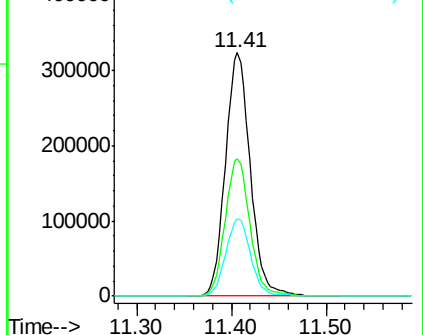
119 31.5 25.4 38.2

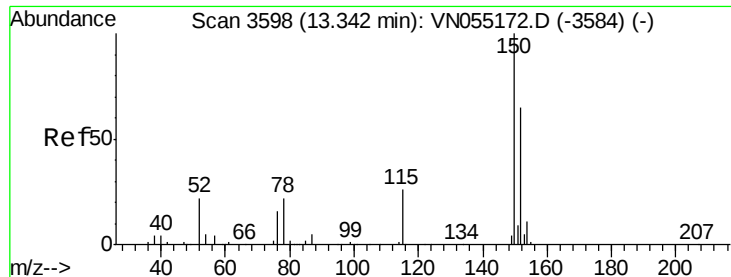


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055267.D

Acq: 26 Apr 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBL01

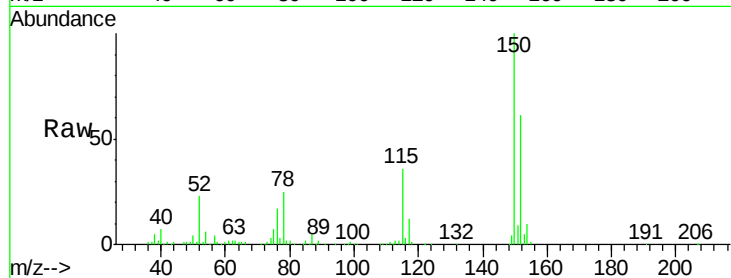
Tot Ion:152 Resp: 149040

Ion Ratio Lower Upper

152 100

115 58.1 28.9 86.7

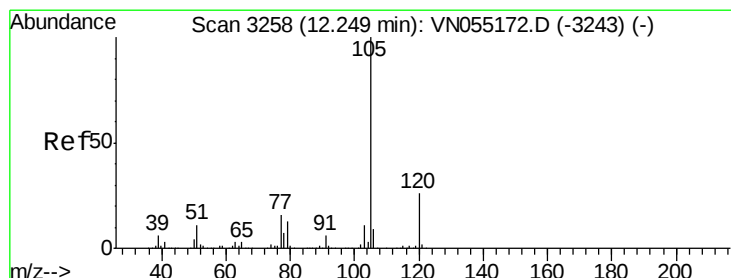
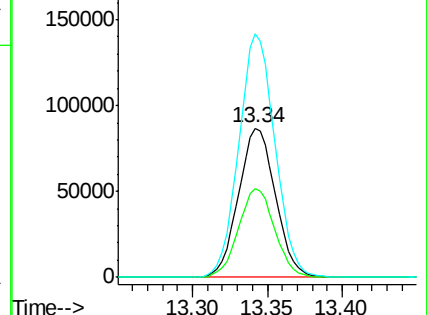
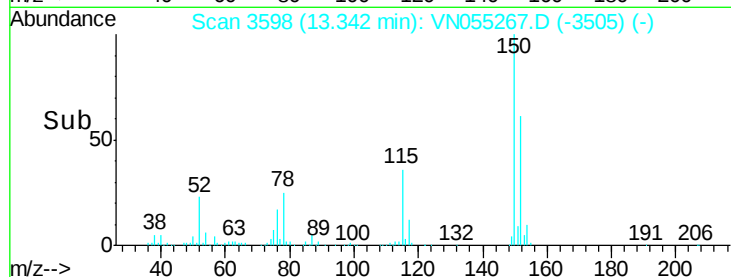
150 160.3 0.0 346.6



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: 12.26 min Scan# 3261

Delta R.T. 0.01 min

Lab File: VN055267.D

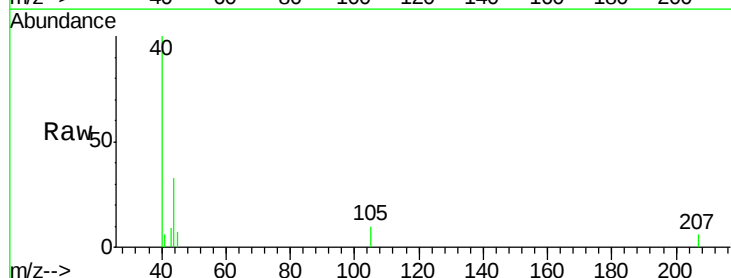
Acq: 26 Apr 2019 11:27

Tgt Ion:105 Resp: 192

Ion Ratio Lower Upper

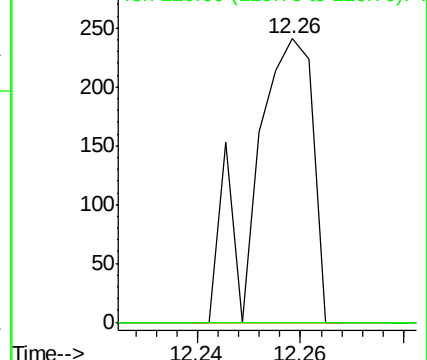
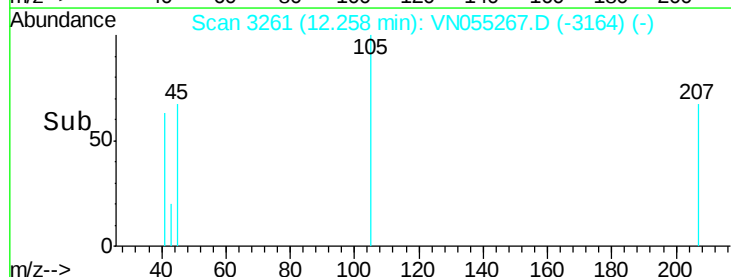
105 100

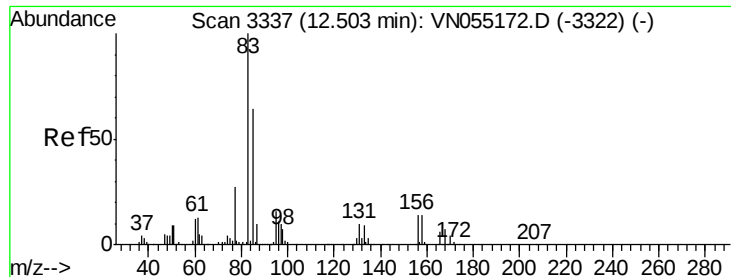
120 0.0 13.1 39.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3304

Delta R.T. -0.11 min

Lab File: VN055267.D

Acq: 26 Apr 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBL01

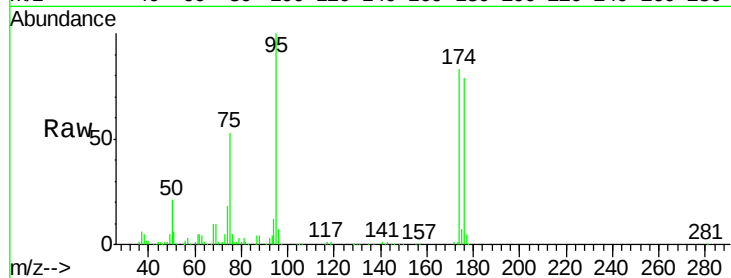
Tot Ion: 83 Resp: 71

Ion Ratio Lower Upper

83 100

131 346.5 5.0 15.0#

85 0.0 32.1 96.3#



Abundance Ion 82.90 (82.60 to 83.60): VN0

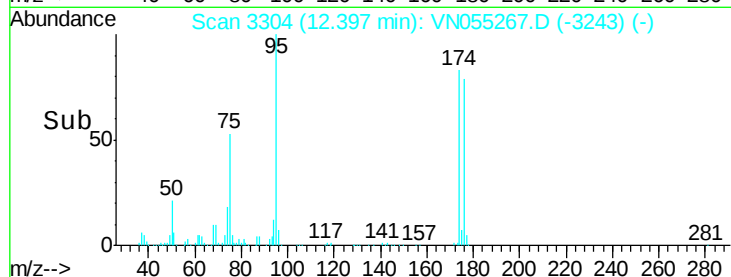
Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

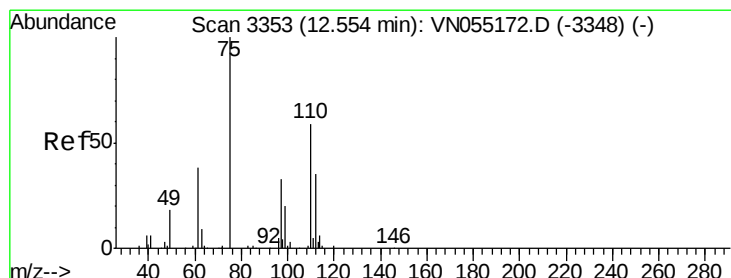
12.40

12.39

12.41



Time-->



#76

1,2,3-Trichloropropane

Concen: 40.346 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055267.D

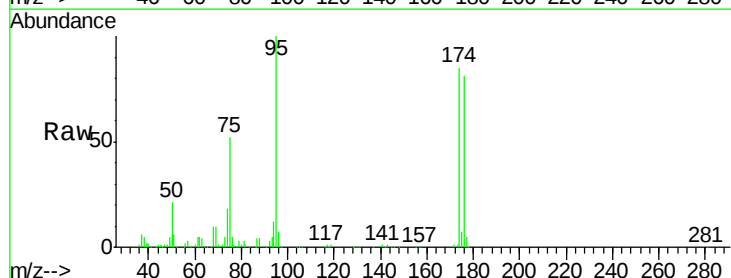
Acq: 26 Apr 2019 11:27

Tgt Ion: 75 Resp: 121991

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



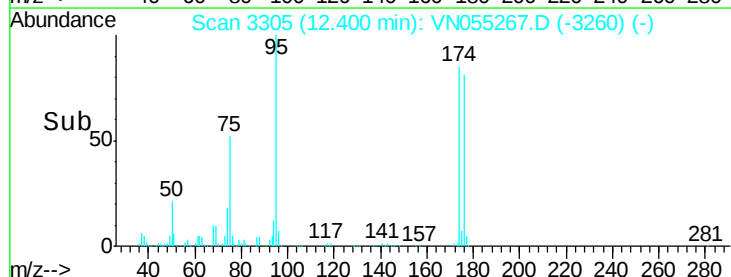
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

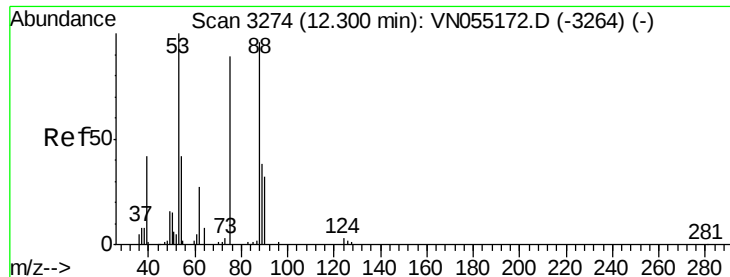
12.40

12.35

12.45



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 152.945 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055267.D

Acq: 26 Apr 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

VN0427WBL01

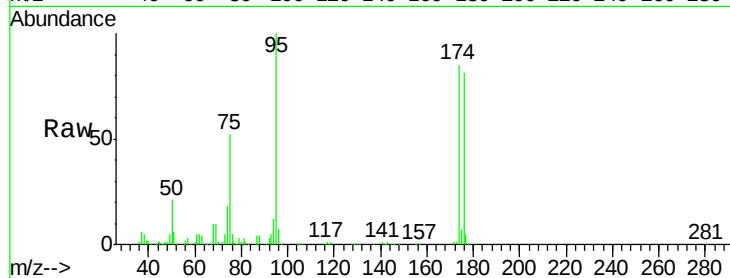
Tot Ion: 75 Resp: 121991

Ion Ratio Lower Upper

75 100

53 0.1 90.1 135.1#

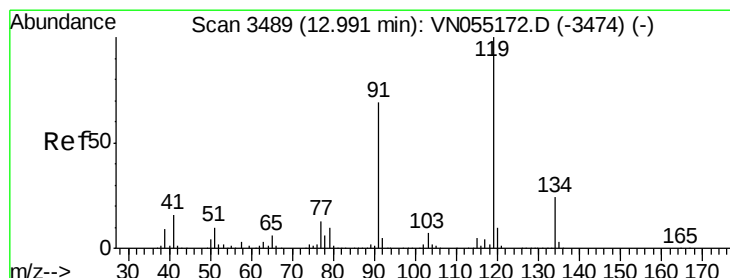
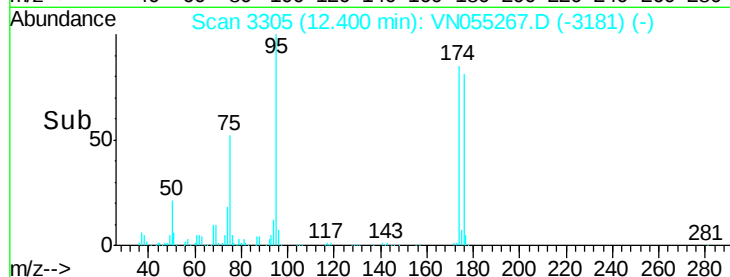
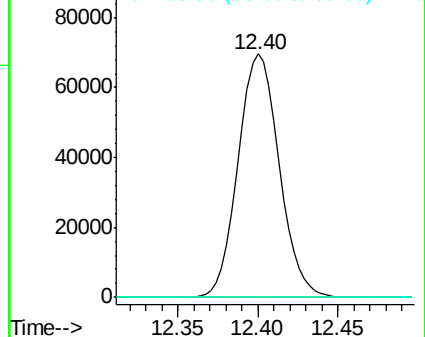
89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055267.D

Acq: 26 Apr 2019 11:27

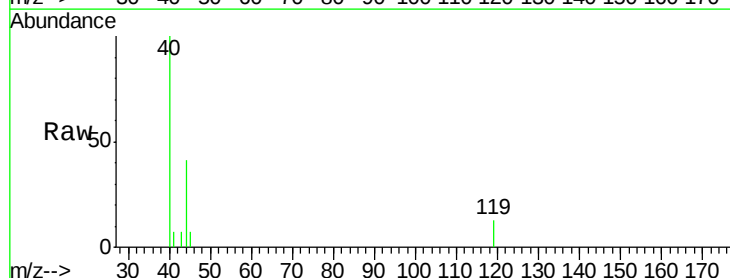
Tgt Ion: 119 Resp: 201

Ion Ratio Lower Upper

119 100

91 0.0 33.8 101.3#

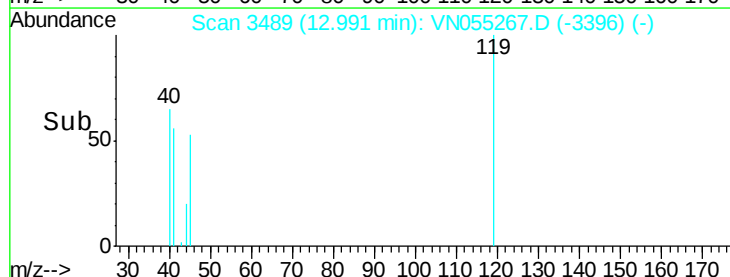
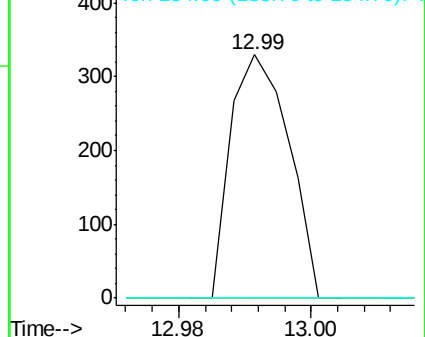
134 0.0 13.2 39.5#

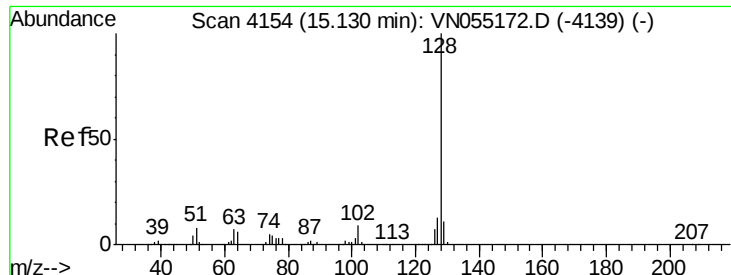


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V





#95

Naphthalene

Concen: 3.451 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055267.D

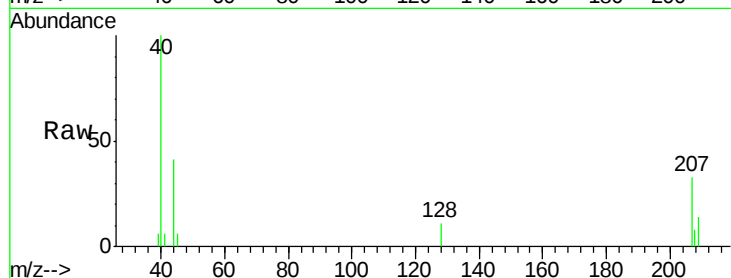
Acq: 26 Apr 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VN0427WBL01



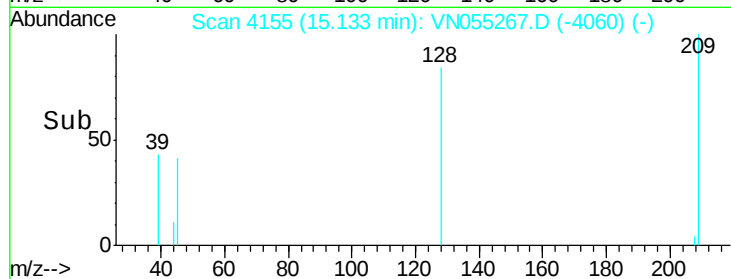
Tot Ion:128 Resp: 313

Ion Ratio Lower Upper

128 100

127 0.0 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

