

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058327.D
 Acq On : 24 Sep 2019 5:12
 Operator : JC/SP
 Sample : I.BLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Quant Time: Sep 24 07:11:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	482701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	791572	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	673448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	282534	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	356748	53.06	ug/l	0.00
Spiked Amount			Recovery	=	106.12%	
35) Dibromofluoromethane	7.58	113	248147	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	
50) Toluene-d8	10.08	98	996926	53.17	ug/l	0.00
Spiked Amount			Recovery	=	106.34%	
62) 4-Bromofluorobenzene	12.41	95	321625	46.18	ug/l	0.00
Spiked Amount			Recovery	=	92.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	892	Below Cal		93
4) Vinyl Chloride	2.16	62	301	Below Cal	#	43
5) Bromomethane	2.56	94	1992	1.832	ug/l	97
6) Chloroethane	2.68	64	145	Below Cal	#	44
10) Methyl Iodide	3.94	142	949	0.290	ug/l #	60
12) 1,1-Dichloroethene	3.71	96	93	Below Cal	#	1
13) Acrolein	3.58	56	206	1.738	ug/l #	15
17) Carbon Disulfide	4.04	76	2121	0.777	ug/l #	51
18) Methyl Acetate	4.31	43	2328	0.388	ug/l #	71
20) Methylene Chloride	4.54	84	1728	0.212	ug/l #	91
21) trans-1,2-Dichloroethene	5.01	96	280	Below Cal	#	15
31) Cyclohexane	7.65	56	12237	Below Cal	#	25
36) 1,1-Dichloropropene	7.65	75	40168	7.037	ug/l #	51
38) Carbon Tetrachloride	7.65	117	49063	8.550	ug/l #	15
41) Methacrylonitrile	7.15	41	109	0.947	ug/l #	100
43) Isopropyl Acetate	8.25	43	47502	4.293	ug/l #	58
49) 1,4-Dioxane	9.19	88	210	2.546	ug/l #	33
51) 4-Methyl-2-Pentanone	9.98	43	3887	0.661	ug/l #	87
59) 2-Hexanone	10.75	43	5226	1.197	ug/l	89
71) Bromoform	12.13	173	290	3.680	ug/l #	29
74) N-amyl acetate	12.08	43	3682	0.498	ug/l #	73
75) 1,1,2,2-Tetrachloroethane	12.51	83	1635	0.276	ug/l #	83
76) 1,2,3-Trichloropropane	12.41	75	180204	35.638	ug/l #	100
77) Bromobenzene	12.53	156	1100	0.247	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.41	75	180204	99.587	ug/l #	5
82) 4-Chlorotoluene	12.78	91	3884	0.294	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	3354	0.413	ug/l	95
88) 1,4-Dichlorobenzene	13.29	146	3354	0.404	ug/l	94
89) n-Butylbenzene	13.62	91	6190	0.421	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	3524	0.432	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.28	75	836	0.784	ug/l	83
93) 1,2,4-Trichlorobenzene	14.92	180	7604	1.460	ug/l	96
94) Hexachlorobutadiene	15.02	225	1626	0.646	ug/l	83
95) Naphthalene	15.14	128	41201	3.053	ug/l	100

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Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration

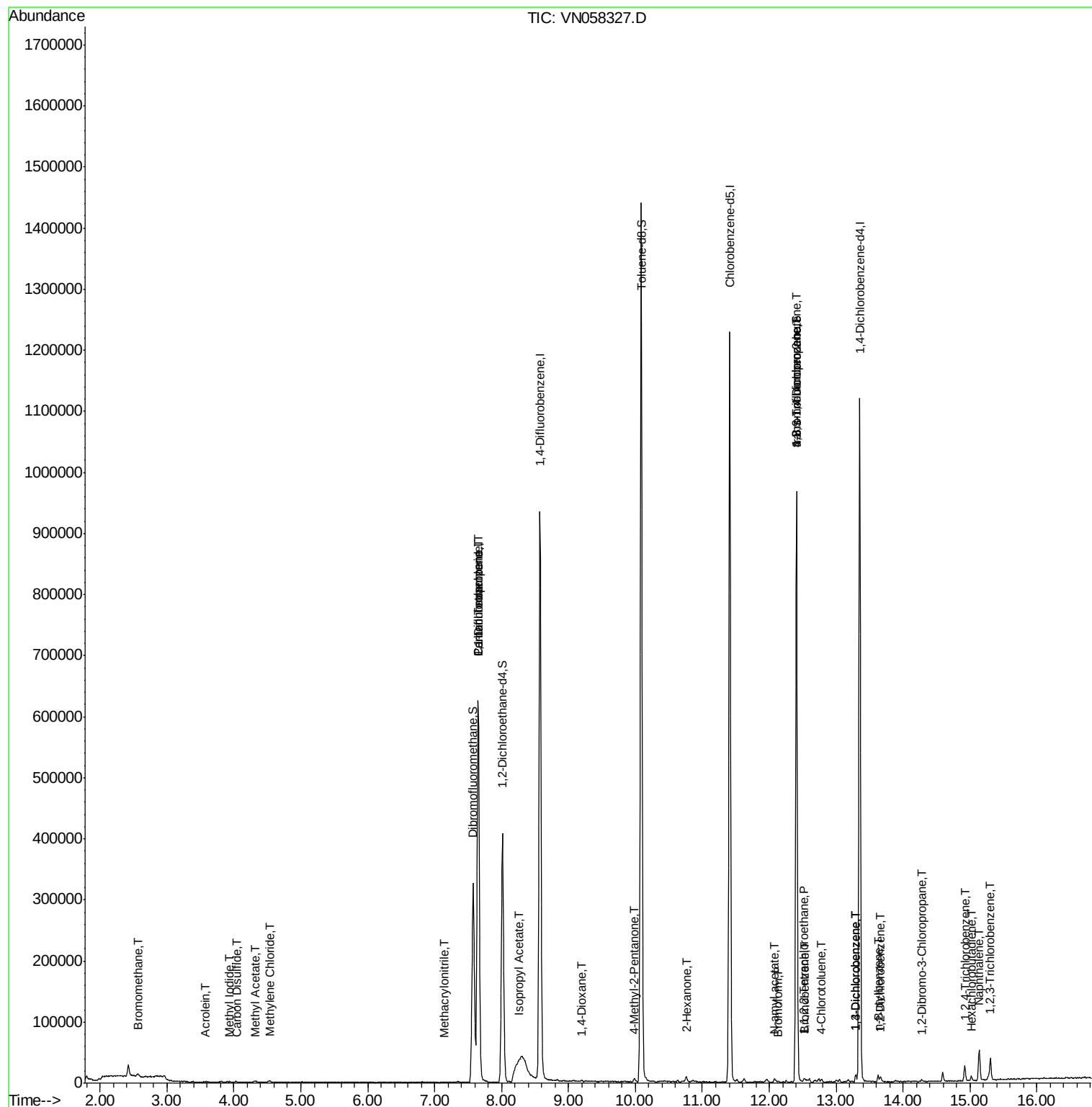
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.30	180	10384	2.110	ug/l	98

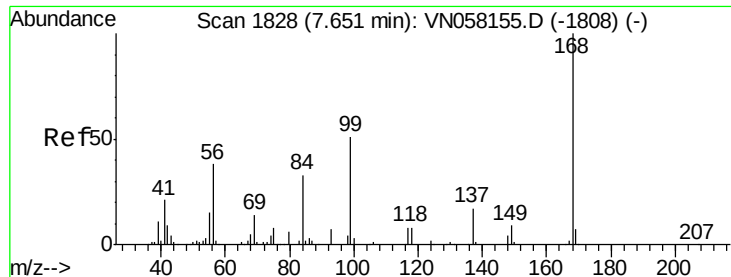
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092319\
Data File : VN058327.D
Acq On : 24 Sep 2019 5:12
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Sample : I.BLK
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

Instrument :

MSVOA_N

ClientSampled :

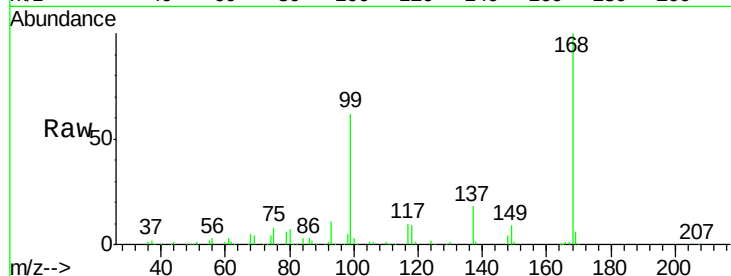
I.BLK

Tot Ion:168 Resp: 482701

Ion Ratio Lower Upper

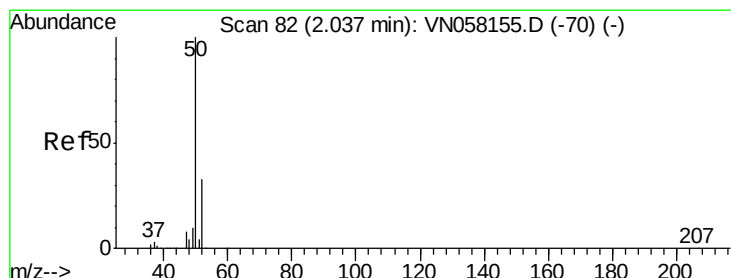
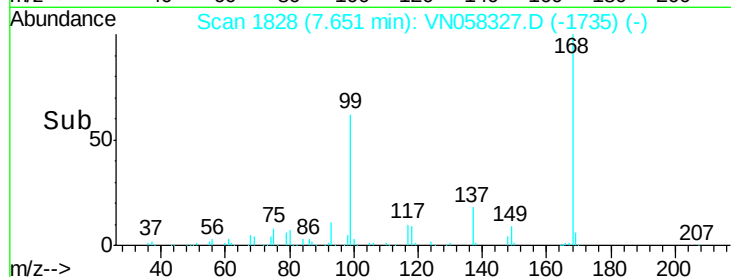
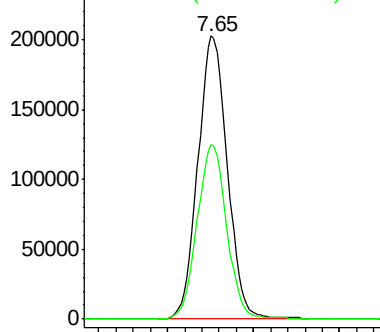
168 100

99 61.8 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058327.D

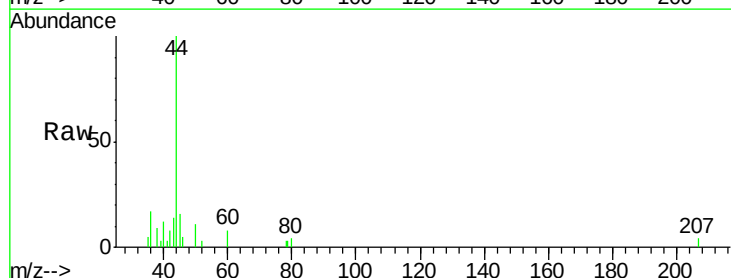
Acq: 24 Sep 2019 5:12

Tgt Ion: 50 Resp: 892

Ion Ratio Lower Upper

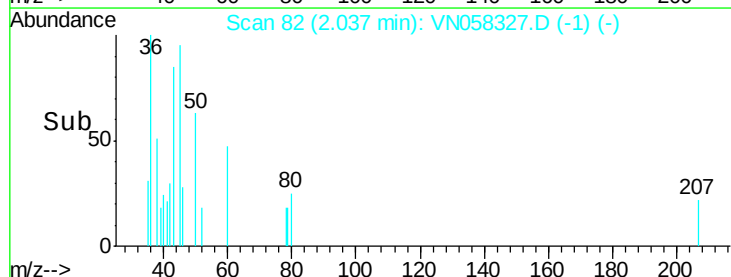
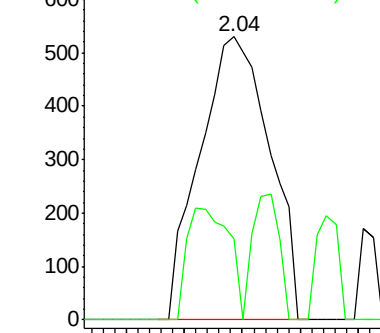
50 100

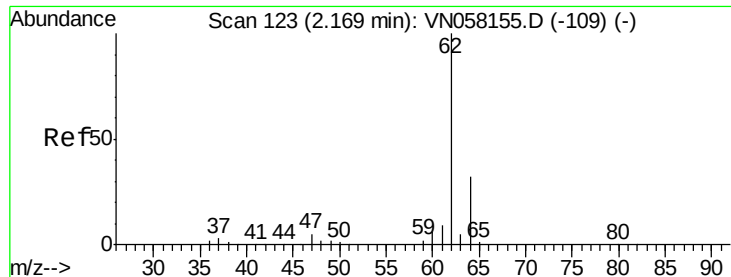
52 28.9 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#4

Vinyl Chloride

Concen: Below Cal

RT: 2.16 min Scan# 121

Delta R.T. -0.01 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

Instrument :

MSVOA_N

ClientSampled :

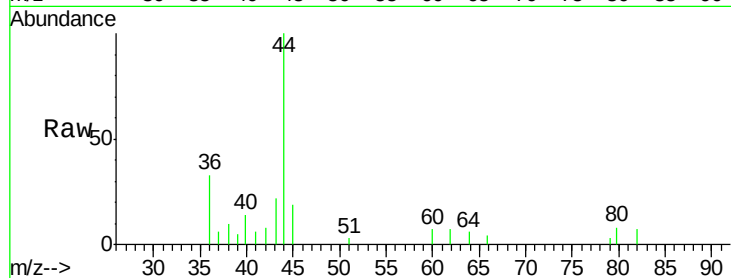
I.BLK

Tot Ion: 62 Resp: 301

Ion Ratio Lower Upper

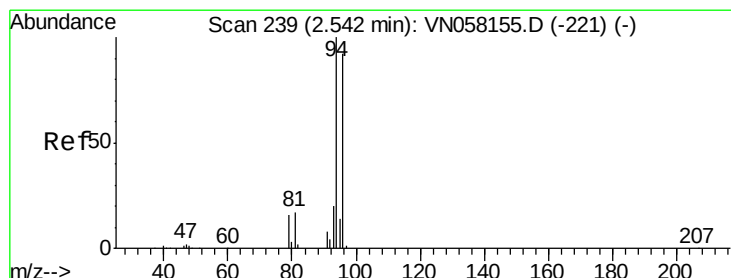
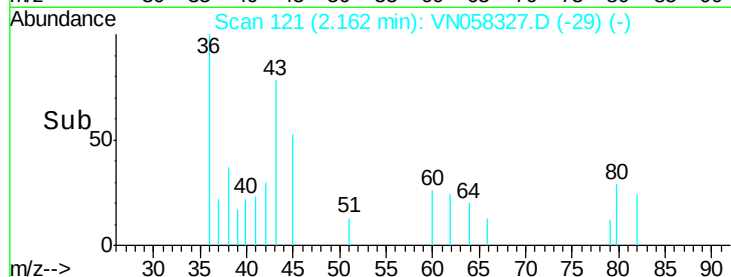
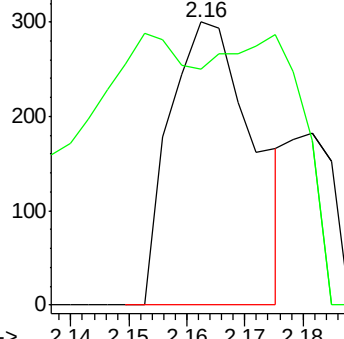
62 100

64 0.0 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



#5

Bromomethane

Concen: 1.832 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.02 min

Lab File: VN058327.D

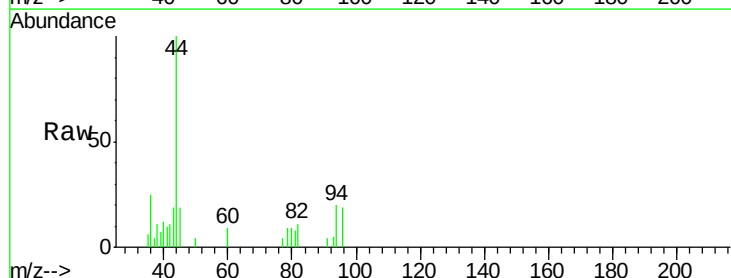
Acq: 24 Sep 2019 5:12

Tgt Ion: 94 Resp: 1992

Ion Ratio Lower Upper

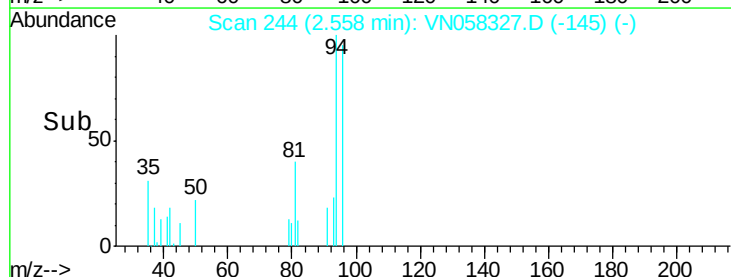
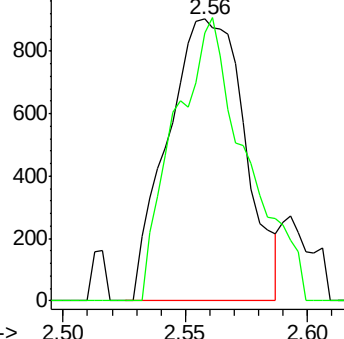
94 100

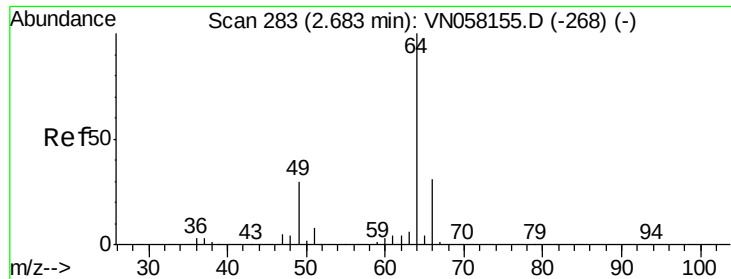
96 94.9 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO





#6

Chloroethane

Concen: Below Cal

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

Instrument :

MSVOA_N

ClientSampleId :

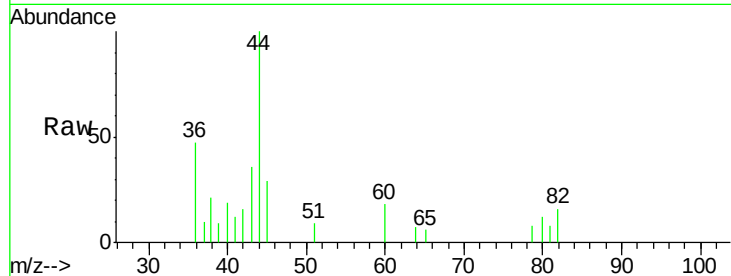
I.BLK

Tot Ion: 64 Resp: 145

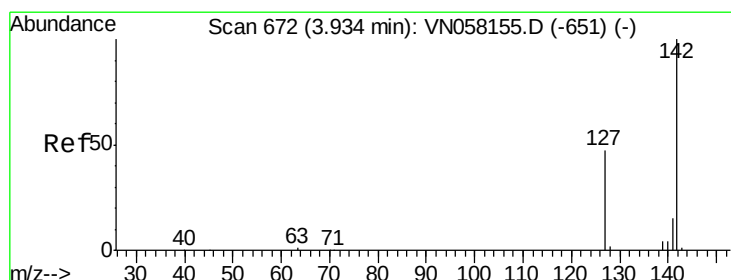
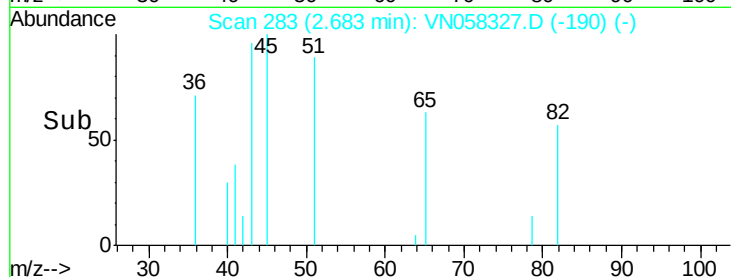
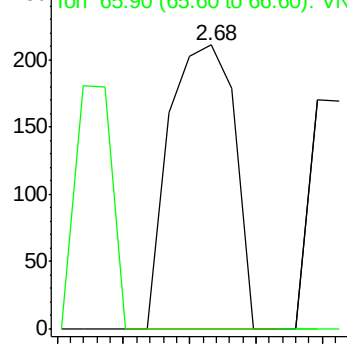
Ion Ratio Lower Upper

64 100

66 0.0 24.6 37.0#



Abundance Ion 63.90 (63.60 to 64.60): VN058327.D (-190) (-)



#10

Methyl Iodide

Concen: 0.290 ug/l

RT: 3.94 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

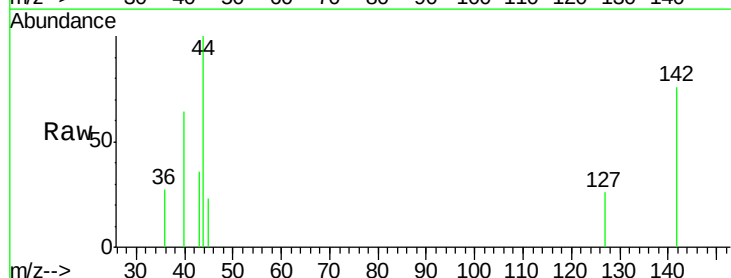
Tgt Ion: 142 Resp: 949

Ion Ratio Lower Upper

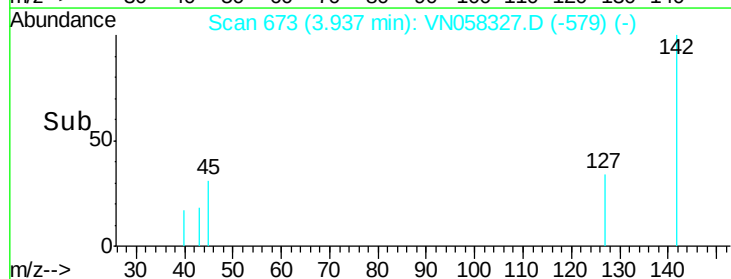
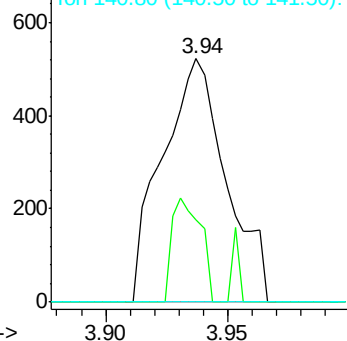
142 100

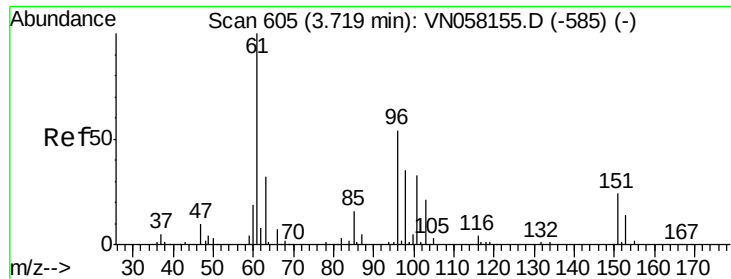
127 19.1 37.5 56.3#

141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): VN058327.D (-579) (-)





#12

1,1-Dichloroethene

Concen: Below Cal

RT: 3.71 min Scan# 601

Delta R.T. -0.01 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

Instrument :

MSVOA_N

ClientSampled :

I.BLK

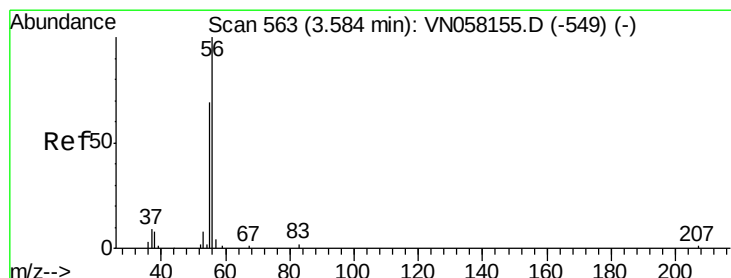
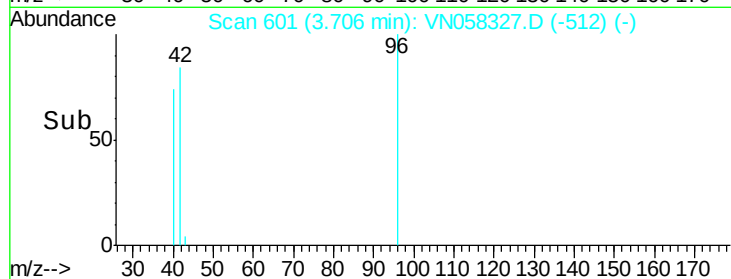
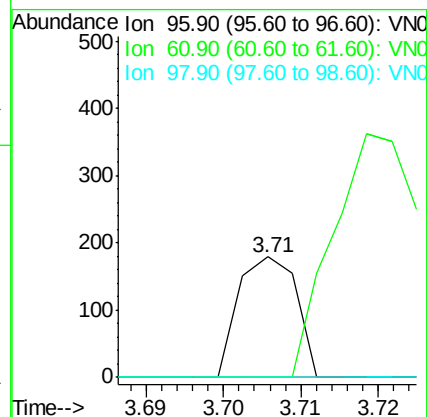
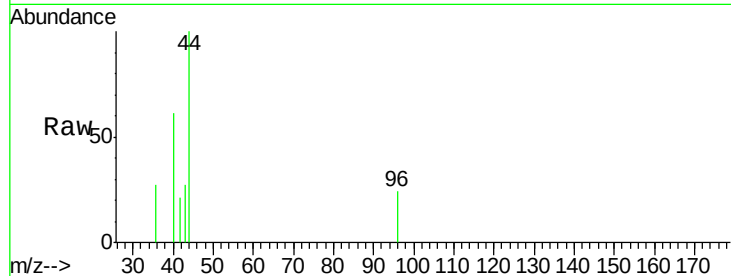
Tot Ion: 96 Resp: 93

Ion Ratio Lower Upper

96 100

61 0.0 149.5 224.3#

98 0.0 52.4 78.6#



#13

Acrolein

Concen: 1.738 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.01 min

Lab File: VN058327.D

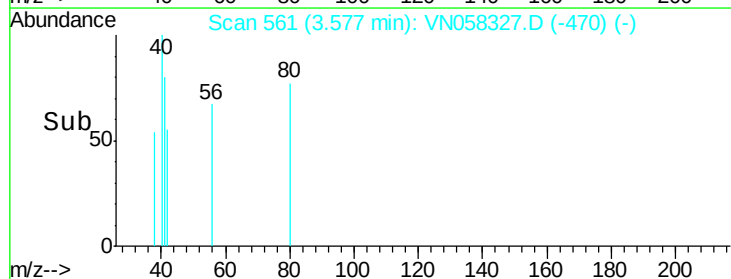
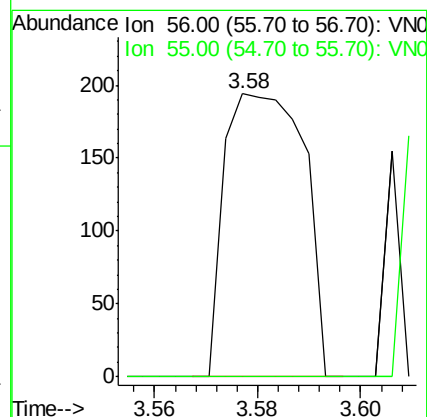
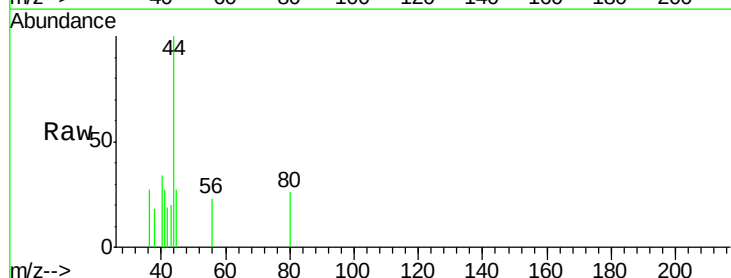
Acq: 24 Sep 2019 5:12

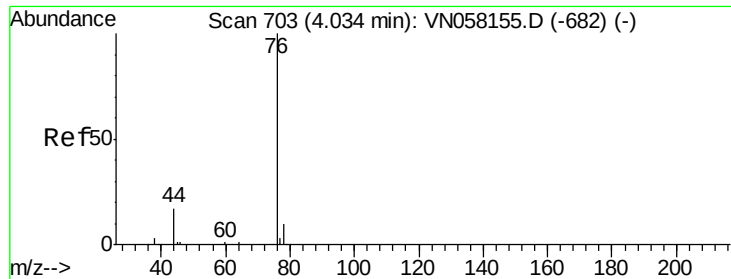
Tgt Ion: 56 Resp: 206

Ion Ratio Lower Upper

56 100

55 0.0 56.1 84.1#





#17

Carbon Disulfide

Concen: 0.777 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.01 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

Instrument :

MSVOA_N

ClientSampled :

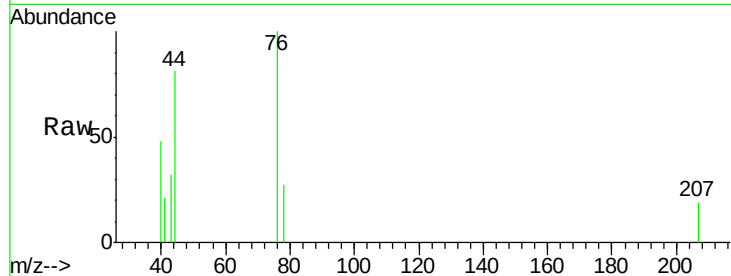
I.BLK

Tot Ion: 76 Resp: 2121

Ion Ratio Lower Upper

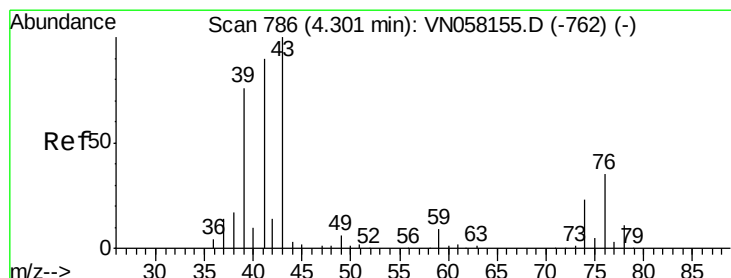
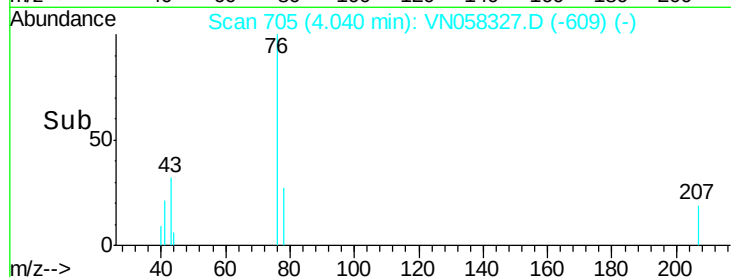
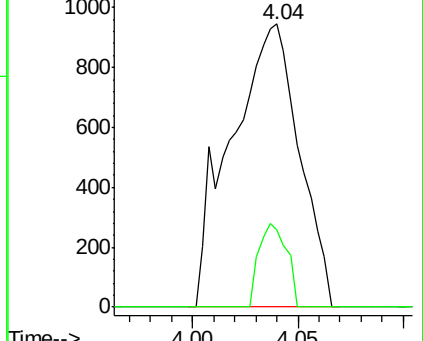
76 100

78 27.4 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 0.388 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.01 min

Lab File: VN058327.D

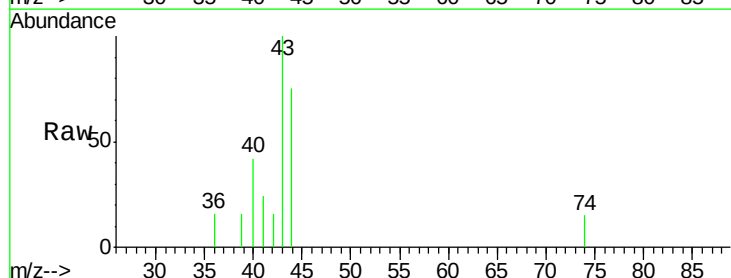
Acq: 24 Sep 2019 5:12

Tgt Ion: 43 Resp: 2328

Ion Ratio Lower Upper

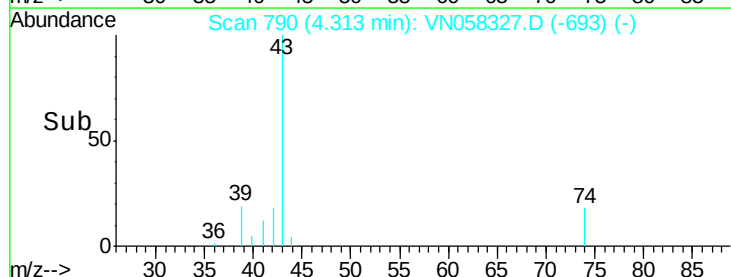
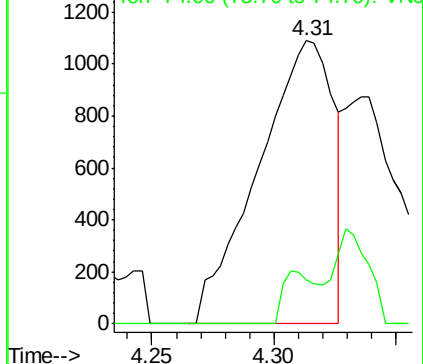
43 100

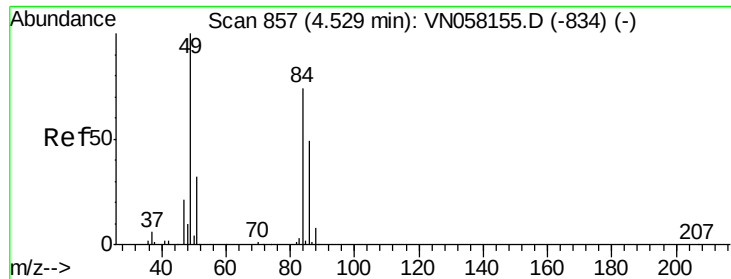
74 8.5 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

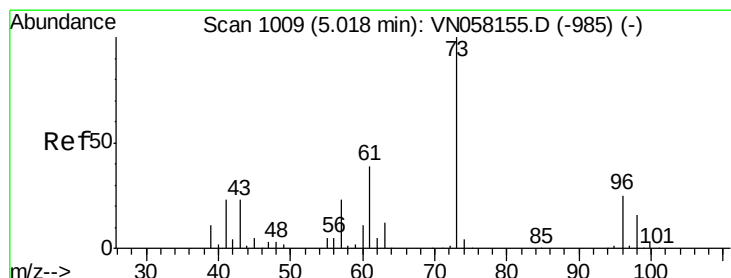
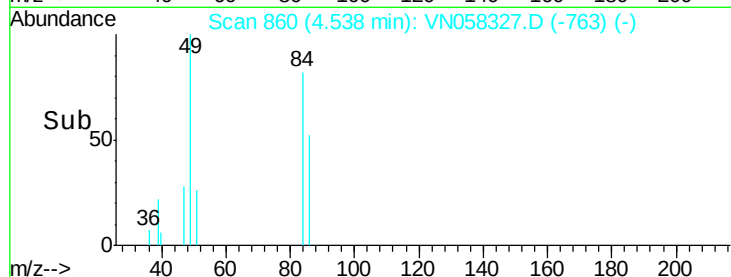
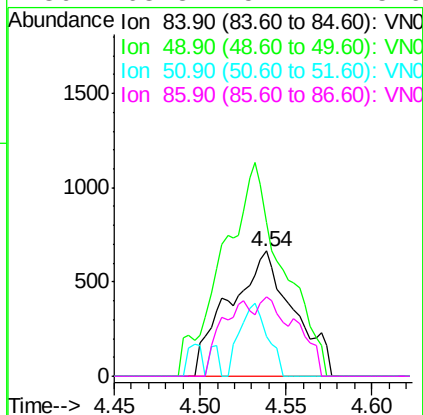
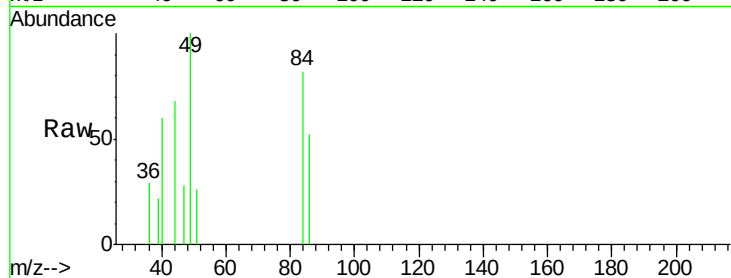




#20
Methylene Chloride
Concen: 0.212 ug/l
RT: 4.54 min Scan# 860
Delta R.T. 0.01 min
Lab File: VN058327.D
Acq: 24 Sep 2019 5:12

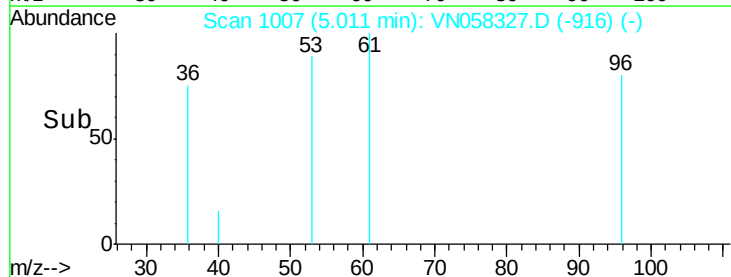
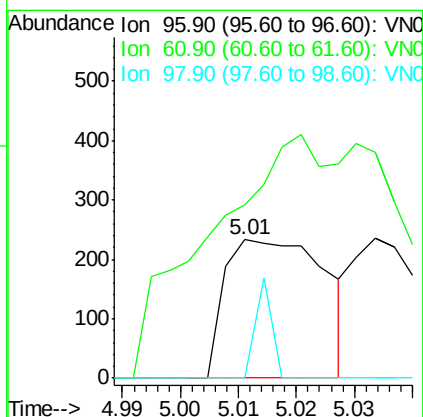
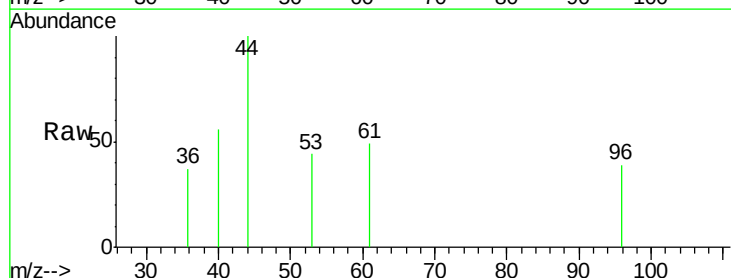
Instrument :
MSVOA_N
ClientSampled :
I.BLK

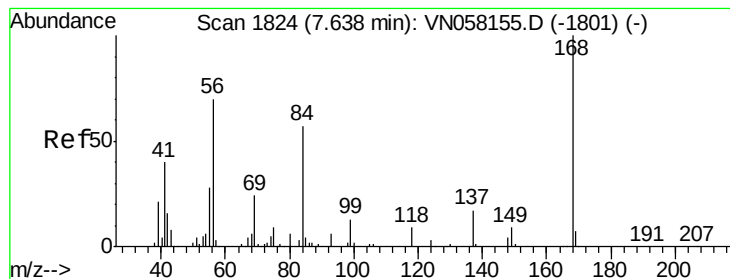
Tot Ion: 84 Resp: 1728
Ion Ratio Lower Upper
84 100
49 122.3 107.5 161.3
51 31.6 33.9 50.9#
86 63.3 52.4 78.6



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: VN058327.D
Acq: 24 Sep 2019 5:12

Tgt Ion: 96 Resp: 280
Ion Ratio Lower Upper
96 100
61 40.8 122.2 183.4#
98 0.0 49.9 74.9#





#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

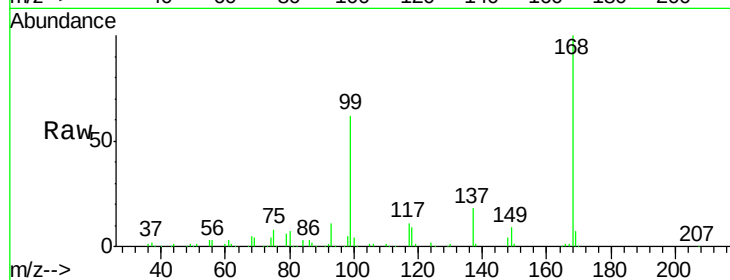
Tot Ion: 56 Resp: 12237

Ion Ratio Lower Upper

56 100

69 157.9 27.3 40.9#

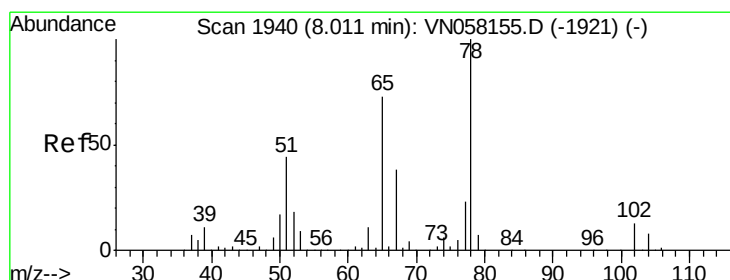
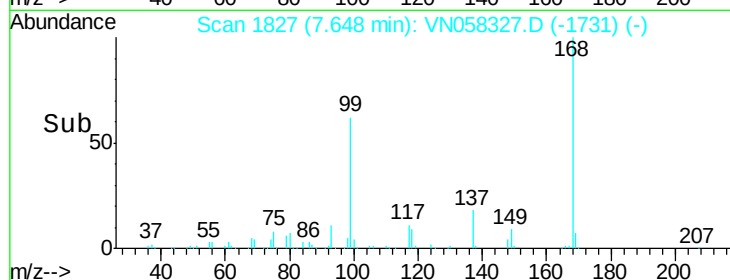
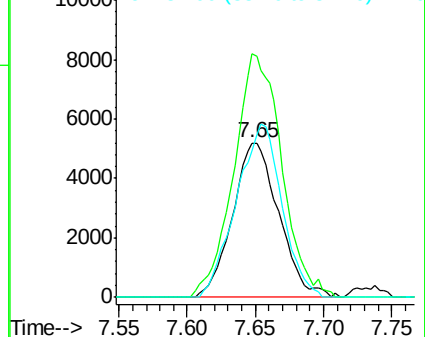
84 95.2 65.0 97.4



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: 53.063 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058327.D

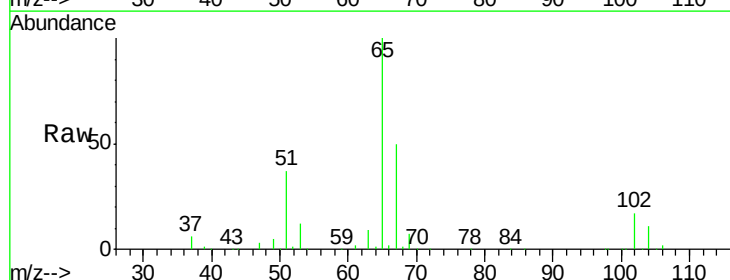
Acq: 24 Sep 2019 5:12

Tgt Ion: 65 Resp: 356748

Ion Ratio Lower Upper

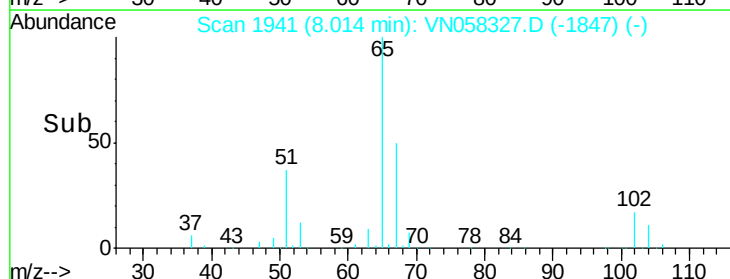
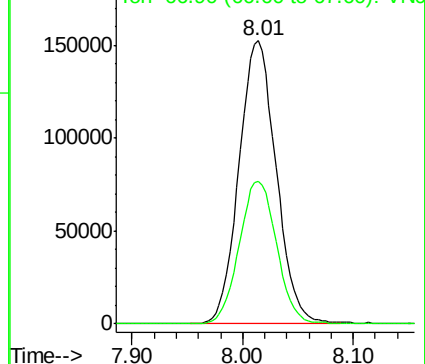
65 100

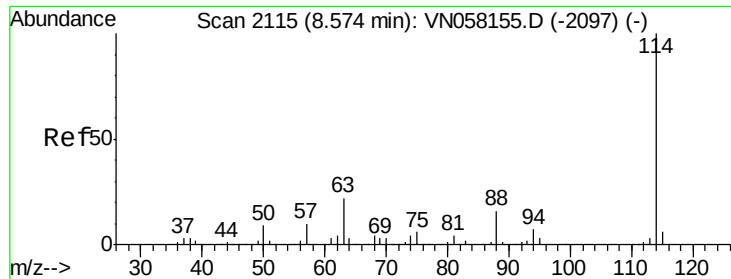
67 50.7 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

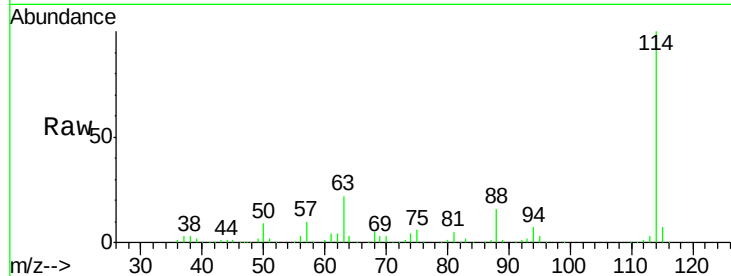




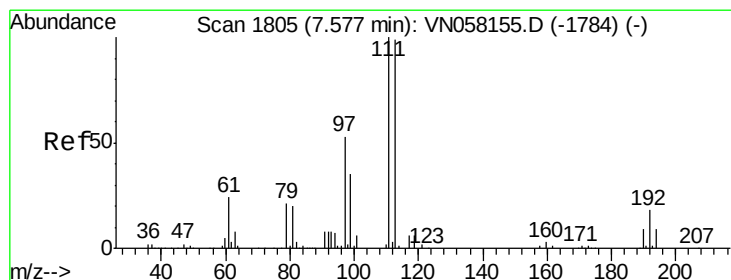
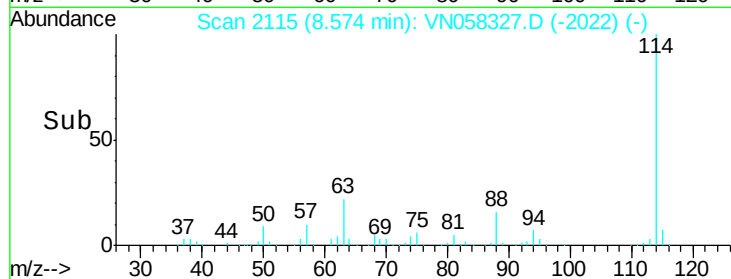
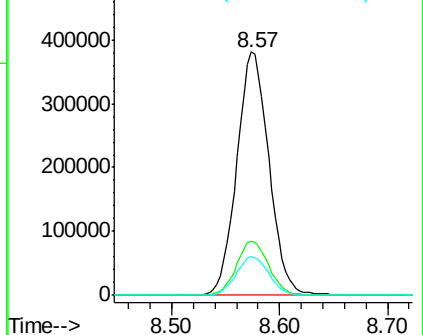
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058327.D
 Acq: 24 Sep 2019 5:12

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	44.2
88	15.8	0.0	31.6

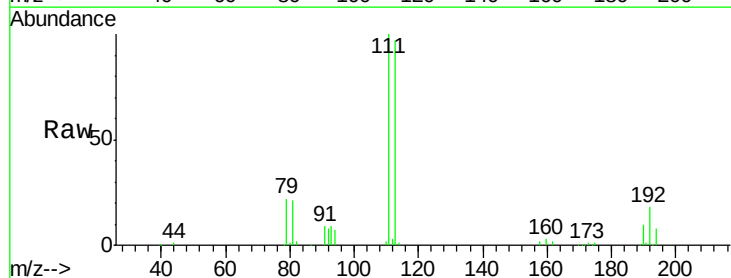


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

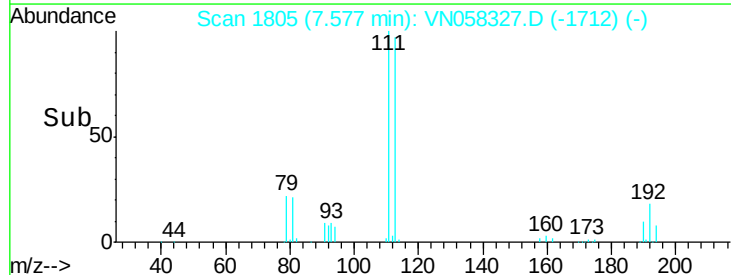
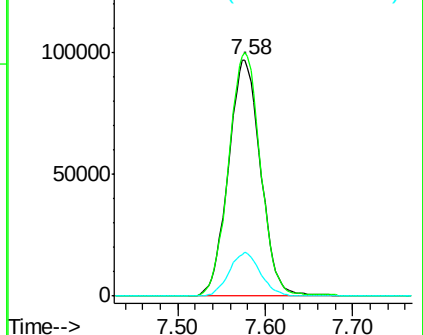


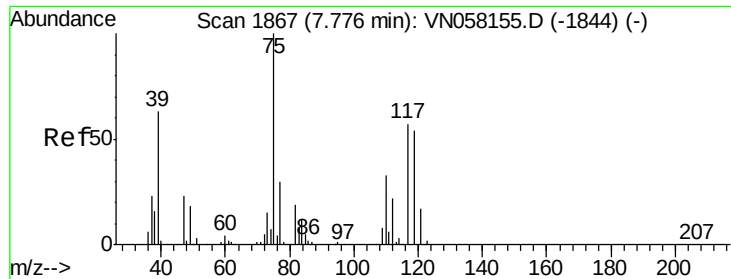
#35
 Dibromofluoromethane
 Concen: 51.567 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN058327.D
 Acq: 24 Sep 2019 5:12

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.8	122.6
192	17.9	14.5	21.7



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

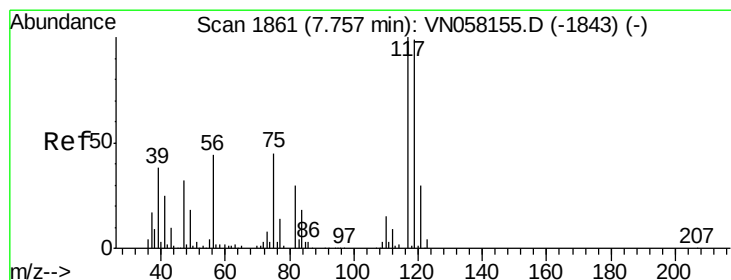
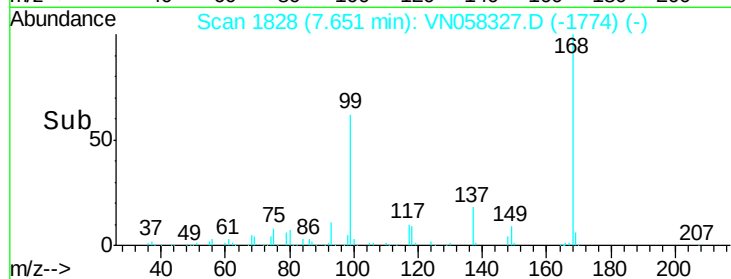
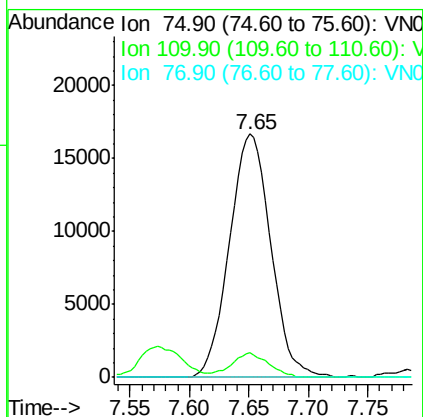
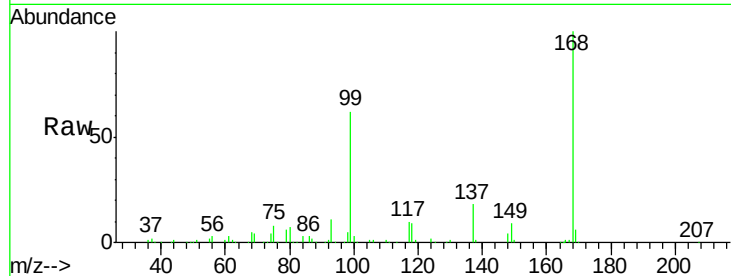




#36
 1,1-Dichloropropene
 Concen: 7.037 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058327.D
 Acq: 24 Sep 2019 5:12

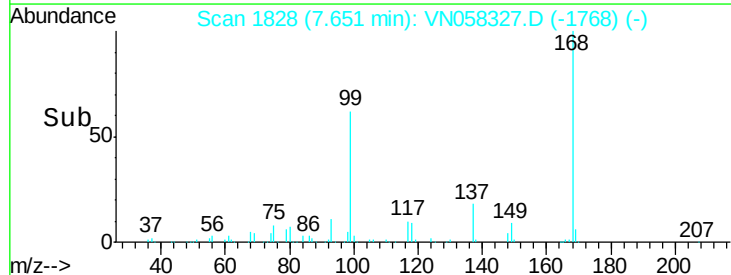
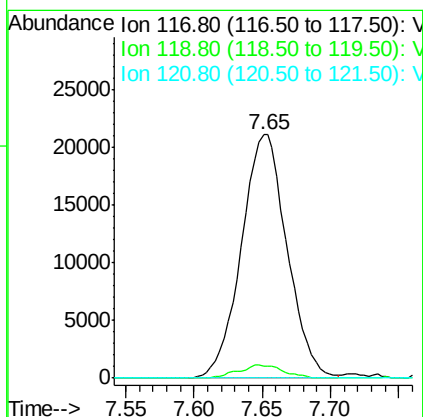
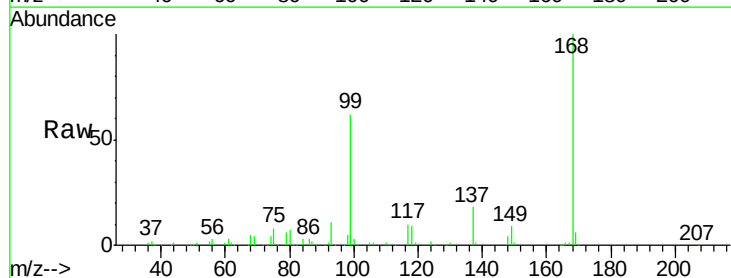
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

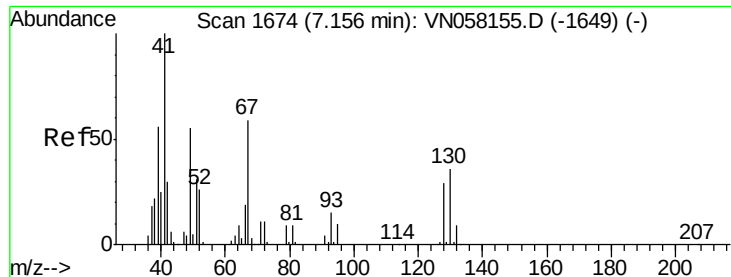
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	16.6	49.7#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 8.550 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN058327.D
 Acq: 24 Sep 2019 5:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	78.6	117.8#
121	0.0	24.1	36.1#

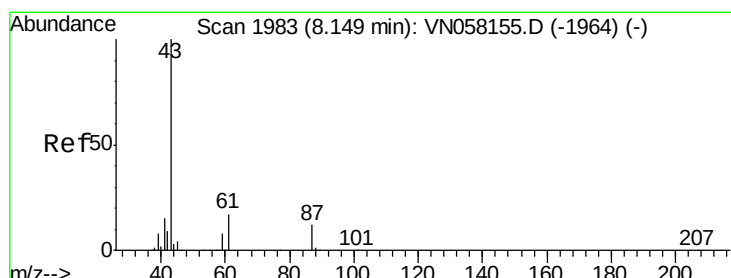
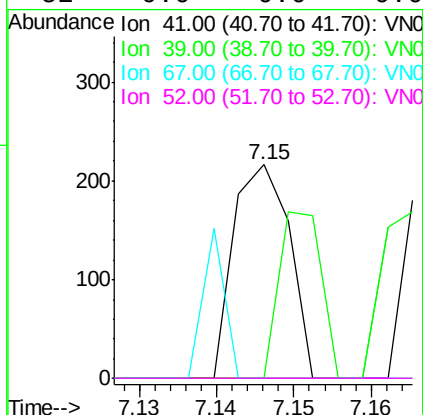
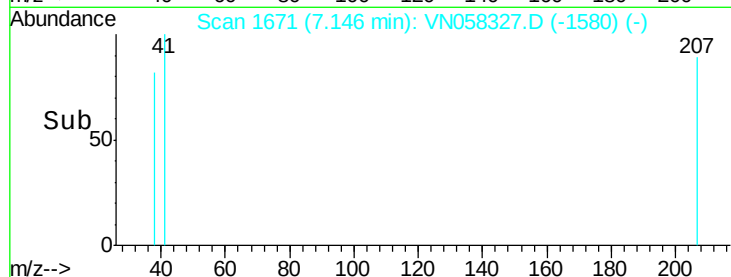
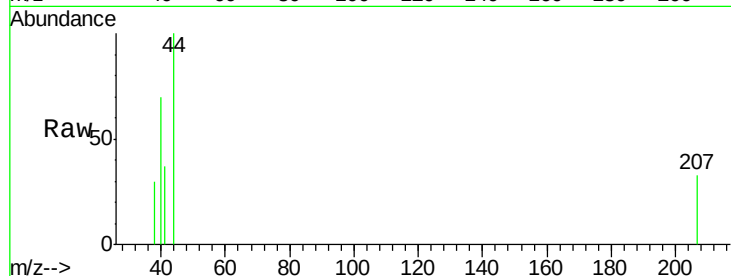




#41
Methacrylonitrile
Concen: 0.947 ug/l
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN058327.D
Acq: 24 Sep 2019 5:12

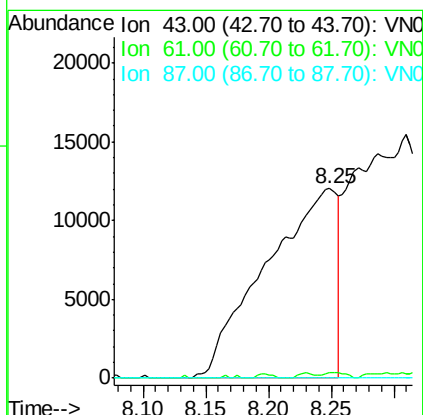
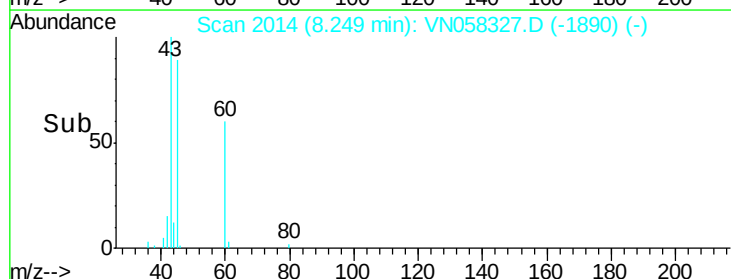
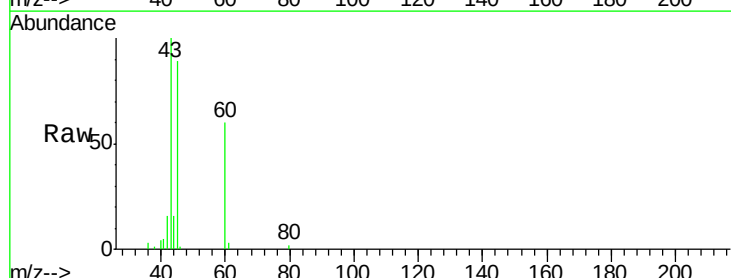
Instrument :
MSVOA_N
ClientSampled :
I.BLK

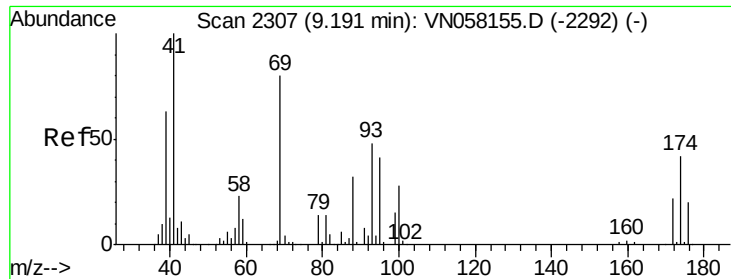
Tot Ion:	41	Resp:	109
Ion	Ratio	Lower	Upper
41	100		
39	58.7	0.0	0.0#
67	26.6	0.0	0.0#
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 4.293 ug/l
RT: 8.25 min Scan# 2014
Delta R.T. 0.10 min
Lab File: VN058327.D
Acq: 24 Sep 2019 5:12

Tgt Ion:	43	Resp:	47502
Ion	Ratio	Lower	Upper
43	100		
61	0.9	19.7	29.5#
87	0.0	9.4	14.2#





#49

1,4-Dioxane

Concen: 2.546 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

Instrument :

MSVOA_N

ClientSampled :

I.BLK

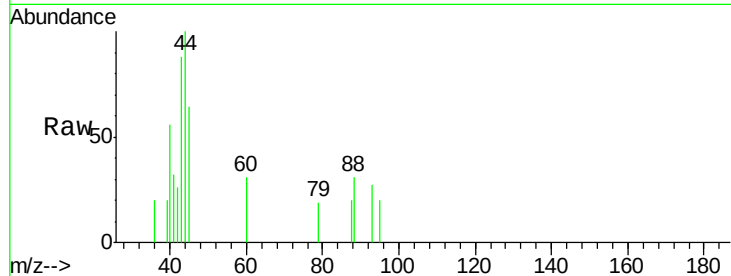
Tot Ion: 88 Resp: 210

Ion Ratio Lower Upper

88 100

43 54.3 27.8 41.8#

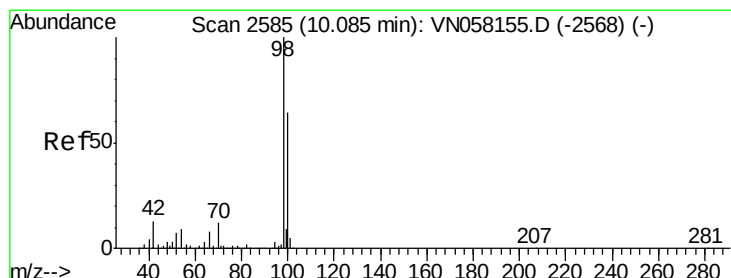
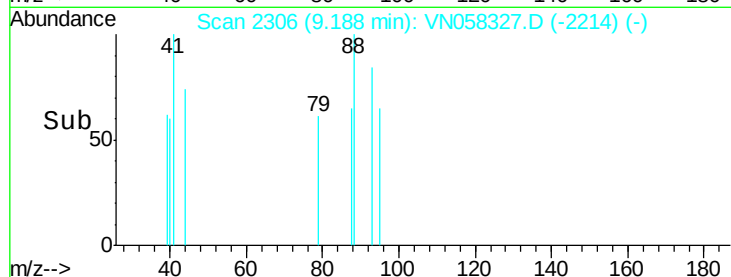
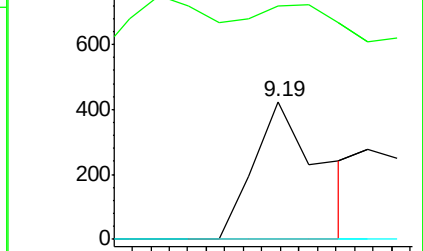
58 0.0 55.0 82.4#



Abundance Ion 88.00 (87.70 to 88.70): VN058327.D (-2214) (-)

Ion 43.00 (42.70 to 43.70): VN058327.D (-2214) (-)

Ion 58.00 (57.70 to 58.70): VN058327.D (-2214) (-)



#50

Toluene-d8

Concen: 53.172 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058327.D

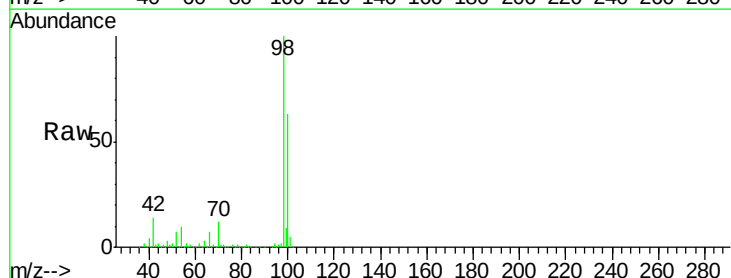
Acq: 24 Sep 2019 5:12

Tgt Ion: 98 Resp: 996926

Ion Ratio Lower Upper

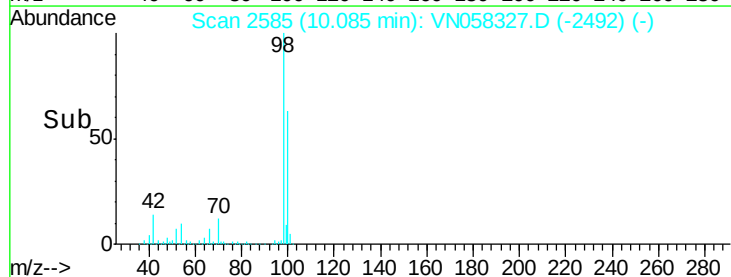
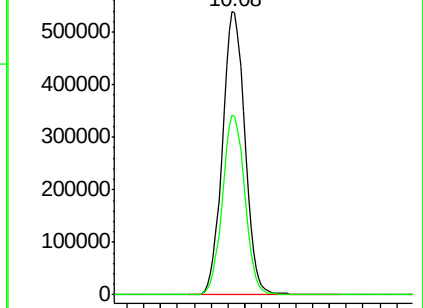
98 100

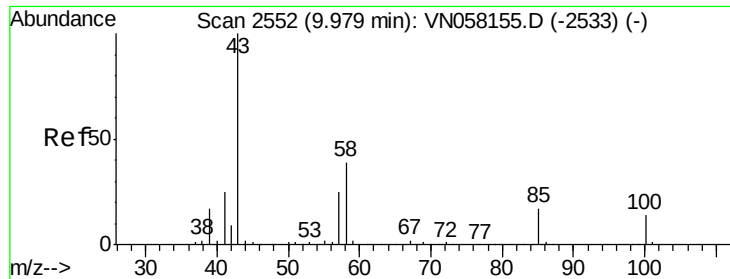
100 63.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN058327.D (-2492) (-)

Ion 100.00 (99.70 to 100.70): VN058327.D (-2492) (-)





#51

4-Methyl-2-Pentanone

Concen: 0.661 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

Instrument :

MSVOA_N

ClientSampled :

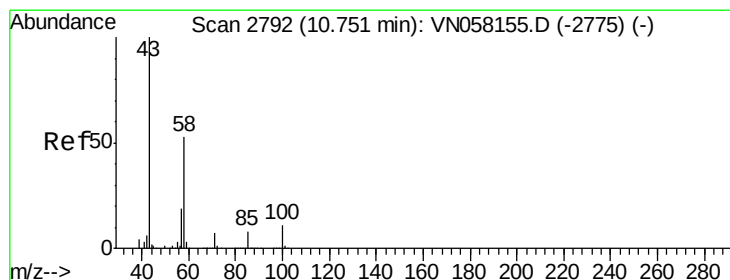
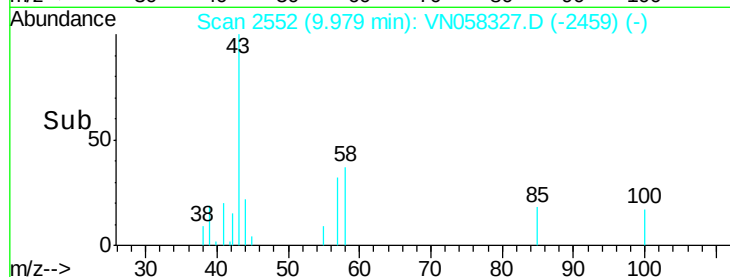
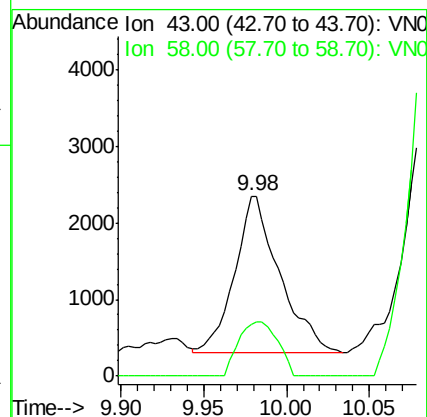
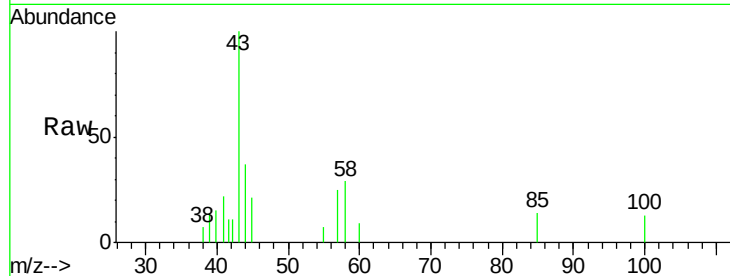
I.BLK

Tot Ion: 43 Resp: 3887

Ion Ratio Lower Upper

43 100

58 29.8 30.2 45.4#



#59

2-Hexanone

Concen: 1.197 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN058327.D

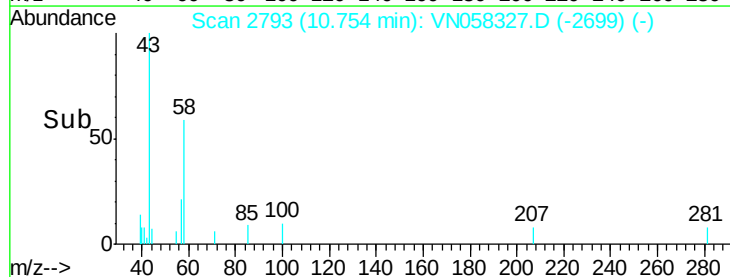
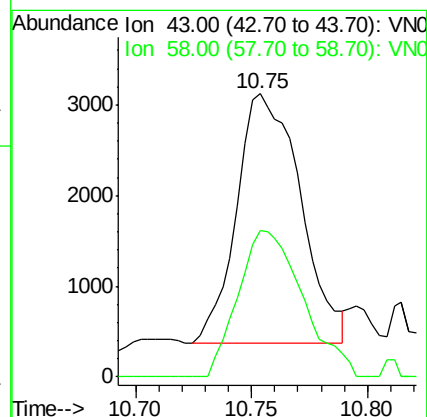
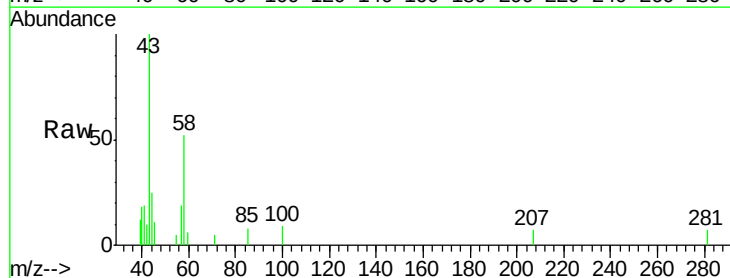
Acq: 24 Sep 2019 5:12

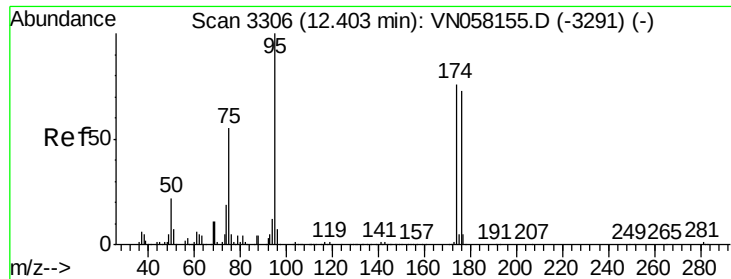
Tgt Ion: 43 Resp: 5226

Ion Ratio Lower Upper

43 100

58 59.8 26.0 78.0





#62

4-Bromofluorobenzene

Concen: 46.180 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

Instrument :

MSVOA_N

ClientSampled :

I.BLK

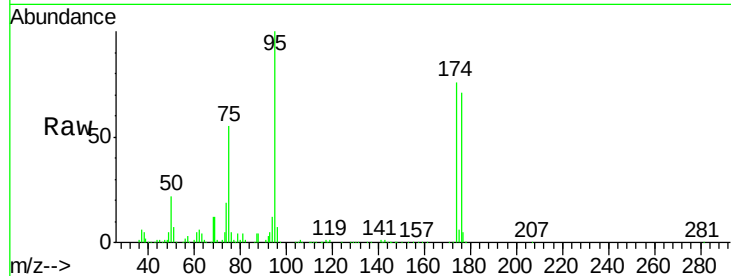
Tot Ion: 95 Resp: 321625

Ion Ratio Lower Upper

95 100

174 75.8 0.0 152.2

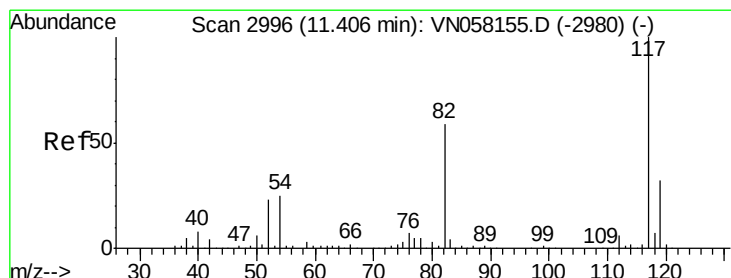
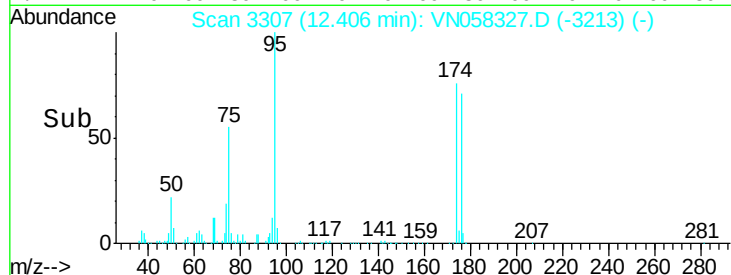
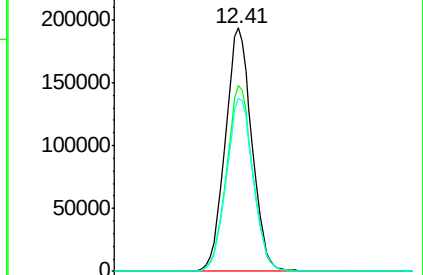
176 72.0 0.0 148.0



Abundance Ion 94.90 (94.60 to 95.60): VN058155.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN058155.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN058155.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

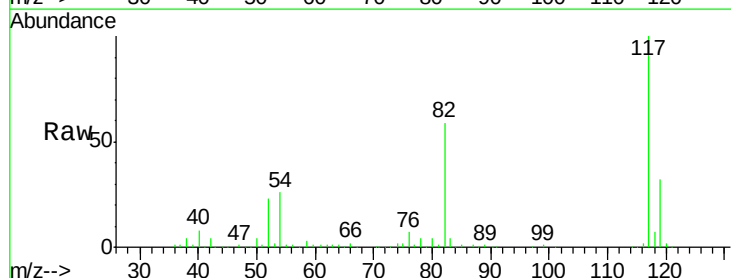
Tgt Ion: 117 Resp: 673448

Ion Ratio Lower Upper

117 100

82 59.1 46.9 70.3

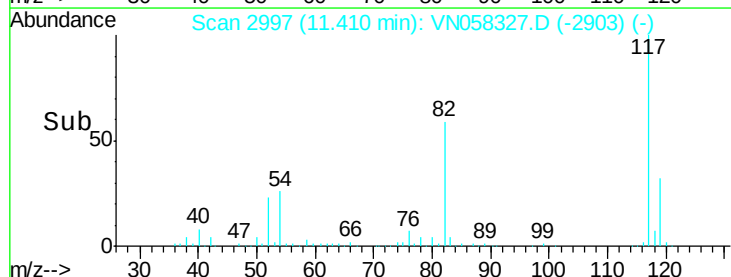
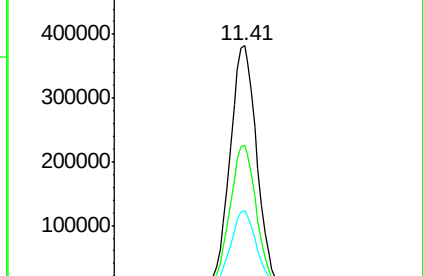
119 32.1 25.3 37.9

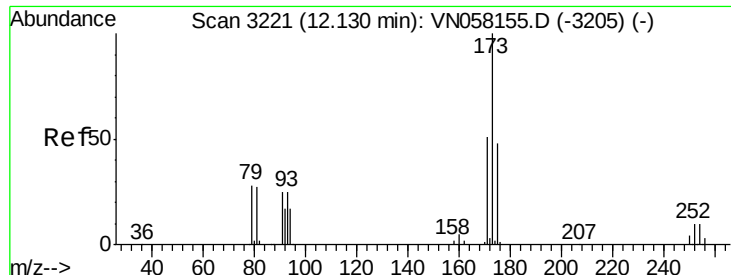


Abundance Ion 116.90 (116.60 to 117.60): VN058155.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN058155.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN058155.D (-2980) (-)





#71

Bromoform

Concen: 3.680 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

Instrument :

MSVOA_N

ClientSampled :

I.BLK

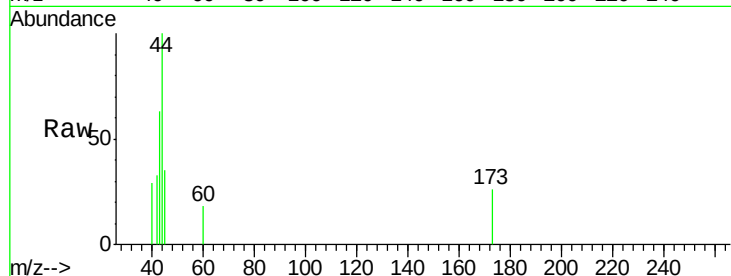
Tot Ion:173 Resp: 290

Ion Ratio Lower Upper

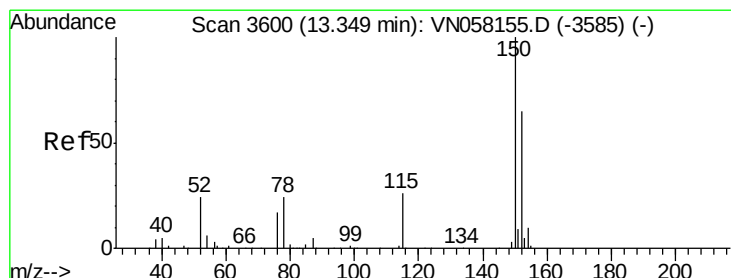
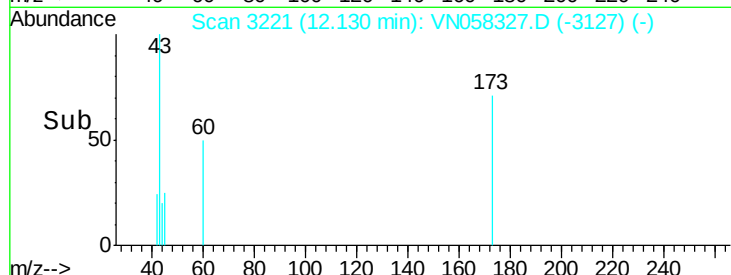
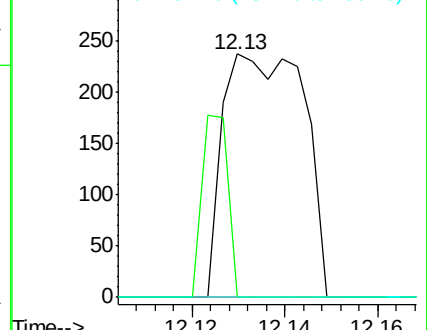
173 100

175 0.0 24.2 72.6#

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: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

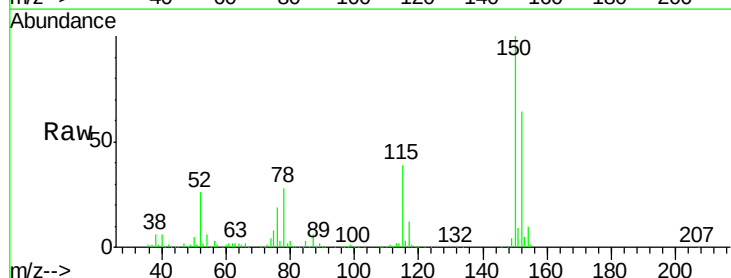
Tgt Ion:152 Resp: 282534

Ion Ratio Lower Upper

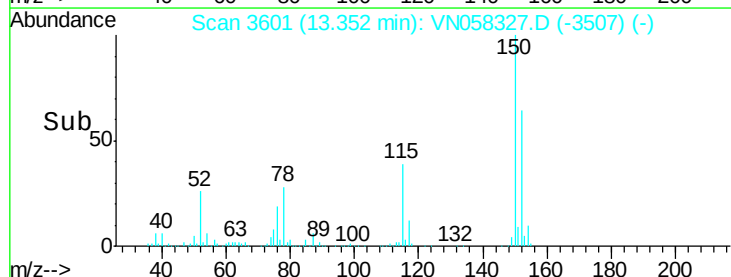
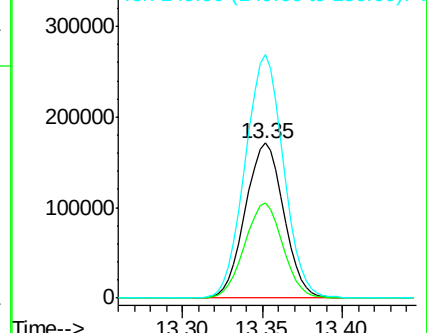
152 100

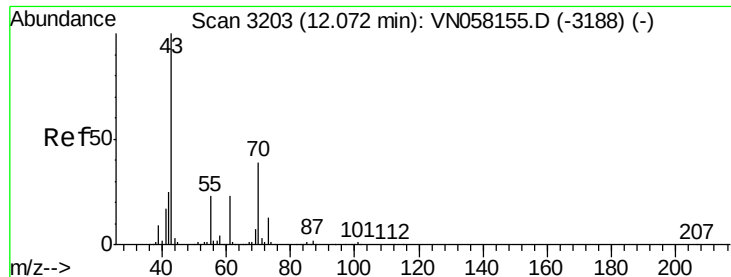
115 60.9 30.1 90.3

150 156.0 0.0 346.4



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





#74

N-amvl acetate

Concen: 0.498 ug/l

RT: 12.08 min Scan# 3206

Delta R.T. 0.01 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

Instrument :

MSVOA_N

ClientSampled :

I.BLK

Tot Ion: 43 Resp: 3682

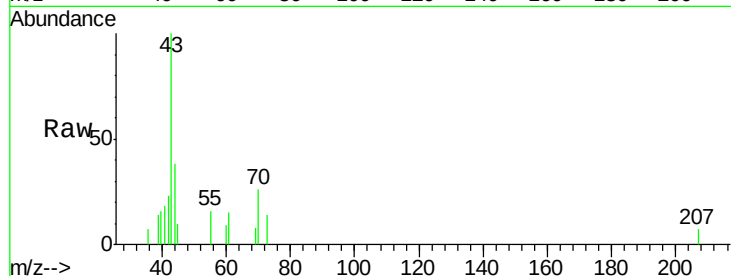
Ion Ratio Lower Upper

43 100

70 24.9 31.0 46.6#

55 0.0 18.5 27.7#

61 16.1 18.2 27.2#

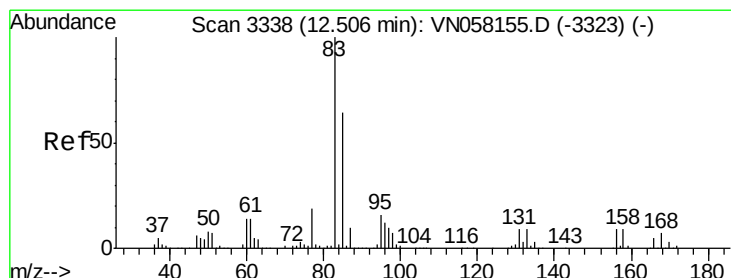
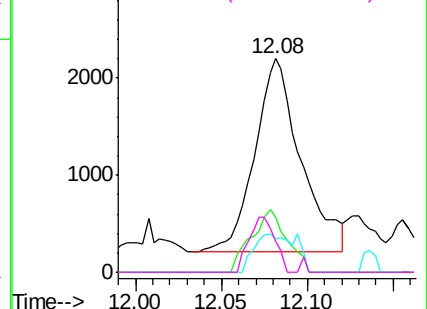
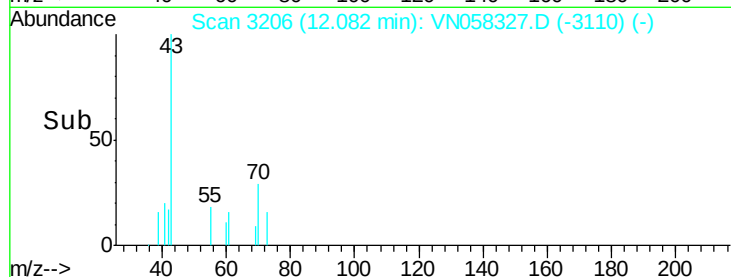


Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 70.00 (69.70 to 70.70): VNC

Ion 55.00 (54.70 to 55.70): VNC

Ion 61.00 (60.70 to 61.70): VNC



#75

1,1,2,2-Tetrachloroethane

Concen: 0.276 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

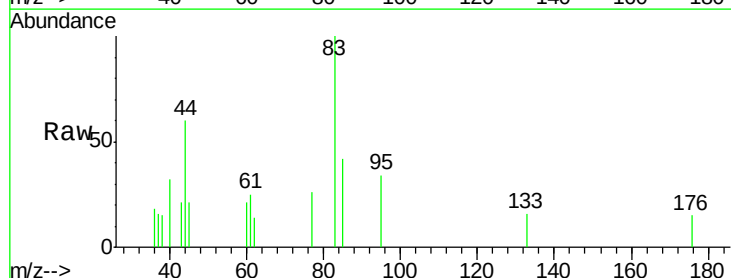
Tgt Ion: 83 Resp: 1635

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

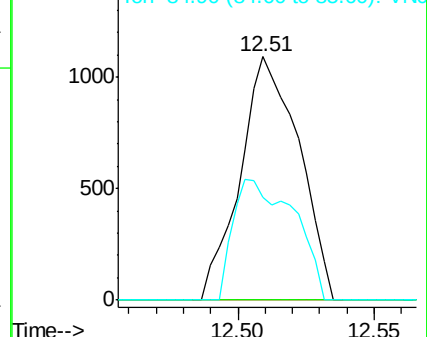
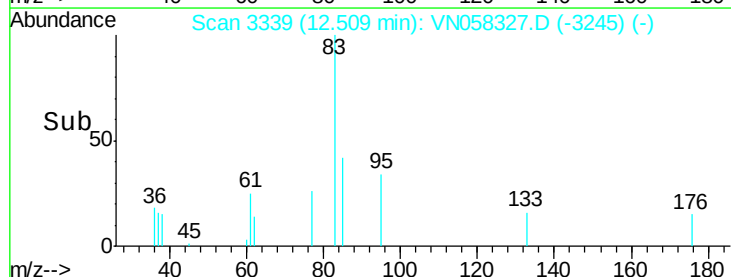
85 51.7 31.9 95.5

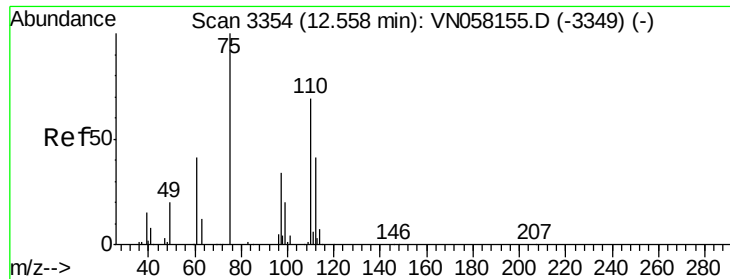


Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VNC





#76

1,2,3-Trichloropropane

Concen: 35.638 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

Instrument :

MSVOA_N

ClientSampled :

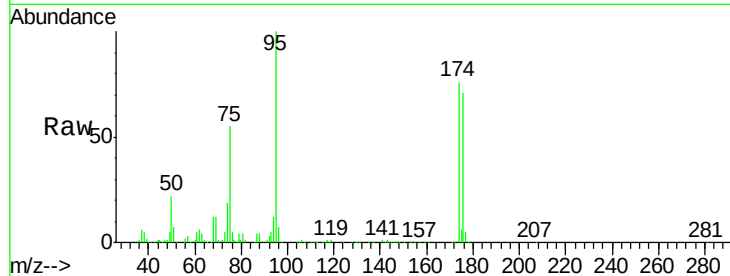
I.BLK

Tot Ion: 75 Resp: 180204

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.41

120000

100000

80000

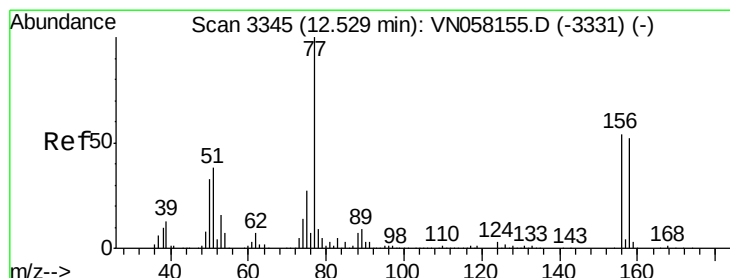
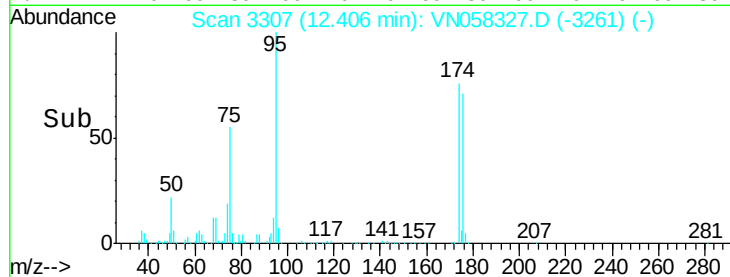
60000

40000

20000

0

Time-->



#77

Bromobenzene

Concen: 0.247 ug/l

RT: 12.53 min Scan# 3347

Delta R.T. 0.01 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

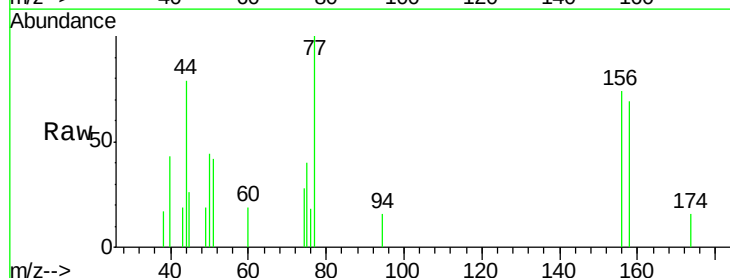
Tgt Ion: 156 Resp: 1100

Ion Ratio Lower Upper

156 100

77 223.2 111.7 335.1

158 92.4 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

2000

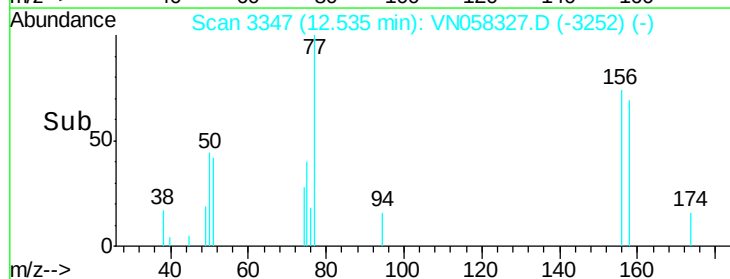
1500

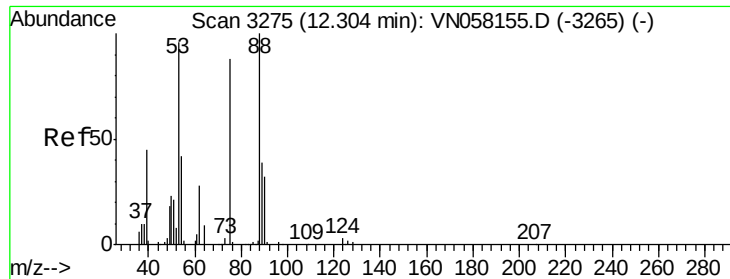
1000

500

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 99.587 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

Instrument :

MSVOA_N

ClientSampled :

I.BLK

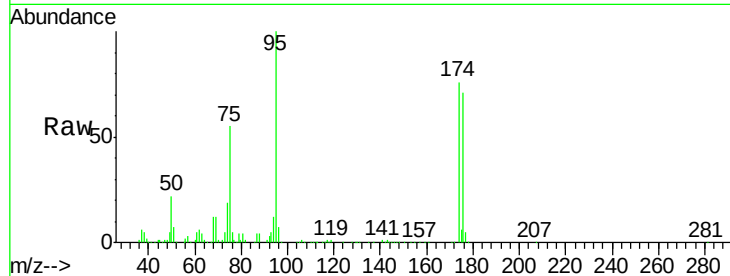
Tot Ion: 75 Resp: 180204

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

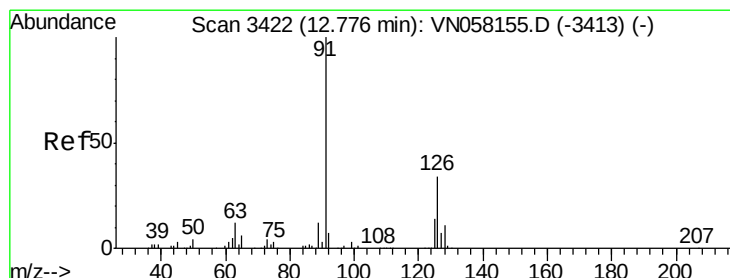
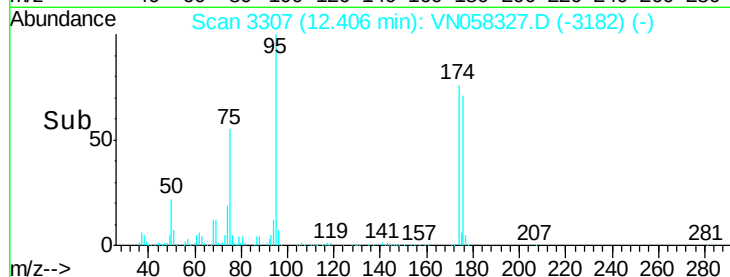
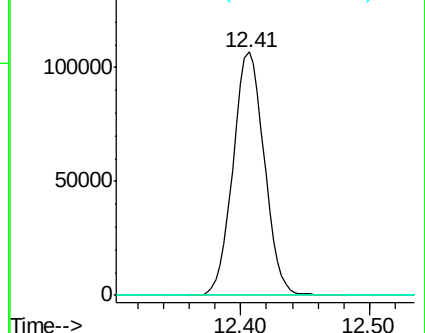
89 0.0 36.2 54.2#



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



#82

4-Chlorotoluene

Concen: 0.294 ug/l

RT: 12.78 min Scan# 3424

Delta R.T. 0.01 min

Lab File: VN058327.D

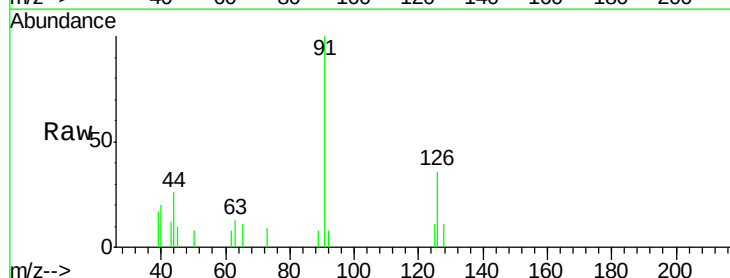
Acq: 24 Sep 2019 5:12

Tgt Ion: 91 Resp: 3884

Ion Ratio Lower Upper

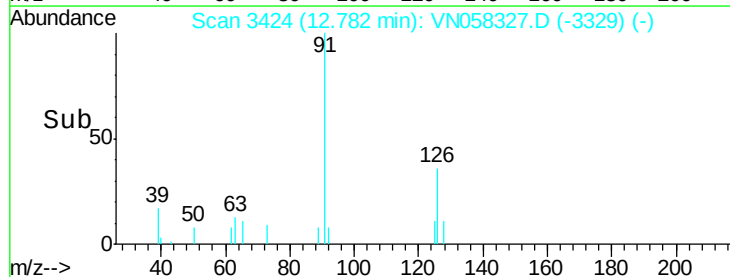
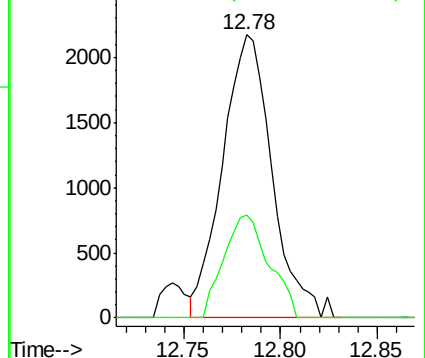
91 100

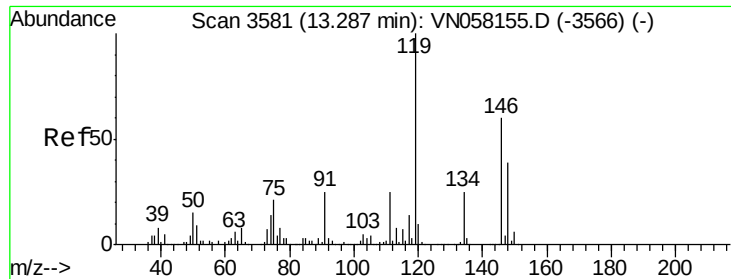
126 32.9 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

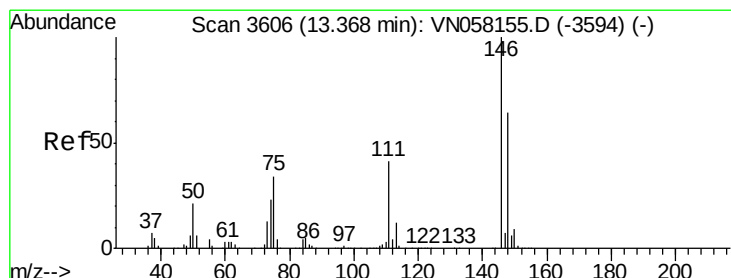
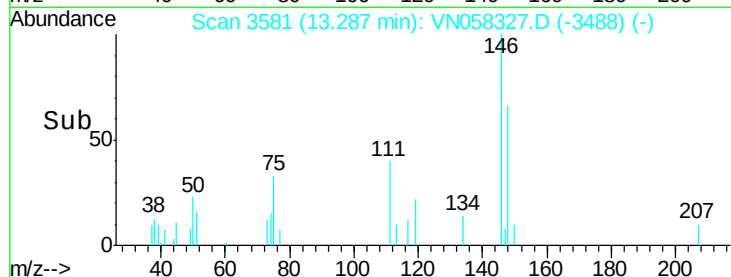
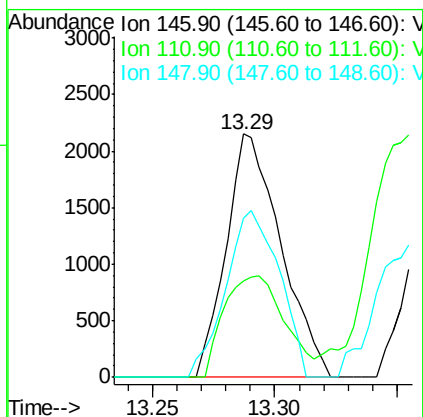
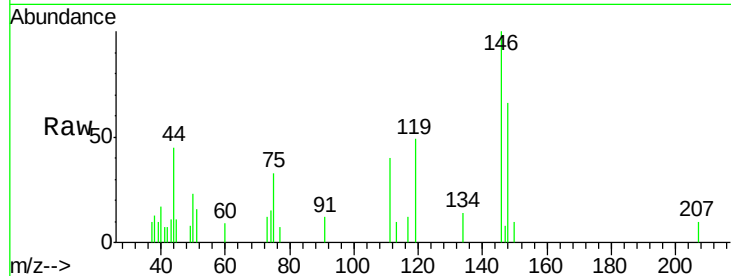




#87
 1,3-Dichlorobenzene
 Concen: 0.413 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058327.D
 Acq: 24 Sep 2019 5:12

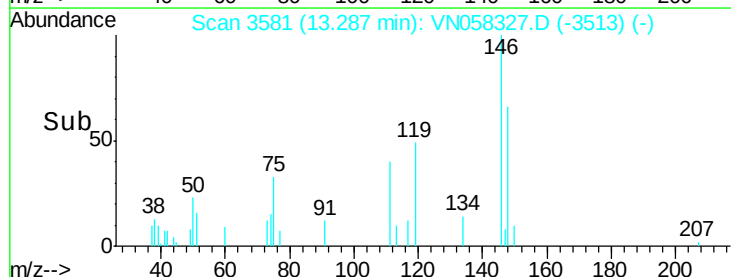
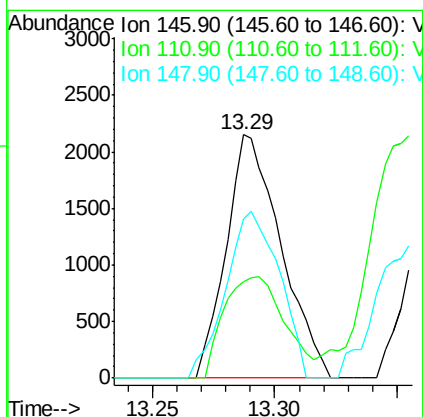
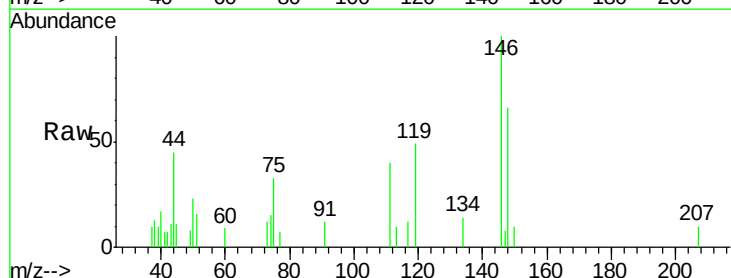
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

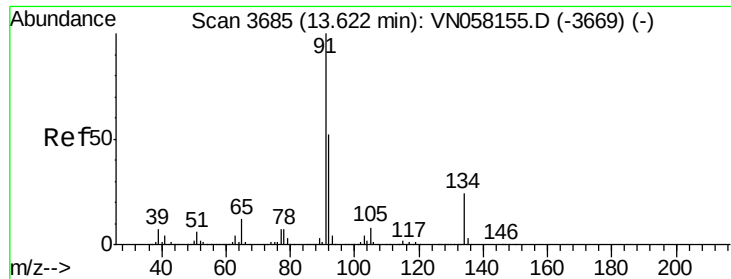
Tot Ion:146 Resp: 3354
 Ion Ratio Lower Upper
 146 100
 111 46.5 20.9 62.8
 148 67.0 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 0.404 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.08 min
 Lab File: VN058327.D
 Acq: 24 Sep 2019 5:12

Tgt Ion:146 Resp: 3354
 Ion Ratio Lower Upper
 146 100
 111 46.5 20.5 61.5
 148 67.0 31.9 95.5





#89

n-Butylbenzene

Concen: 0.421 ug/l

RT: 13.62 min Scan# 3686

Delta R.T. 0.00 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

Instrument :

MSVOA_N

ClientSampled :

I.BLK

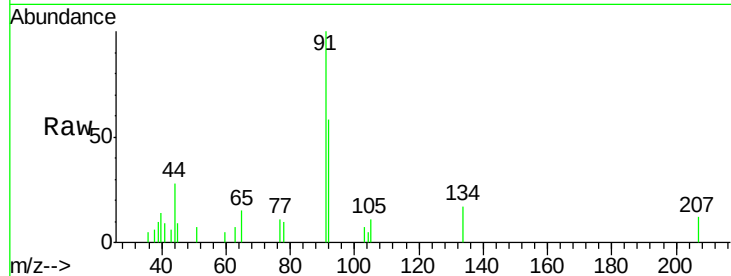
Tot Ion: 91 Resp: 6190

Ion Ratio Lower Upper

91 100

92 53.2 25.7 77.0

134 20.7 11.8 35.4

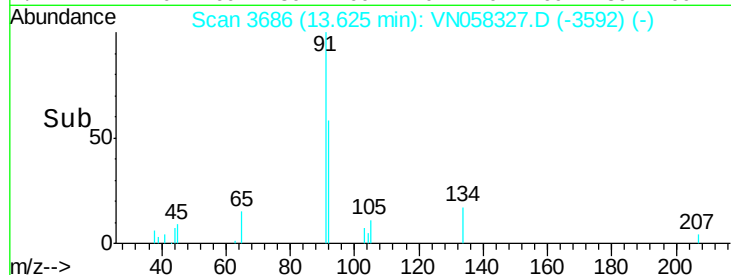


Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN058155.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN058155.D (-3669) (-)

Time-->

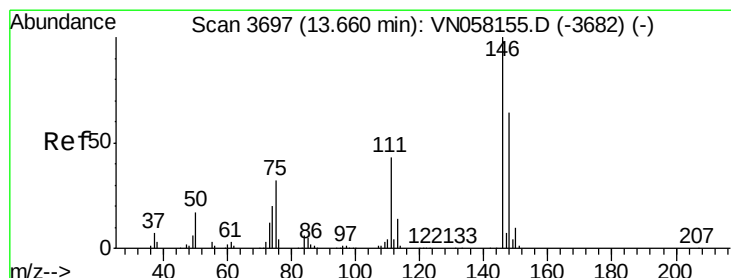


Abundance Ion 91.00 (90.70 to 91.70): VN058327.D (-3592) (-)

Ion 92.00 (91.70 to 92.70): VN058327.D (-3592) (-)

Ion 134.00 (133.70 to 134.70): VN058327.D (-3592) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 0.432 ug/l

RT: 13.66 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

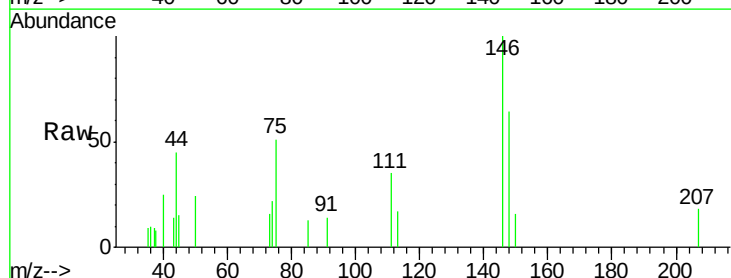
Tgt Ion: 146 Resp: 3524

Ion Ratio Lower Upper

146 100

111 44.1 21.1 63.1

148 60.1 31.8 95.4

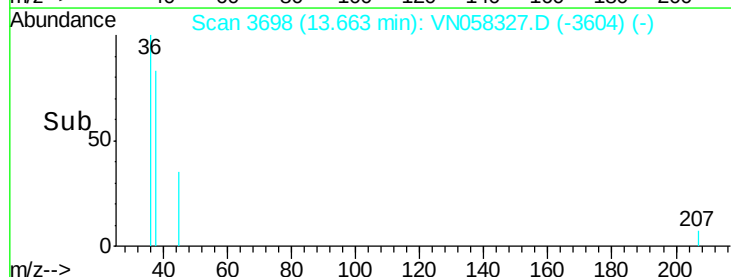


Abundance Ion 145.90 (145.60 to 146.60): VN058155.D (-3682) (-)

Ion 110.90 (110.60 to 111.60): VN058155.D (-3682) (-)

Ion 147.90 (147.60 to 148.60): VN058155.D (-3682) (-)

Time-->

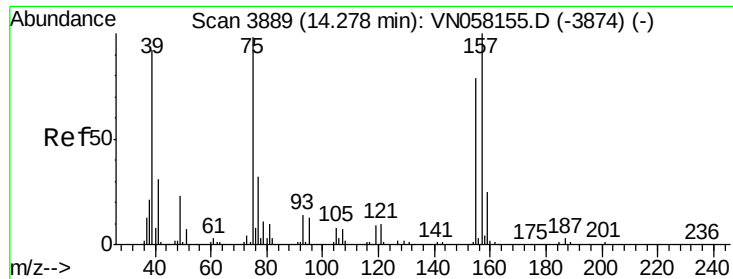


Abundance Ion 145.90 (145.60 to 146.60): VN058327.D (-3604) (-)

Ion 110.90 (110.60 to 111.60): VN058327.D (-3604) (-)

Ion 147.90 (147.60 to 148.60): VN058327.D (-3604) (-)

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.784 ug/l

RT: 14.28 min Scan# 3890

Delta R.T. 0.00 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

Instrument :

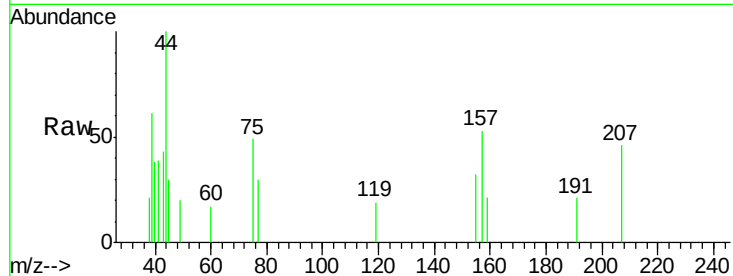
MSVOA_N

ClientSampleId :

I.BLK

Tot Ion: 75 Resp: 836

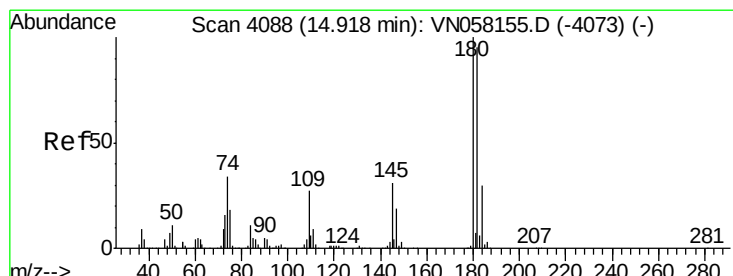
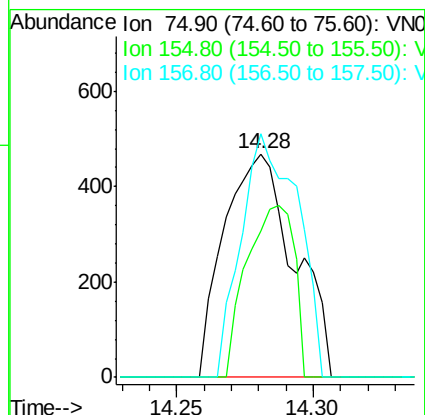
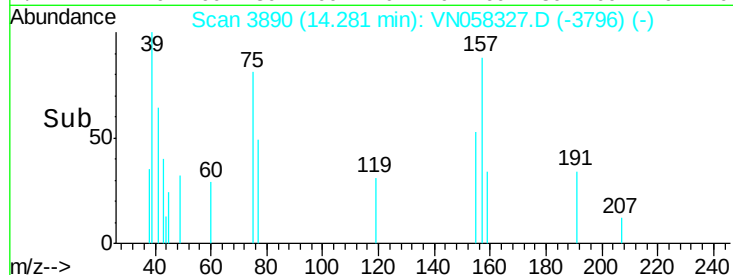
Ion	Ratio	Lower	Upper
75	100		
155	52.0	38.3	114.8
157	88.3	48.0	144.0



Abundance Ion 74.90 (74.60 to 75.60): VN058327.D (-3796) (-)

Ion 154.80 (154.50 to 155.50): VN058327.D (-3796) (-)

Ion 156.80 (156.50 to 157.50): VN058327.D (-3796) (-)



#93

1,2,4-Trichlorobenzene

Concen: 1.460 ug/l

RT: 14.92 min Scan# 4089

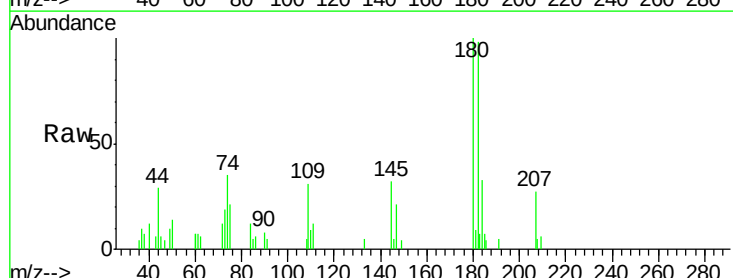
Delta R.T. 0.00 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

Tgt Ion: 180 Resp: 7604

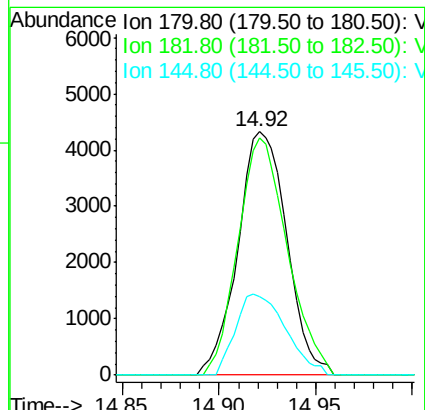
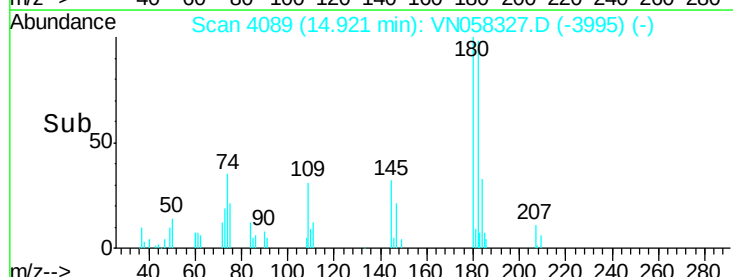
Ion	Ratio	Lower	Upper
180	100		
182	98.2	47.8	143.3
145	34.0	15.4	46.4

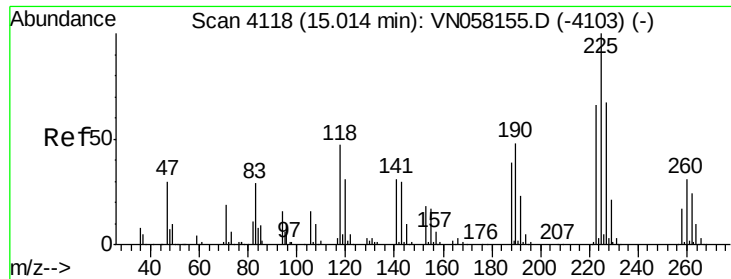


Abundance Ion 179.80 (179.50 to 180.50): VN058327.D (-3995) (-)

Ion 181.80 (181.50 to 182.50): VN058327.D (-3995) (-)

Ion 144.80 (144.50 to 145.50): VN058327.D (-3995) (-)





#94

Hexachlorobutadiene

Concen: 0.646 ug/l

RT: 15.02 min Scan# 4120

Delta R.T. 0.01 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

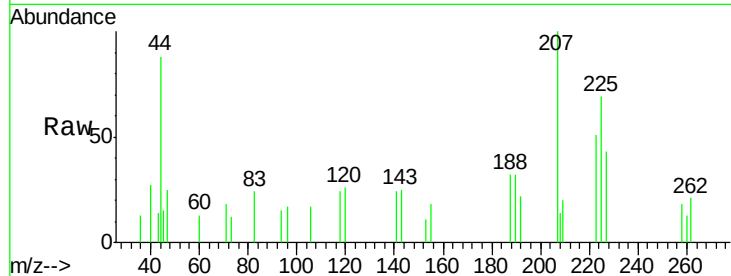
Tot Ion:225 Resp: 1626

Ion Ratio Lower Upper

225 100

223 46.7 32.6 97.7

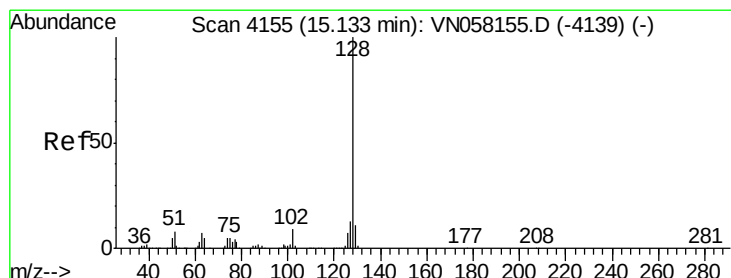
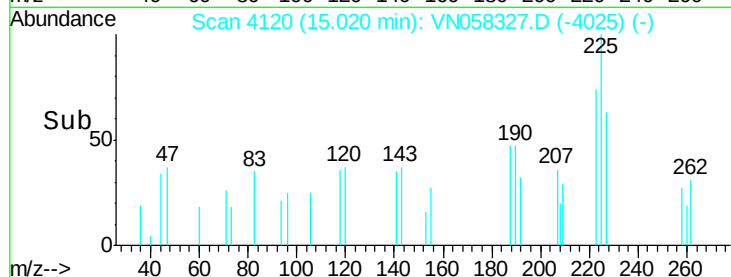
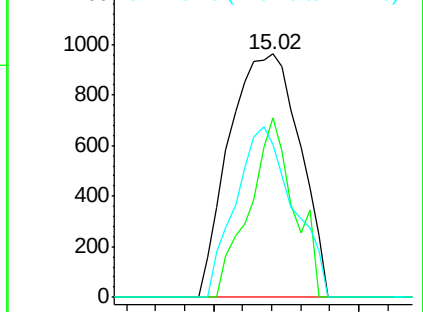
227 57.7 33.0 99.0



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



#95

Naphthalene

Concen: 3.053 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

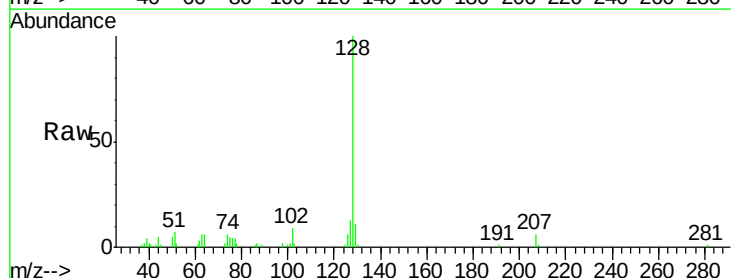
Tgt Ion:128 Resp: 41201

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

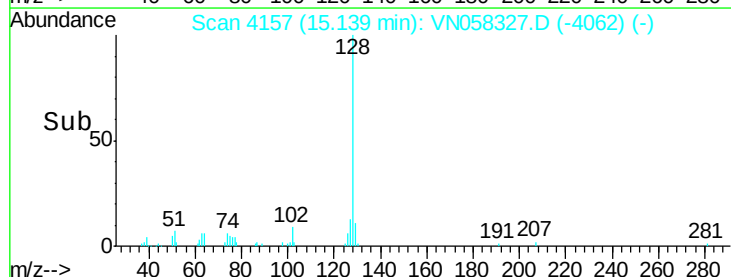
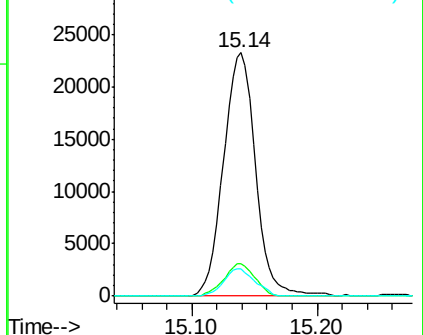
129 10.8 8.6 12.8

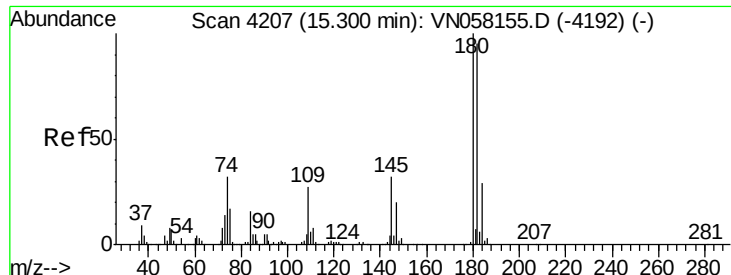


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 2.110 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058327.D

Acq: 24 Sep 2019 5:12

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

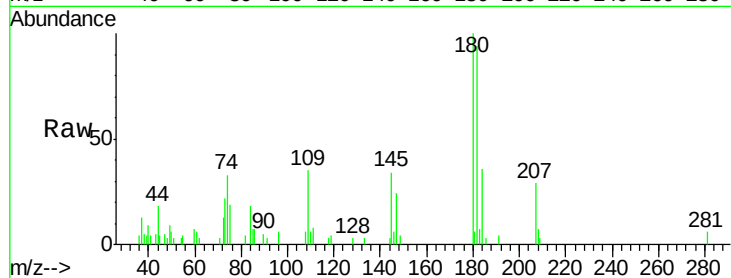
Tot Ion:180 Resp: 10384

Ion Ratio Lower Upper

180 100

182 93.4 47.4 142.2

145 33.9 16.1 48.2



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

