

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092419\
 Data File : VN058341.D
 Acq On : 24 Sep 2019 11:59
 Operator : JC/SP
 Sample : I.BLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Quant Time: Sep 25 01:42:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:36:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	91604	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	533377	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	456668	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	244023	30.13	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.43%
60) 4-Bromofluorobenzene	12.41	95	216719	27.43	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.43%
63) Toluene-d8	10.08	98	664014	30.47	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.57%

Target Compounds

					Qvalue
3) Chloromethane	2.04	50	2000	0.314 ug/l #	70
4) Vinyl Chloride	2.17	62	1345	0.212 ug/l #	84
5) Bromomethane	2.55	94	2854	0.828 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	1071	0.208 ug/l	69
14) Acrylonitrile	4.97	53	849	0.307 ug/l #	41
15) Acetone	3.80	58	190	0.248 ug/l #	1
16) Carbon Disulfide	4.03	76	18577	1.329 ug/l	97
18) Methylene Chloride	4.53	84	1308	0.220 ug/l #	91
22) cis-1,2-Dichloroethene	6.81	96	1347	0.206 ug/l #	52
29) 1,1-Dichloropropene	7.78	75	2412	0.277 ug/l	75
37) Trichloroethene	8.82	130	2217	0.359 ug/l #	72
40) Dibromomethane	9.20	93	872	0.205 ug/l	66
45) 1,4-Dioxane	9.19	88	638	5.382 ug/l #	75
47) n-amyl Acetate	12.08	43	7412	0.606 ug/l #	81
48) t-1,3-Dichloropropene	10.38	75	2399	0.261 ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	1146	0.288 ug/l #	82
56) Bromoform	12.13	173	987	0.262 ug/l #	87
58) 4-Methyl-2-Pentanone	9.98	43	7559	1.056 ug/l #	71
59) 2-Hexanone	10.75	43	13488	2.493 ug/l	98
61) Tetrachloroethene	10.63	164	1889	0.395 ug/l	87
64) Chlorobenzene	11.44	112	4755	0.309 ug/l #	80
67) m/p-Xylenes	11.63	106	4741	0.453 ug/l	96
70) Isopropylbenzene	12.26	105	6254	0.237 ug/l	95
71) 1,1,2,2-Tetrachloroethane	12.51	83	2926	0.349 ug/l	92
72) 1,2,3-Trichloropropane	12.56	75	4368	0.606 ug/l	1
73) Bromobenzene	12.53	156	2489	0.389 ug/l	83
74) n-propylbenzene	12.60	91	11575	0.381 ug/l	74
75) 2-Chlorotoluene	12.68	91	5192	0.273 ug/l	95
76) 1,3,5-Trimethylbenzene	12.74	105	5828	0.257 ug/l	98
78) 4-Chlorotoluene	12.78	91	9062	0.465 ug/l	98
80) 1,2,4-Trimethylbenzene	13.05	105	7437	0.328 ug/l	94
81) sec-Butylbenzene	13.18	105	8546	0.331 ug/l	98
82) p-Isopropyltoluene	13.30	119	8895	0.383 ug/l	98
83) 1,3-Dichlorobenzene	13.29	146	7831	0.664 ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	8704	0.742 ug/l	97
85) n-Butylbenzene	13.63	91	16740	0.776 ug/l	97
87) 1,2-Dichlorobenzene	13.66	146	7356	0.639 ug/l	98

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I.BLK

Quant Time: Sep 25 01:42:57 2019
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 25 01:36:25 2019
Response via : Initial Calibration

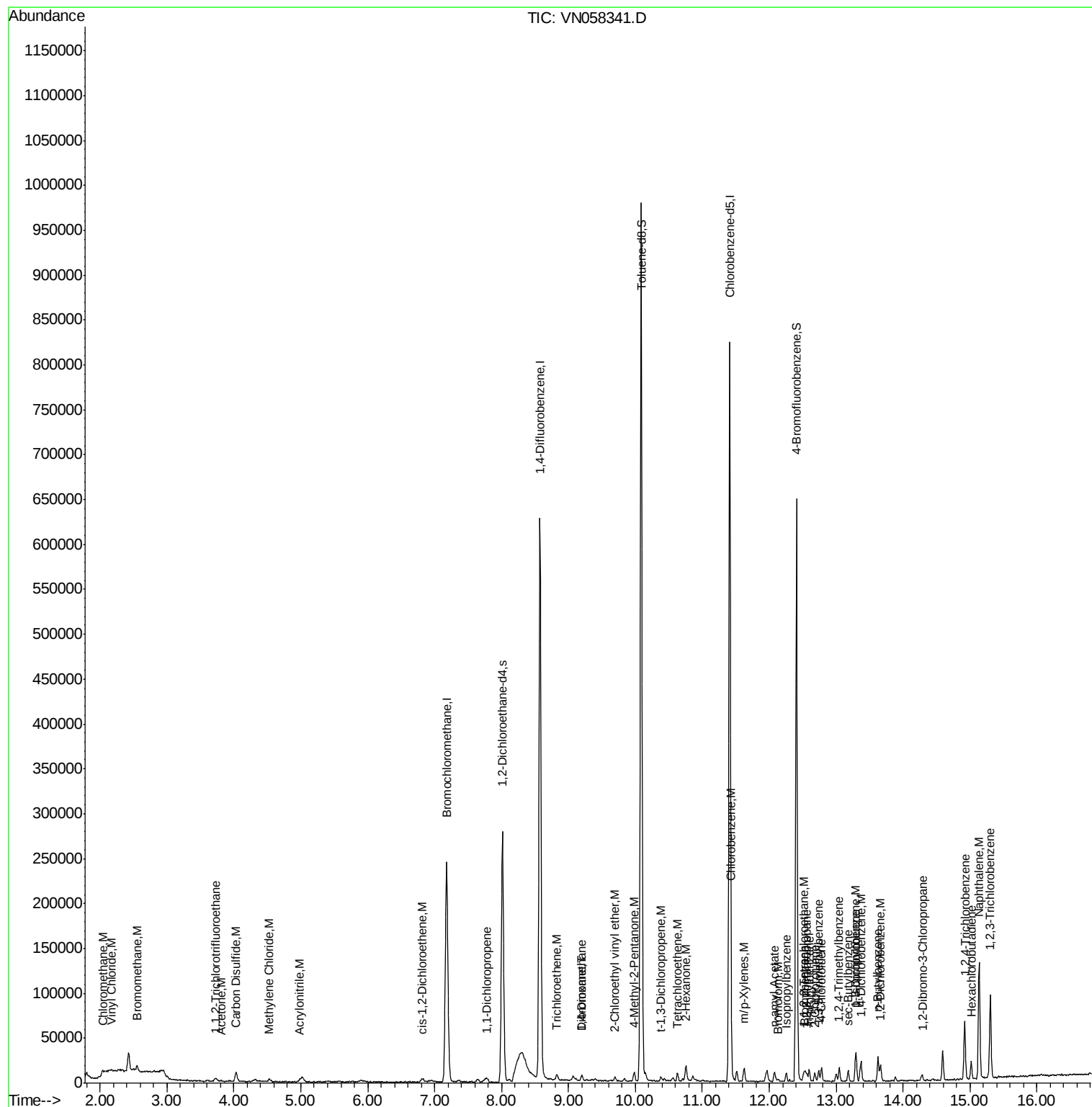
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) 1,2-Dibromo-3-Chloropropan	14.28	75	1451	0.887	ug/l #	78
89) 1,2,4-Trichlorobenzene	14.92	180	19682	2.617	ug/l	94
90) Hexachlorobutadiene	15.02	225	3525	0.969	ug/l	98
91) Naphthalene	15.14	128	101893	4.933	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	27982	3.874	ug/l	95

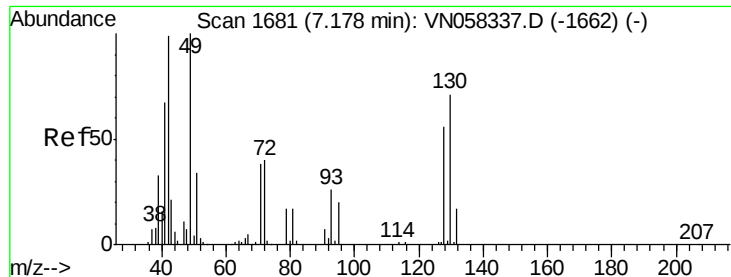
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058341.D

Acq: 24 Sep 2019 11:59

Instrument :

MSVOA_N

ClientSampled :

I.BLK

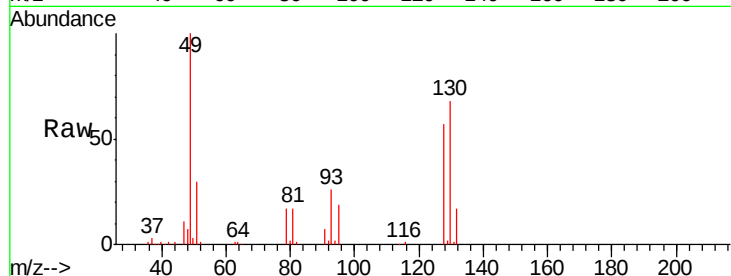
Tgt Ion:128 Resp: 91604

Ion Ratio Lower Upper

128 100

49 179.1 0.0 458.5

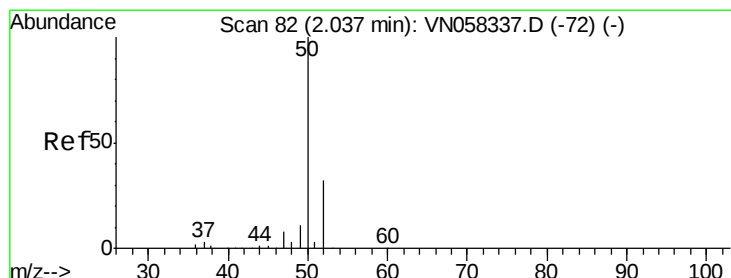
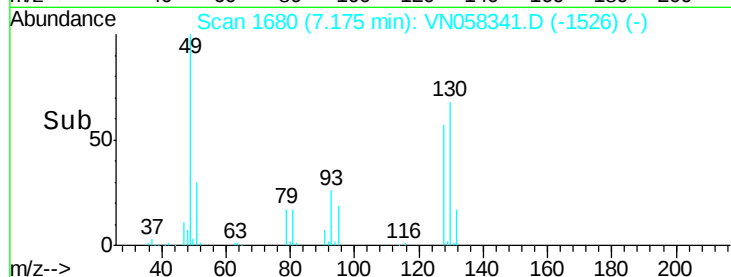
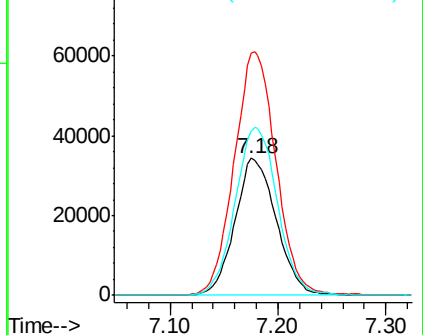
130 125.5 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#3

Chloromethane

Concen: 0.314 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058341.D

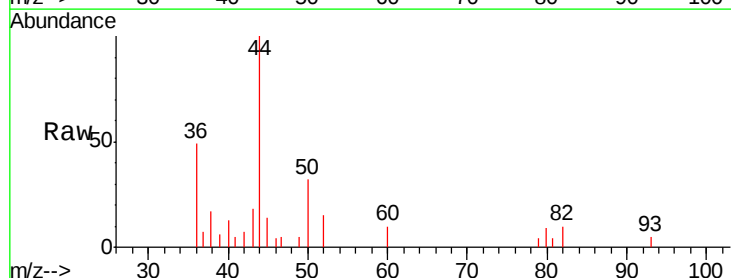
Acq: 24 Sep 2019 11:59

Tgt Ion: 50 Resp: 2000

Ion Ratio Lower Upper

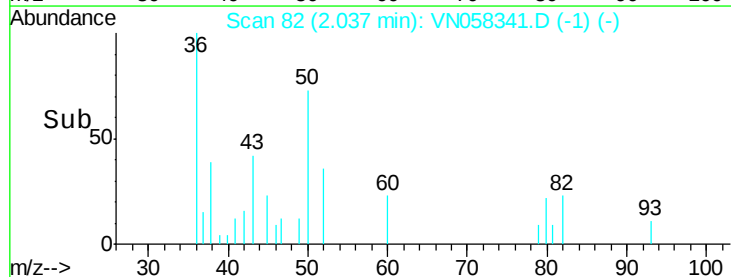
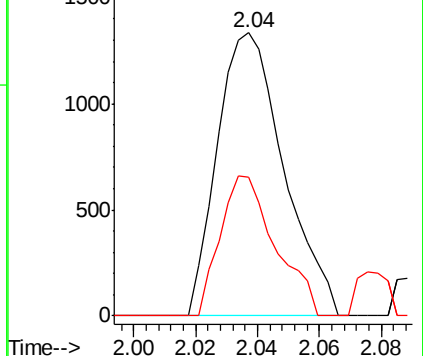
50 100

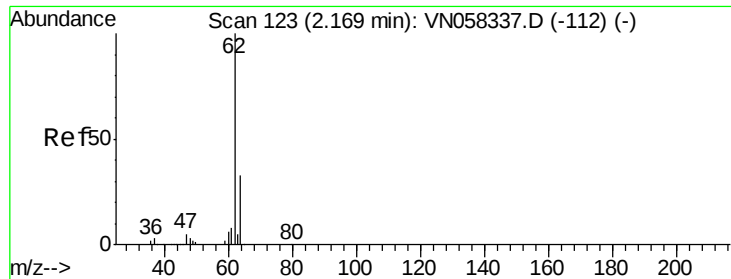
52 49.1 25.9 38.9#



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#4

Vinyl Chloride

Concen: 0.212 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN058341.D

Acq: 24 Sep 2019 11:59

Instrument :

MSVOA_N

ClientSampled :

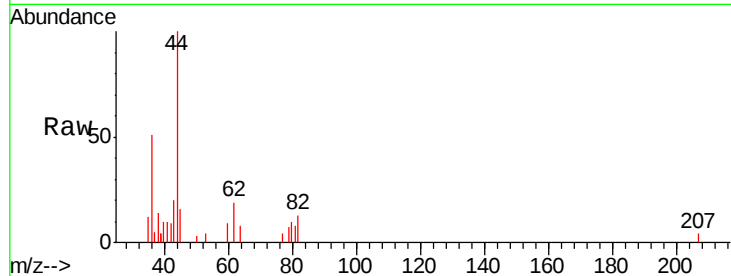
I.BLK

Tgt Ion: 62 Resp: 1345

Ion Ratio Lower Upper

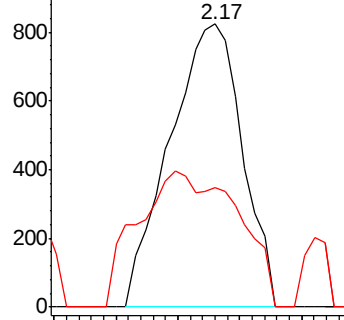
62 100

64 42.1 26.6 40.0#

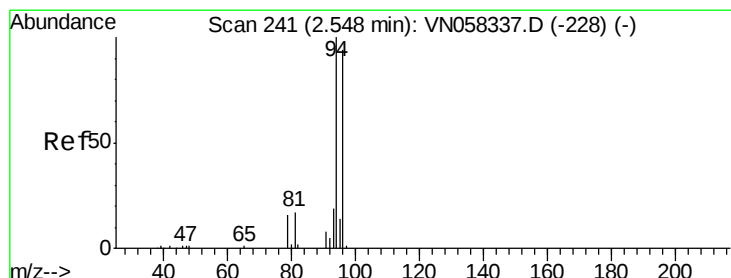
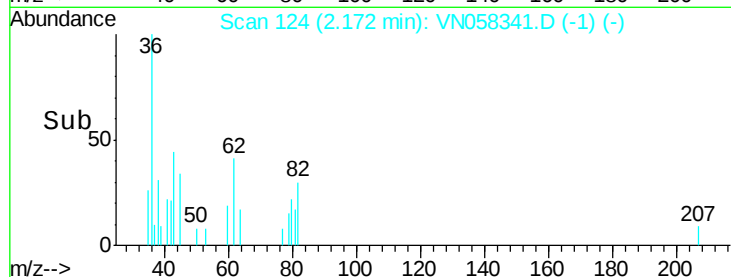


Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0



Time--> 2.12 2.14 2.16 2.18 2.20



#5

Bromomethane

Concen: 0.828 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.00 min

Lab File: VN058341.D

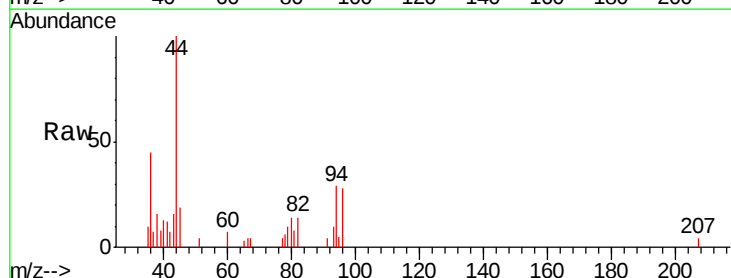
Acq: 24 Sep 2019 11:59

Tgt Ion: 94 Resp: 2854

Ion Ratio Lower Upper

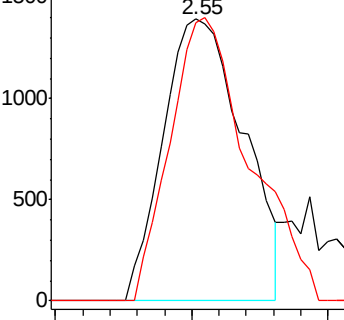
94 100

96 98.6 74.8 112.2

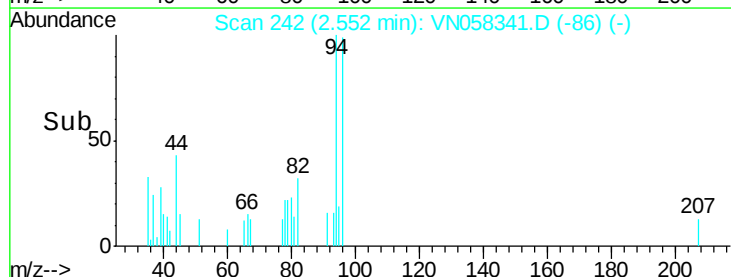


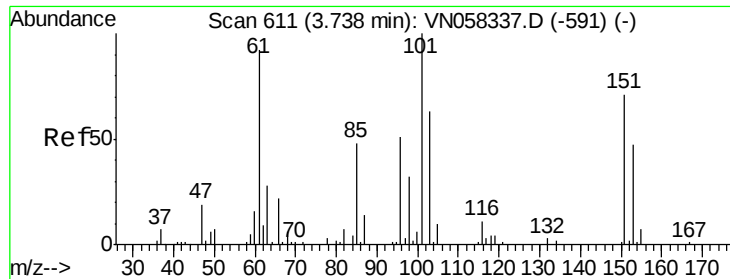
Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



Time--> 2.50 2.55 2.60





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.208 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058341.D

Acq: 24 Sep 2019 11:59

Instrument :

MSVOA_N

ClientSampled :

I.BLK

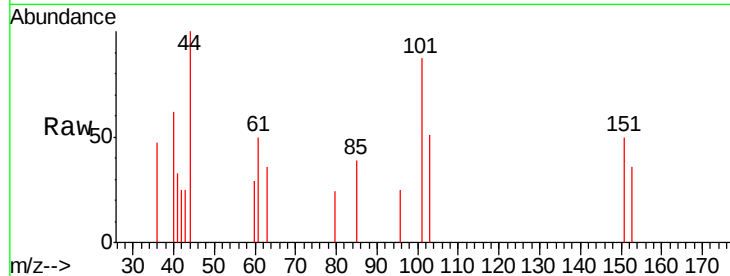
Tgt Ion: 101 Resp: 1071

Ion Ratio Lower Upper

101 100

85 26.8 0.0 93.0

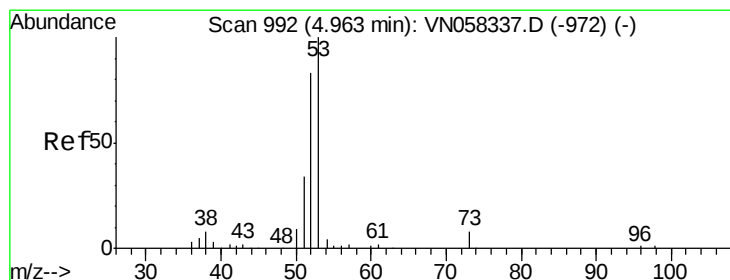
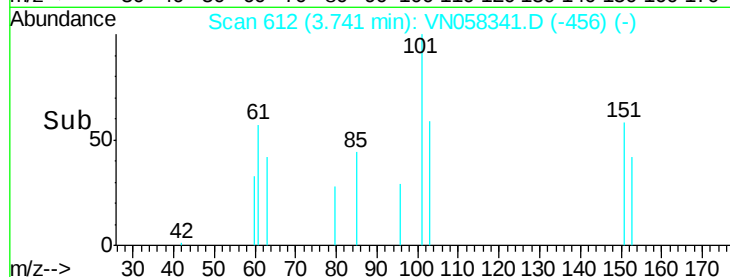
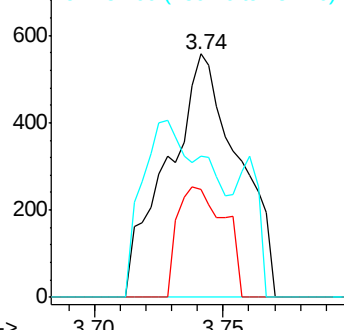
151 47.2 0.0 147.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#14

Acrylonitrile

Concen: 0.307 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.01 min

Lab File: VN058341.D

Acq: 24 Sep 2019 11:59

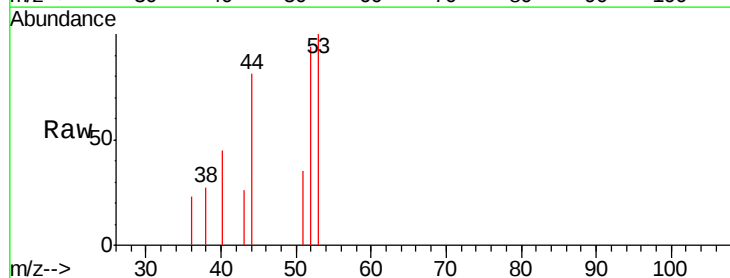
Tgt Ion: 53 Resp: 849

Ion Ratio Lower Upper

53 100

52 7.9 41.3 123.7#

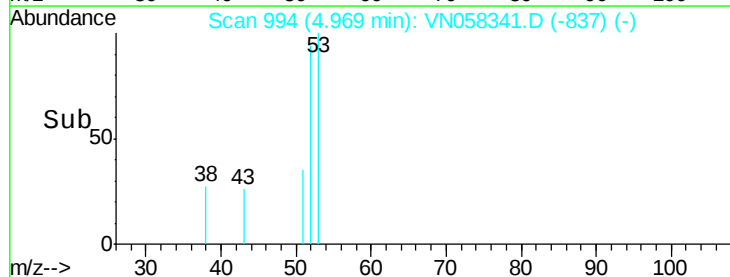
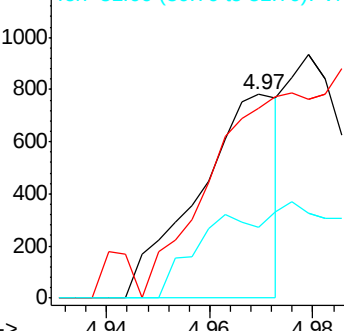
51 33.3 18.3 54.8

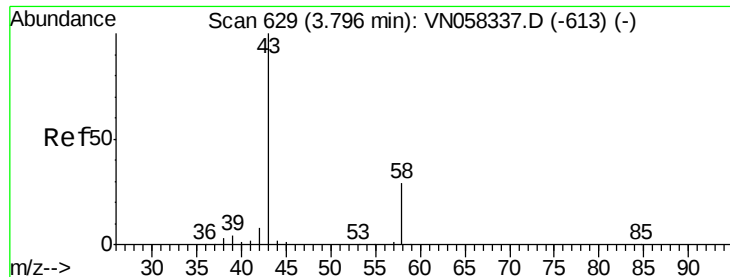


Abundance Ion 53.00 (52.70 to 53.70): VNO

Ion 52.00 (51.70 to 52.70): VNO

Ion 51.00 (50.70 to 51.70): VNO





#15

Acetone

Concen: 0.248 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058341.D

Acq: 24 Sep 2019 11:59

Instrument :

MSVOA_N

ClientSampled :

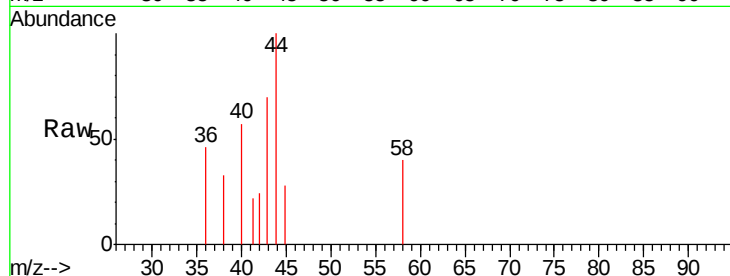
I.BLK

Tgt Ion: 58 Resp: 190

Ion Ratio Lower Upper

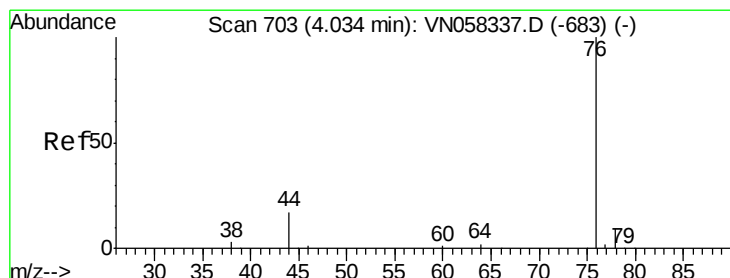
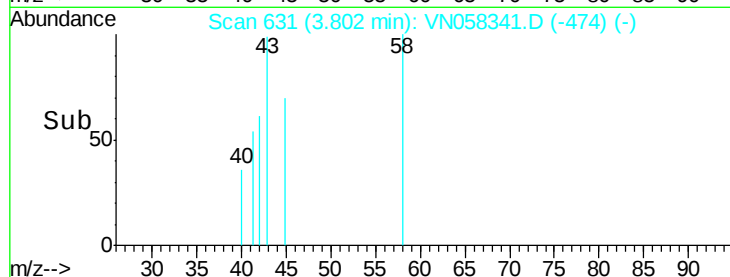
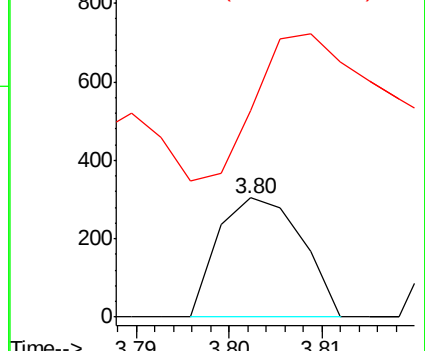
58 100

43 58.4 272.6 409.0#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 1.329 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.01 min

Lab File: VN058341.D

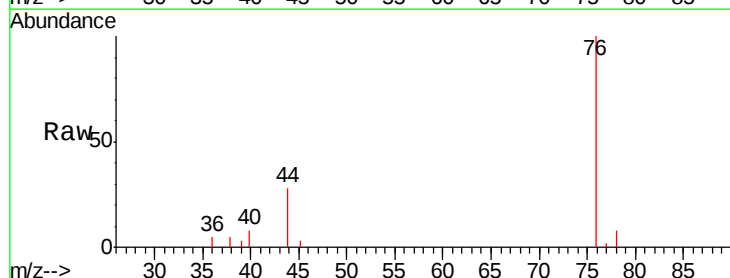
Acq: 24 Sep 2019 11:59

Tgt Ion: 76 Resp: 18577

Ion Ratio Lower Upper

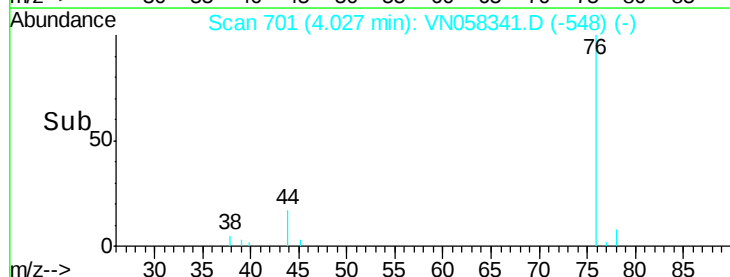
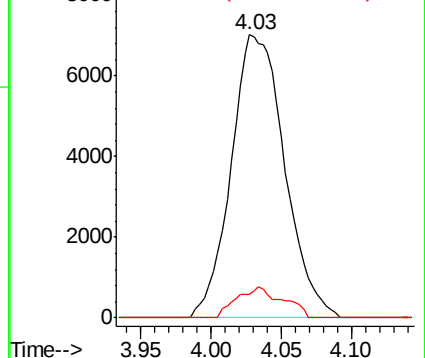
76 100

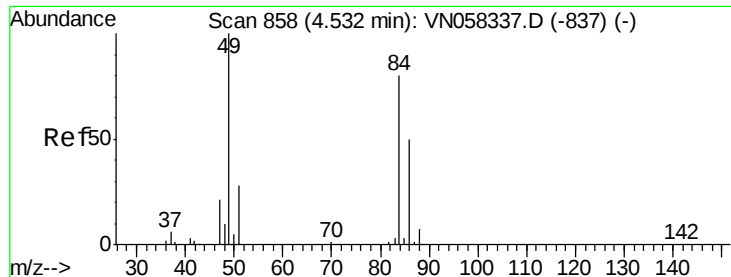
78 8.3 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

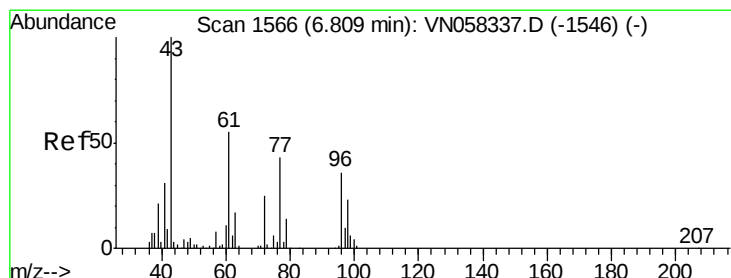
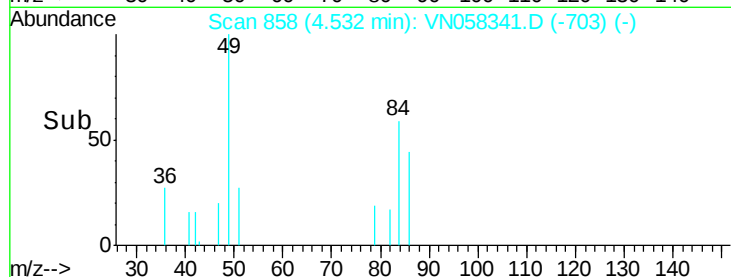
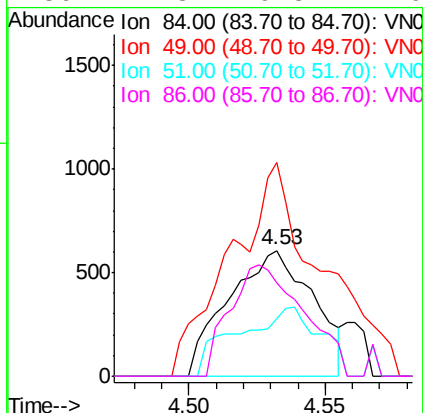
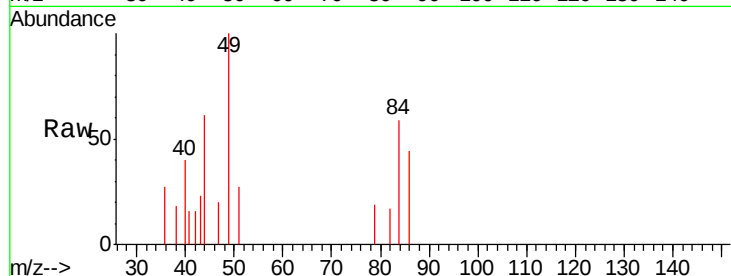




#18
Methylene Chloride
Concen: 0.220 ug/l
RT: 4.53 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN058341.D
Acq: 24 Sep 2019 11:59

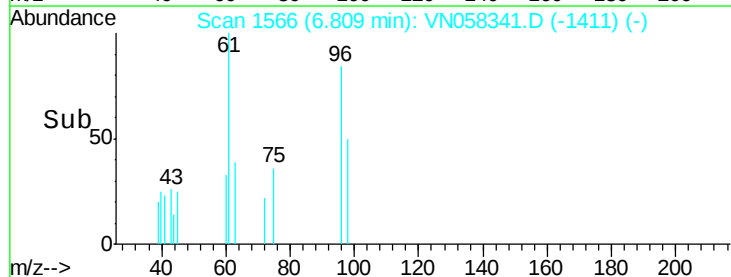
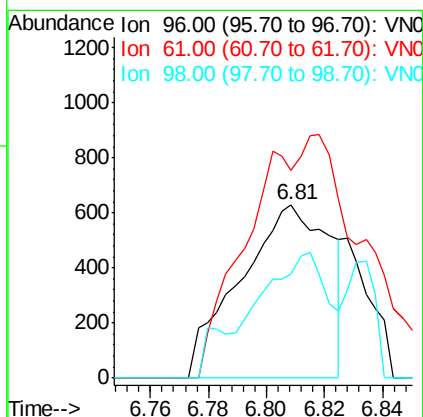
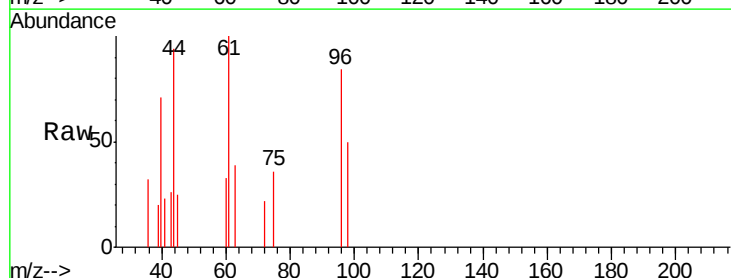
Instrument :
MSVOA_N
ClientSampled :
I.BLK

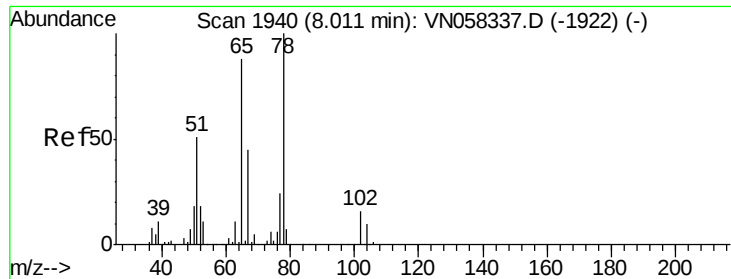
Tgt Ion: 84 Resp: 1308
Ion Ratio Lower Upper
84 100
49 127.6 99.8 149.6
51 45.4 28.3 42.5#
86 74.3 49.8 74.6



#22
cis-1,2-Dichloroethene
Concen: 0.206 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN058341.D
Acq: 24 Sep 2019 11:59

Tgt Ion: 96 Resp: 1347
Ion Ratio Lower Upper
96 100
61 76.4 128.2 192.2#
98 55.2 50.6 76.0

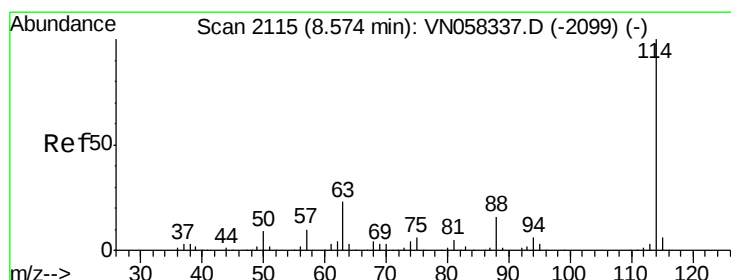
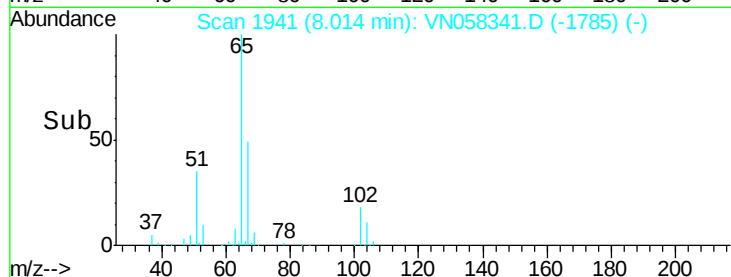
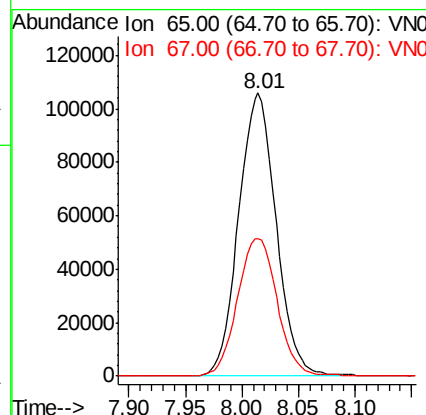
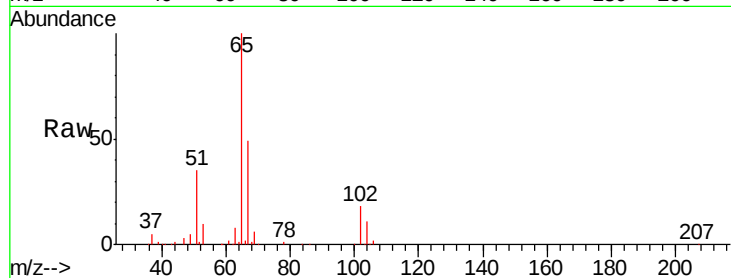




#27
 1,2-Dichloroethane-d4
 Concen: 30.135 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058341.D
 Acq: 24 Sep 2019 11:59

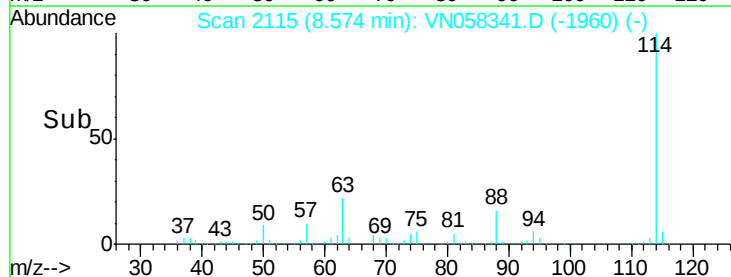
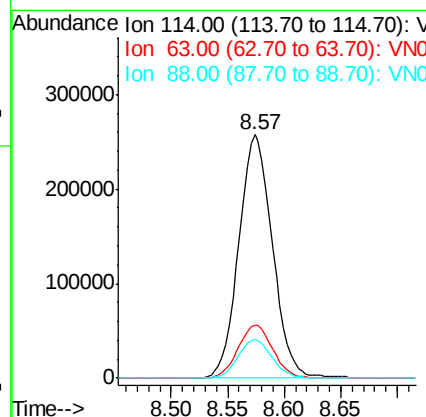
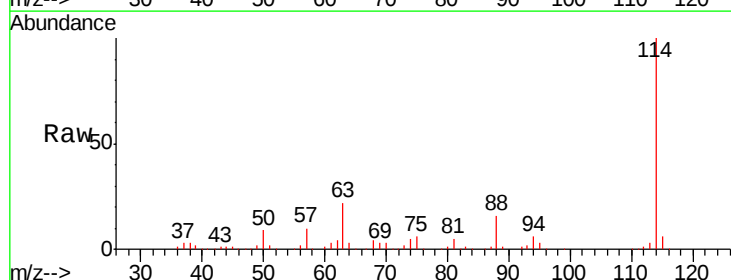
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

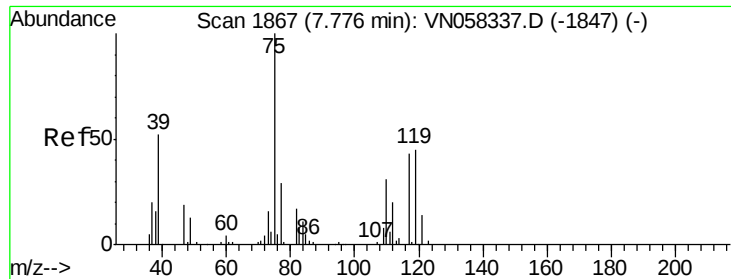
Tgt Ion: 65 Resp: 244023
 Ion Ratio Lower Upper
 65 100
 67 51.6 40.4 60.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058341.D
 Acq: 24 Sep 2019 11:59

Tgt Ion: 114 Resp: 533377
 Ion Ratio Lower Upper
 114 100
 63 22.3 17.8 26.8
 88 16.1 12.7 19.1

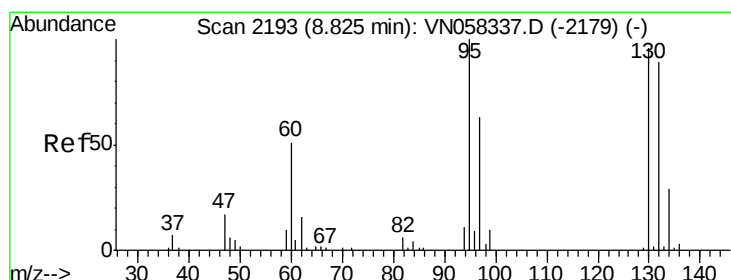
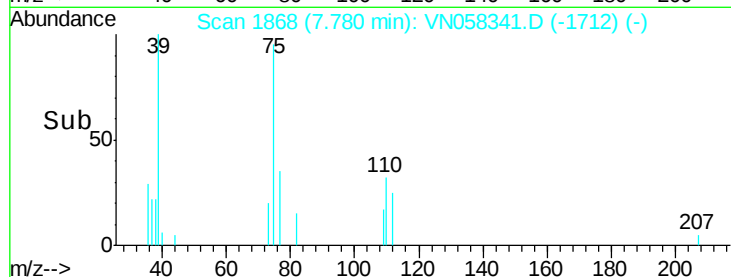
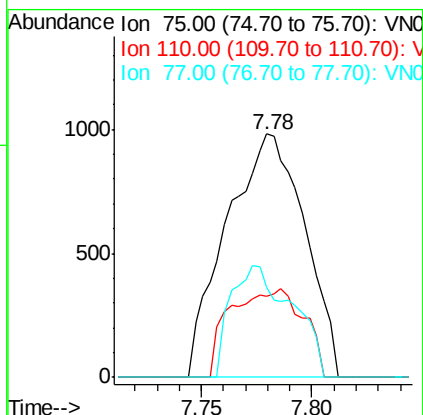
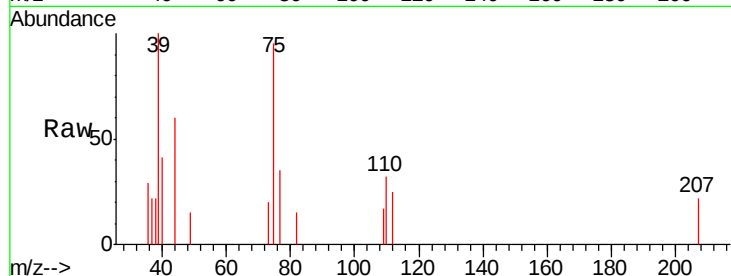




#29
 1,1-Dichloropropene
 Concen: 0.277 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058341.D
 Acq: 24 Sep 2019 11:59

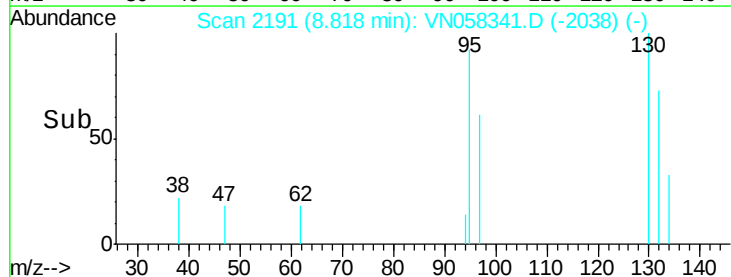
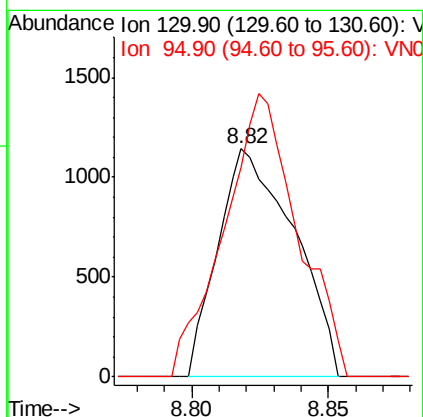
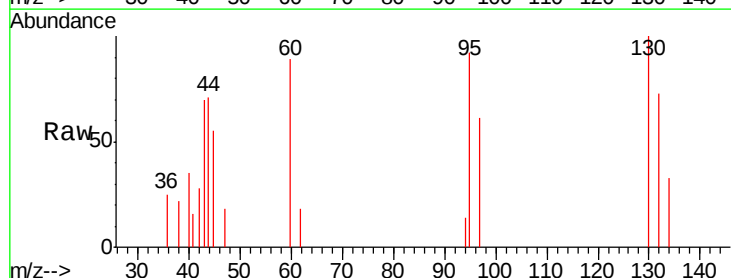
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

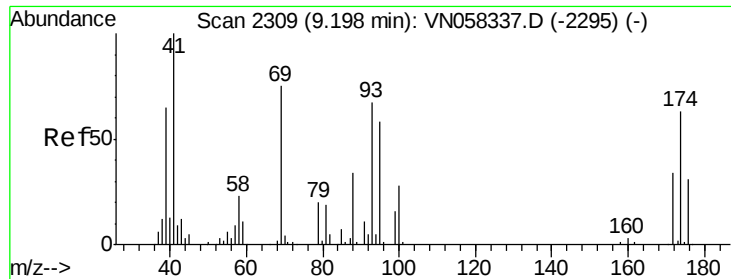
Tgt Ion: 75 Resp: 2412
 Ion Ratio Lower Upper
 75 100
 110 8.4 0.0 63.6
 77 26.0 0.0 59.4



#37
 Trichloroethene
 Concen: 0.359 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. -0.01 min
 Lab File: VN058341.D
 Acq: 24 Sep 2019 11:59

Tgt Ion: 130 Resp: 2217
 Ion Ratio Lower Upper
 130 100
 95 75.8 83.3 124.9#





#40

Dibromomethane

Concen: 0.205 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN058341.D

Acq: 24 Sep 2019 11:59

Instrument :

MSVOA_N

ClientSampled :

I.BLK

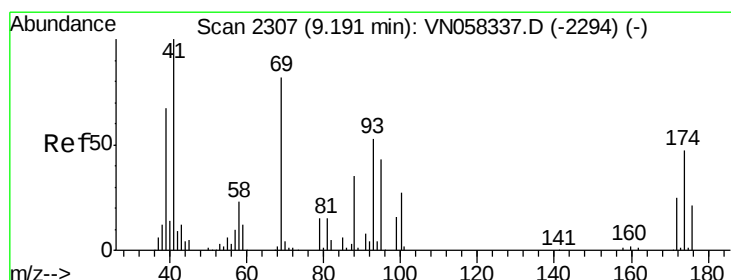
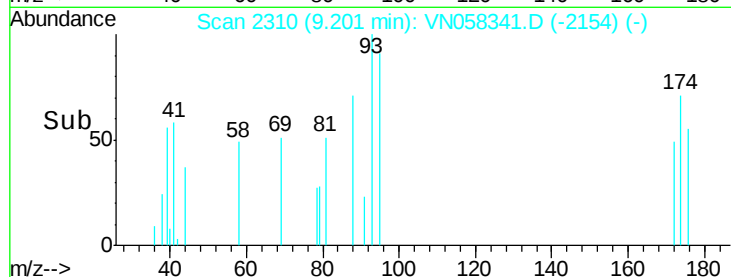
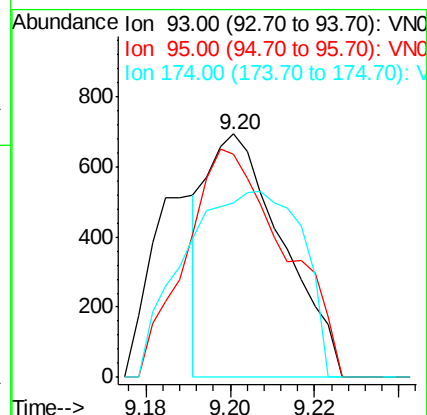
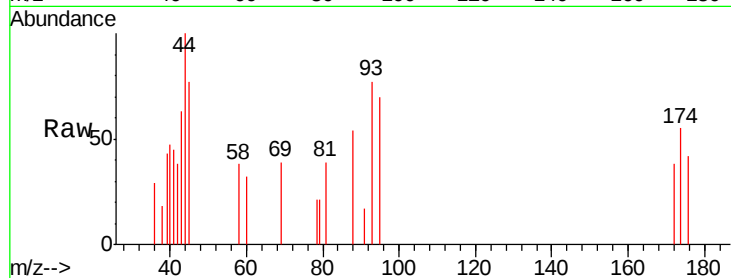
Tgt Ion: 93 Resp: 872

Ion Ratio Lower Upper

93 100

95 121.7 0.0 166.8

174 119.2 0.0 187.2



#45

1,4-Dioxane

Concen: 5.382 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058341.D

Acq: 24 Sep 2019 11:59

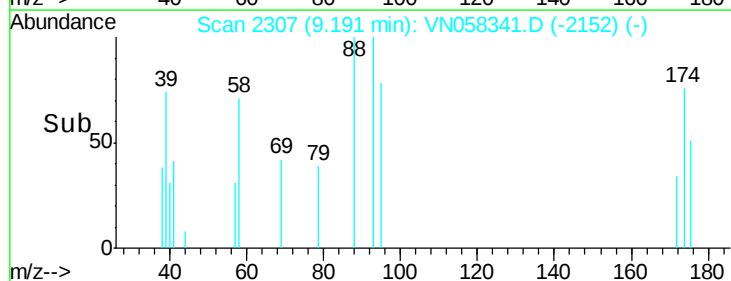
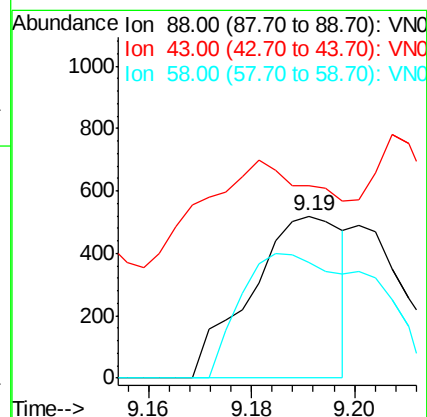
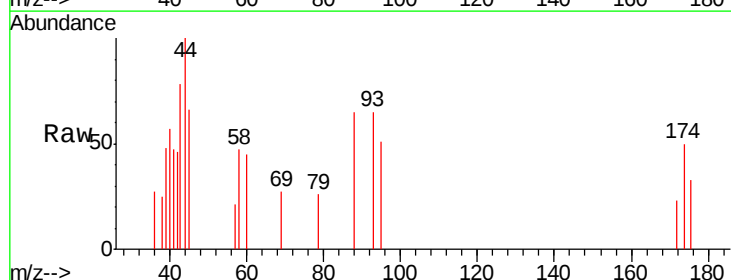
Tgt Ion: 88 Resp: 638

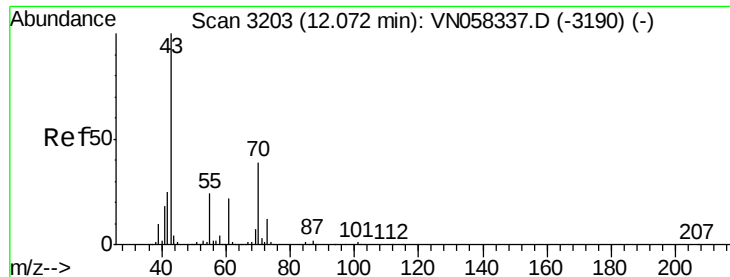
Ion Ratio Lower Upper

88 100

43 62.4 27.2 40.8#

58 79.8 55.4 83.0

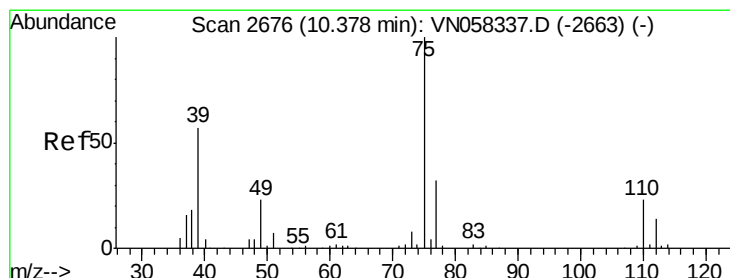
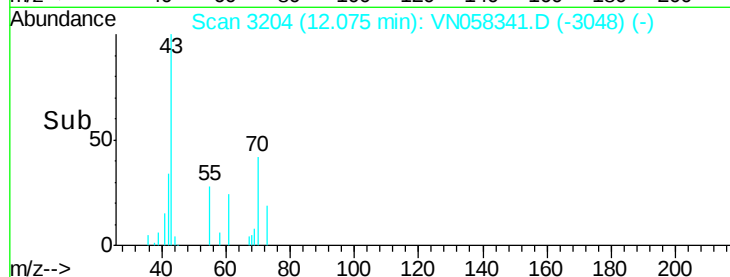
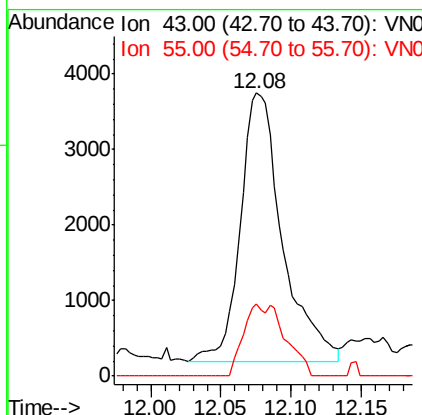
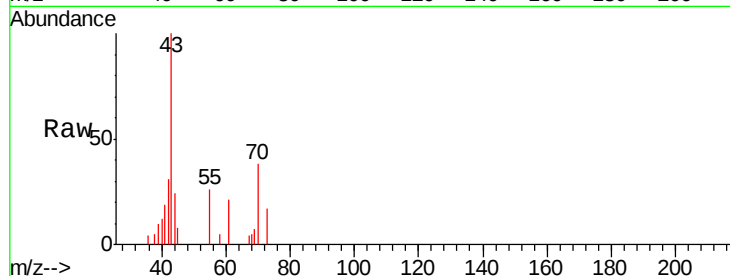




#47
n-amy1 Acetate
Concen: 0.606 ug/l
RT: 12.08 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VN058341.D
Acq: 24 Sep 2019 11:59

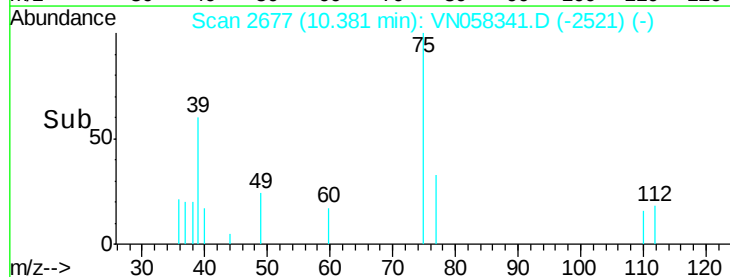
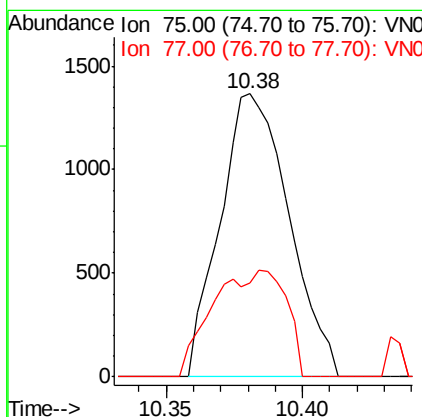
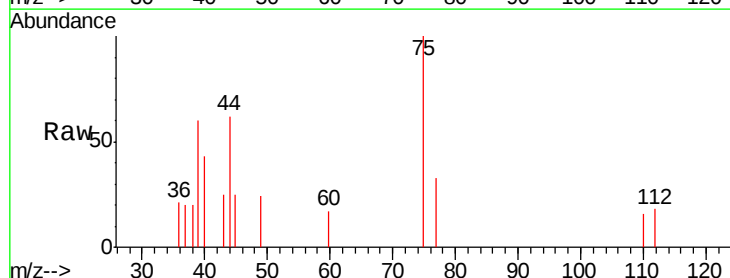
Instrument :
MSVOA_N
ClientSampled :
I.BLK

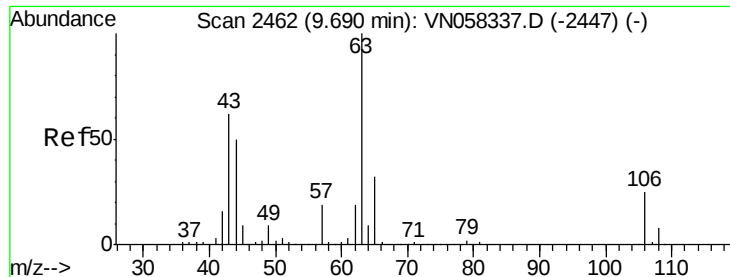
Tgt Ion: 43 Resp: 7412
Ion Ratio Lower Upper
43 100
55 14.2 19.0 28.4#



#48
t-1,3-Dichloropropene
Concen: 0.261 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058341.D
Acq: 24 Sep 2019 11:59

Tgt Ion: 75 Resp: 2399
Ion Ratio Lower Upper
75 100
77 33.3 25.4 38.0





#55

2-Chloroethyl vinyl ether

Concen: 0.288 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058341.D

Acq: 24 Sep 2019 11:59

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

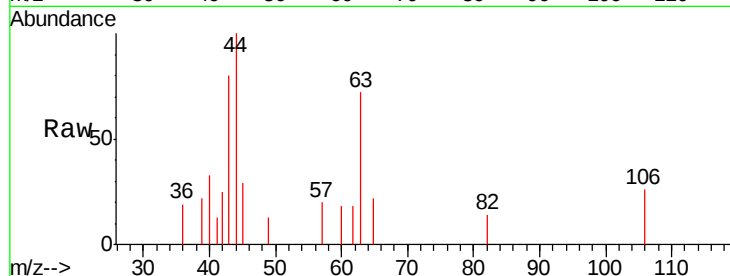
Tgt Ion: 63 Resp: 1146

Ion Ratio Lower Upper

63 100

65 26.3 25.4 38.2

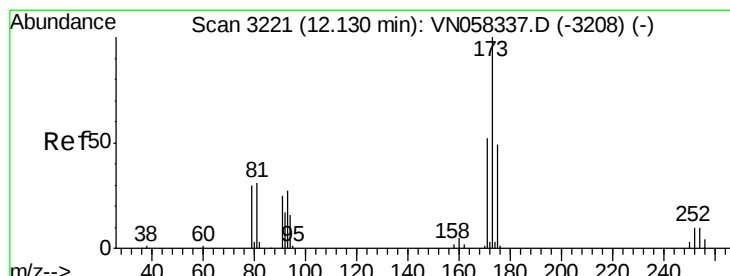
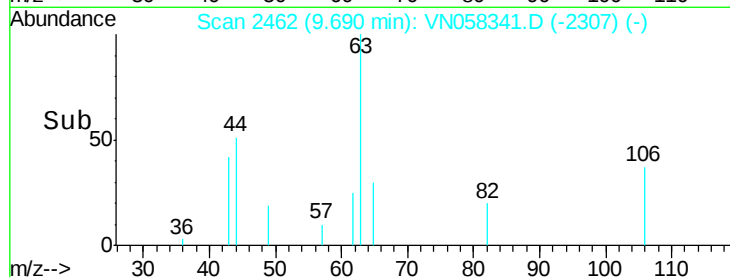
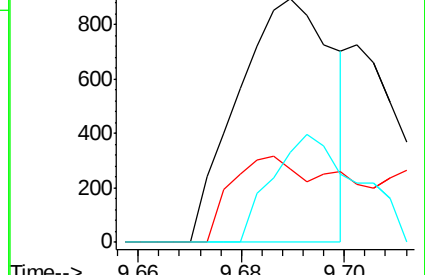
106 39.4 20.4 30.6#



Abundance Ion 63.00 (62.70 to 63.70): VN058337.D (-2447) (-)

Ion 65.00 (64.70 to 65.70): VN058337.D (-2447) (-)

Ion 106.00 (105.70 to 106.70): VN058337.D (-2447) (-)



#56

Bromoform

Concen: 0.262 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058341.D

Acq: 24 Sep 2019 11:59

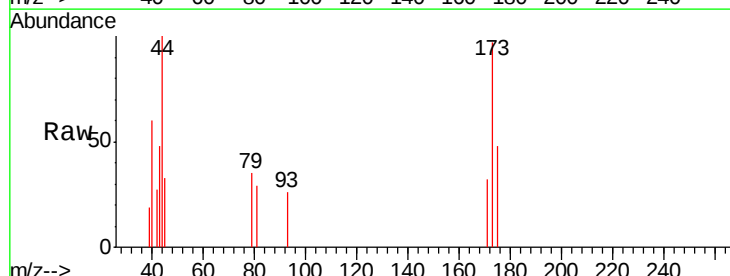
Tgt Ion: 173 Resp: 987

Ion Ratio Lower Upper

173 100

175 41.1 38.8 58.2

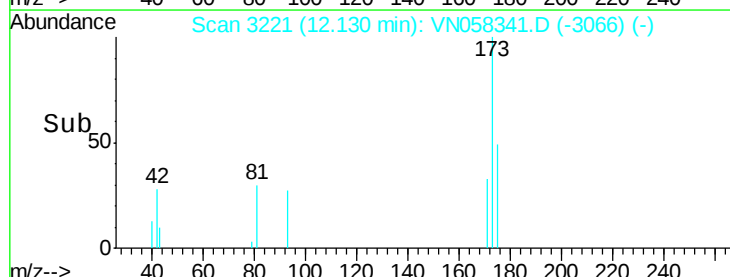
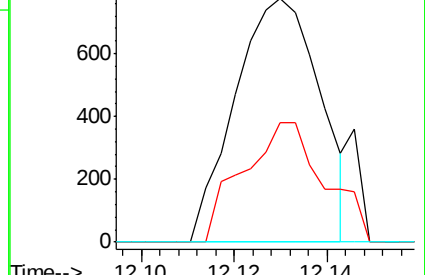
254 0.0 7.8 11.8#

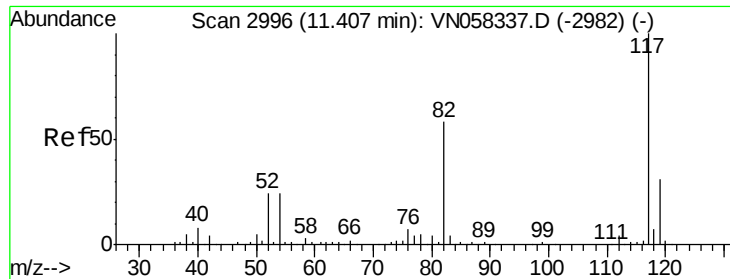


Abundance Ion 173.00 (172.70 to 173.70): VN058337.D (-3208) (-)

Ion 175.00 (174.70 to 175.70): VN058337.D (-3208) (-)

Ion 254.00 (253.70 to 254.70): VN058337.D (-3208) (-)

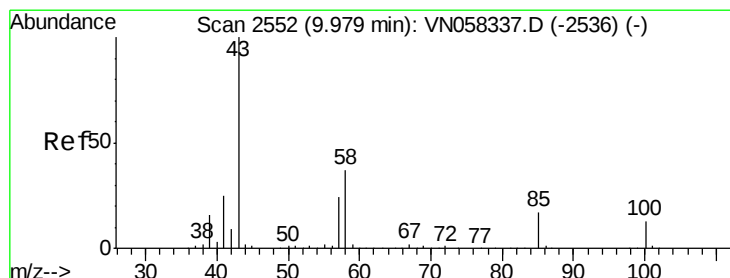
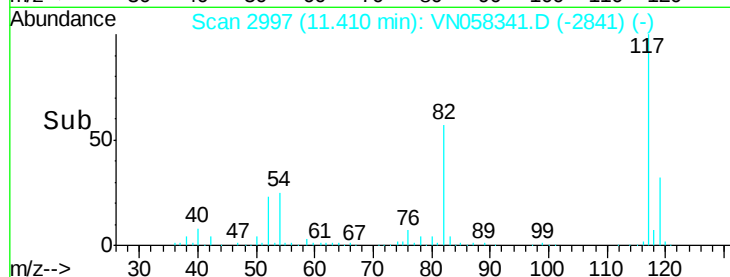
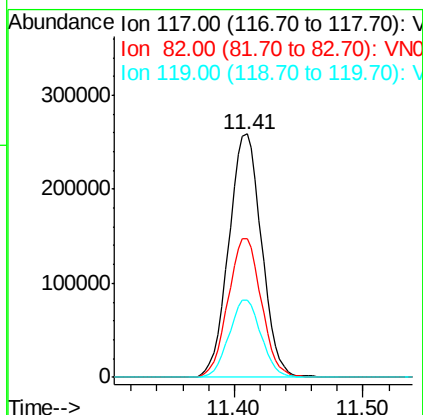
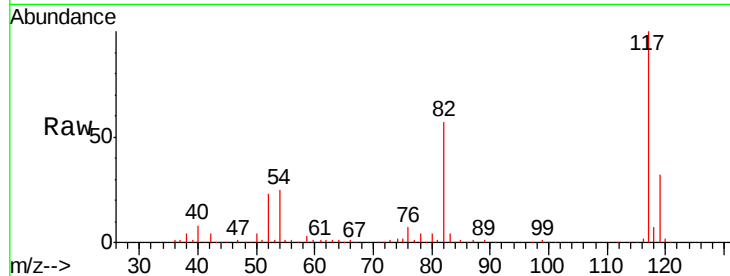




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058341.D
Acq: 24 Sep 2019 11:59

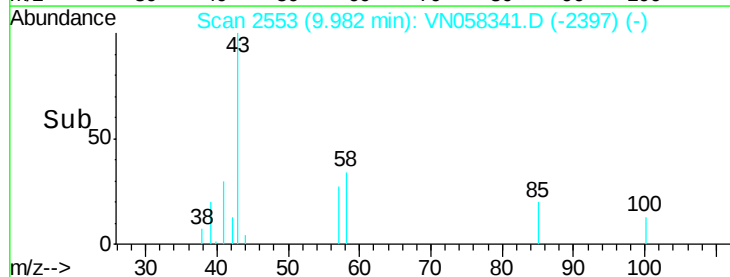
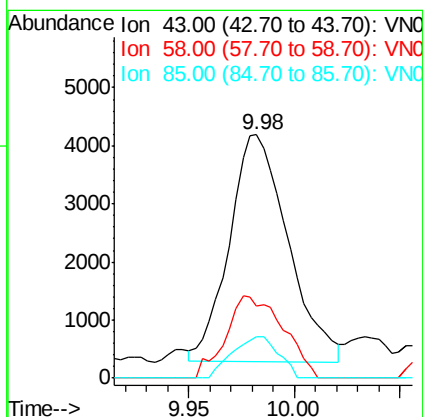
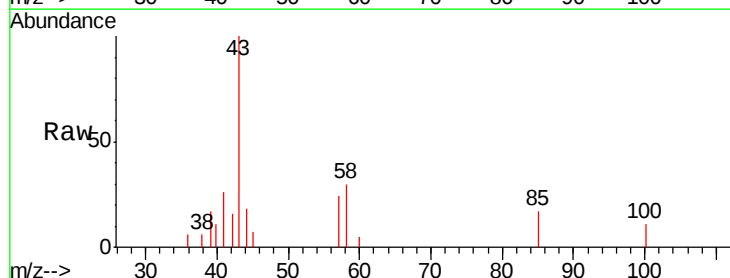
Instrument :
MSVOA_N
ClientSampled :
I.BLK

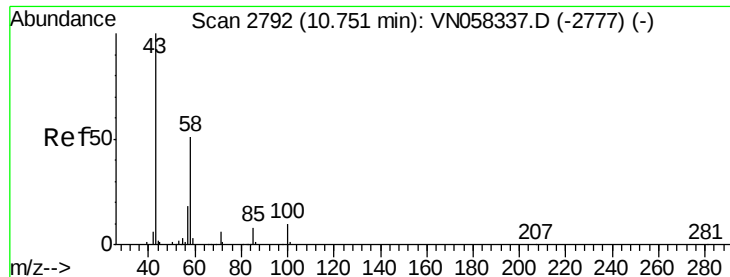
Tgt Ion: 117 Resp: 456668
Ion Ratio Lower Upper
117 100
82 57.8 46.4 69.6
119 31.2 25.1 37.7



#58
4-Methyl-2-Pentanone
Concen: 1.056 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN058341.D
Acq: 24 Sep 2019 11:59

Tgt Ion: 43 Resp: 7559
Ion Ratio Lower Upper
43 100
58 13.0 29.3 43.9#
85 14.2 13.1 19.7





#59

2-Hexanone

Concen: 2.493 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN058341.D

Acq: 24 Sep 2019 11:59

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

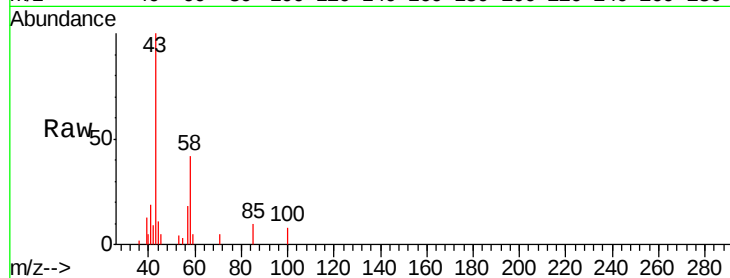
Tgt Ion: 43 Resp: 13488

Ion Ratio Lower Upper

43 100

58 49.7 40.7 61.1

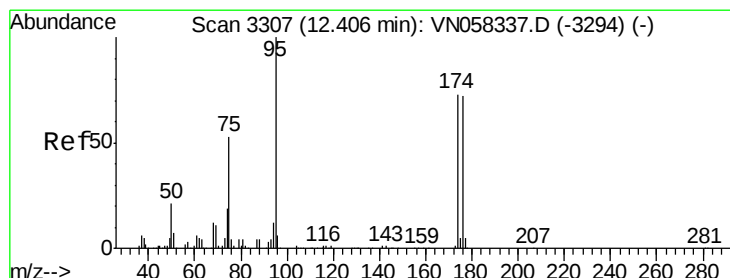
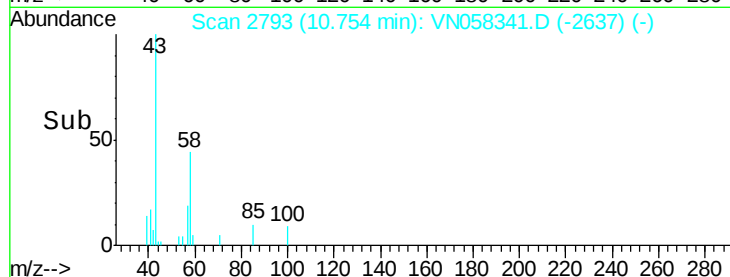
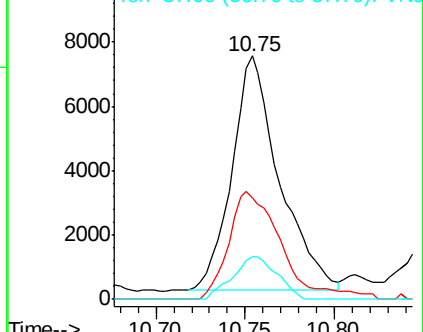
57 17.1 14.7 22.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#60

4-Bromofluorobenzene

Concen: 27.427 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN058341.D

Acq: 24 Sep 2019 11:59

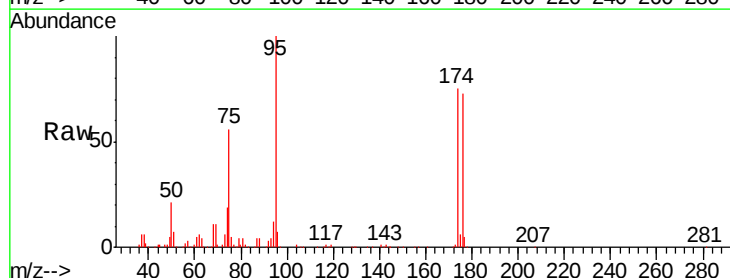
Tgt Ion: 95 Resp: 216719

Ion Ratio Lower Upper

95 100

174 75.6 59.0 88.6

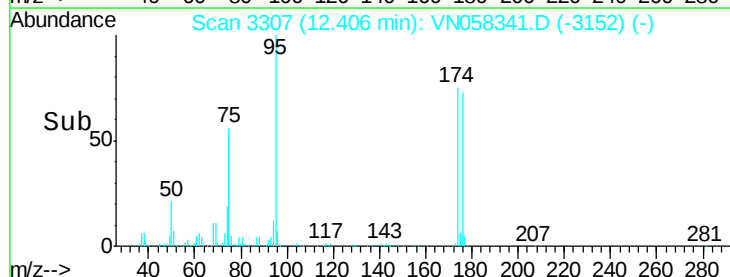
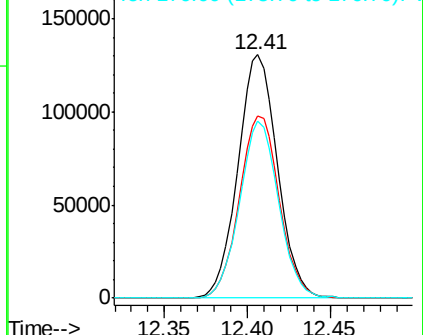
176 71.7 58.2 87.2

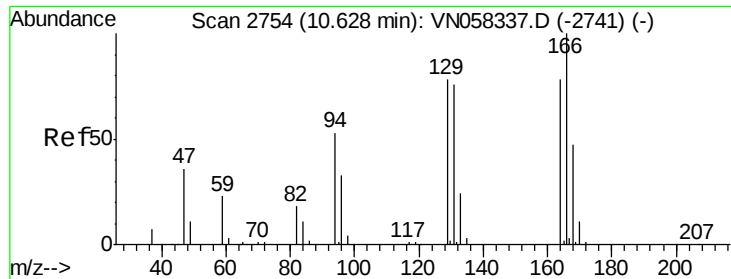


Abundance Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

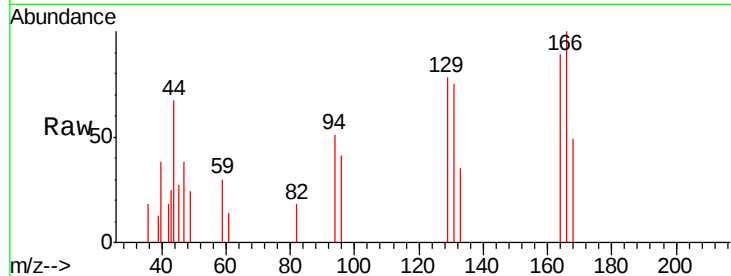




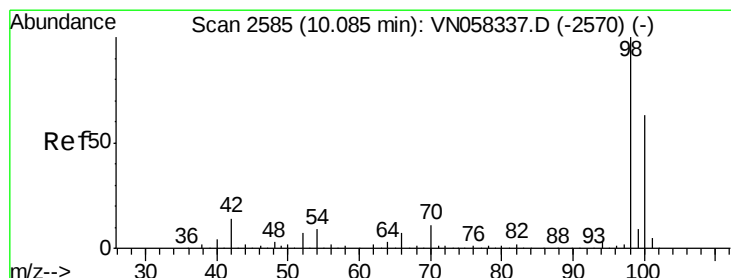
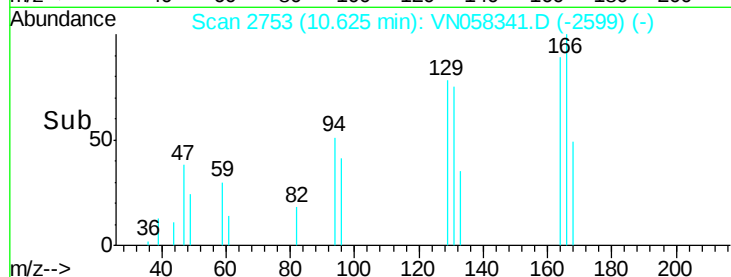
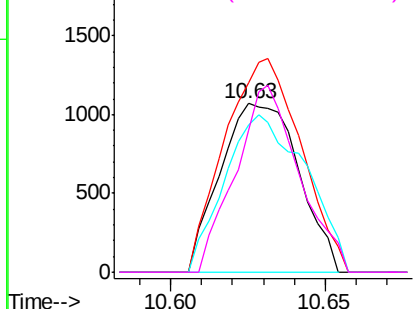
#61
Tetrachloroethene
Concen: 0.395 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN058341.D
Acq: 24 Sep 2019 11:59

Instrument :
MSVOA_N
ClientSampled :
I.BLK

Tgt Ion:164 Resp: 1889
Ion Ratio Lower Upper
164 100
166 112.6 102.6 154.0
129 87.3 79.8 119.6
131 84.3 78.1 117.1

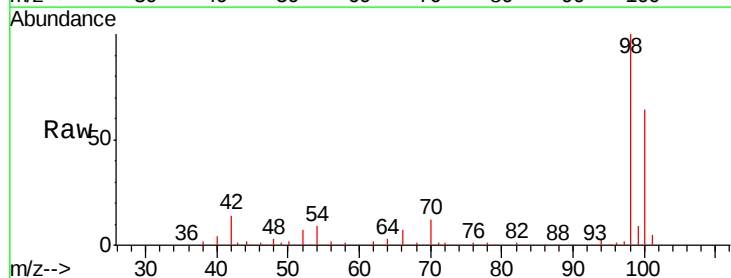


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

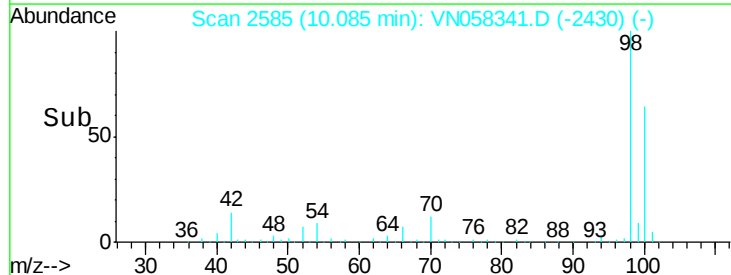
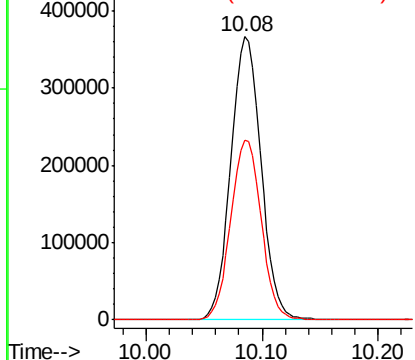


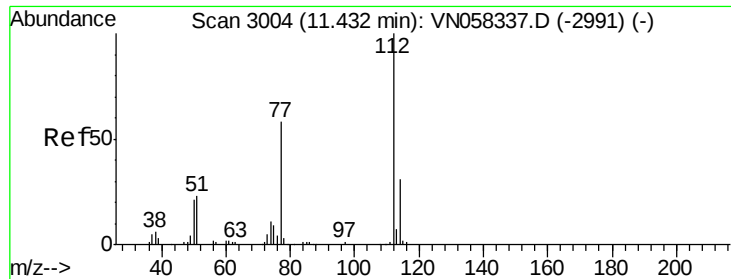
#63
Toluene-d8
Concen: 30.468 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058341.D
Acq: 24 Sep 2019 11:59

Tgt Ion: 98 Resp: 664014
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2



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





#64

Chlorobenzene

Concen: 0.309 ug/l

RT: 11.44 min Scan# 3006

Delta R.T. 0.01 min

Lab File: VN058341.D

Acq: 24 Sep 2019 11:59

Instrument :

MSVOA_N

ClientSampleId :

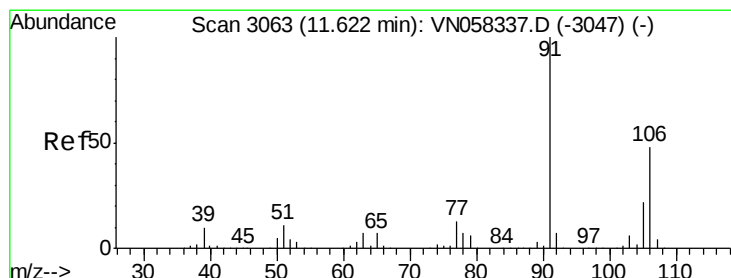
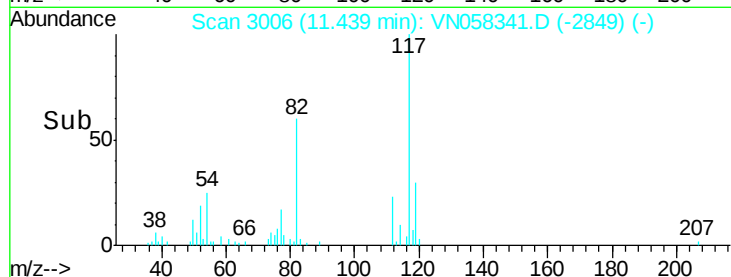
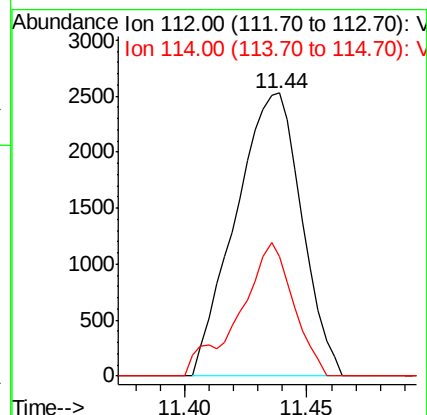
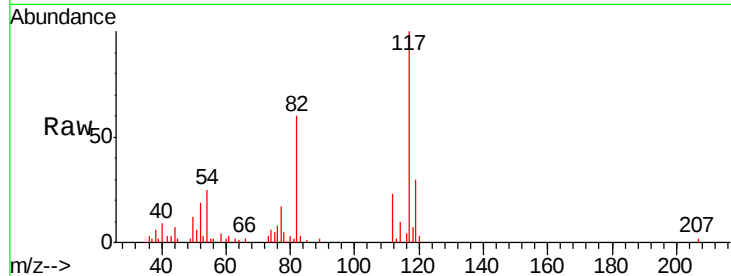
I.BLK

Tgt Ion:112 Resp: 4755

Ion Ratio Lower Upper

112 100

114 42.3 25.1 37.7#



#67

m/p-Xylenes

Concen: 0.453 ug/l

RT: 11.63 min Scan# 3064

Delta R.T. 0.00 min

Lab File: VN058341.D

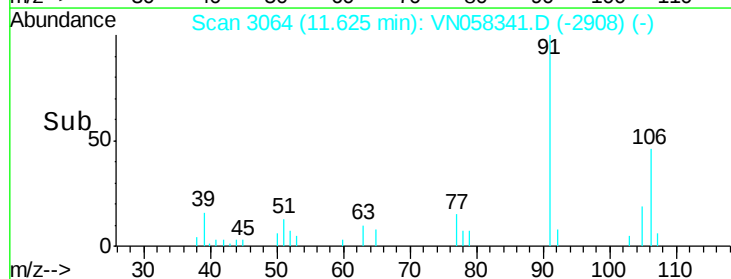
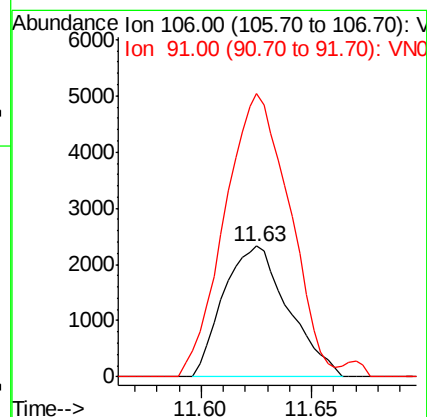
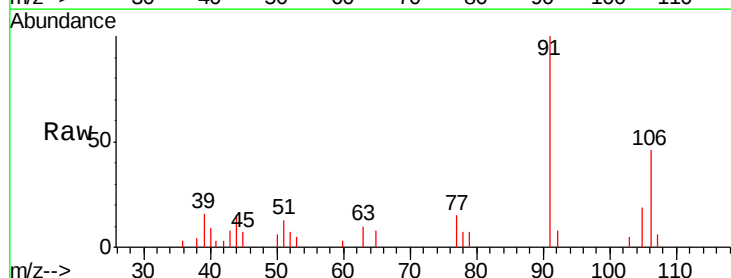
Acq: 24 Sep 2019 11:59

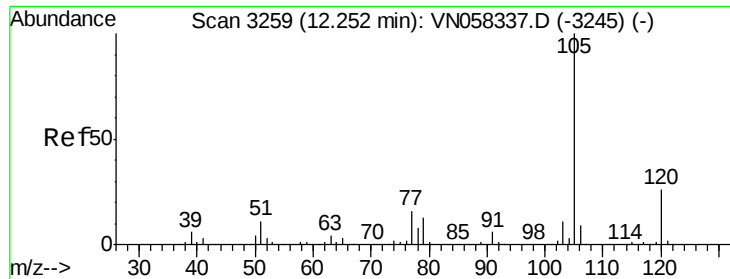
Tgt Ion:106 Resp: 4741

Ion Ratio Lower Upper

106 100

91 216.3 167.8 251.6





#70

Isopropylbenzene

Concen: 0.237 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN058341.D

Acq: 24 Sep 2019 11:59

Instrument :

MSVOA_N

ClientSampled :

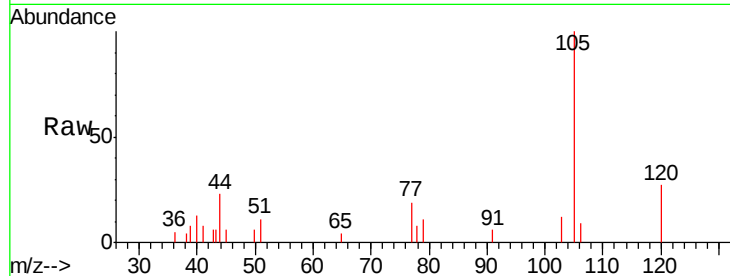
I.BLK

Tgt Ion: 105 Resp: 6254

Ion Ratio Lower Upper

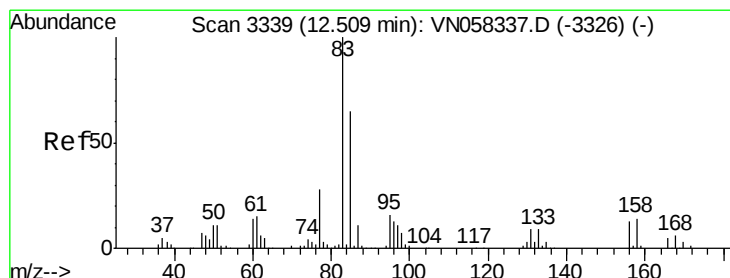
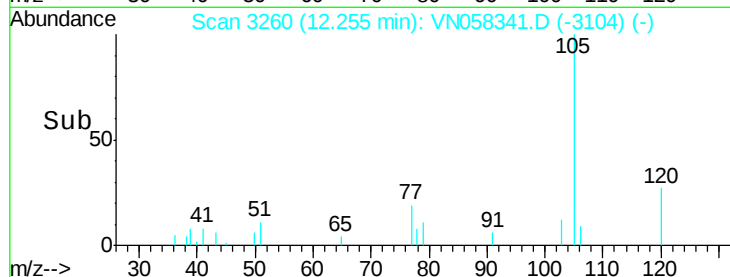
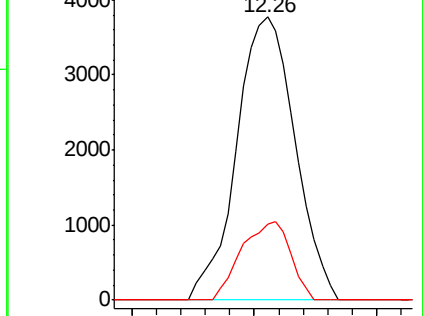
105 100

120 23.3 18.2 33.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#71

1,1,2,2-Tetrachloroethane

Concen: 0.349 ug/l

RT: 12.51 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN058341.D

Acq: 24 Sep 2019 11:59

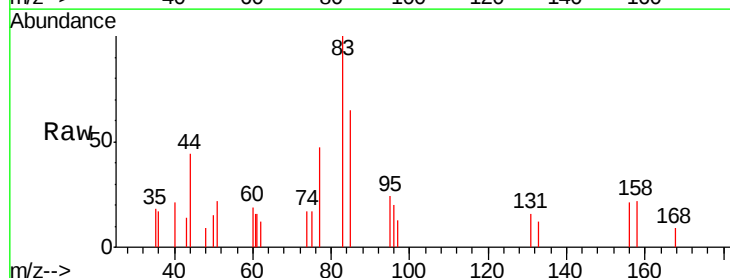
Tgt Ion: 83 Resp: 2926

Ion Ratio Lower Upper

83 100

131 5.8 4.8 14.3

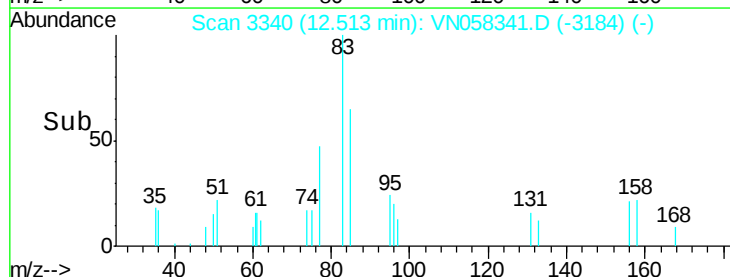
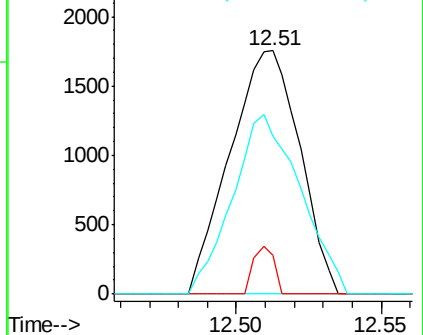
85 71.6 32.6 97.7

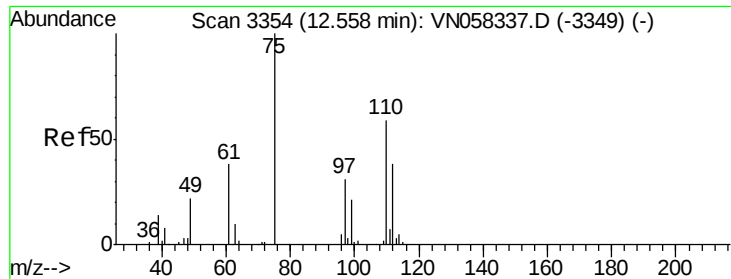


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VNO





#72

1,2,3-Trichloropropane

Concen: 0.606 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. 0.01 min

Lab File: VN058341.D

Acq: 24 Sep 2019 11:59

Instrument :

MSVOA_N

ClientSampled :

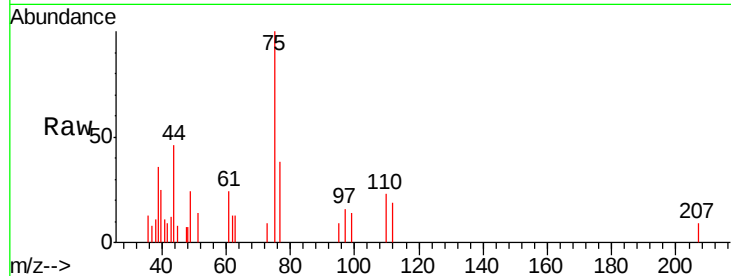
I.BLK

Tgt Ion: 75 Resp: 4368

Ion Ratio Lower Upper

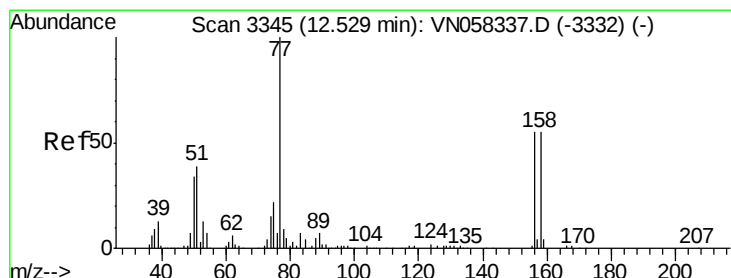
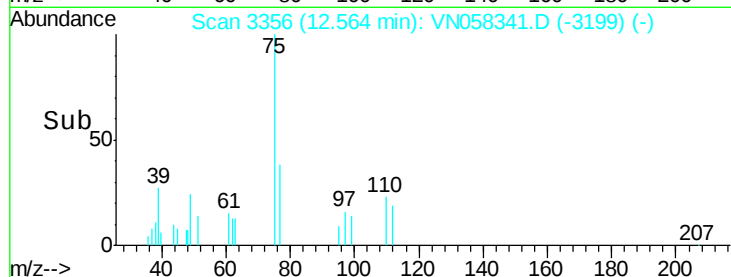
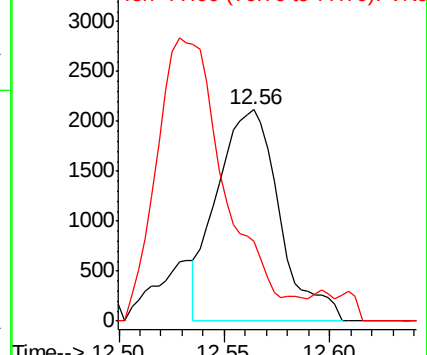
75 100

77 4.8 0.0 382.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#73

Bromobenzene

Concen: 0.389 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058341.D

Acq: 24 Sep 2019 11:59

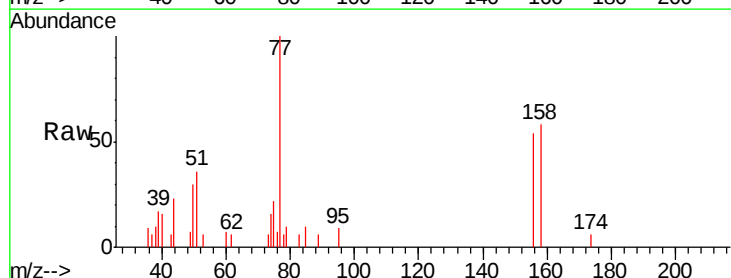
Tgt Ion: 156 Resp: 2489

Ion Ratio Lower Upper

156 100

77 255.0 0.0 438.8

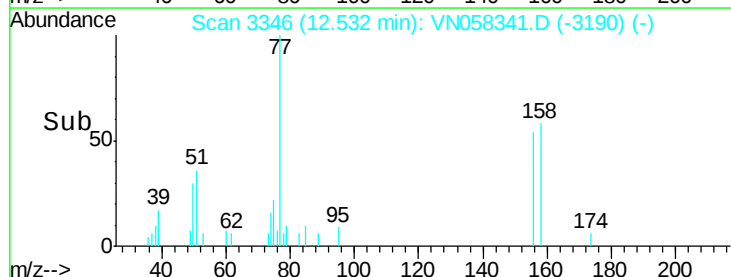
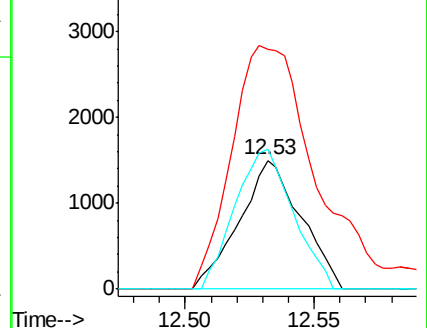
158 103.1 0.0 195.6

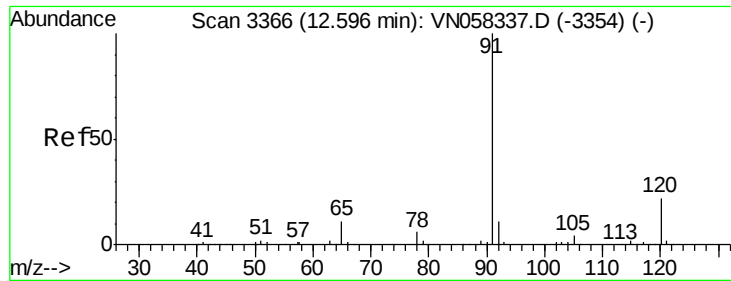


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V





#74

n-propylbenzene

Concen: 0.381 ug/l

RT: 12.60 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN058341.D

Acq: 24 Sep 2019 11:59

Instrument :

MSVOA_N

ClientSampled :

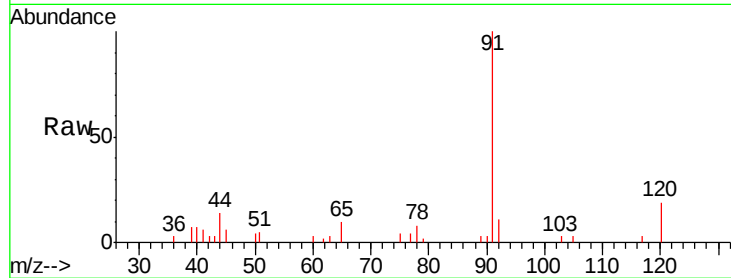
I.BLK

Tgt Ion: 91 Resp: 11575

Ion Ratio Lower Upper

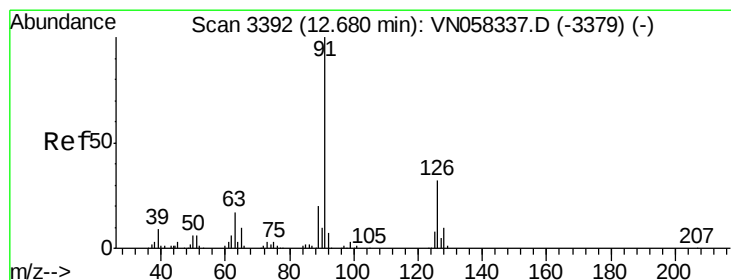
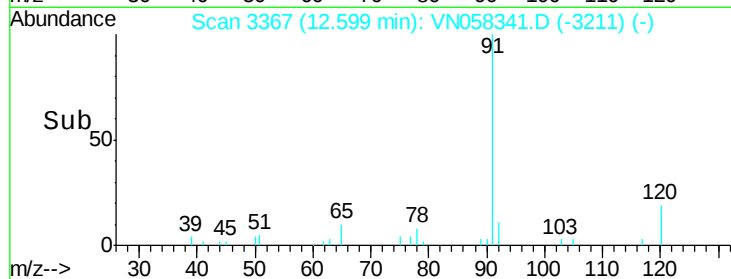
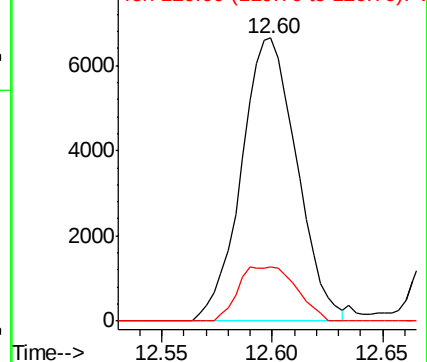
91 100

120 9.8 0.0 44.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#75

2-Chlorotoluene

Concen: 0.273 ug/l

RT: 12.68 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN058341.D

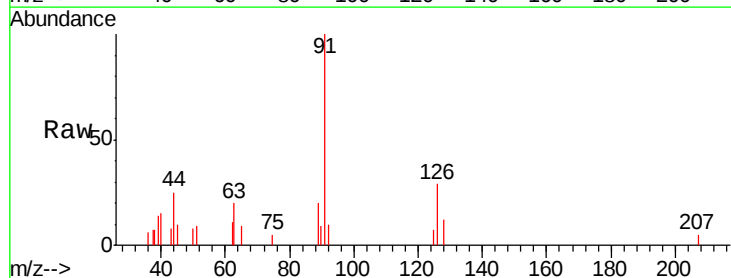
Acq: 24 Sep 2019 11:59

Tgt Ion: 91 Resp: 5192

Ion Ratio Lower Upper

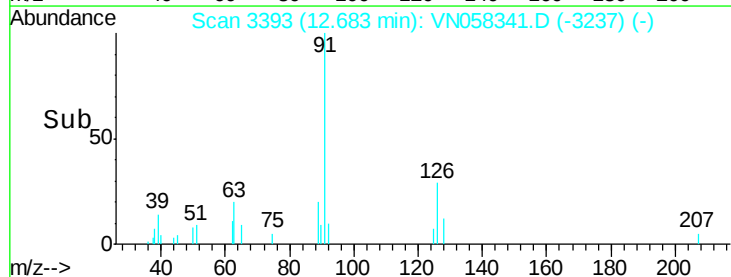
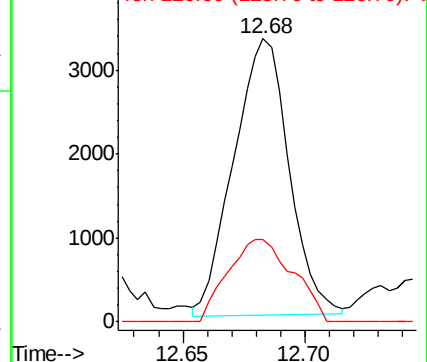
91 100

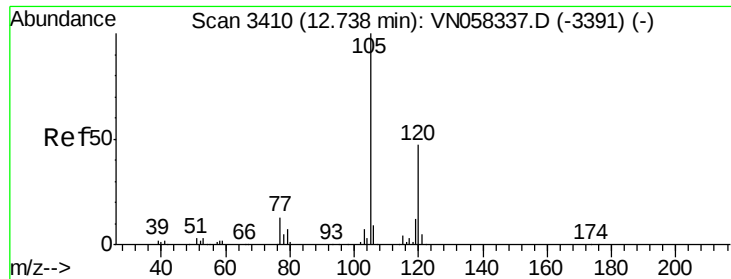
126 35.1 0.0 65.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#76

1,3,5-Trimethylbenzene

Concen: 0.257 ug/l

RT: 12.74 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN058341.D

Acq: 24 Sep 2019 11:59

Instrument :

MSVOA_N

ClientSampleId :

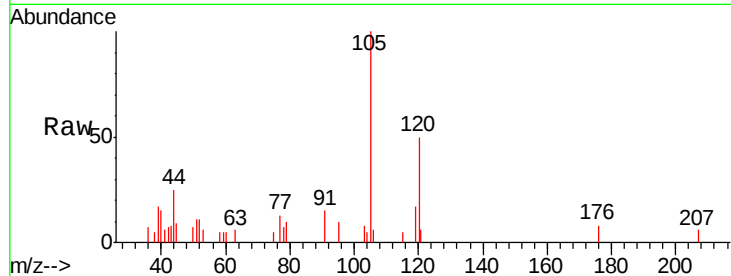
I.BLK

Tgt Ion:105 Resp: 5828

Ion Ratio Lower Upper

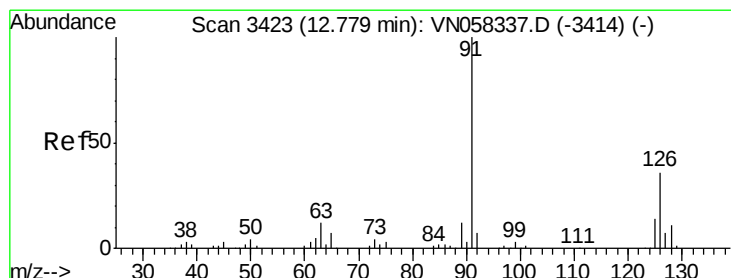
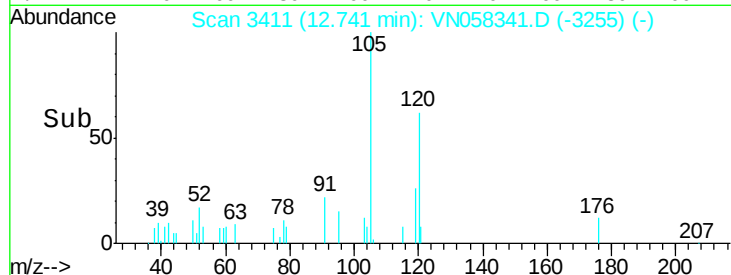
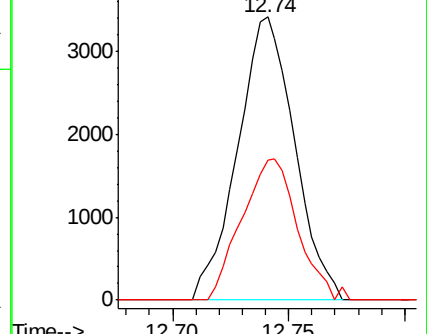
105 100

120 48.5 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

4-Chlorotoluene

Concen: 0.465 ug/l

RT: 12.78 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN058341.D

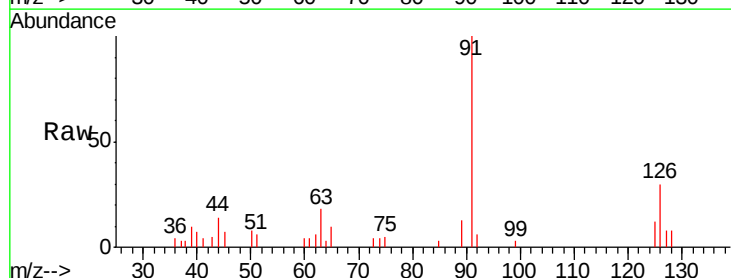
Acq: 24 Sep 2019 11:59

Tgt Ion: 91 Resp: 9062

Ion Ratio Lower Upper

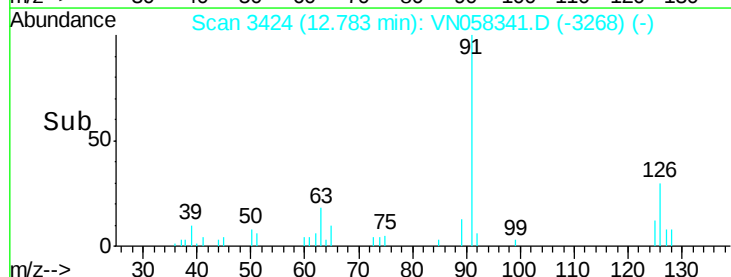
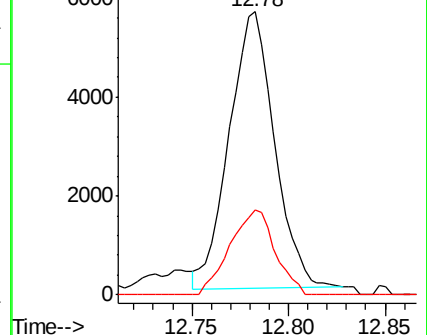
91 100

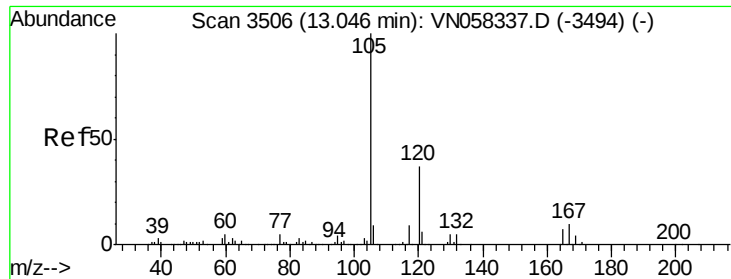
126 30.6 0.0 63.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 126.00 (125.70 to 126.70): V

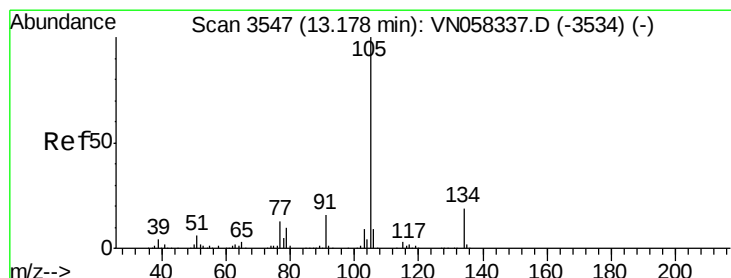
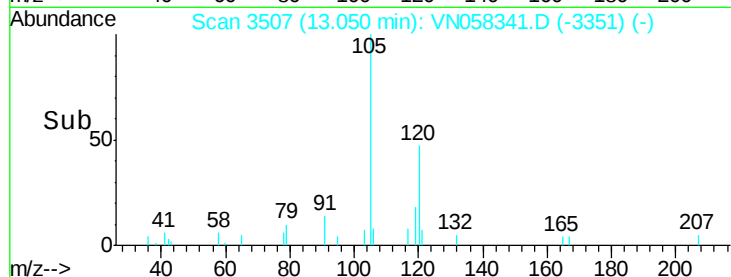
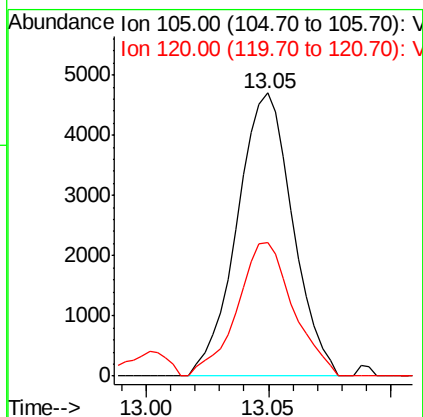
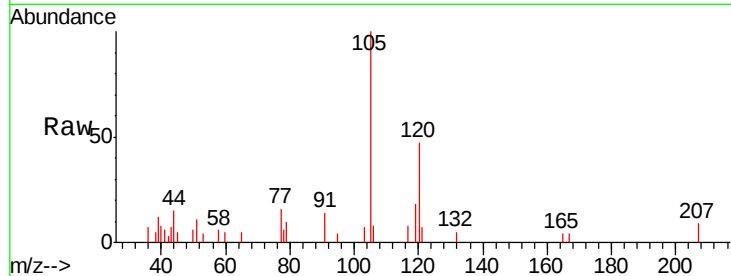




#80
 1,2,4-Trimethylbenzene
 Concen: 0.328 ug/l
 RT: 13.05 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN058341.D
 Acq: 24 Sep 2019 11:59

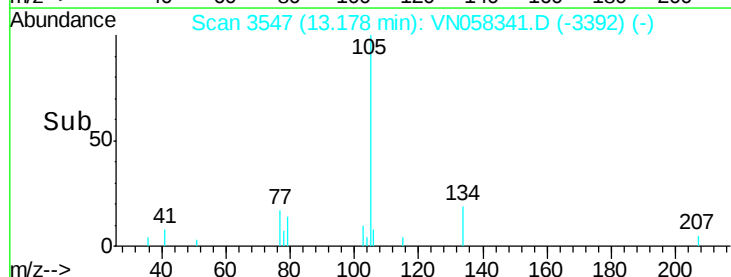
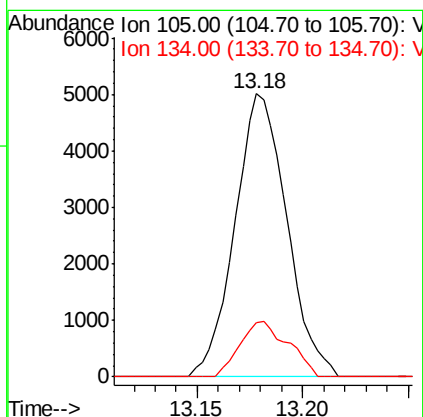
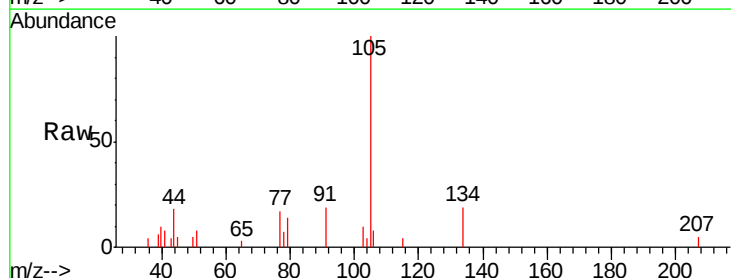
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

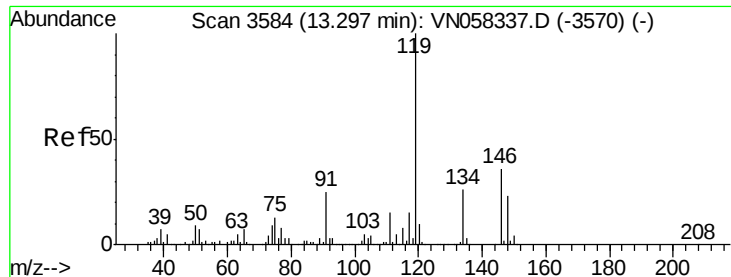
Tgt Ion:105 Resp: 7437
 Ion Ratio Lower Upper
 105 100
 120 47.4 0.0 86.6



#81
 sec-Butylbenzene
 Concen: 0.331 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058341.D
 Acq: 24 Sep 2019 11:59

Tgt Ion:105 Resp: 8546
 Ion Ratio Lower Upper
 105 100
 134 18.2 0.0 38.2

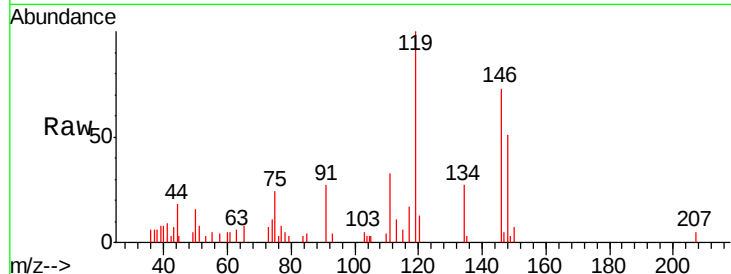




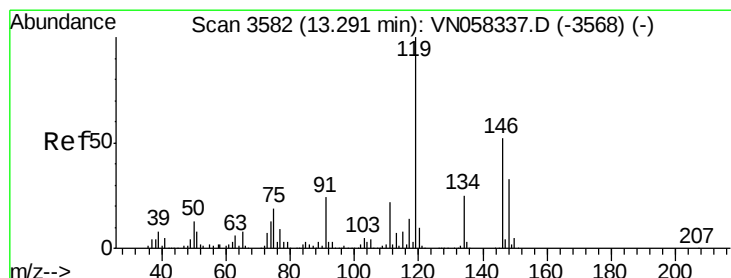
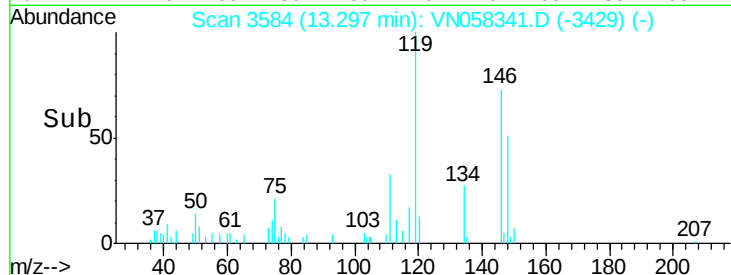
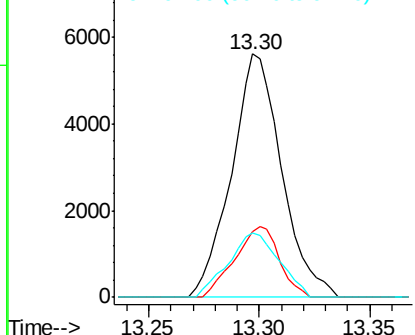
#82
p-Isopropyltoluene
Concen: 0.383 ug/l
RT: 13.30 min Scan# 3584
Delta R.T. -0.00 min
Lab File: VN058341.D
Acq: 24 Sep 2019 11:59

Instrument :
MSVOA_N
ClientSampled :
I.BLK

Tgt Ion:119 Resp: 8895
Ion Ratio Lower Upper
119 100
134 25.6 0.0 51.6
91 26.7 0.0 49.6

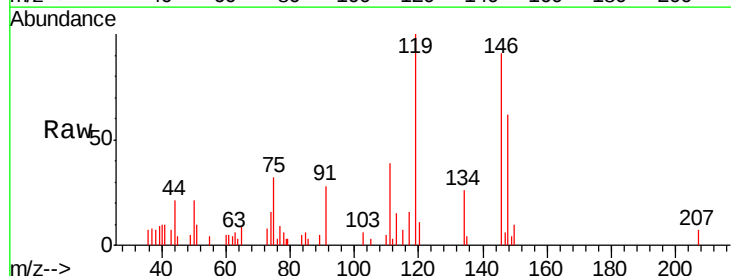


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

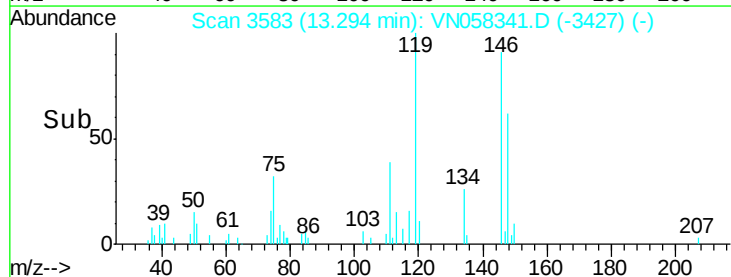
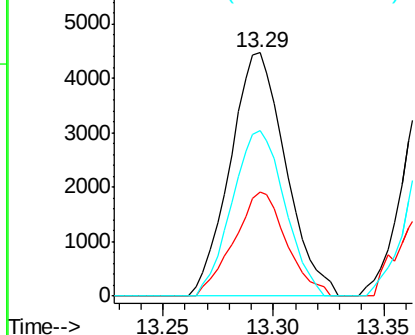


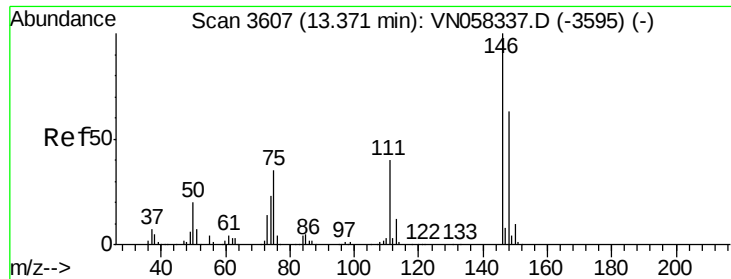
#83
1,3-Dichlorobenzene
Concen: 0.664 ug/l
RT: 13.29 min Scan# 3583
Delta R.T. 0.00 min
Lab File: VN058341.D
Acq: 24 Sep 2019 11:59

Tgt Ion:146 Resp: 7831
Ion Ratio Lower Upper
146 100
111 40.3 20.9 62.8
148 64.5 32.0 96.2



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#84

1,4-Dichlorobenzene

Concen: 0.742 ug/l

RT: 13.37 min Scan# 3608

Delta R.T. 0.00 min

Lab File: VN058341.D

Acq: 24 Sep 2019 11:59

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

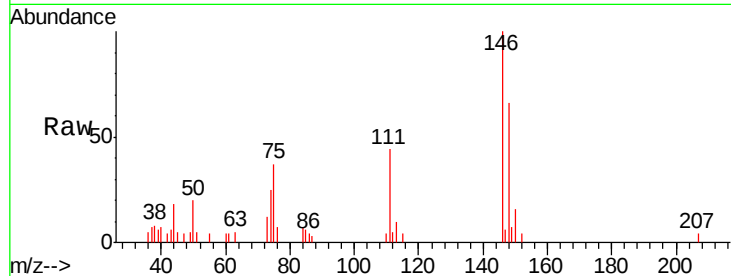
Tgt Ion: 146 Resp: 8704

Ion Ratio Lower Upper

146 100

111 43.0 20.4 61.3

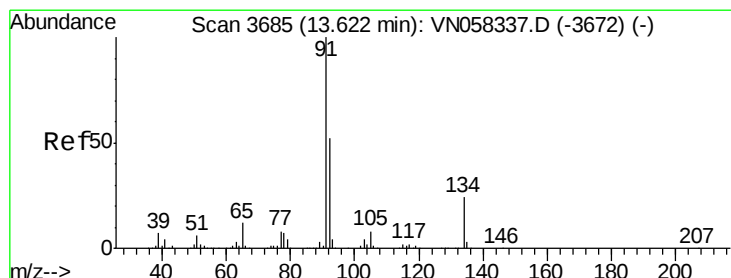
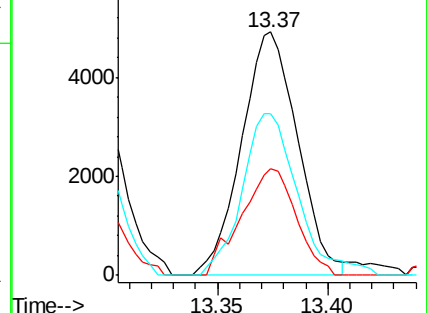
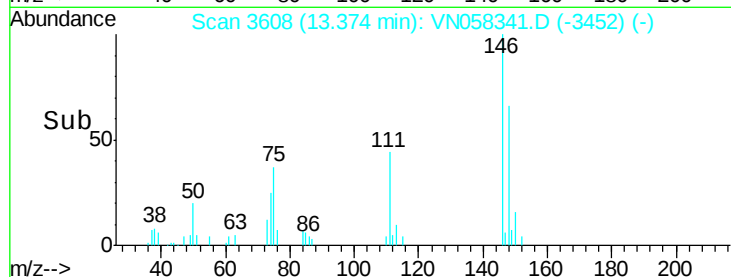
148 65.9 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 0.776 ug/l

RT: 13.63 min Scan# 3686

Delta R.T. 0.00 min

Lab File: VN058341.D

Acq: 24 Sep 2019 11:59

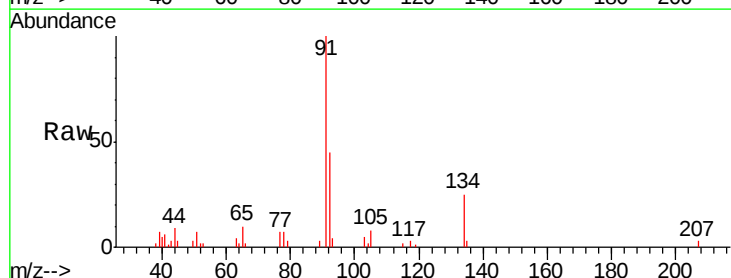
Tgt Ion: 91 Resp: 16740

Ion Ratio Lower Upper

91 100

92 48.1 0.0 102.6

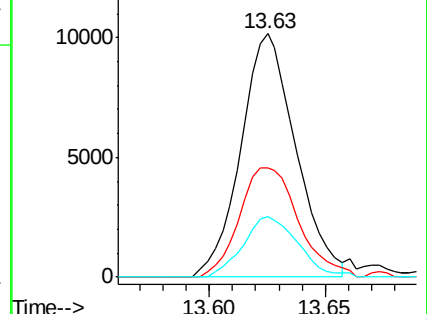
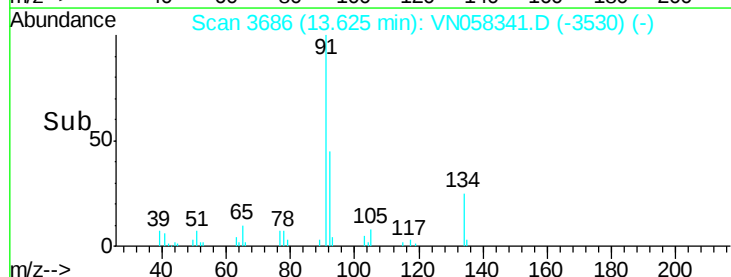
134 24.4 0.0 47.8

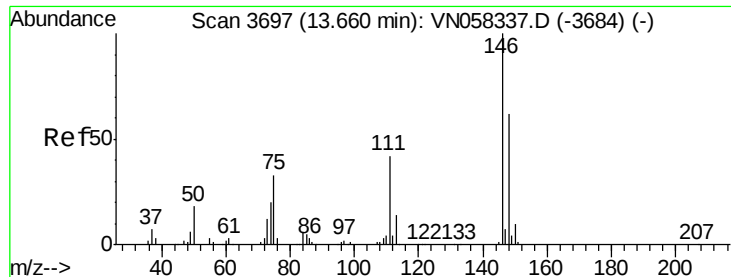


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

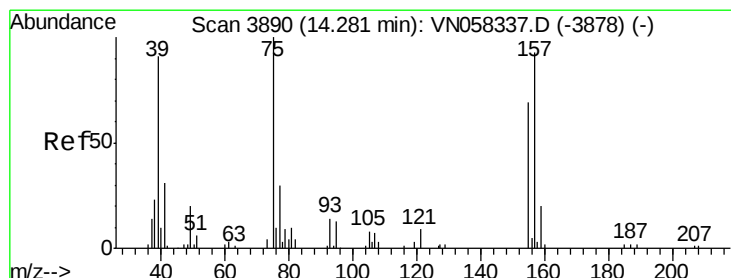
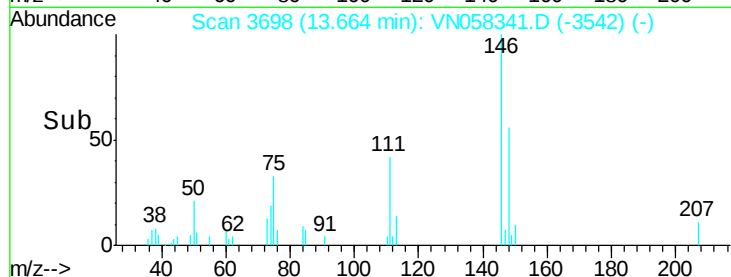
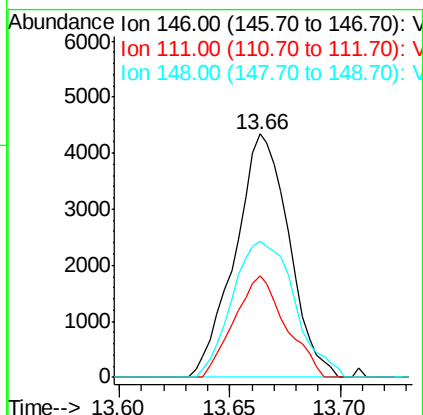
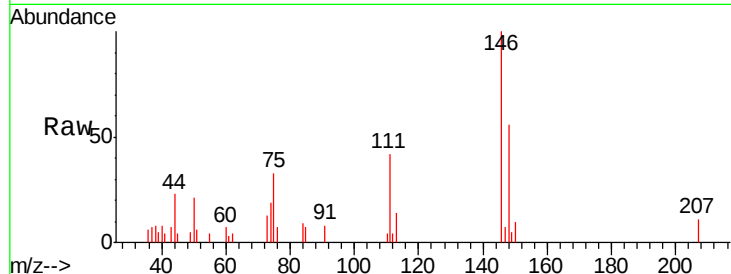




#87
 1,2-Dichlorobenzene
 Concen: 0.639 ug/l
 RT: 13.66 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN058341.D
 Acq: 24 Sep 2019 11:59

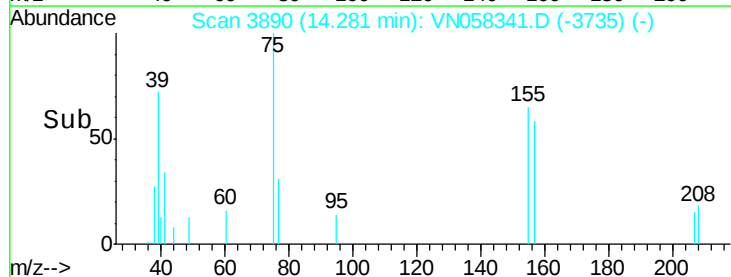
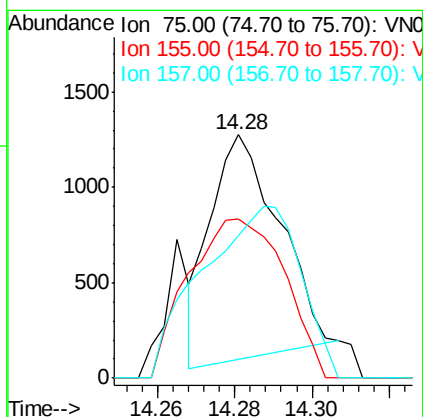
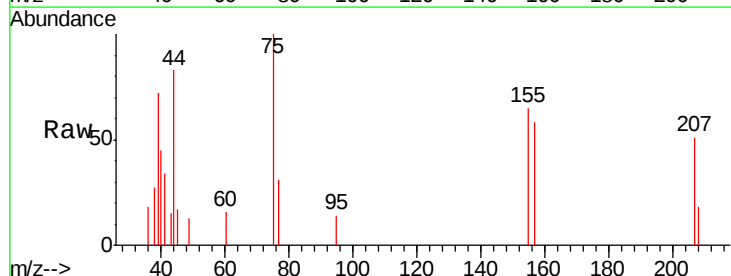
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

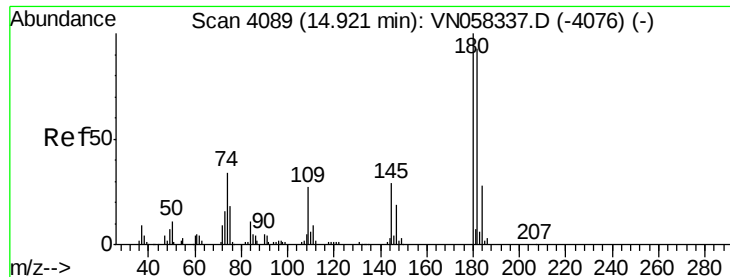
Tgt Ion:146 Resp: 7356
 Ion Ratio Lower Upper
 146 100
 111 39.7 21.1 63.3
 148 64.7 31.9 95.7



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 0.887 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. -0.00 min
 Lab File: VN058341.D
 Acq: 24 Sep 2019 11:59

Tgt Ion: 75 Resp: 1451
 Ion Ratio Lower Upper
 75 100
 155 99.2 58.5 87.7#
 157 109.6 75.4 113.2

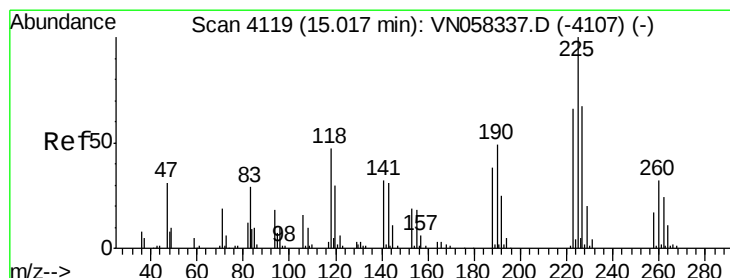
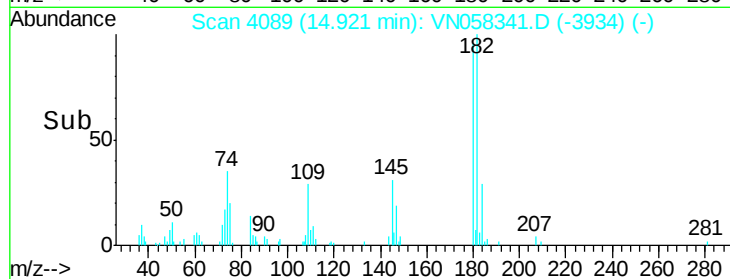
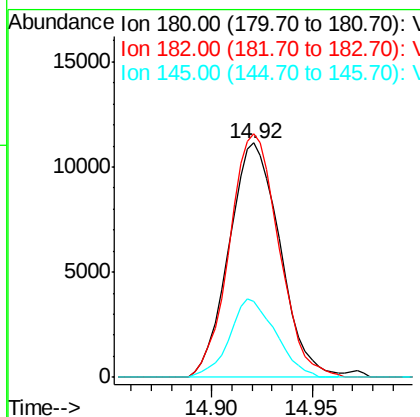
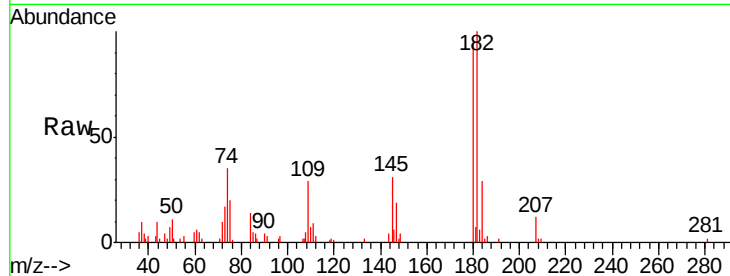




#89
 1,2,4-Trichlorobenzene
 Concen: 2.617 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. -0.00 min
 Lab File: VN058341.D
 Acq: 24 Sep 2019 11:59

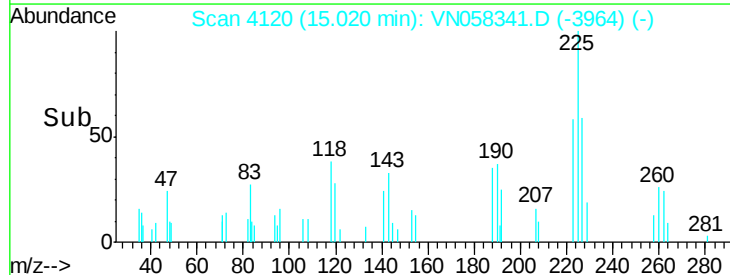
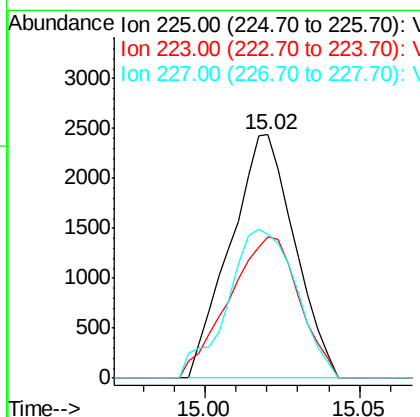
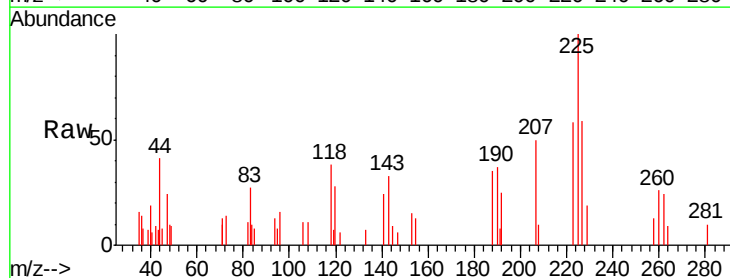
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

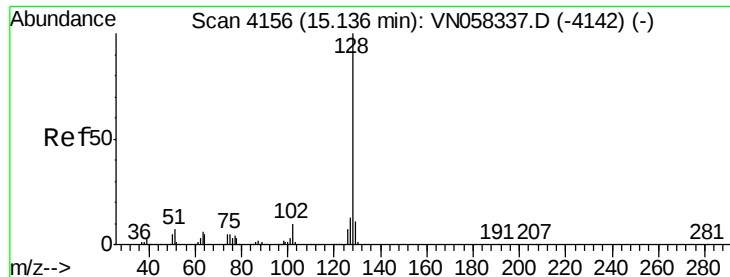
Tgt Ion:180 Resp: 19682
 Ion Ratio Lower Upper
 180 100
 182 100.6 75.2 112.8
 145 30.3 25.1 37.7



#90
 Hexachlorobutadiene
 Concen: 0.969 ug/l
 RT: 15.02 min Scan# 4120
 Delta R.T. 0.00 min
 Lab File: VN058341.D
 Acq: 24 Sep 2019 11:59

Tgt Ion:225 Resp: 3525
 Ion Ratio Lower Upper
 225 100
 223 63.5 0.0 132.6
 227 65.4 0.0 129.2





#91

Naphthalene

Concen: 4.933 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN058341.D

Acq: 24 Sep 2019 11:59

Instrument :

MSVOA_N

ClientSampled :

I.BLK

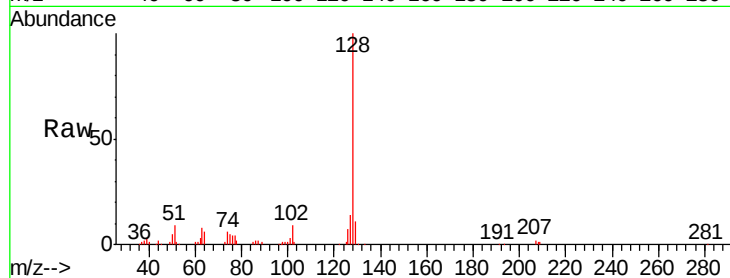
Tgt Ion:128 Resp: 101893

Ion Ratio Lower Upper

128 100

127 14.0 10.2 15.4

129 10.8 8.6 13.0



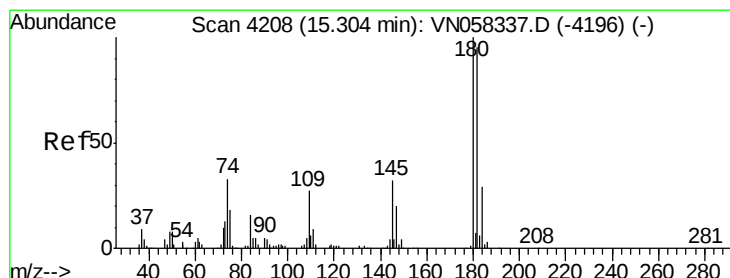
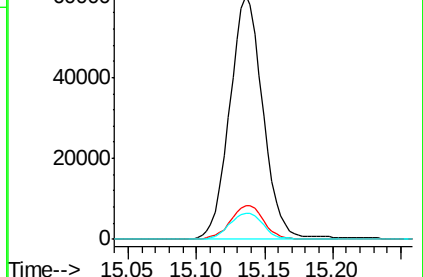
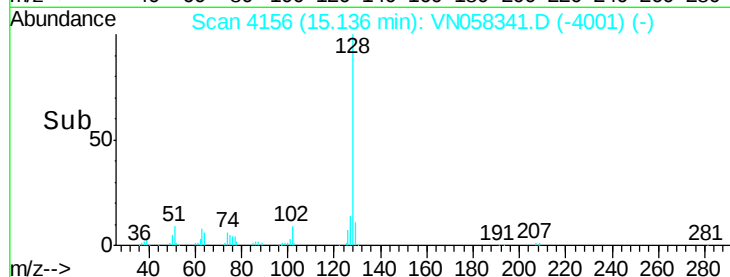
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.14

Time-->



#92

1,2,3-Trichlorobenzene

Concen: 3.874 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. -0.00 min

Lab File: VN058341.D

Acq: 24 Sep 2019 11:59

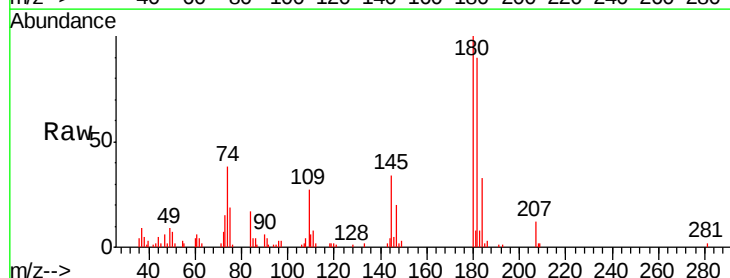
Tgt Ion:180 Resp: 27982

Ion Ratio Lower Upper

180 100

182 89.5 0.0 189.4

145 33.2 0.0 64.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

15.30

Time-->

