

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050119\
 Data File : VN055327.D
 Acq On : 1 May 2019 14:18
 Operator : JC/SP
 Sample : K2630-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: May 02 01:51:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	356954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	613933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	555361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140936	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	246579	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	
35) Dibromofluoromethane	7.59	113	200381	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
50) Toluene-d8	10.09	98	762370	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
62) 4-Bromofluorobenzene	12.40	95	226684	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	

Target Compounds

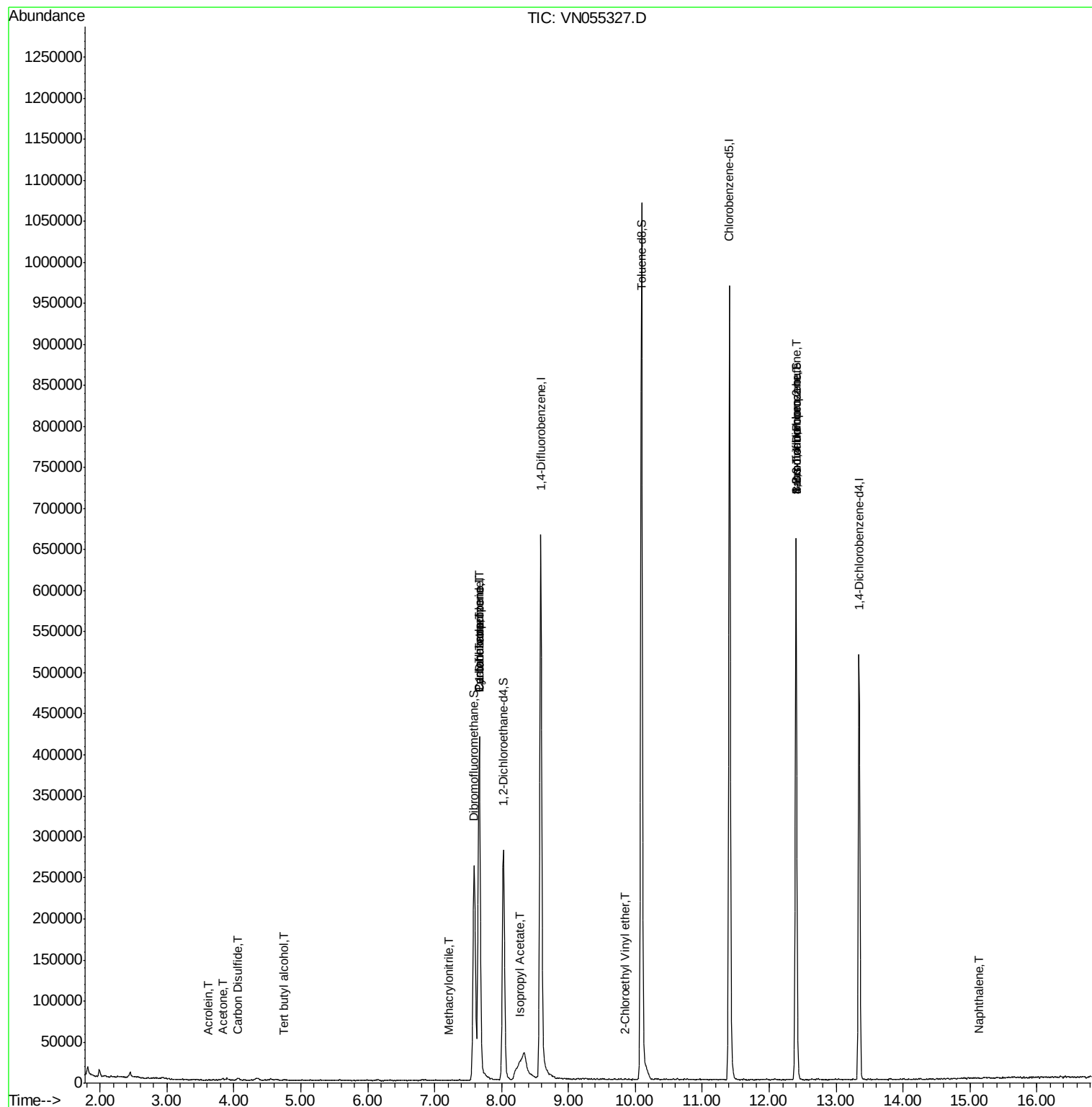
						Qvalue
11) Tert butyl alcohol	4.75	59	194	0.726	ug/l #	73
13) Acrolein	3.63	56	74	0.354	ug/l #	14
16) Acetone	3.82	43	2635	1.811	ug/l #	83
17) Carbon Disulfide	4.06	76	2405	0.261	ug/l #	74
31) Cyclohexane	7.66	56	7593	1.034	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	27323	4.646	ug/l #	44
38) Carbon Tetrachloride	7.67	117	34264	6.040	ug/l #	16
41) Methacrylonitrile	7.22	41	66	0.767	ug/l #	1
43) Isopropyl Acetate	8.27	43	30197	4.169	ug/l #	57
58) 2-Chloroethyl Vinyl ether	9.84	63	31	12.426	ug/l #	52
71) Bromoform	12.40	173	2112	0.895	ug/l #	1
73) Isopropylbenzene	12.25	105	32	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.42	83	63	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	116028	43.989	ug/l #	100
79) 2-Chlorotoluene	12.67	91	187	Below Cal	#	42
81) trans-1,4-Dichloro-2-buten	12.40	75	116028	156.015	ug/l #	7
95) Naphthalene	15.14	128	186	3.373	ug/l #	69

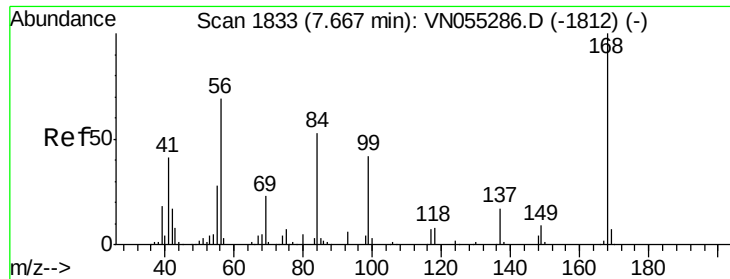
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN055327.D
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Quant Time: May 02 01:51:36 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 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: VN055327.D

Acq: 1 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

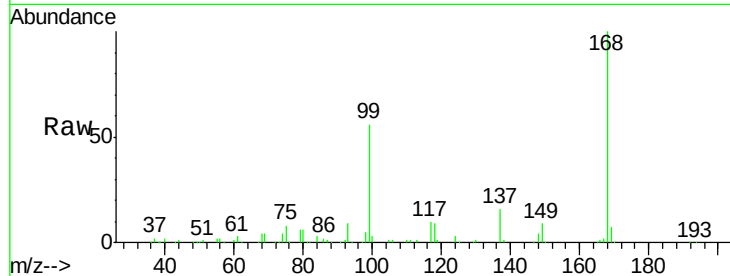
TRIP-BLANK

Tot Ion:168 Resp: 356954

Ion Ratio Lower Upper

168 100

99 55.8 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

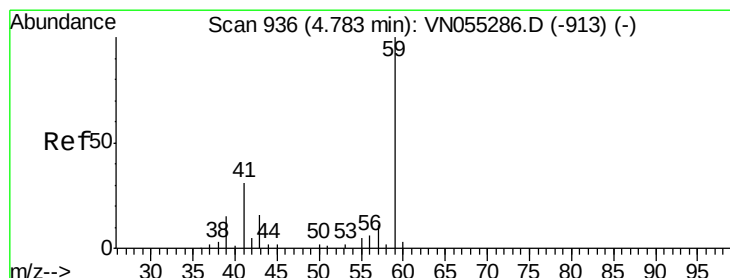
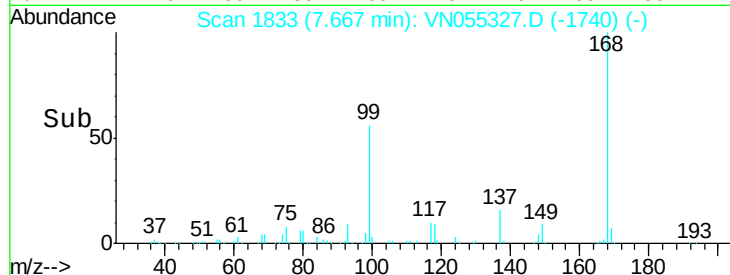
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.726 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.04 min

Lab File: VN055327.D

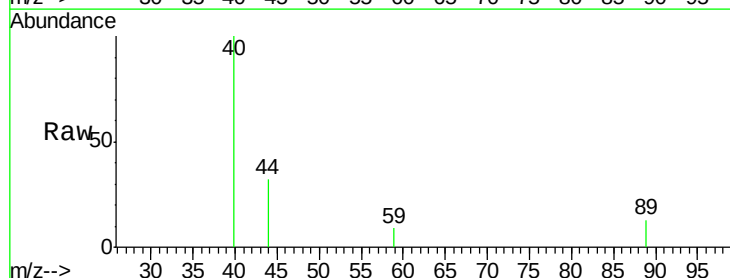
Acq: 1 May 2019 14:18

Tgt Ion: 59 Resp: 194

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.75

250

200

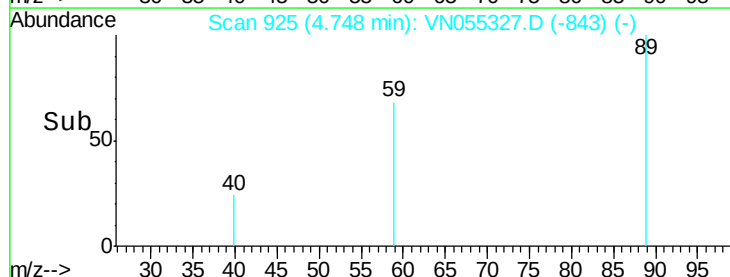
150

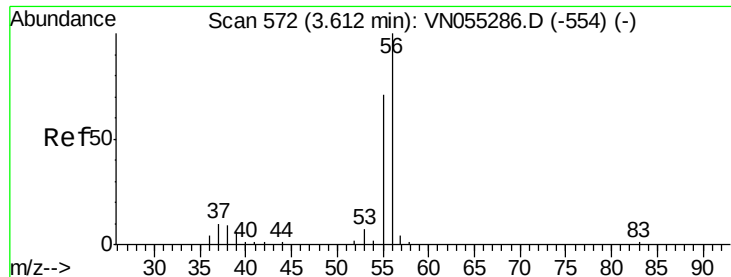
100

50

0

Time-->





#13

Acrolein

Concen: 0.354 ug/l

RT: 3.63 min Scan# 576

Delta R.T. 0.01 min

Lab File: VN055327.D

Acq: 1 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

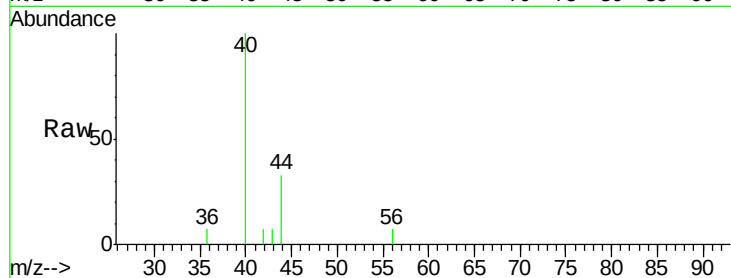
TRIP-BLANK

Tot Ion: 56 Resp: 74

Ion Ratio Lower Upper

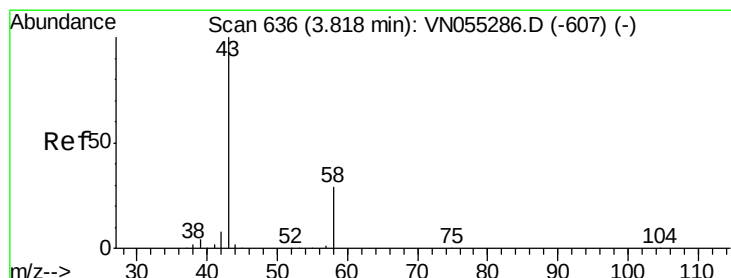
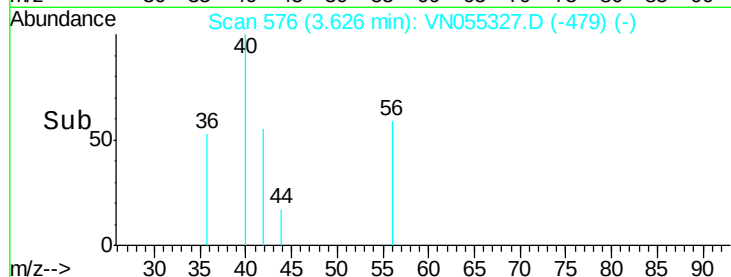
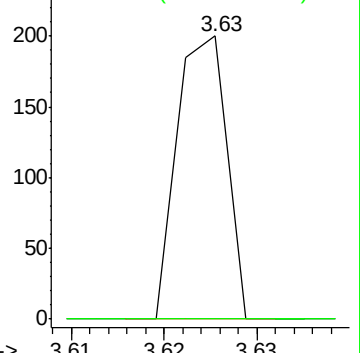
56 100

55 0.0 57.4 86.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 1.811 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055327.D

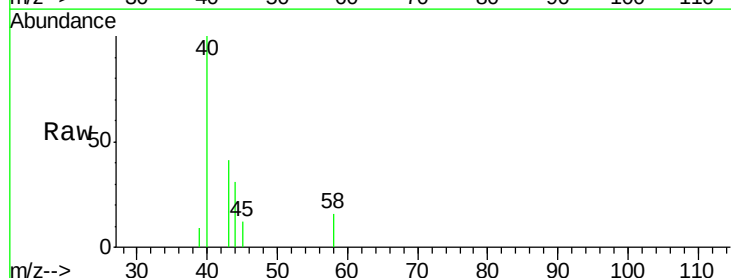
Acq: 1 May 2019 14:18

Tgt Ion: 43 Resp: 2635

Ion Ratio Lower Upper

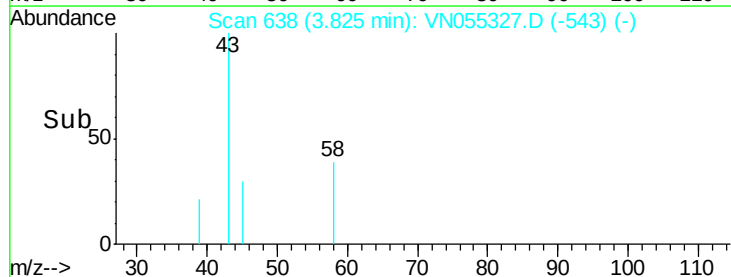
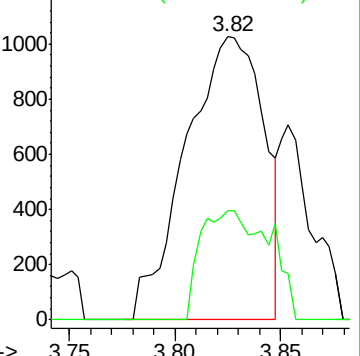
43 100

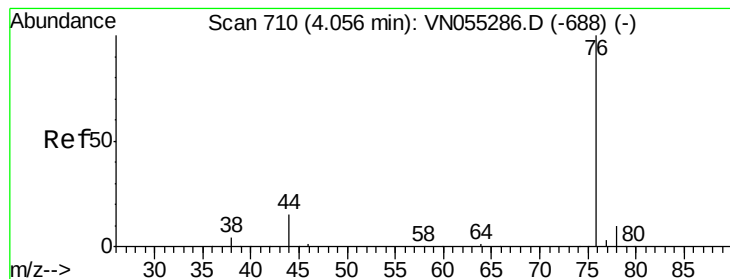
58 38.7 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 0.261 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN055327.D

Acq: 1 May 2019 14:18

Instrument :

MSVOA_N

ClientSampled :

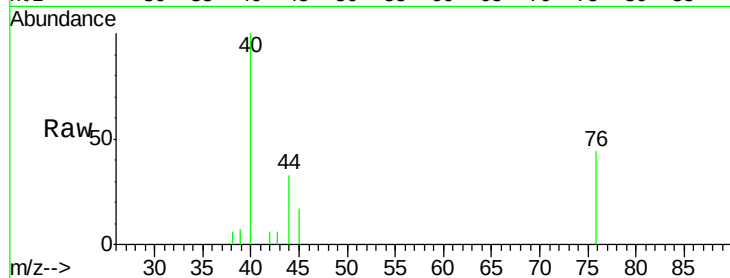
TRIP-BLANK

Tot Ion: 76 Resp: 2405

Ion Ratio Lower Upper

76 100

78 0.0 7.6 11.4#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

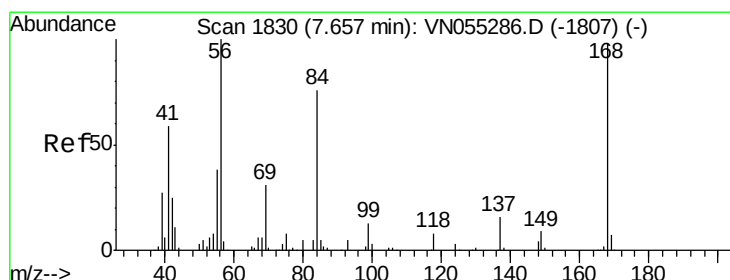
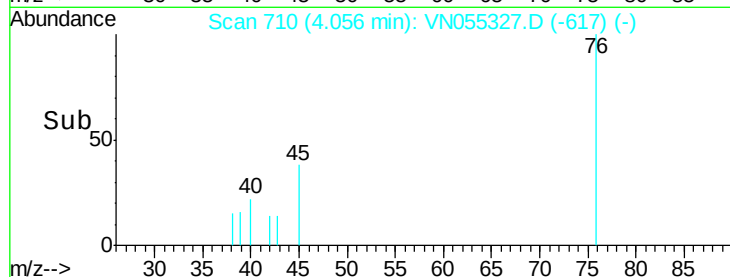
4.06

1000

500

0

Time-->



#31

Cyclohexane

Concen: 1.034 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN055327.D

Acq: 1 May 2019 14:18

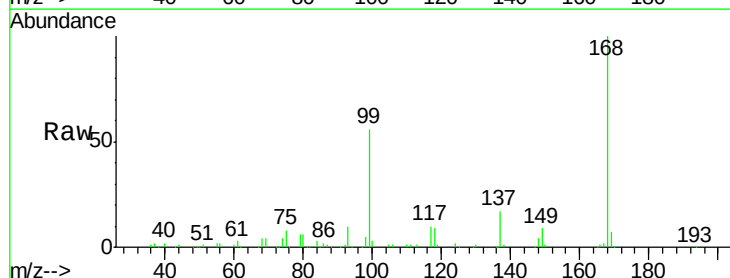
Tgt Ion: 56 Resp: 7593

Ion Ratio Lower Upper

56 100

69 164.2 25.2 37.8#

84 131.4 61.1 91.7#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO

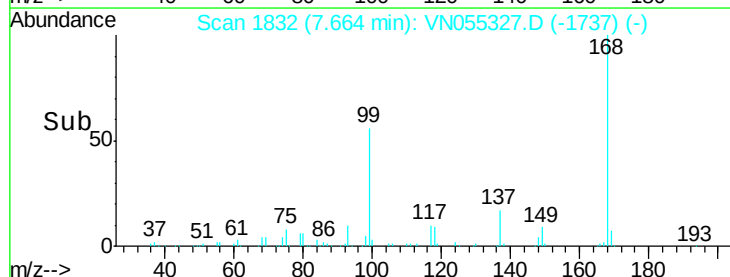
6000

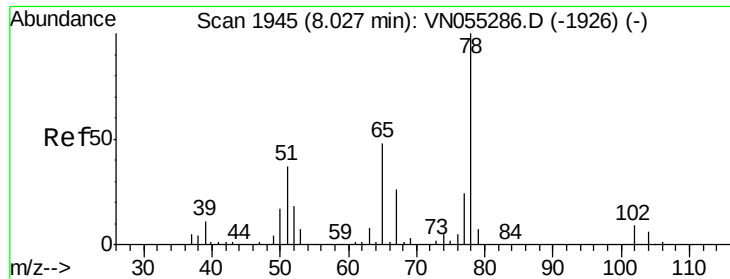
4000

2000

0

Time-->

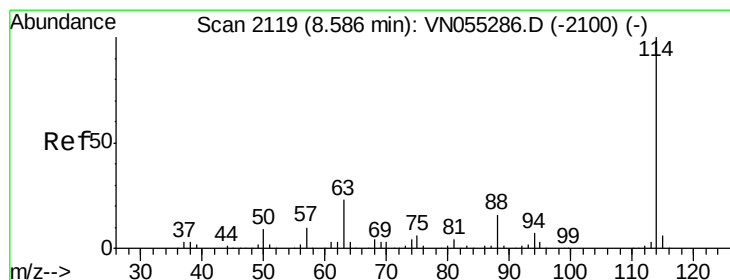
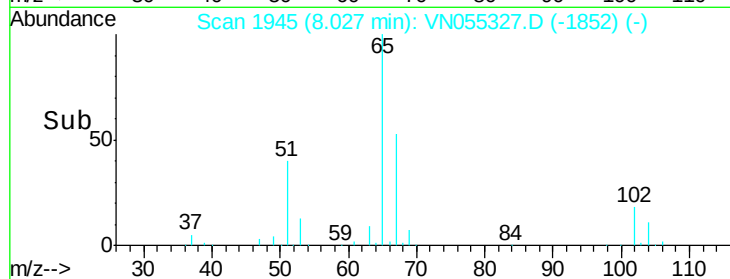
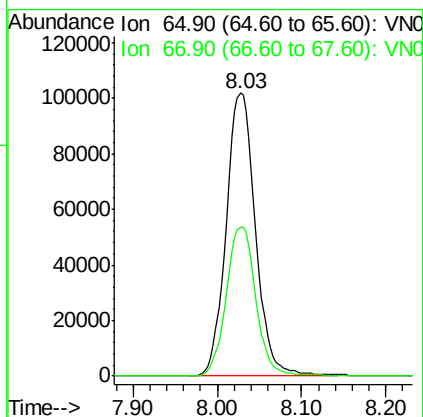
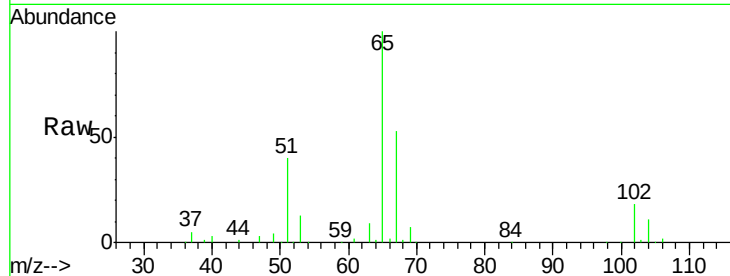




#33
 1,2-Dichloroethane-d4
 Concen: 52.803 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055327.D
 Acq: 1 May 2019 14:18

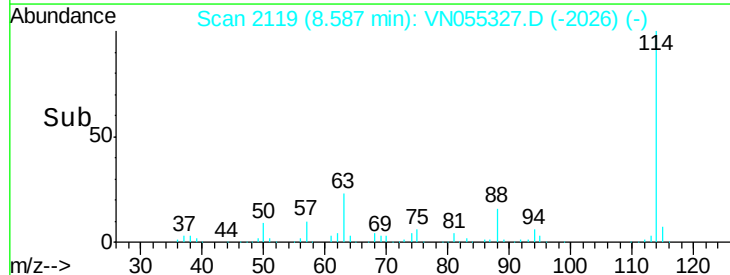
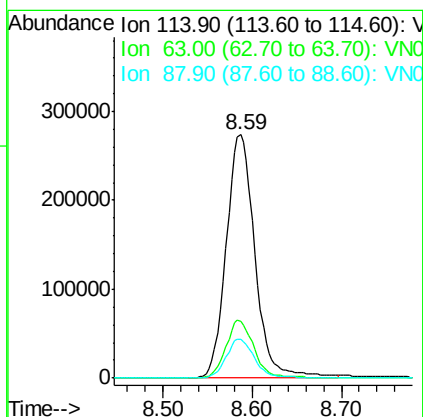
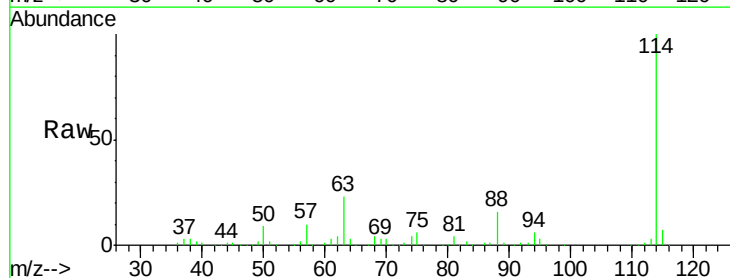
Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

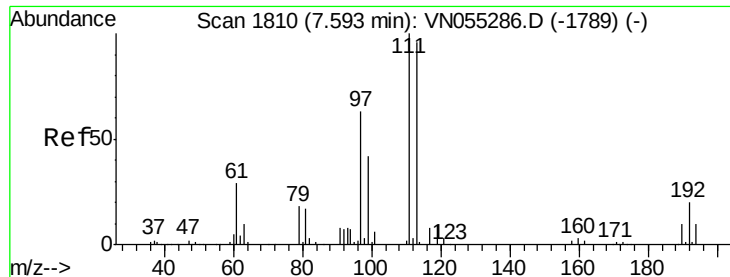
Tot Ion: 65 Resp: 246579
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055327.D
 Acq: 1 May 2019 14:18

Tgt Ion: 114 Resp: 613933
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.2
 88 15.7 0.0 31.6

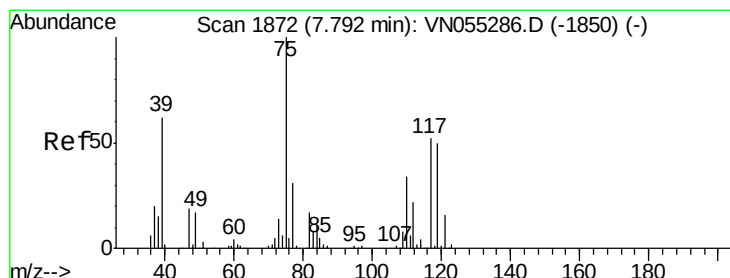
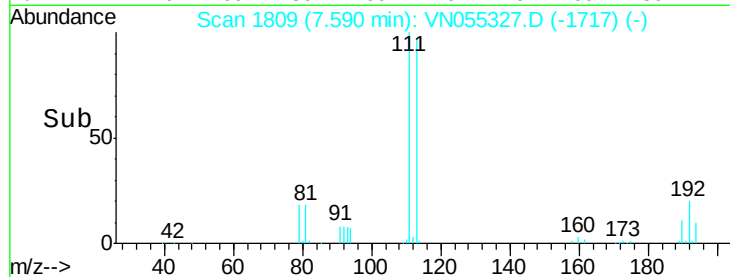
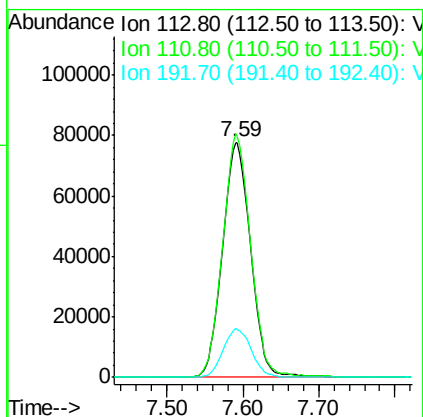
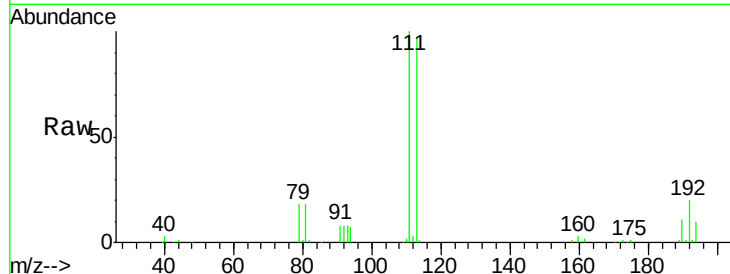




#35
 Dibromofluoromethane
 Concen: 49.727 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055327.D
 Acq: 1 May 2019 14:18

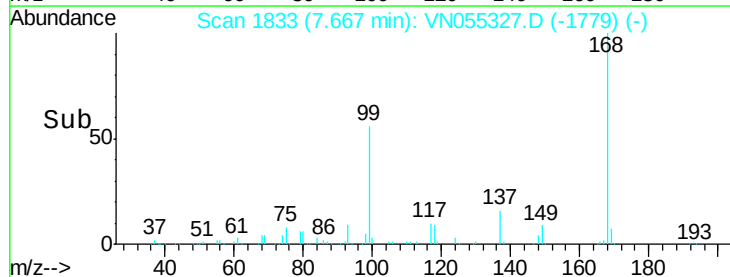
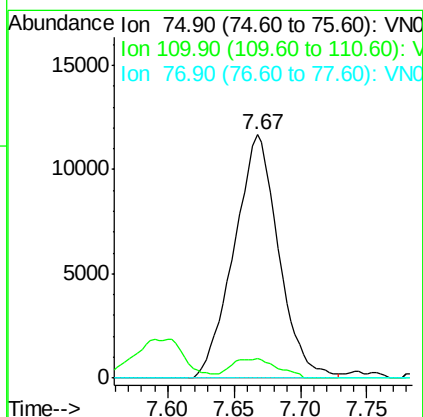
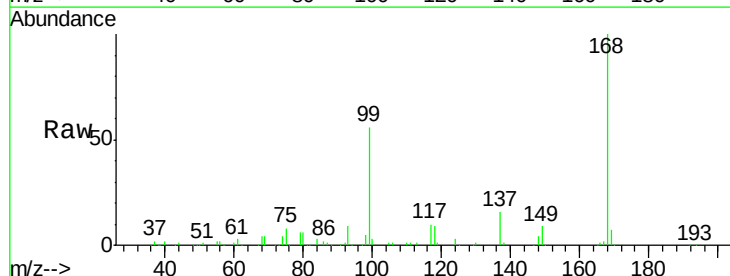
Instrument :
 MSVOA_N
 ClientSampled :
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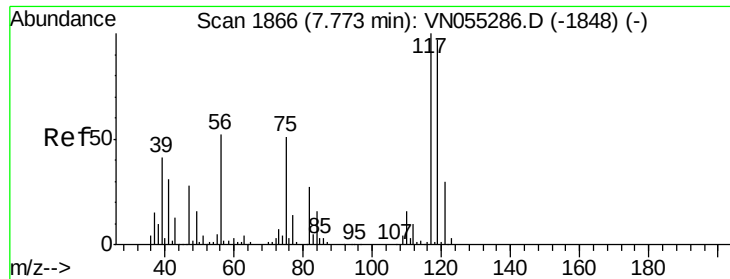
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.3	123.5
192	20.6	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 4.646 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN055327.D
 Acq: 1 May 2019 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	2.5	16.8	50.4#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 6.040 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055327.D

Acq: 1 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

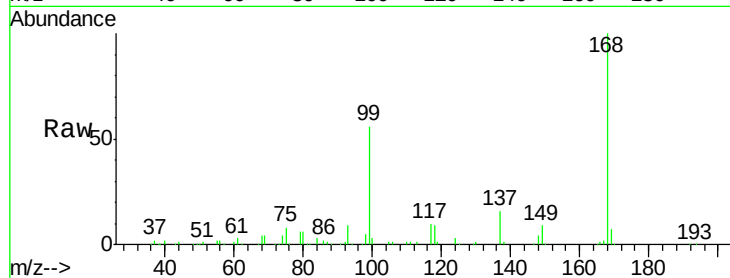
Tot Ion:117 Resp: 34264

Ion Ratio Lower Upper

117 100

119 5.8 77.0 115.6#

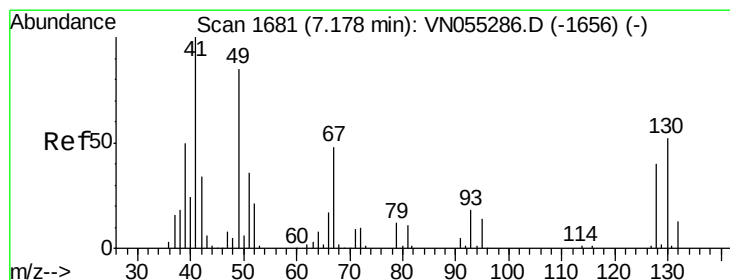
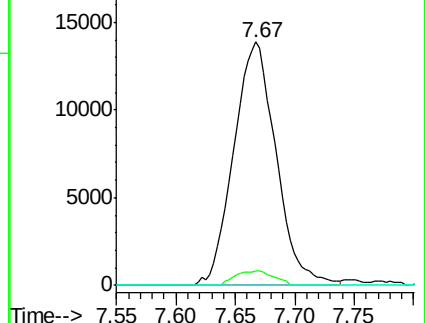
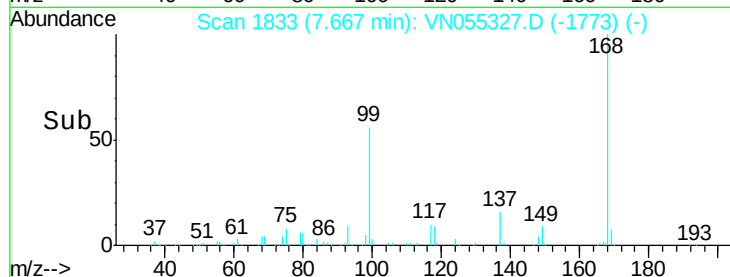
121 0.0 23.8 35.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 0.767 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.04 min

Lab File: VN055327.D

Acq: 1 May 2019 14:18

Tgt Ion: 41 Resp: 66

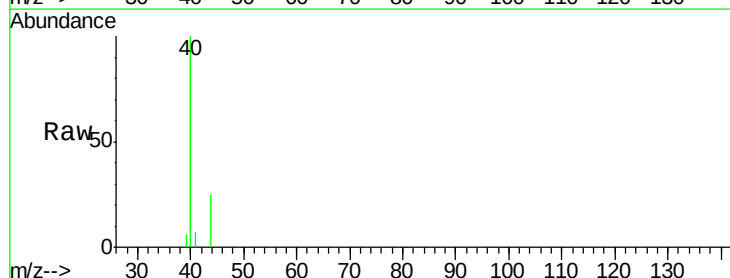
Ion Ratio Lower Upper

41 100

39 242.4 48.5 72.7#

67 0.0 54.9 82.3#

52 0.0 24.9 37.3#

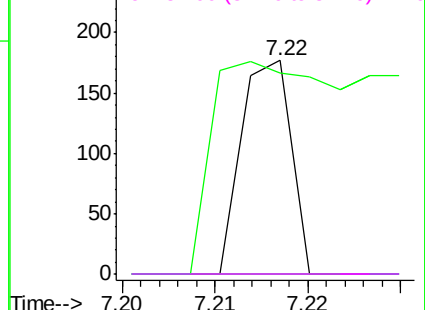
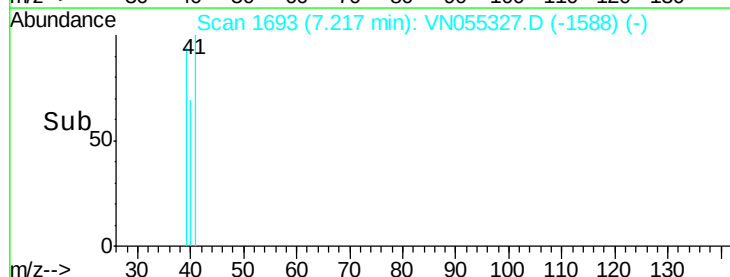


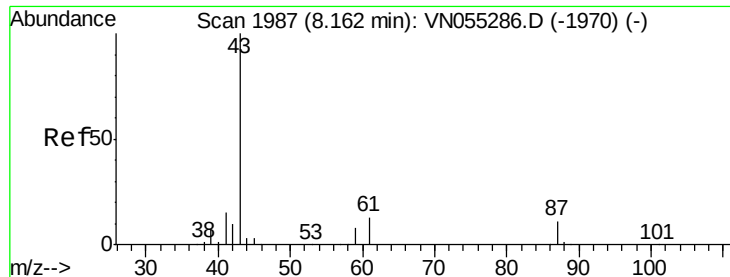
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 4.169 ug/l

RT: 8.27 min Scan# 2020

Delta R.T. 0.11 min

Lab File: VN055327.D

Acq: 1 May 2019 14:18

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

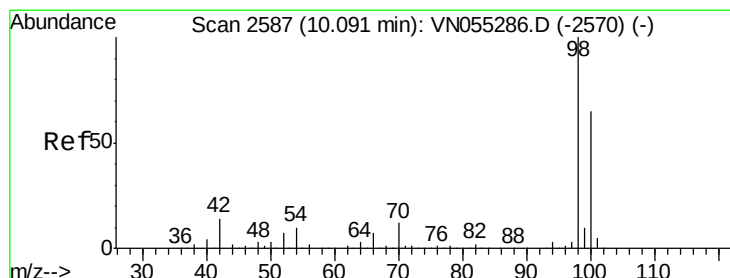
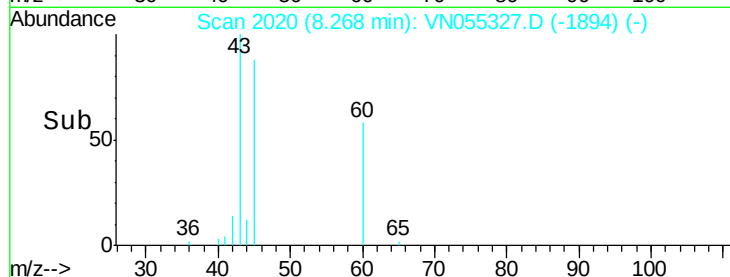
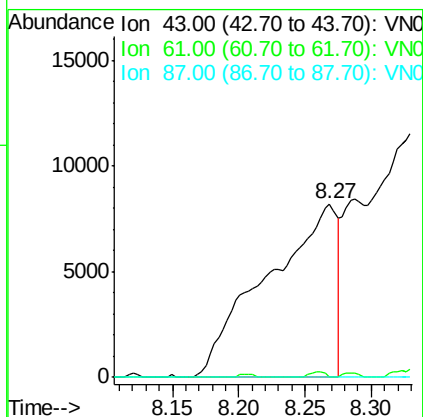
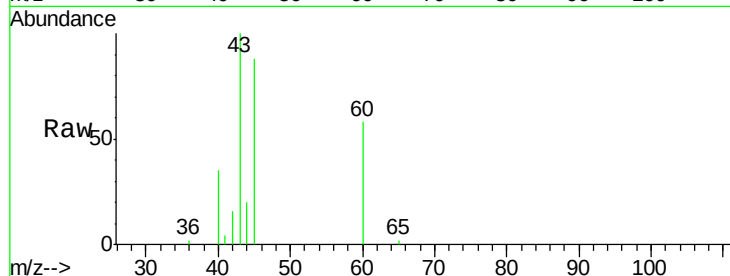
Tot Ion: 43 Resp: 30197

Ion Ratio Lower Upper

43 100

61 0.7 20.8 31.2#

87 0.0 8.5 12.7#



#50

Toluene-d8

Concen: 52.394 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055327.D

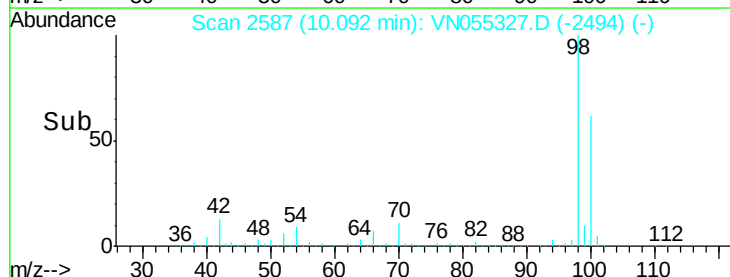
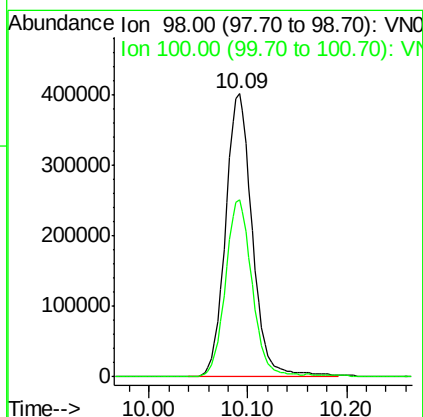
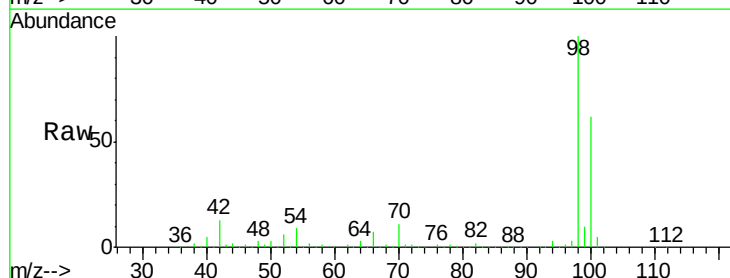
Acq: 1 May 2019 14:18

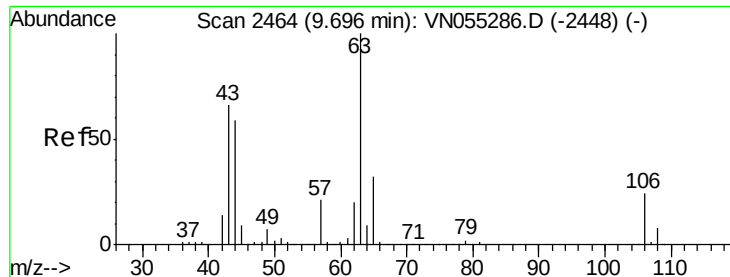
Tgt Ion: 98 Resp: 762370

Ion Ratio Lower Upper

98 100

100 61.9 51.7 77.5

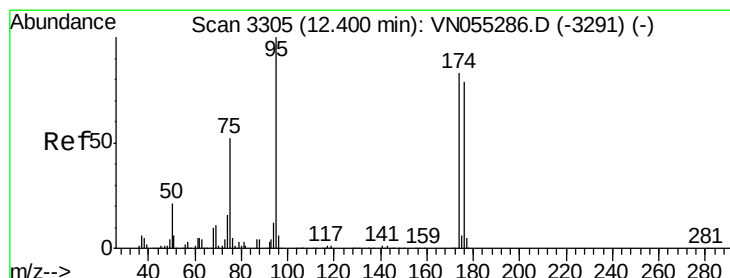
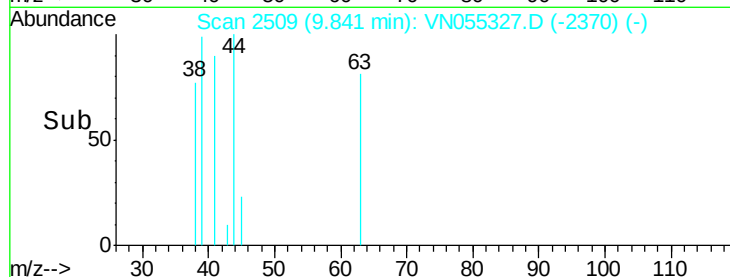
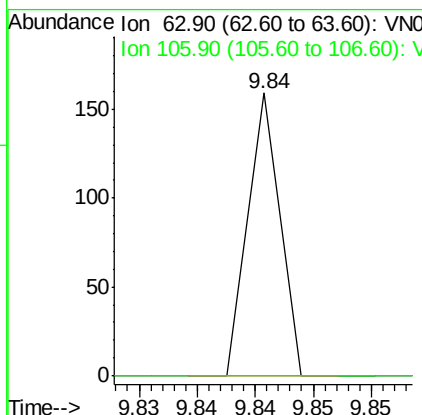
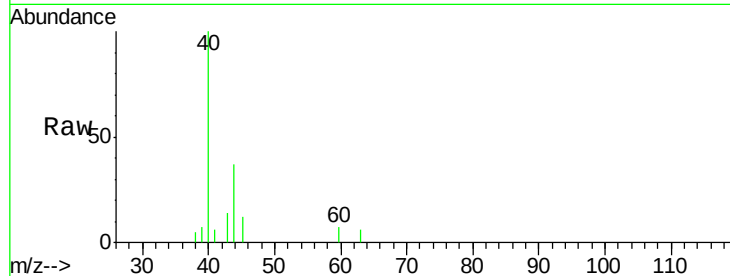




#58
 2-Chloroethyl Vinyl ether
 Concen: 12.426 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.15 min
 Lab File: VN055327.D
 Acq: 1 May 2019 14:18

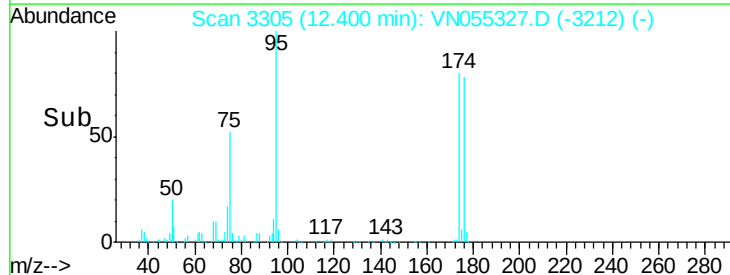
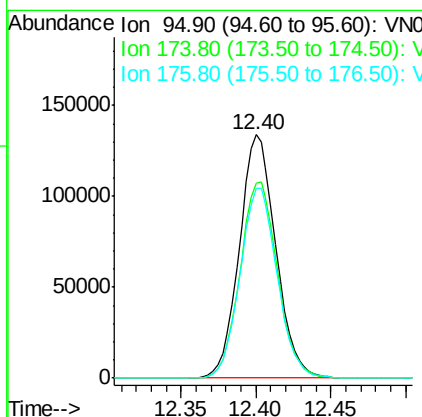
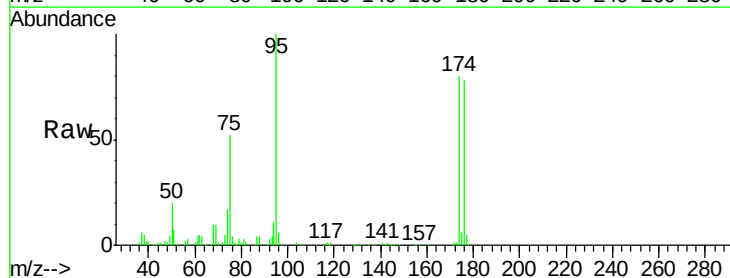
Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

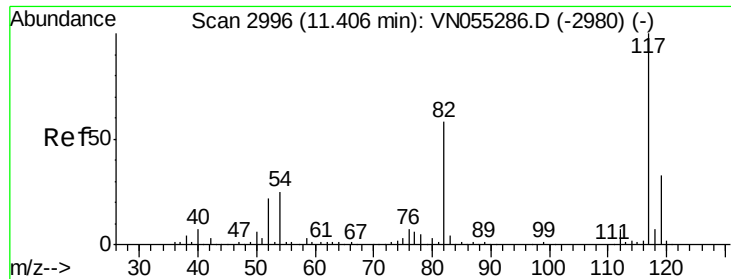
Tot Ion: 63 Resp: 31
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.0 28.4#



#62
 4-Bromofluorobenzene
 Concen: 49.847 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055327.D
 Acq: 1 May 2019 14:18

Tgt Ion: 95 Resp: 226684
 Ion Ratio Lower Upper
 95 100
 174 83.0 0.0 166.6
 176 79.9 0.0 157.8

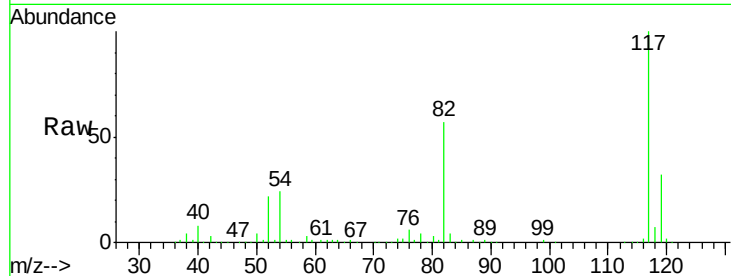




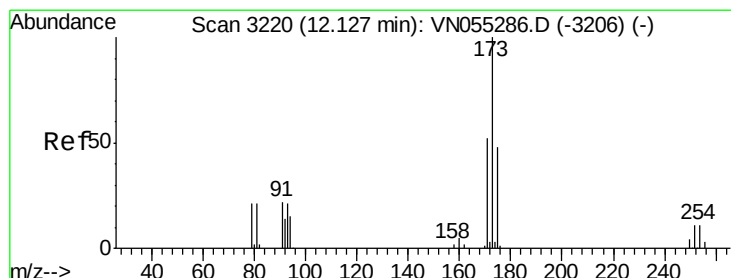
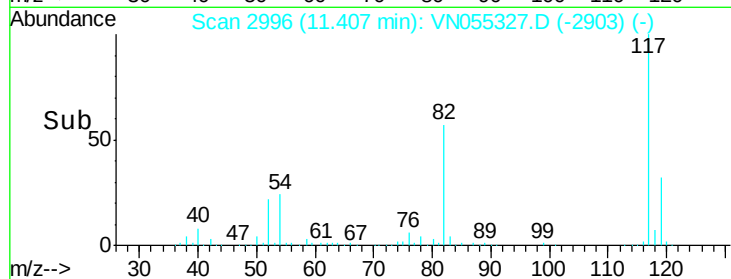
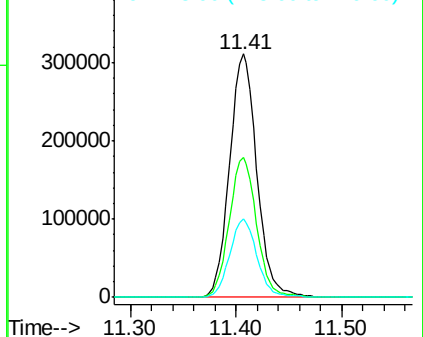
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055327.D
Acq: 1 May 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tot Ion:117 Resp: 555361
Ion Ratio Lower Upper
117 100
82 57.4 46.2 69.4
119 32.0 26.6 40.0

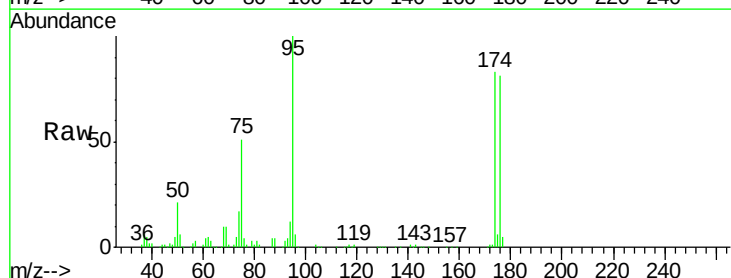


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

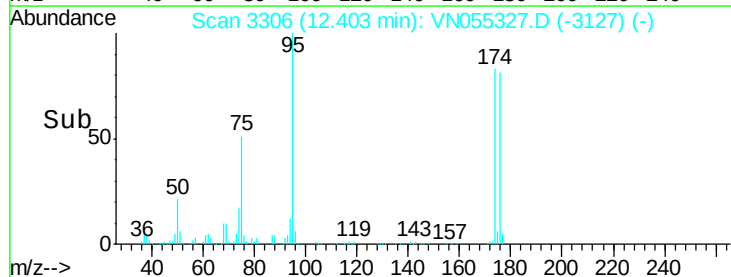
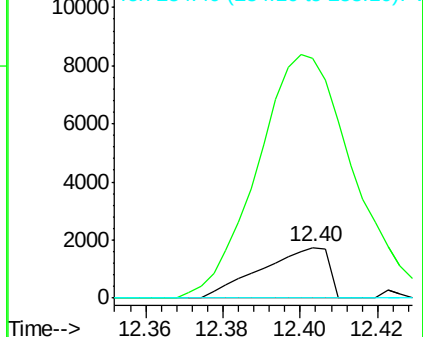


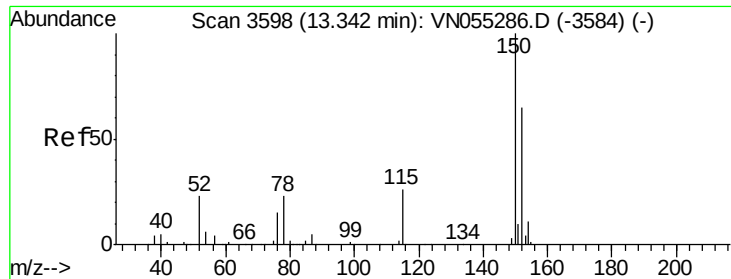
#71
Bromoform
Concen: 0.895 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN055327.D
Acq: 1 May 2019 14:18

Tgt Ion:173 Resp: 2112
Ion Ratio Lower Upper
173 100
175 588.4 23.6 71.0#
254 0.0 0.0 0.0



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055327.D

Acq: 1 May 2019 14:18

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

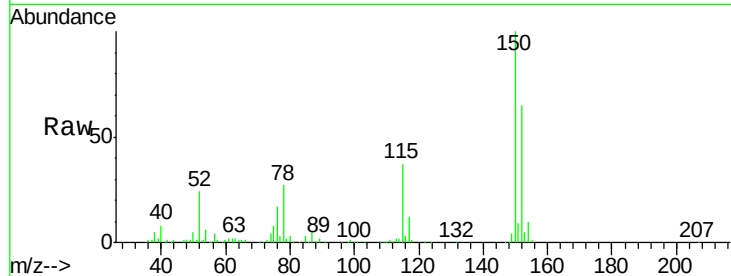
Tot Ion:152 Resp: 140936

Ion Ratio Lower Upper

152 100

115 58.0 29.0 87.0

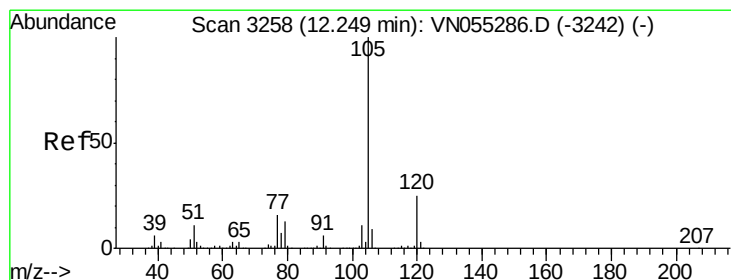
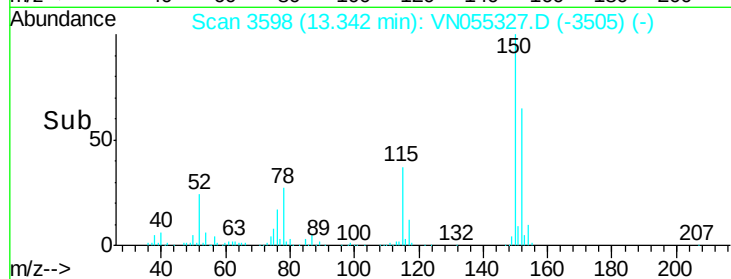
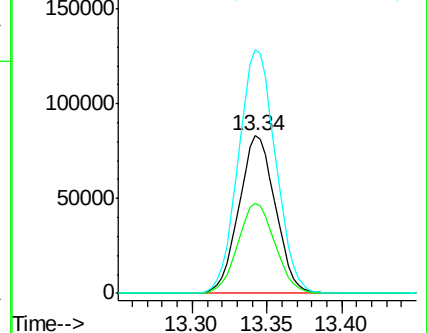
150 157.9 0.0 345.6



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# 3258

Delta R.T. 0.00 min

Lab File: VN055327.D

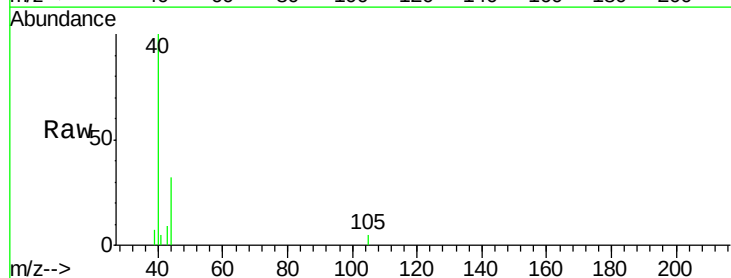
Acq: 1 May 2019 14:18

Tgt Ion:105 Resp: 32

Ion Ratio Lower Upper

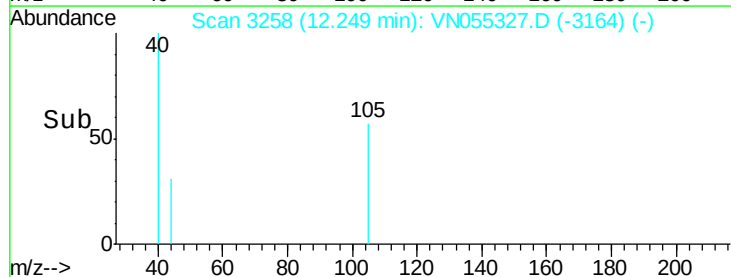
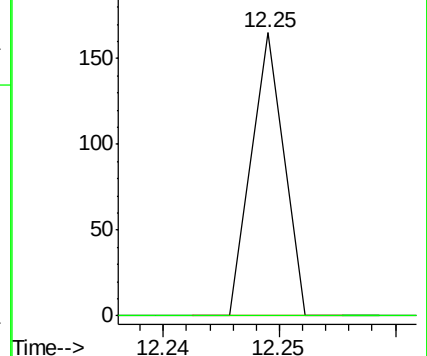
105 100

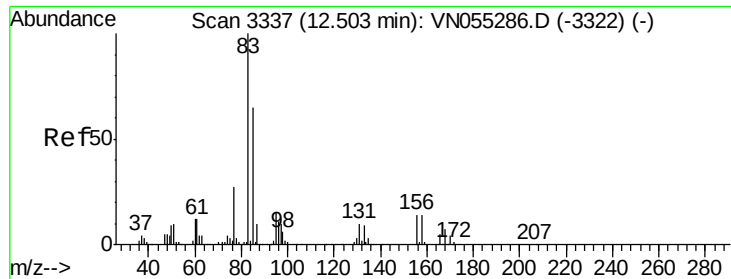
120 0.0 12.9 38.7#



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: 12.42 min Scan# 3311

Delta R.T. -0.08 min

Lab File: VN055327.D

Acq: 1 May 2019 14:18

Instrument :

MSVOA_N

ClientSampled :

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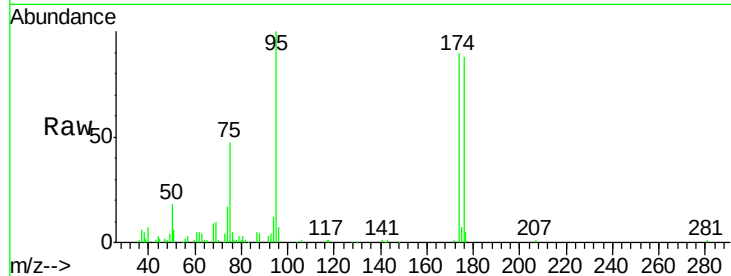
Tot Ion: 83 Resp: 63

Ion Ratio Lower Upper

83 100

131 398.4 5.1 15.2#

85 0.0 32.3 96.8#

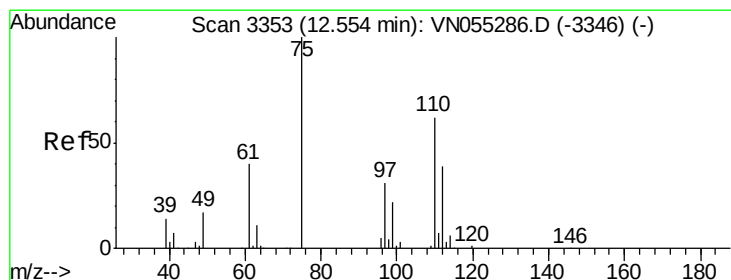
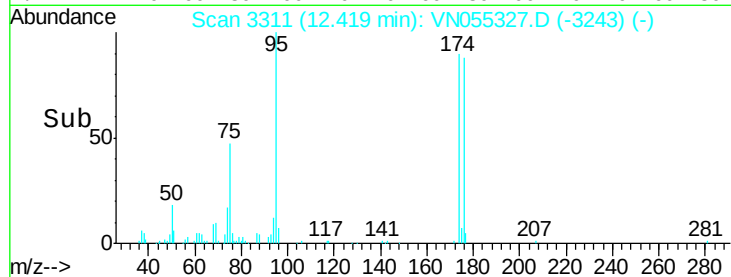
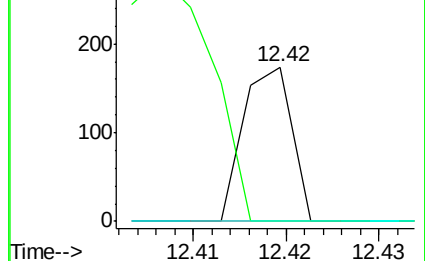


Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC

Time-->



#76

1,2,3-Trichloropropane

Concen: 43.989 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055327.D

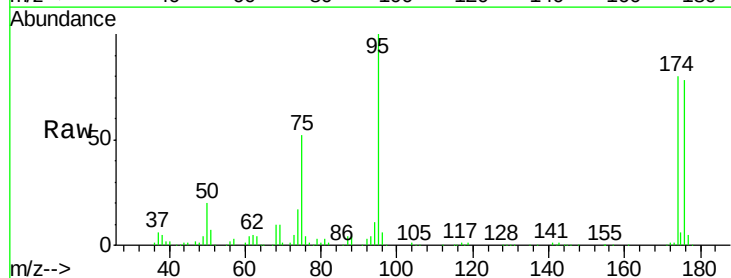
Acq: 1 May 2019 14:18

Tgt Ion: 75 Resp: 116028

Ion Ratio Lower Upper

75 100

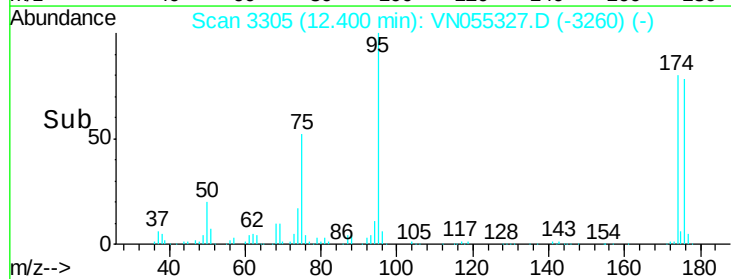
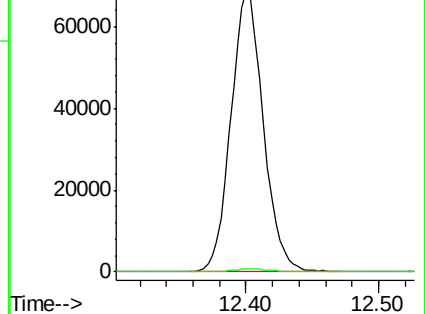
77 1.2 0.0 0.0#

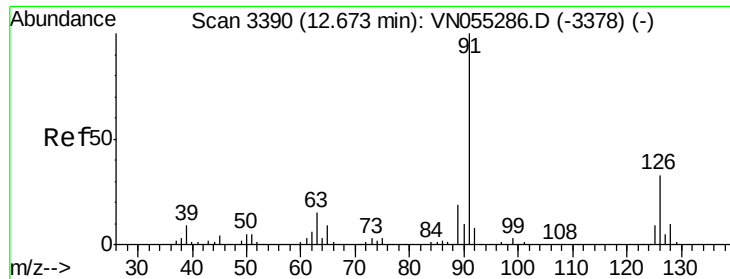


Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC

Time-->

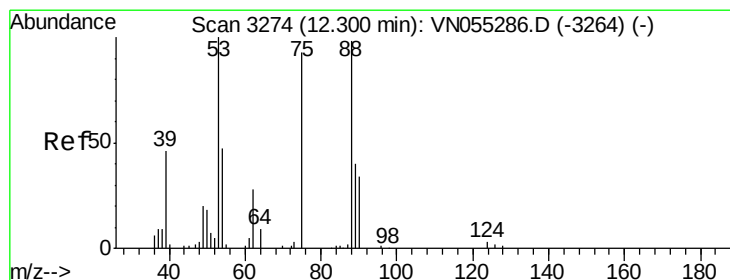
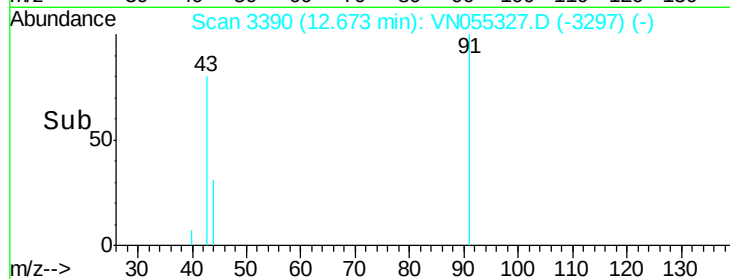
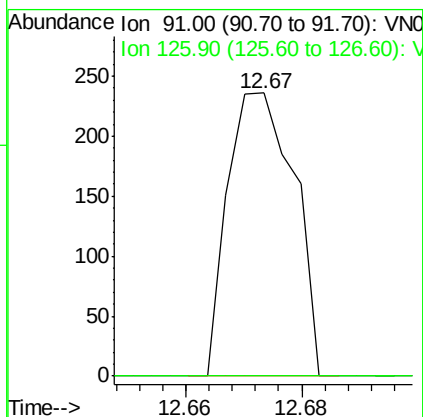
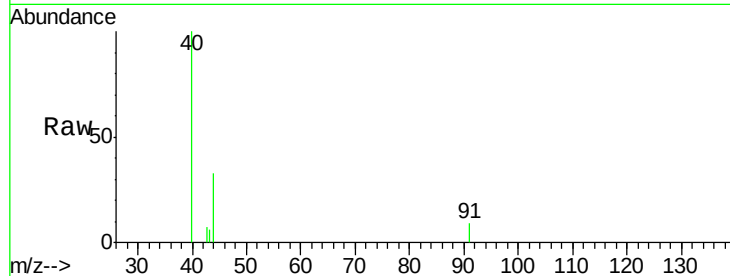




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055327.D
 Acq: 1 May 2019 14:18

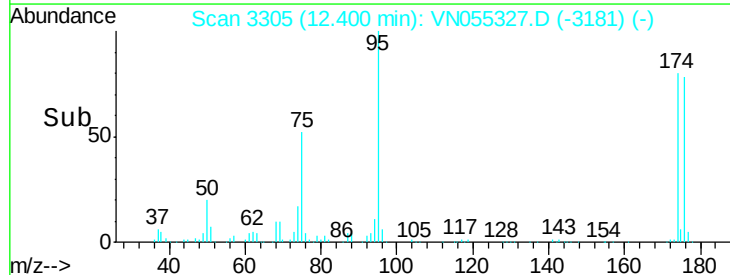
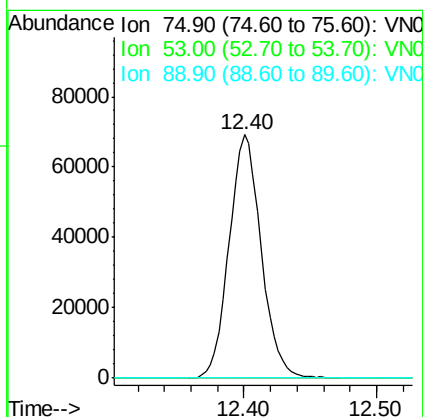
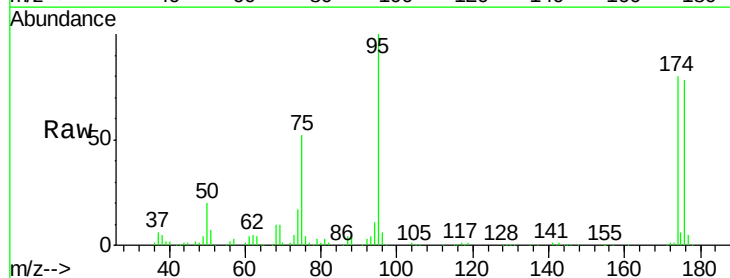
Instrument :
 MSVOA_N
 ClientSampled :
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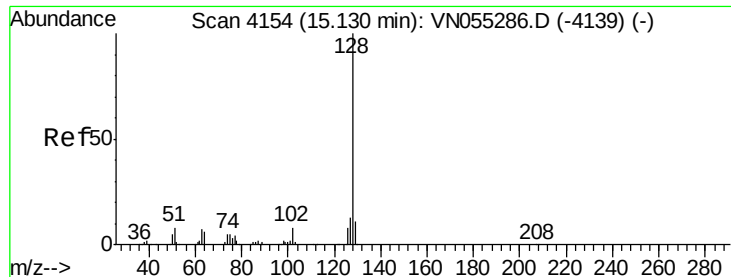
Tot Ion: 91 Resp: 187
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.6 49.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 156.015 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN055327.D
 Acq: 1 May 2019 14:18

Tgt Ion: 75 Resp: 116028
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.3 129.5#
 89 0.0 34.6 51.8#





#95

Naphthalene

Concen: 3.373 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN055327.D

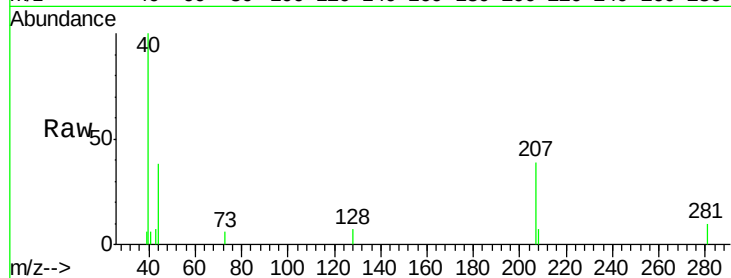
Acq: 1 May 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK



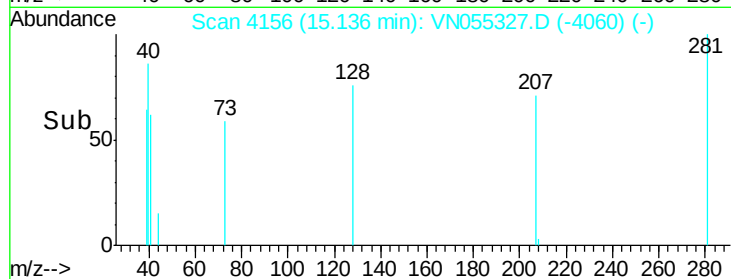
Tot Ion:128 Resp: 186

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

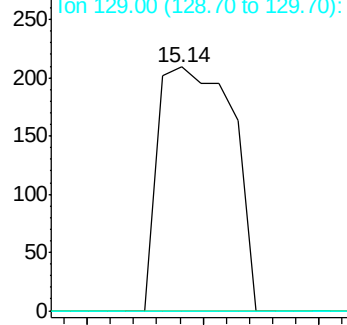
129 0.0 8.6 13.0#



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



Time-->