

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\
 Data File : VN050785.D
 Acq On : 21 Aug 2018 12:43
 Operator : MD\SY
 Sample : I.BLK
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Quant Time: Aug 22 06:41:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	682466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1032777	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	877296	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	291654	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	416013	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
35) Dibromofluoromethane	7.59	113	395401	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
50) Toluene-d8	10.09	98	1460027	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	
62) 4-Bromofluorobenzene	12.40	95	393087	38.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.02%	

Target Compounds

					Qvalue	
3) Chloromethane	2.06	50	4368	0.388	ug/l #	88
5) Bromomethane	2.57	94	5342	Below Cal		91
10) Methyl Iodide	3.95	142	1821	6.553	ug/l #	94
11) Tert butyl alcohol	4.77	59	187	0.357	ug/l #	72
12) 1,1-Dichloroethene	3.73	96	1879	0.245	ug/l	84
13) Acrolein	3.60	56	440	19.250	ug/l #	34
15) Acrylonitrile	5.00	53	3187	1.199	ug/l #	86
16) Acetone	3.83	43	2871	Below Cal	#	84
17) Carbon Disulfide	4.05	76	29758	1.158	ug/l	95
18) Methyl Acetate	4.33	43	6632	0.855	ug/l #	76
21) trans-1,2-Dichloroethene	5.04	96	2527	0.305	ug/l #	78
23) Vinyl Acetate	5.90	43	4850	0.316	ug/l #	71
25) 2-Butanone	6.84	43	1464	0.442	ug/l #	88
27) cis-1,2-Dichloroethene	6.83	96	2294	0.257	ug/l	38
29) Tetrahydrofuran	7.23	42	2698	1.421	ug/l #	40
31) Cyclohexane	7.67	56	13492	1.423	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	3261	0.268	ug/l #	84
38) Carbon Tetrachloride	7.66	117	59562	4.835	ug/l #	17
43) Isopropyl Acetate	8.28	43	17373	1.443	ug/l #	58
44) Trichloroethene	8.83	130	2998	0.309	ug/l	85
46) Dibromomethane	9.21	93	1142	0.201	ug/l	94
49) 1,4-Dioxane	9.19	88	548	6.553	ug/l #	48
51) 4-Methyl-2-Pentanone	9.99	43	4127	0.575	ug/l	93
56) Ethyl methacrylate	10.44	69	1031	2.443	ug/l #	89
58) 2-Chloroethyl Vinyl ether	9.70	63	1041	12.437	ug/l #	47
59) 2-Hexanone	10.76	43	6375	1.333	ug/l	91
64) Tetrachloroethene	10.63	164	1945	0.233	ug/l	92
65) Chlorobenzene	11.44	112	6276	0.274	ug/l	96
68) m/p-Xylenes	11.62	106	4104	0.290	ug/l	91
70) Styrene	11.96	104	4075	1.436	ug/l	98
73) Isopropylbenzene	12.25	105	5414	0.224	ug/l	99
74) N-amyl acetate	12.07	43	3875	0.639	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.51	83	2037	Below Cal	#	96
76) 1,2,3-Trichloropropane	12.40	75	184540	36.125	ug/l #	100

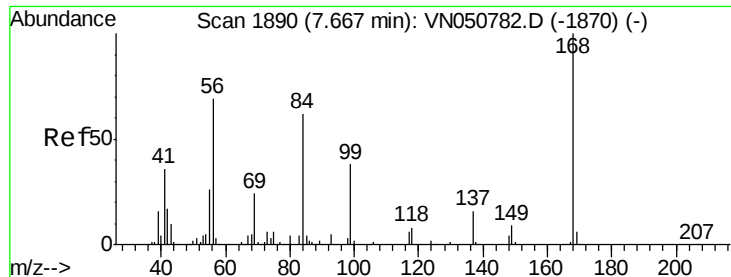
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\
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 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Bromobenzene	12.52	156	3291	0.501	ug/l	94
78) n-propylbenzene	12.59	91	9569	0.355	ug/l	92
79) 2-Chlorotoluene	12.68	91	6053	0.360	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	4383	0.225	ug/l	87
81) trans-1,4-Dichloro-2-buten	12.40	75	184540	122.124	ug/l #	15
82) 4-Chlorotoluene	12.78	91	8388	0.506	ug/l	98
83) tert-Butylbenzene	12.99	119	4785	0.284	ug/l	89
84) 1,2,4-Trimethylbenzene	13.04	105	4573	0.233	ug/l	92
85) sec-Butylbenzene	13.17	105	7062	0.319	ug/l	93
86) p-Isopropyltoluene	13.29	119	5288	0.281	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	7135	0.641	ug/l	94
88) 1,4-Dichlorobenzene	13.28	146	7135	0.651	ug/l	95
89) n-Butylbenzene	13.62	91	7613	0.505	ug/l	92
90) Hexachloroethane	13.88	117	677	0.372	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	7625	0.710	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	802	0.925	ug/l	81
93) 1,2,4-Trichlorobenzene	14.91	180	8967	5.556	ug/l	98
94) Hexachlorobutadiene	15.01	225	9228	1.818	ug/l	98
95) Naphthalene	15.14	128	25037	7.316	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	11923	5.421	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050785.D

Acq: 21 Aug 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

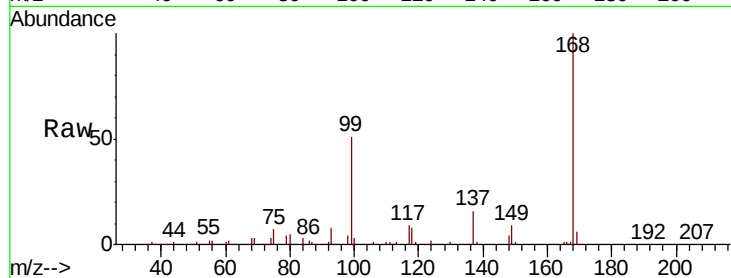
I.BLK

Tot Ion:168 Resp: 682466

Ion Ratio Lower Upper

168 100

99 50.7 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

300000

200000

100000

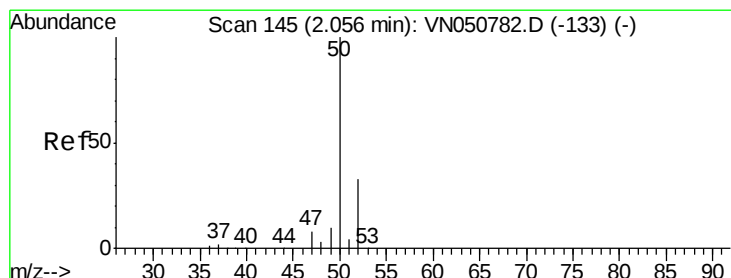
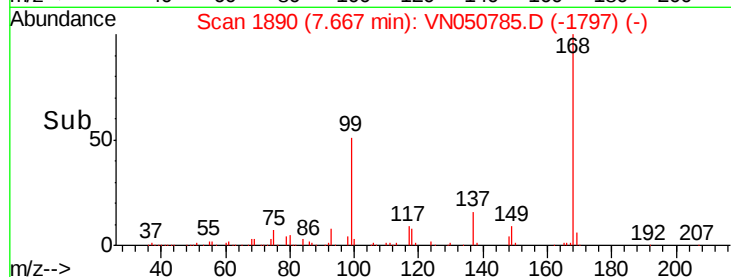
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Time-->

7.60

7.70

7.80



#3

Chloromethane

Concen: 0.388 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050785.D

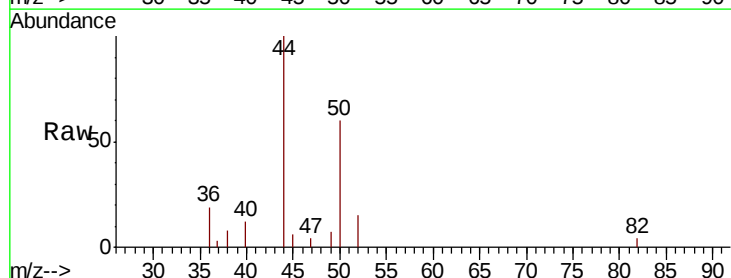
Acq: 21 Aug 2018 12:43

Tgt Ion: 50 Resp: 4368

Ion Ratio Lower Upper

50 100

52 26.0 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

3000

2000

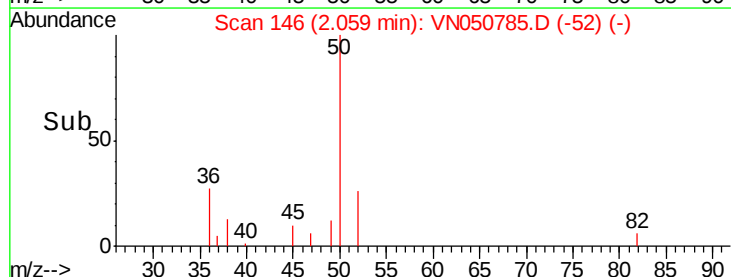
1000

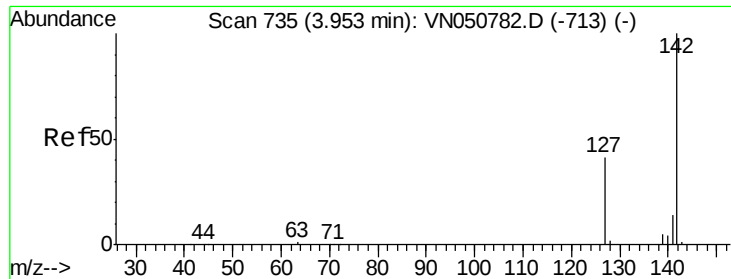
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Time-->

2.05

2.10

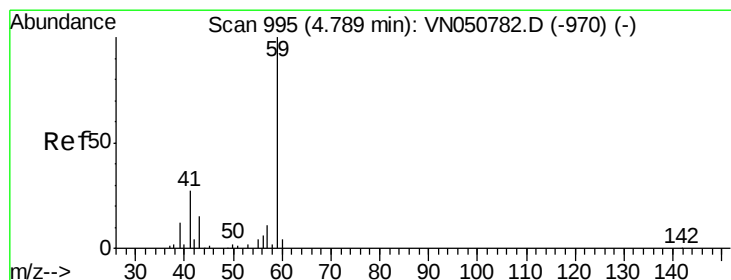
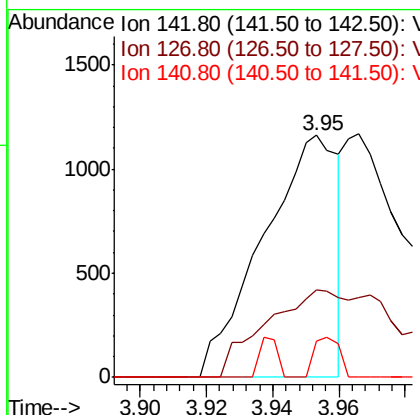
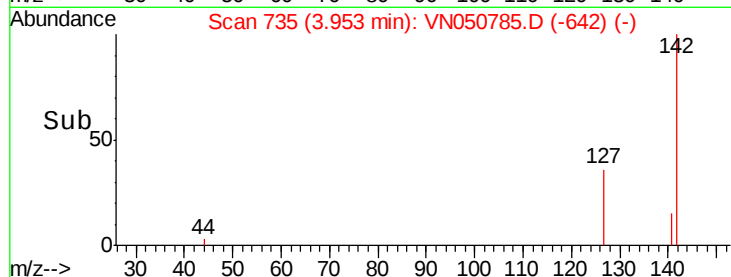
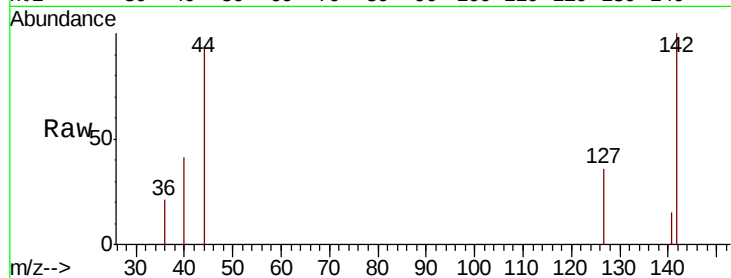




#10
Methvl Iodide
Concen: 6.553 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN050785.D
Acq: 21 Aug 2018 12:43

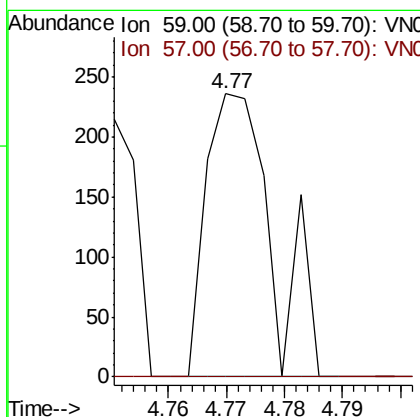
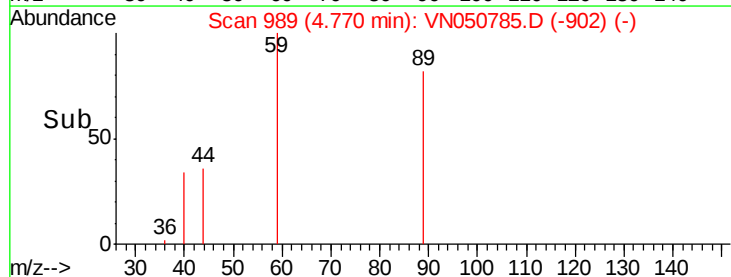
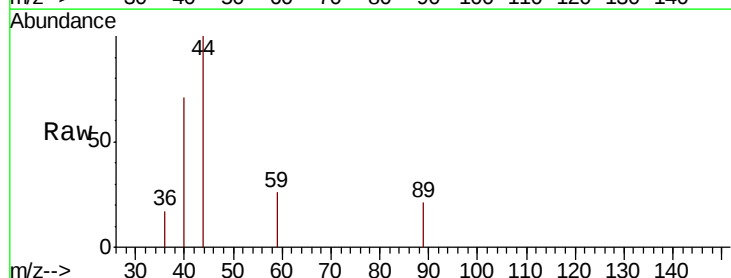
Instrument :
MSVOA_N
ClientSampled :
I.BLK

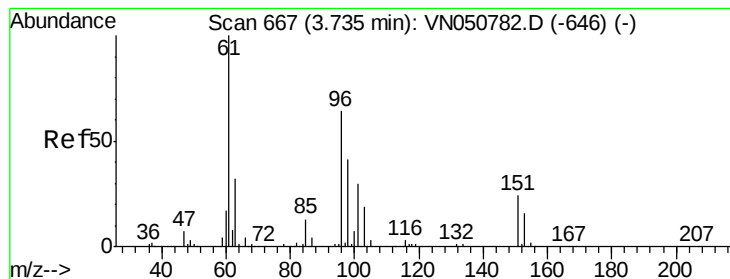
Tot Ion:142 Resp: 1821
Ion Ratio Lower Upper
142 100
127 39.2 31.7 47.5
141 5.6 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.357 ug/l
RT: 4.77 min Scan# 989
Delta R.T. -0.02 min
Lab File: VN050785.D
Acq: 21 Aug 2018 12:43

Tgt Ion: 59 Resp: 187
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 0.245 ug/l

RT: 3.73 min Scan# 667

Delta R.T. -0.00 min

Lab File: VN050785.D

Acq: 21 Aug 2018 12:43

Instrument :

MSVOA_N

ClientSampled :

I.BLK

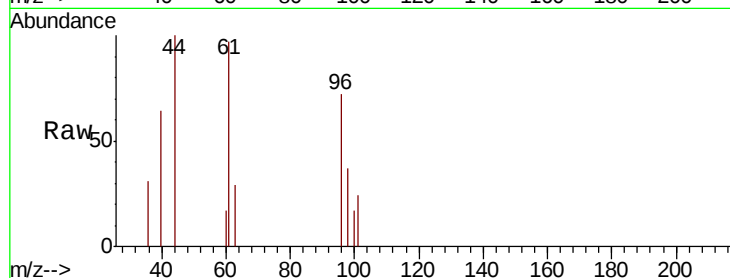
Tot Ion: 96 Resp: 1879

Ion Ratio Lower Upper

96 100

61 135.8 124.9 187.3

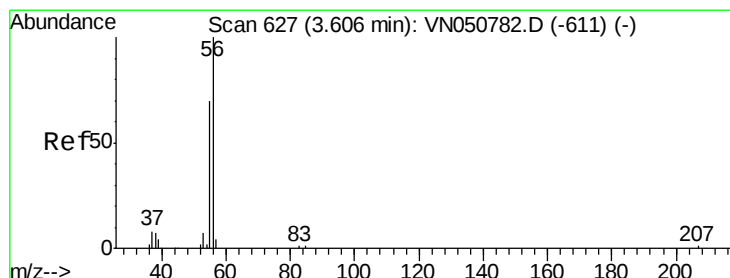
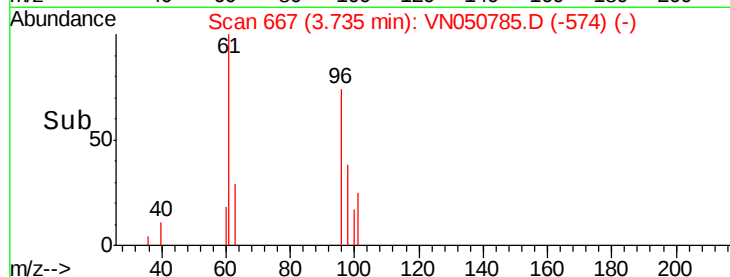
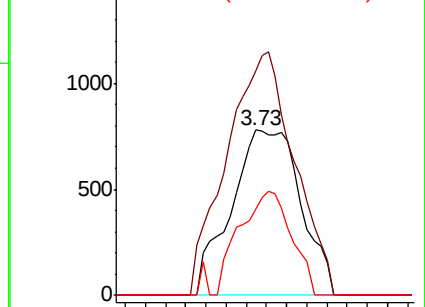
98 51.9 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#13

Acrolein

Concen: 19.250 ug/l

RT: 3.60 min Scan# 625

Delta R.T. -0.01 min

Lab File: VN050785.D

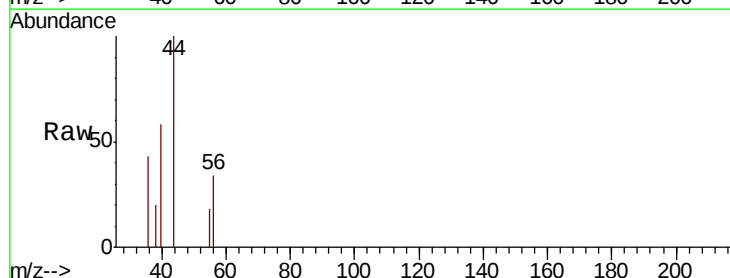
Acq: 21 Aug 2018 12:43

Tgt Ion: 56 Resp: 440

Ion Ratio Lower Upper

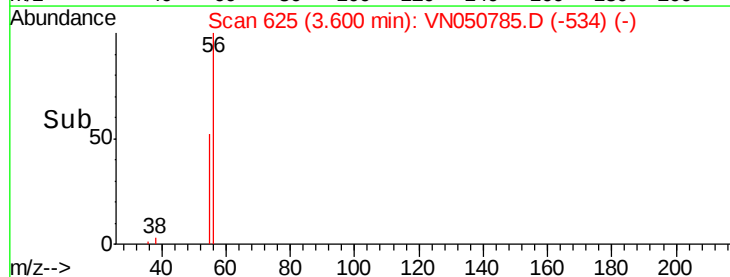
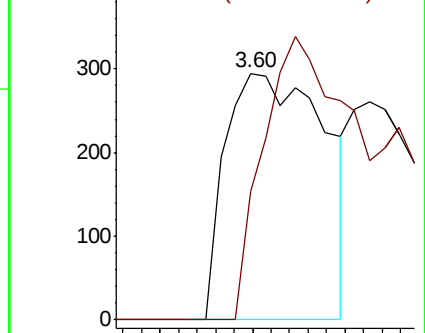
56 100

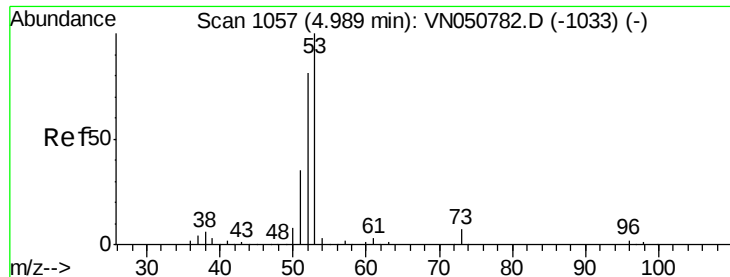
55 127.5 57.7 86.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#15

Acrylonitrile

Concen: 1.199 ug/l

RT: 5.00 min Scan# 1060

Delta R.T. 0.01 min

Lab File: VN050785.D

Acq: 21 Aug 2018 12:43

Instrument :

MSVOA_N

ClientSampled :

I.BLK

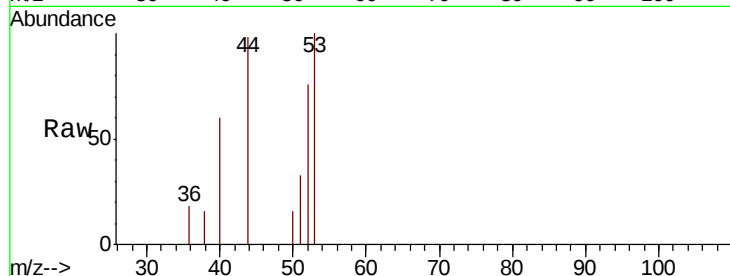
Tot Ion: 53 Resp: 3187

Ion Ratio Lower Upper

53 100

52 99.4 65.9 98.9#

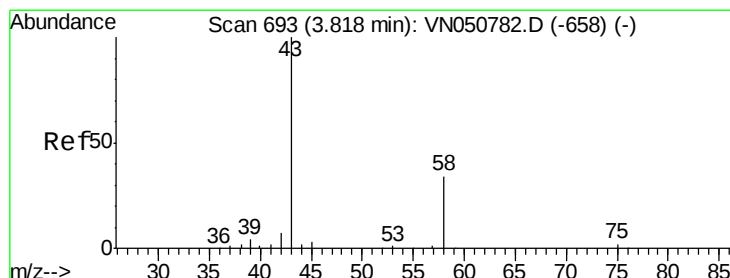
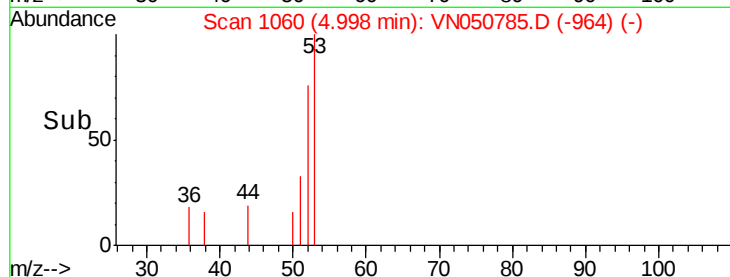
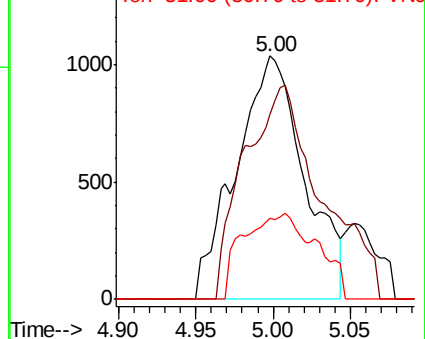
51 37.5 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050785.D

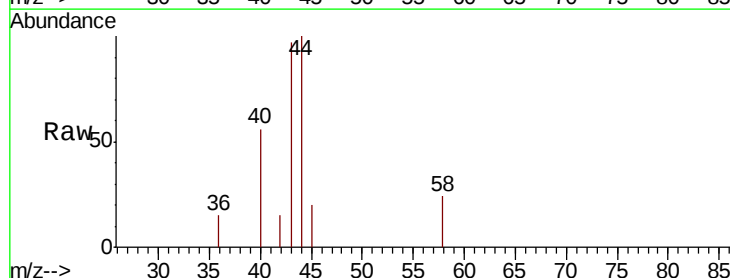
Acq: 21 Aug 2018 12:43

Tgt Ion: 43 Resp: 2871

Ion Ratio Lower Upper

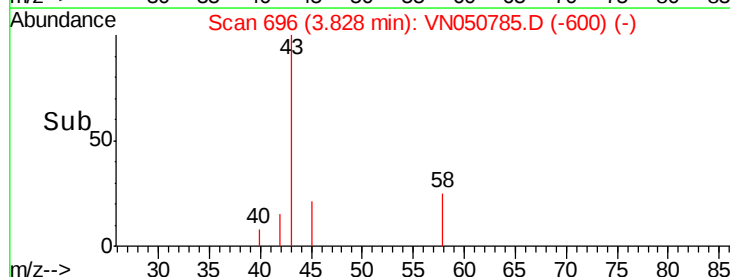
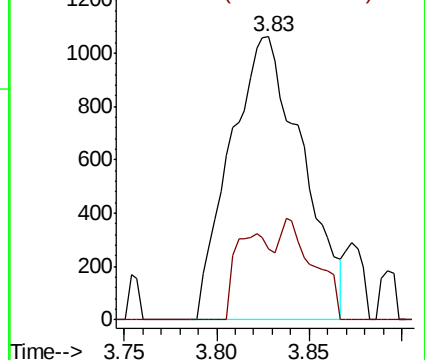
43 100

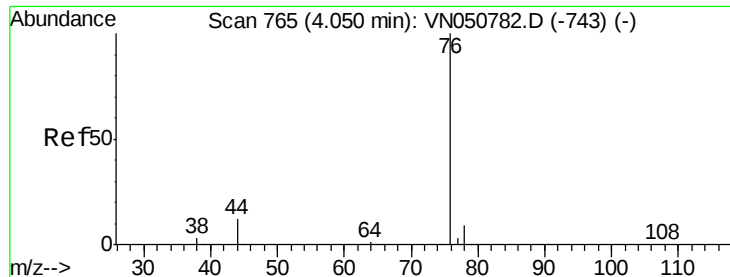
58 24.9 27.2 40.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

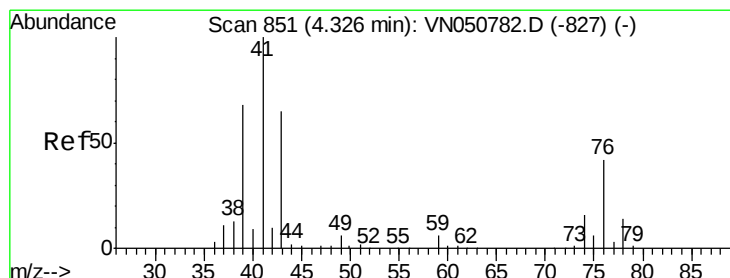
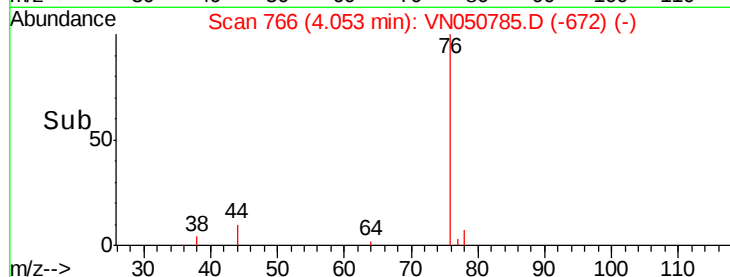
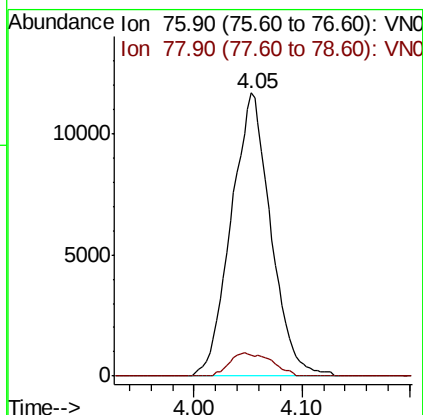
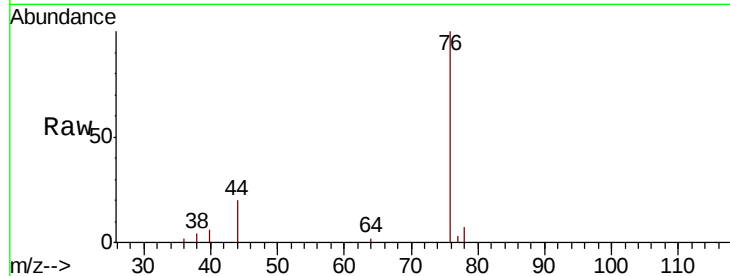




#17
Carbon Disulfide
Concen: 1.158 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050785.D
Acq: 21 Aug 2018 12:43

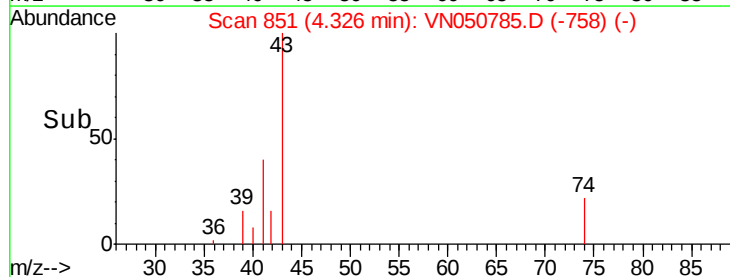
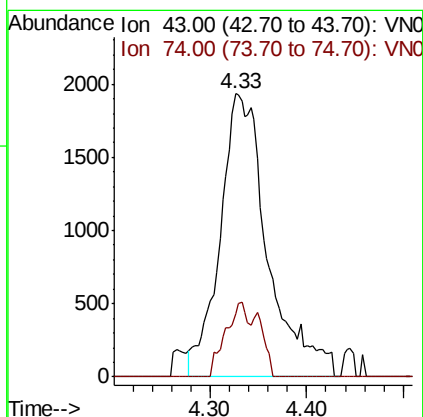
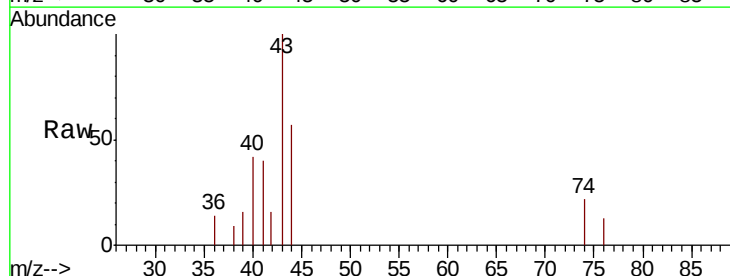
Instrument :
MSVOA_N
ClientSampled :
I.BLK

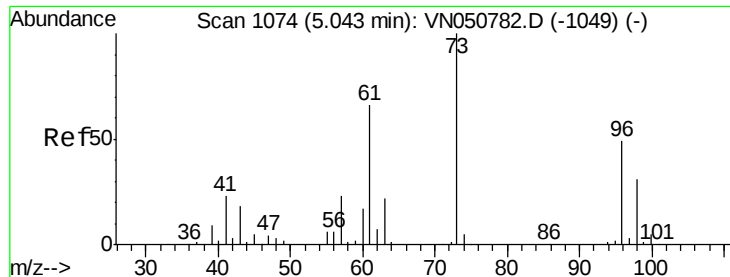
Tot Ion: 76 Resp: 29758
Ion Ratio Lower Upper
76 100
78 7.4 7.3 10.9



#18
Methyl Acetate
Concen: 0.855 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050785.D
Acq: 21 Aug 2018 12:43

Tgt Ion: 43 Resp: 6632
Ion Ratio Lower Upper
43 100
74 12.9 19.8 29.8#





#21

trans-1,2-Dichloroethene

Concen: 0.305 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050785.D

Acq: 21 Aug 2018 12:43

Instrument :

MSVOA_N

ClientSampled :

I.BLK

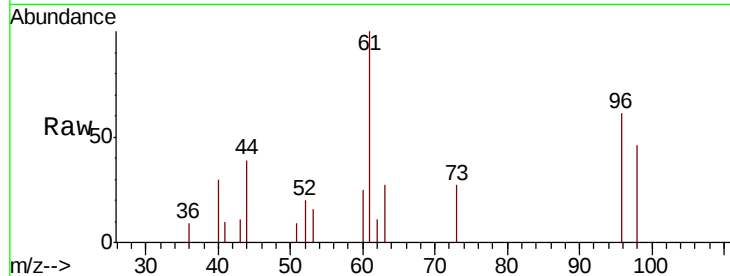
Tot Ion: 96 Resp: 2527

Ion Ratio Lower Upper

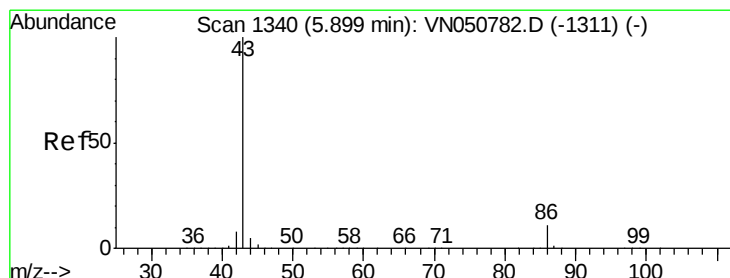
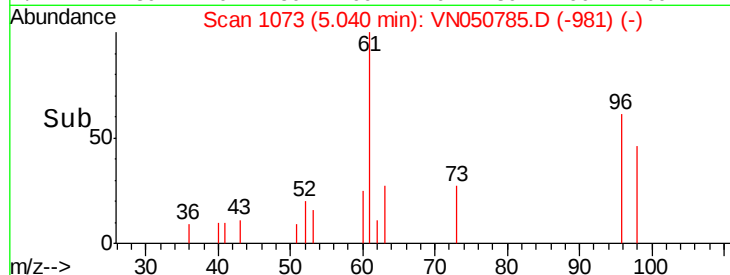
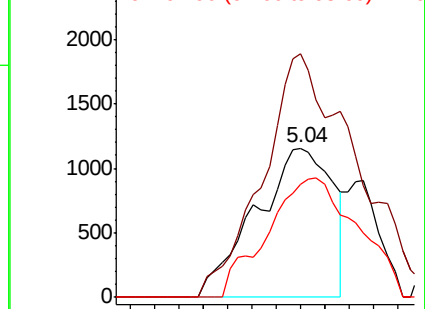
96 100

61 163.0 107.4 161.0#

98 75.6 50.7 76.1



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#23

Vinyl Acetate

Concen: 0.316 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050785.D

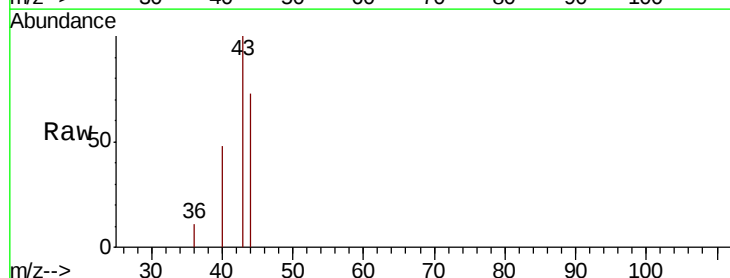
Acq: 21 Aug 2018 12:43

Tgt Ion: 43 Resp: 4850

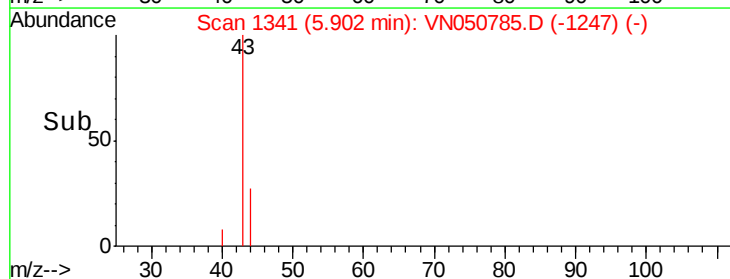
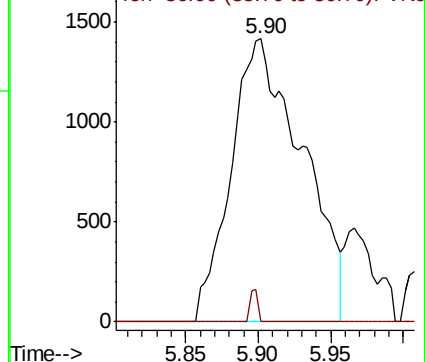
Ion Ratio Lower Upper

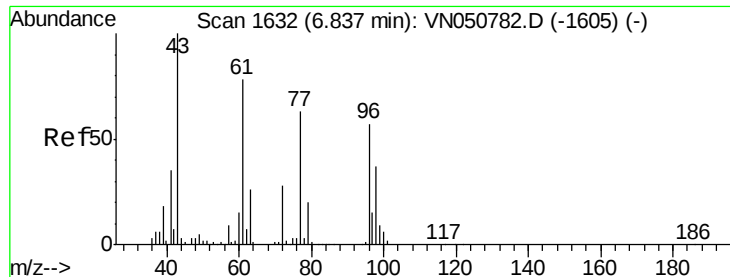
43 100

86 0.0 8.7 13.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0

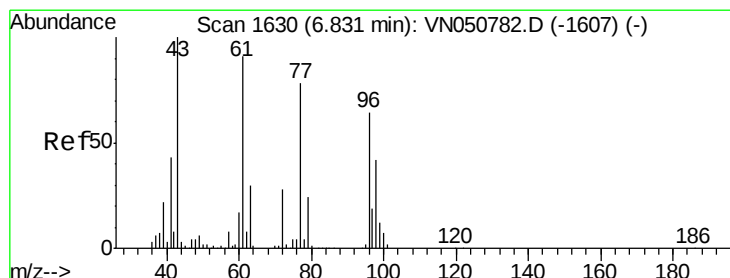
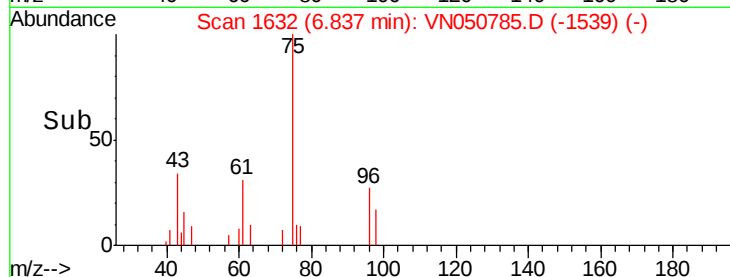
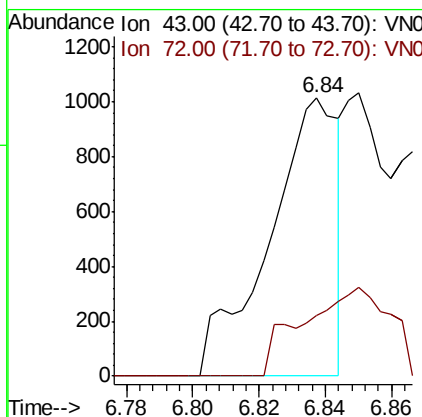
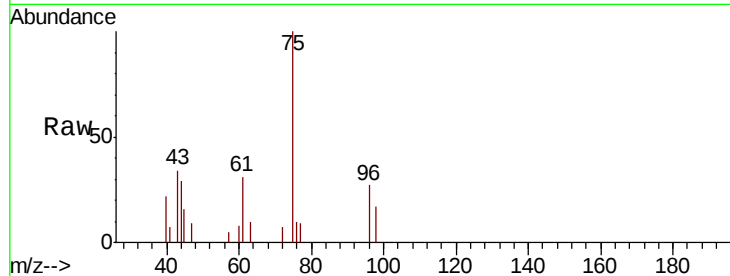




#25
 2-Butanone
 Concen: 0.442 ug/l
 RT: 6.84 min Scan# 1632
 Delta R.T. -0.00 min
 Lab File: VN050785.D
 Acq: 21 Aug 2018 12:43

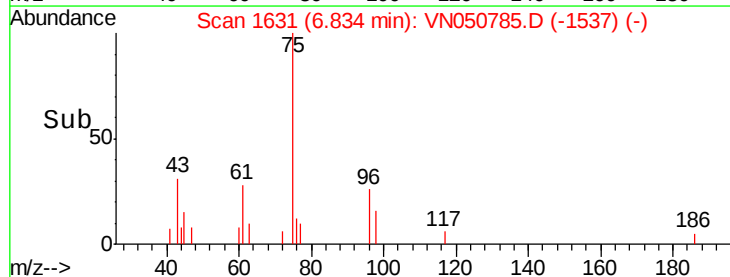
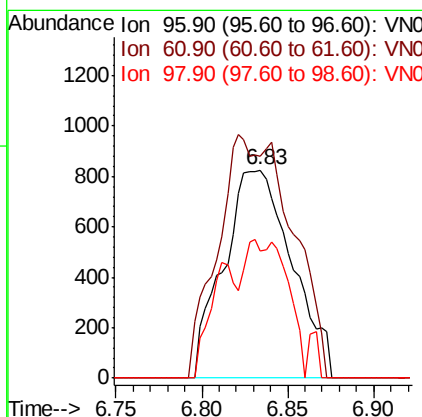
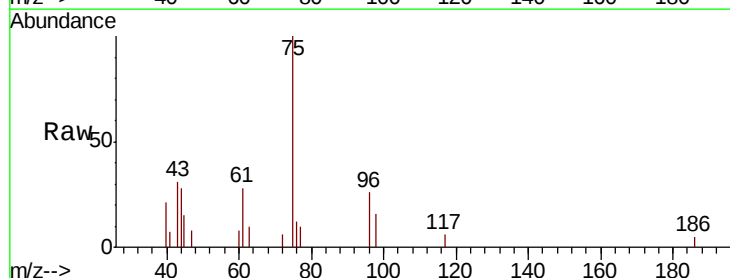
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

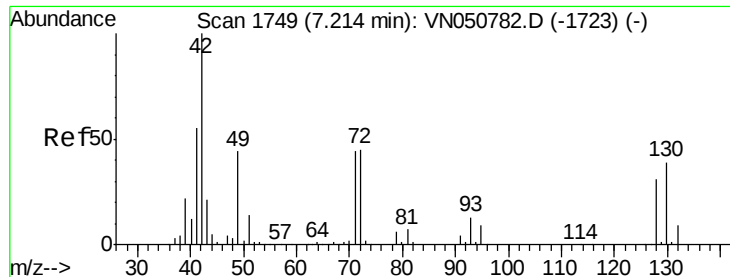
Tot Ion: 43 Resp: 1464
 Ion Ratio Lower Upper
 43 100
 72 21.6 22.3 33.5#



#27
 cis-1,2-Dichloroethene
 Concen: 0.257 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050785.D
 Acq: 21 Aug 2018 12:43

Tgt Ion: 96 Resp: 2294
 Ion Ratio Lower Upper
 96 100
 61 72.0 0.0 283.4
 98 7.1 0.0 129.8





#29

Tetrahydrofuran

Concen: 1.421 ug/l

RT: 7.23 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VN050785.D

Acq: 21 Aug 2018 12:43

Instrument :

MSVOA_N

ClientSampled :

I.BLK

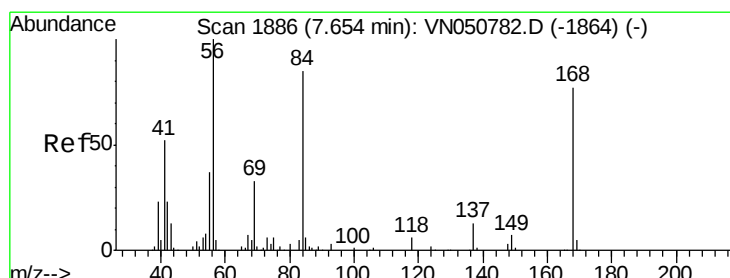
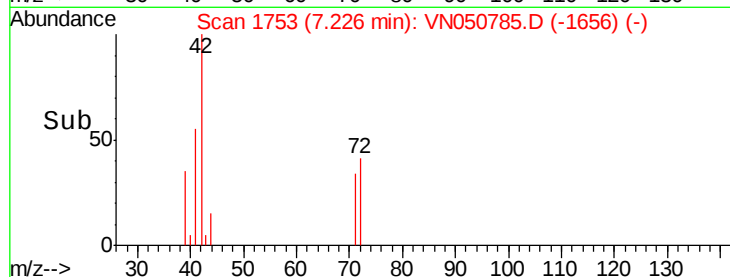
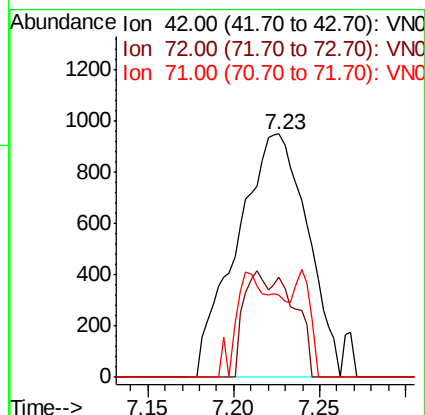
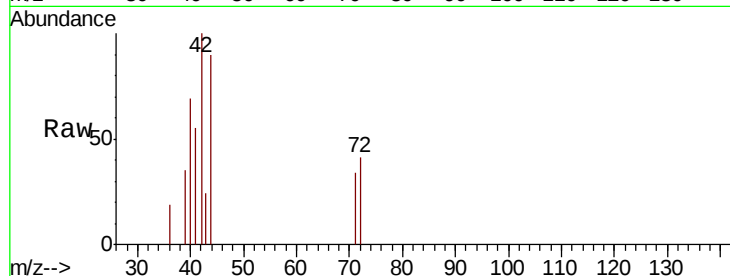
Tot Ion: 42 Resp: 2698

Ion Ratio Lower Upper

42 100

72 0.0 35.5 53.3#

71 9.8 33.7 50.5#



#31

Cyclohexane

Concen: 1.423 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050785.D

Acq: 21 Aug 2018 12:43

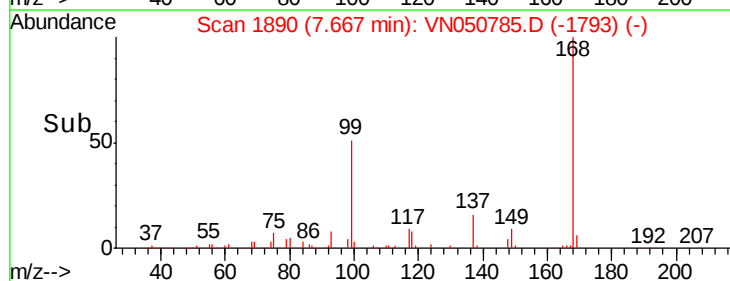
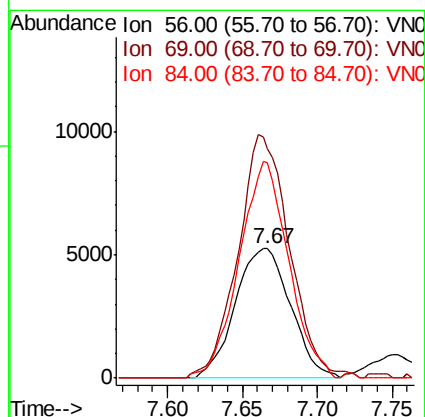
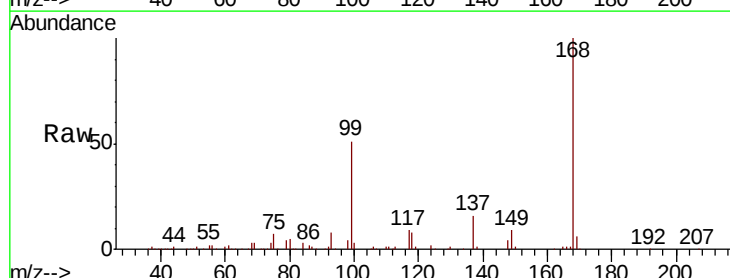
Tgt Ion: 56 Resp: 13492

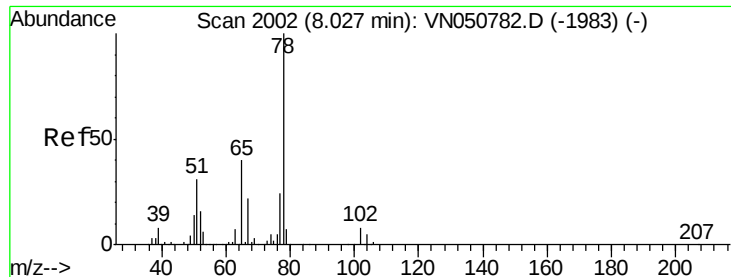
Ion Ratio Lower Upper

56 100

69 174.9 26.2 39.4#

84 166.6 68.3 102.5#

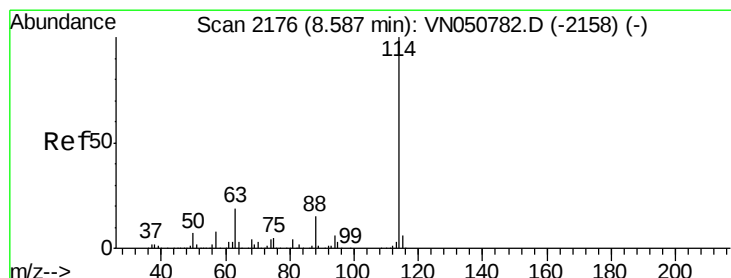
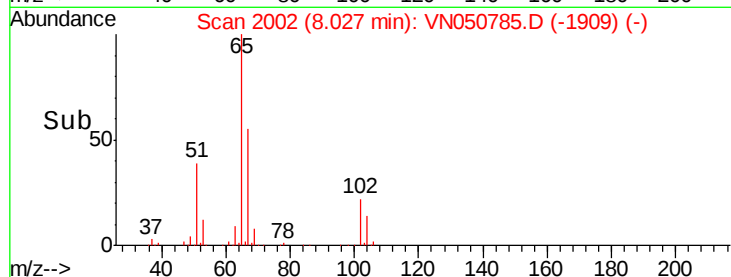
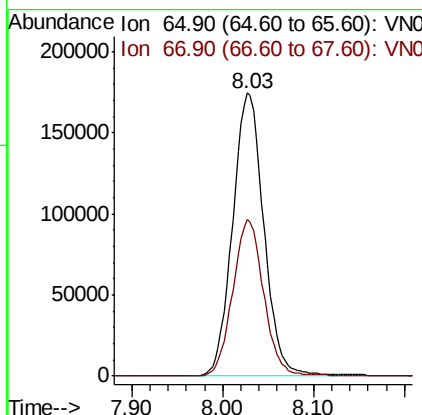
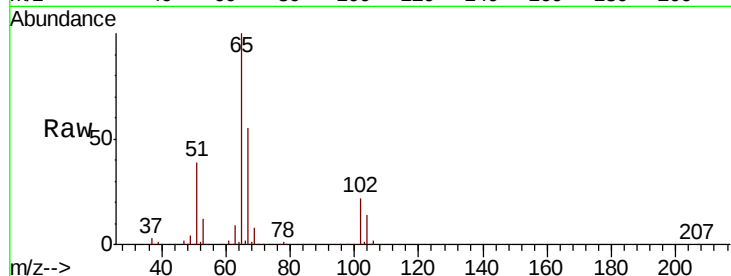




#33
 1,2-Dichloroethane-d4
 Concen: 50.635 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050785.D
 Acq: 21 Aug 2018 12:43

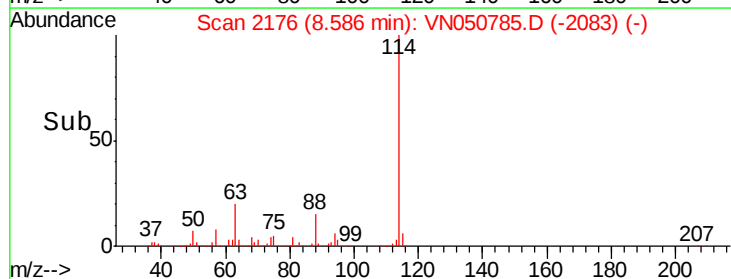
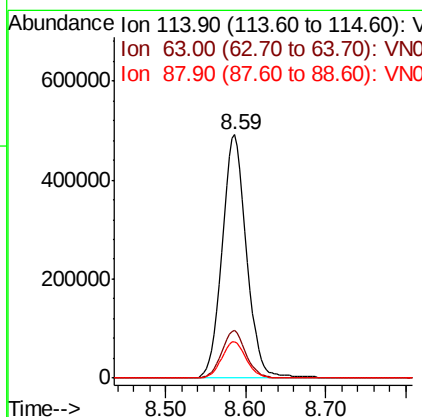
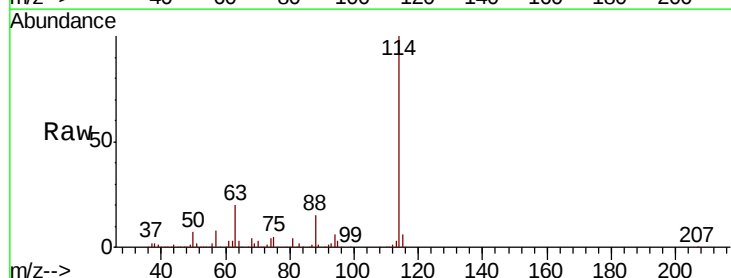
Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

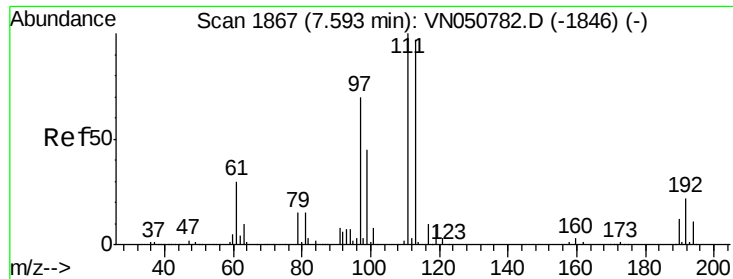
Tot Ion: 65 Resp: 416013
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050785.D
 Acq: 21 Aug 2018 12:43

Tgt Ion: 114 Resp: 1032777
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 15.1 0.0 30.6

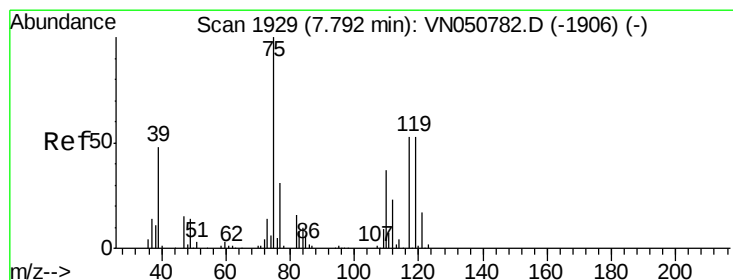
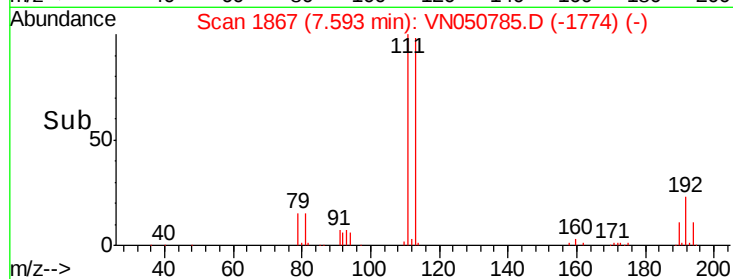
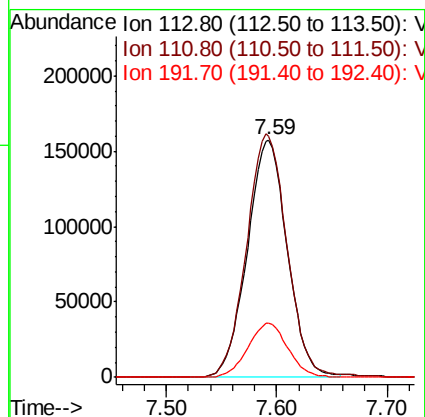
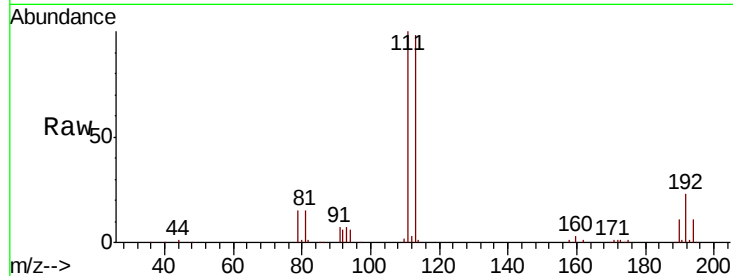




#35
 Dibromofluoromethane
 Concen: 48.124 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050785.D
 Acq: 21 Aug 2018 12:43

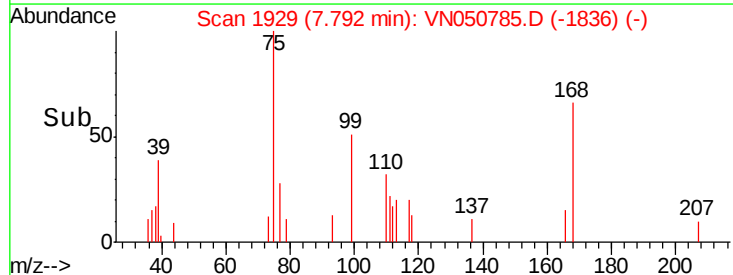
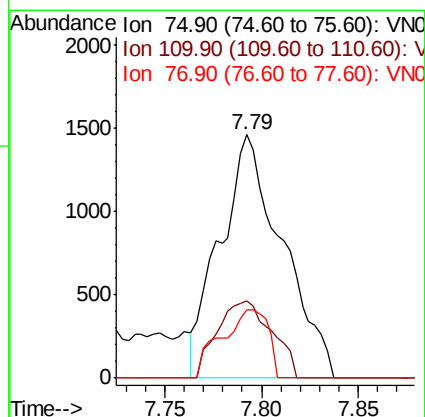
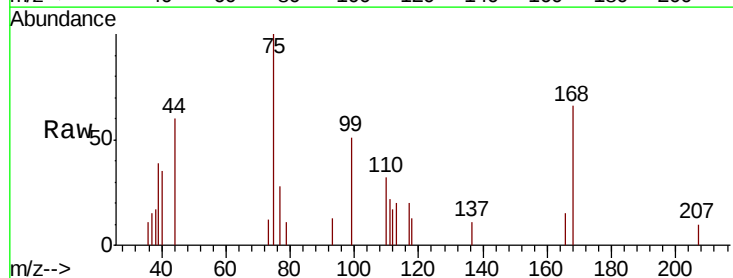
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

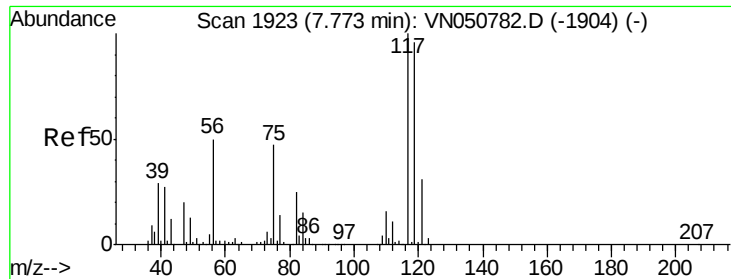
Tot Ion:113 Resp: 395401
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.6 123.8
 192 22.9 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 0.268 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050785.D
 Acq: 21 Aug 2018 12:43

Tgt Ion: 75 Resp: 3261
 Ion Ratio Lower Upper
 75 100
 110 27.8 18.1 54.4
 77 21.2 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 4.835 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.11 min

Lab File: VN050785.D

Acq: 21 Aug 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

I.BLK

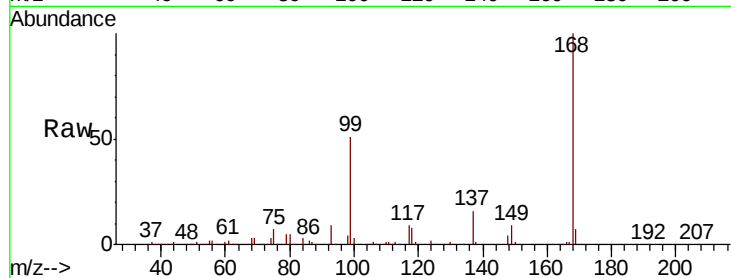
Tot Ion:117 Resp: 59562

Ion Ratio Lower Upper

117 100

119 6.2 76.3 114.5#

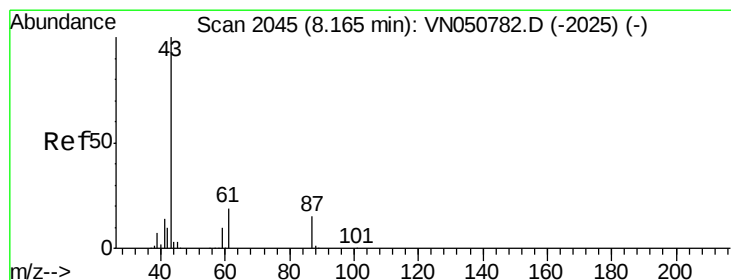
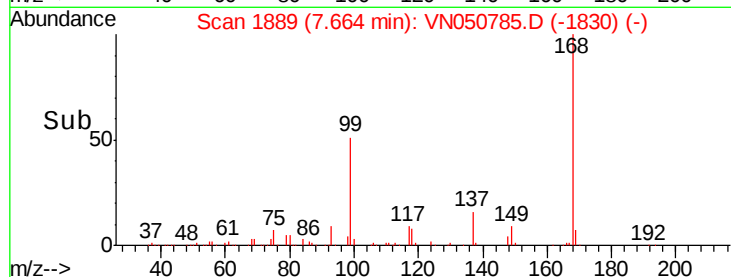
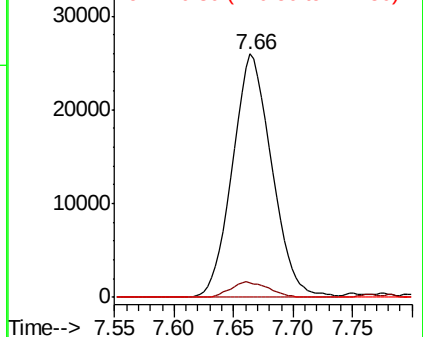
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 1.443 ug/l

RT: 8.28 min Scan# 2081

Delta R.T. 0.12 min

Lab File: VN050785.D

Acq: 21 Aug 2018 12:43

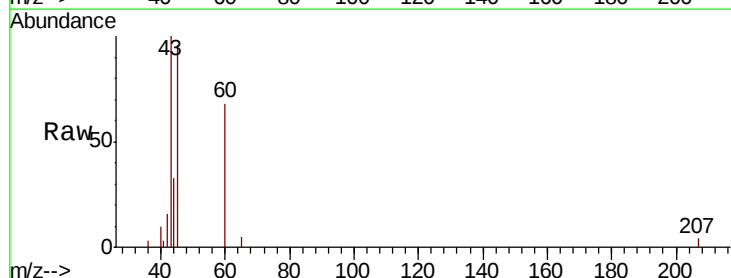
Tgt Ion: 43 Resp: 17373

Ion Ratio Lower Upper

43 100

61 0.0 17.5 26.3#

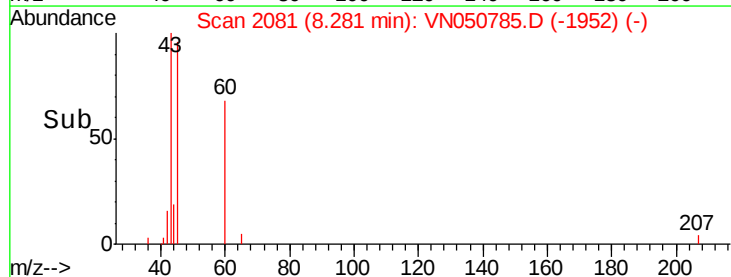
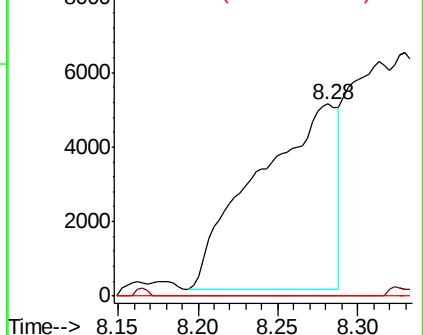
87 0.0 11.3 16.9#

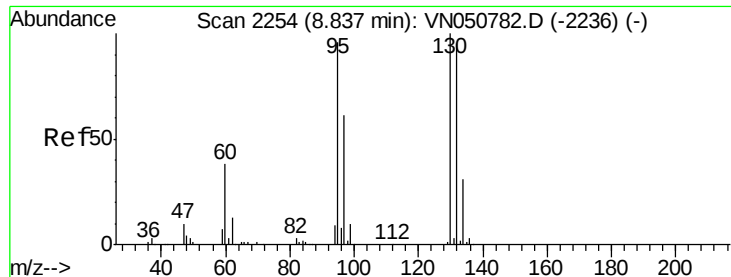


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

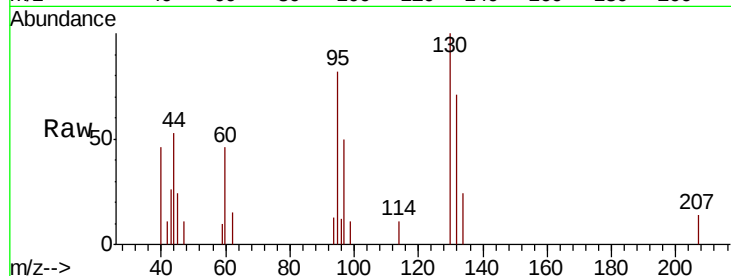




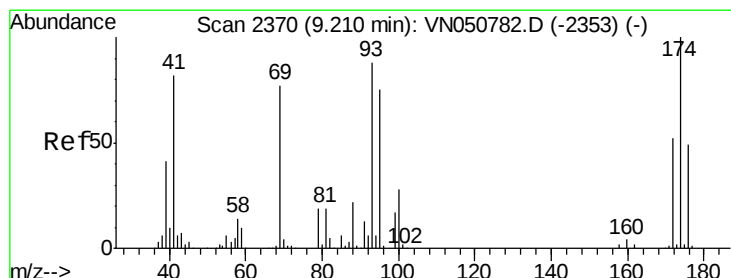
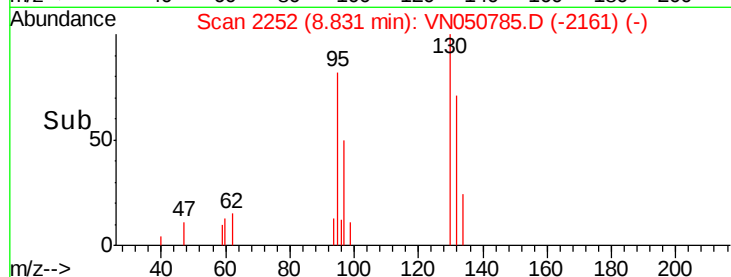
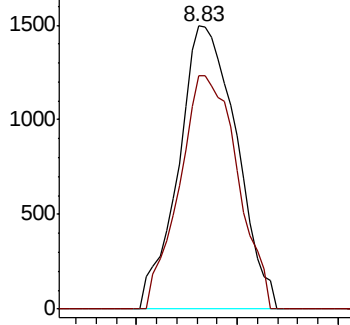
#44
 Trichloroethene
 Concen: 0.309 ug/l
 RT: 8.83 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VN050785.D
 Acq: 21 Aug 2018 12:43

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Tot Ion:130 Resp: 2998
 Ion Ratio Lower Upper
 130 100
 95 82.3 0.0 193.0

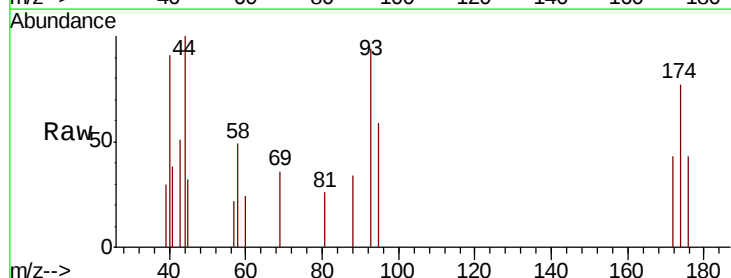


Abundance Ion 129.80 (129.50 to 130.50): VN050782.D (-2236) (-)
 Ion 94.90 (94.60 to 95.60): VN050785.D (-2161) (-)

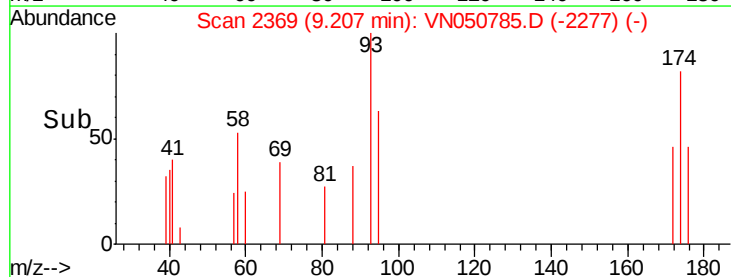
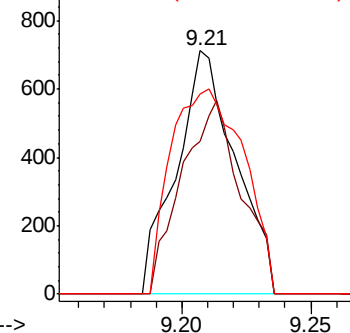


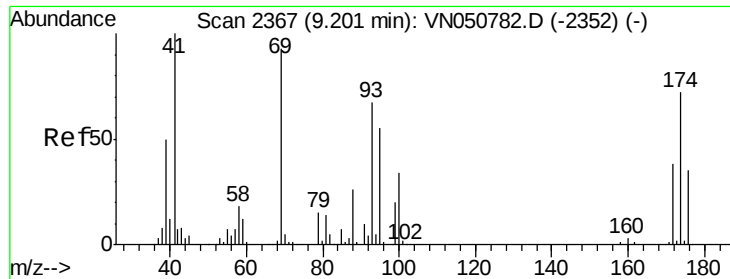
#46
 Dibromomethane
 Concen: 0.201 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN050785.D
 Acq: 21 Aug 2018 12:43

Tgt Ion: 93 Resp: 1142
 Ion Ratio Lower Upper
 93 100
 95 79.9 66.7 100.1
 174 104.0 89.8 134.6



Abundance Ion 92.80 (92.50 to 93.50): VN050782.D (-2353) (-)
 Ion 94.80 (94.50 to 95.50): VN050785.D (-2277) (-)
 Ion 173.70 (173.40 to 174.40): VN050785.D (-2277) (-)





#49

1,4-Dioxane

Concen: 6.553 ug/l

RT: 9.19 min Scan# 2364

Delta R.T. -0.01 min

Lab File: VN050785.D

Acq: 21 Aug 2018 12:43

Instrument :

MSVOA_N

ClientSampled :

I.BLK

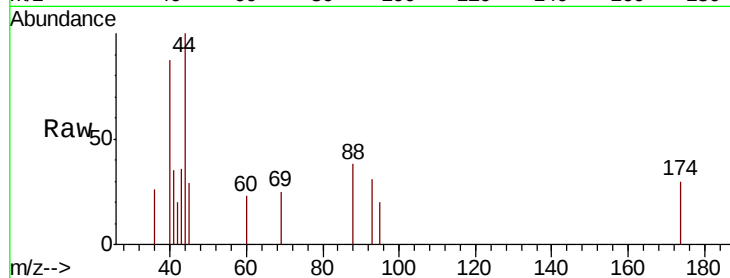
Tot Ion: 88 Resp: 548

Ion Ratio Lower Upper

88 100

43 24.8 25.9 38.9#

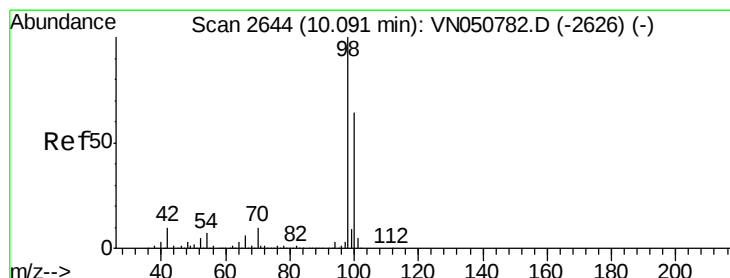
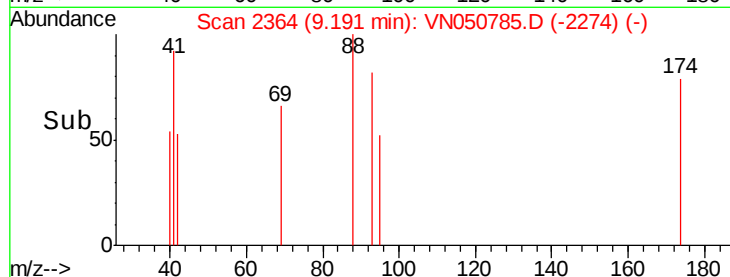
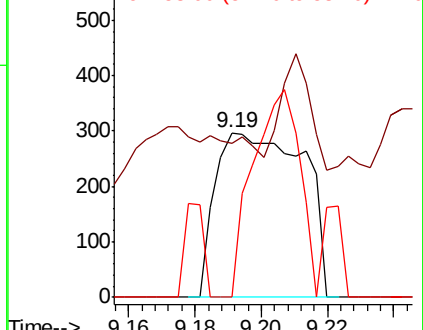
58 11.9 55.0 82.4#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 47.529 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050785.D

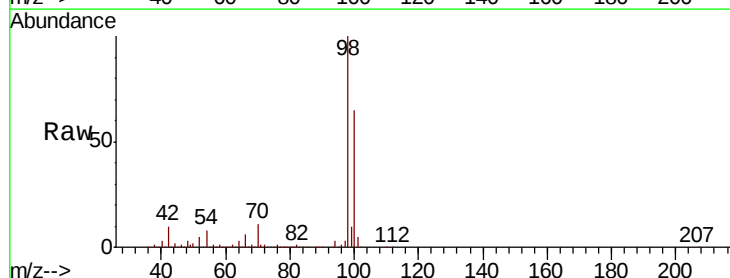
Acq: 21 Aug 2018 12:43

Tgt Ion: 98 Resp: 1460027

Ion Ratio Lower Upper

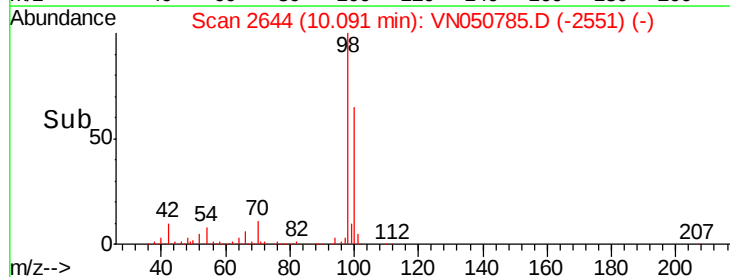
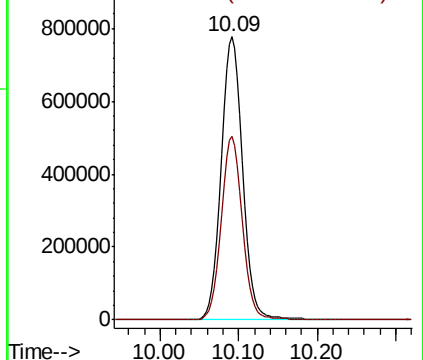
98 100

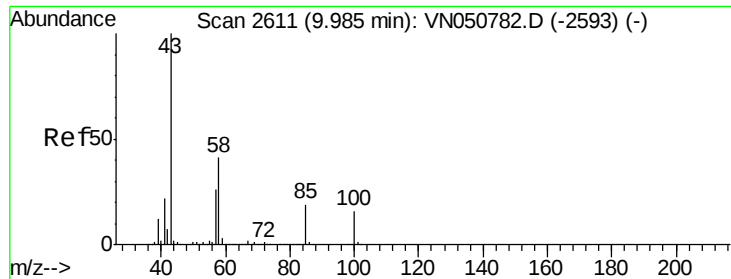
100 63.8 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

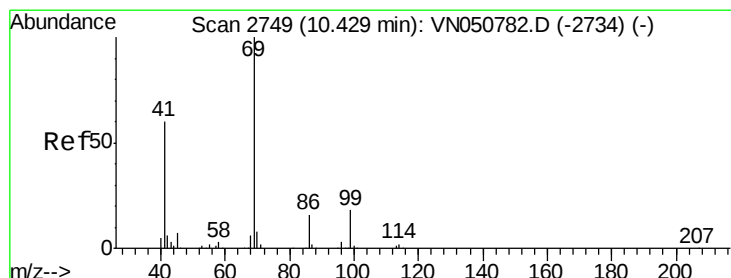
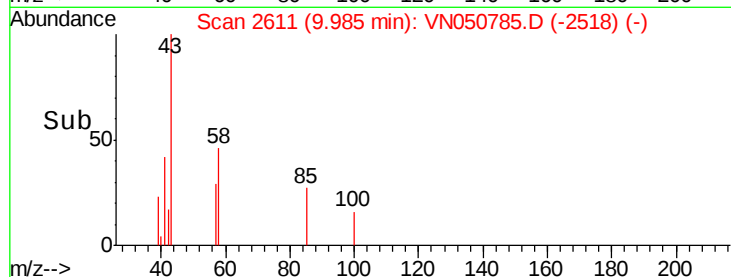
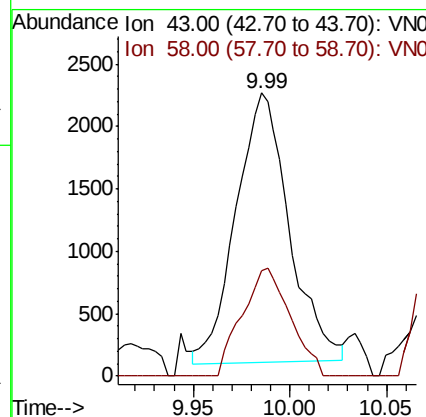
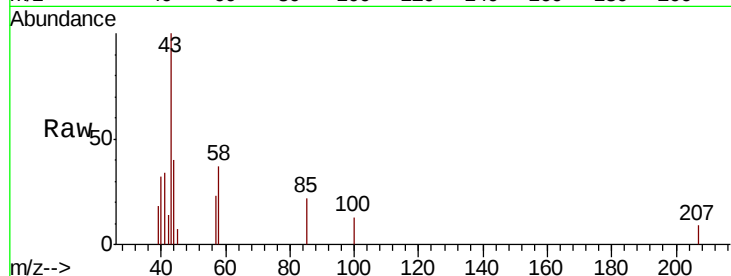




#51
4-Methyl-2-Pentanone
Concen: 0.575 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050785.D
Acq: 21 Aug 2018 12:43

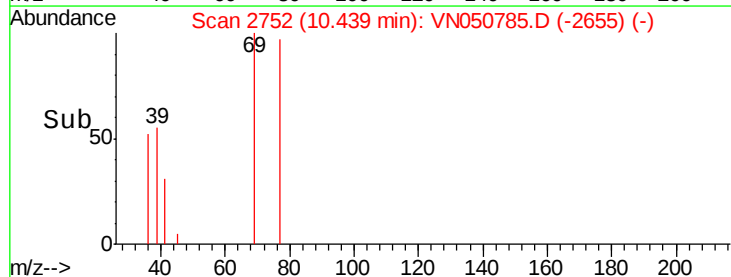
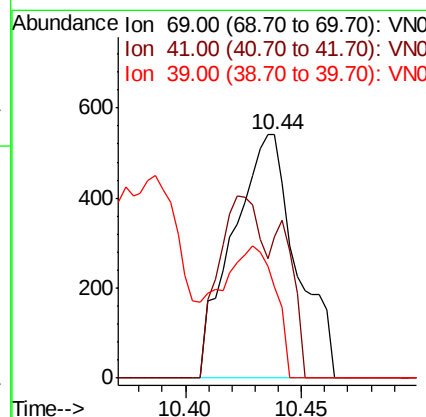
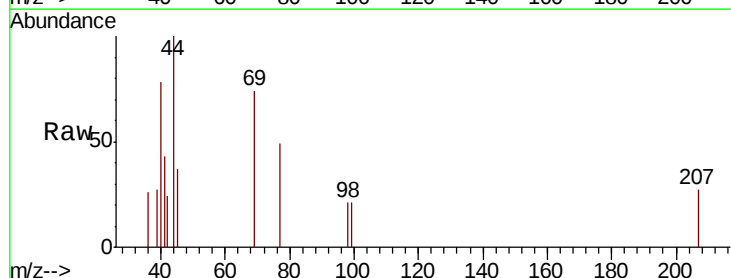
Instrument :
MSVOA_N
ClientSampled :
I.BLK

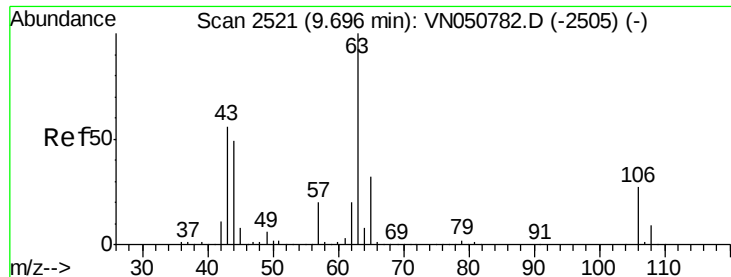
Tot Ion: 43 Resp: 4127
Ion Ratio Lower Upper
43 100
58 36.3 32.4 48.6



#56
Ethyl methacrylate
Concen: 2.443 ug/l
RT: 10.44 min Scan# 2752
Delta R.T. 0.01 min
Lab File: VN050785.D
Acq: 21 Aug 2018 12:43

Tgt Ion: 69 Resp: 1031
Ion Ratio Lower Upper
69 100
41 52.8 48.3 72.5
39 36.4 24.0 36.0#

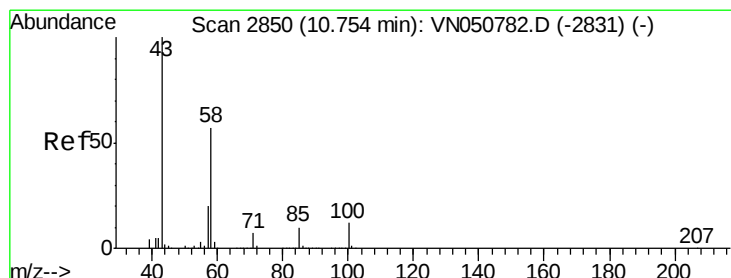
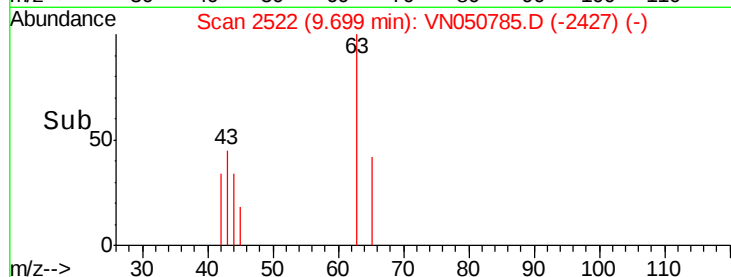
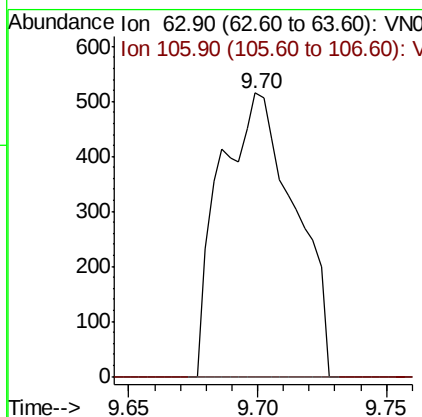
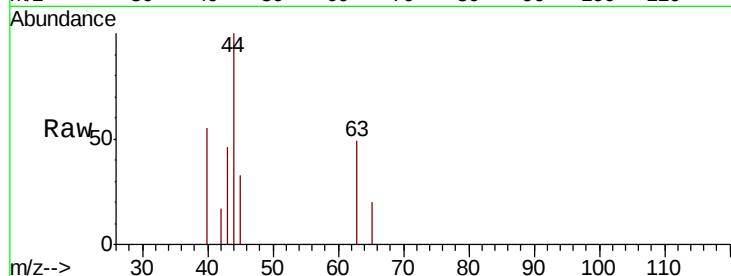




#58
 2-Chloroethyl Vinyl ether
 Concen: 12.437 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050785.D
 Acq: 21 Aug 2018 12:43

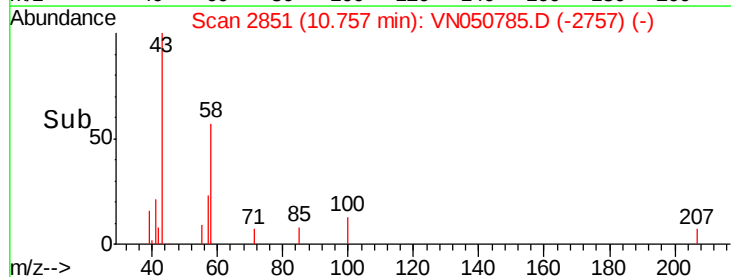
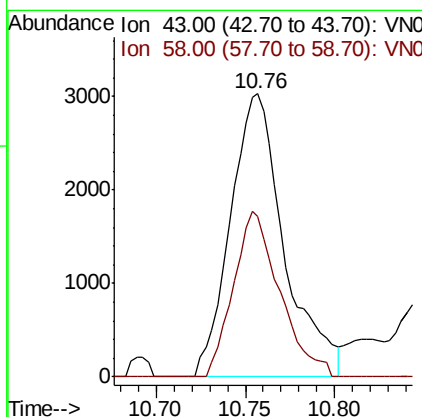
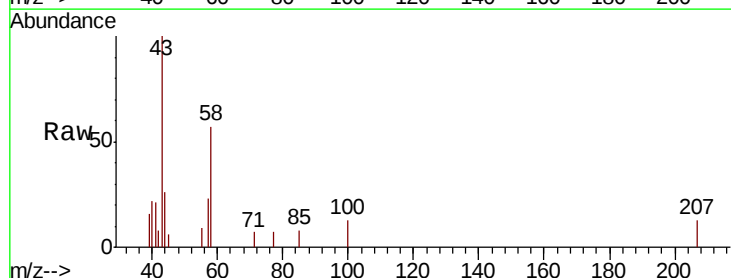
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

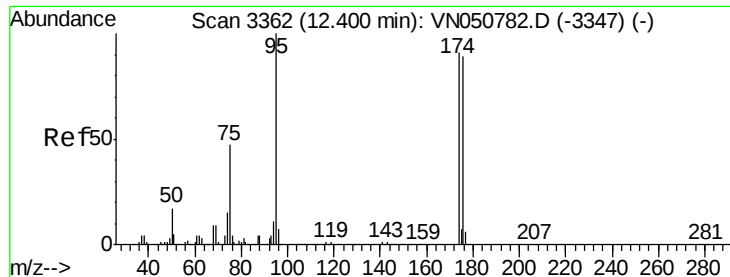
Tot Ion: 63 Resp: 1041
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.9 32.9#



#59
 2-Hexanone
 Concen: 1.333 ug/l
 RT: 10.76 min Scan# 2851
 Delta R.T. 0.00 min
 Lab File: VN050785.D
 Acq: 21 Aug 2018 12:43

Tgt Ion: 43 Resp: 6375
 Ion Ratio Lower Upper
 43 100
 58 50.1 28.3 85.0





#62

4-Bromofluorobenzene

Concen: 38.508 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050785.D

Acq: 21 Aug 2018 12:43

Instrument :

MSVOA_N

ClientSampled :

I.BLK

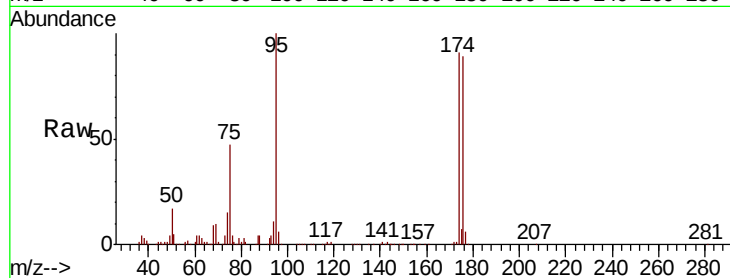
Tot Ion: 95 Resp: 393087

Ion Ratio Lower Upper

95 100

174 91.4 0.0 183.0

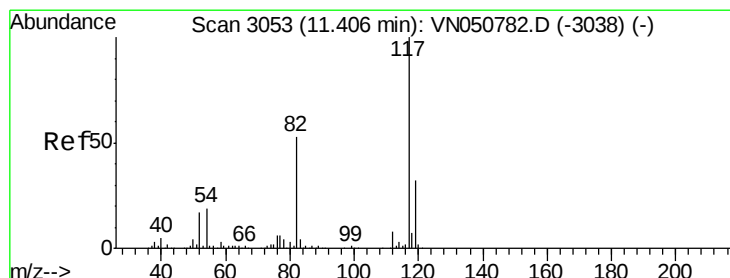
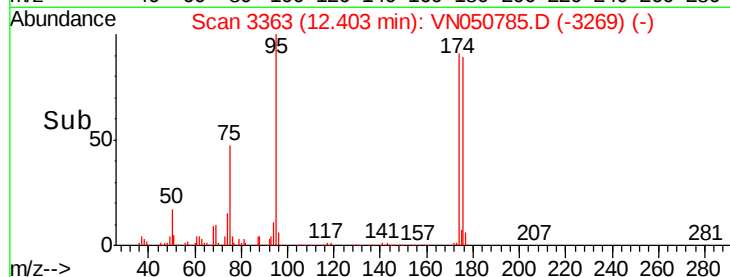
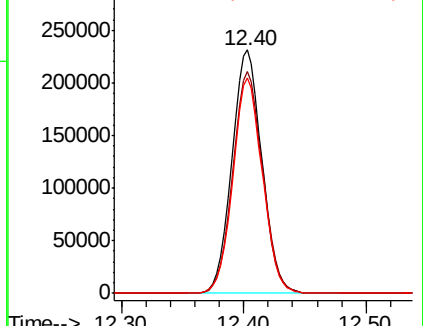
176 87.4 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VN050785.D (-3347) (-)

Ion 173.80 (173.50 to 174.50): VN050785.D (-3347) (-)

Ion 175.80 (175.50 to 176.50): VN050785.D (-3347) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050785.D

Acq: 21 Aug 2018 12:43

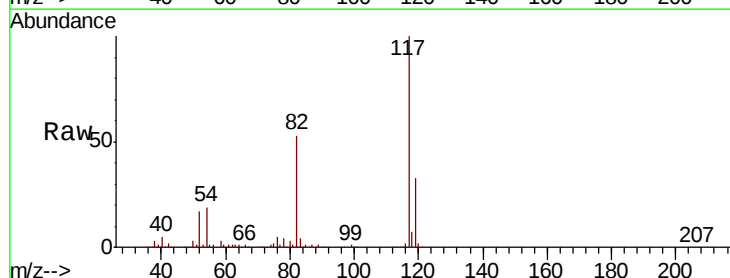
Tgt Ion: 117 Resp: 877296

Ion Ratio Lower Upper

117 100

82 52.9 42.6 64.0

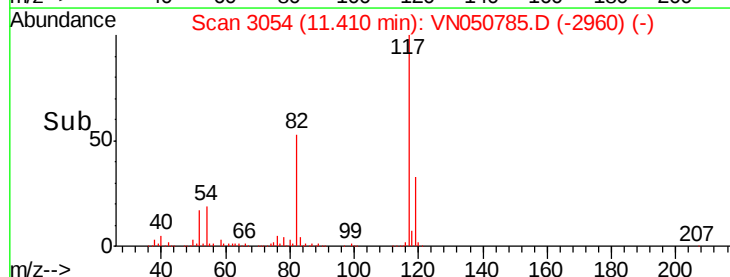
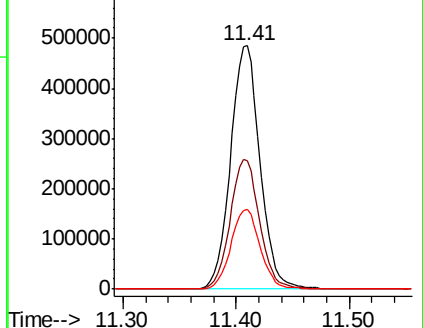
119 32.6 25.8 38.6

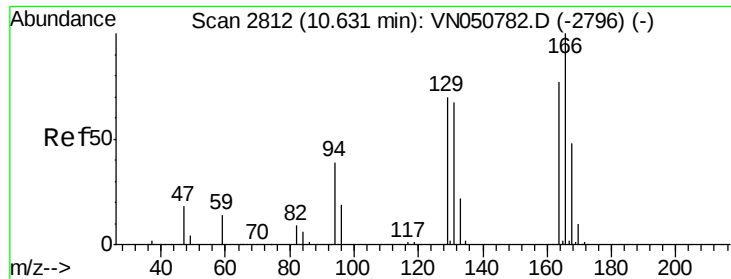


Abundance Ion 116.90 (116.60 to 117.60): VN050785.D (-2960) (-)

Ion 82.00 (81.70 to 82.70): VN050785.D (-2960) (-)

Ion 118.90 (118.60 to 119.60): VN050785.D (-2960) (-)





#64

Tetrachloroethene

Concen: 0.233 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN050785.D

Acq: 21 Aug 2018 12:43

Instrument :

MSVOA_N

ClientSampled :

I.BLK

Tot Ion:164 Resp: 1945

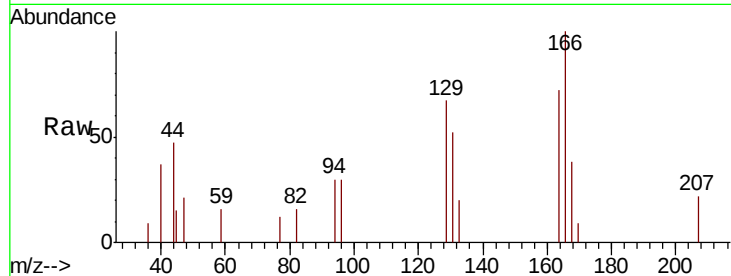
Ion Ratio Lower Upper

164 100

166 139.0 103.5 155.3

129 92.7 72.7 109.1

131 72.8 69.5 104.3

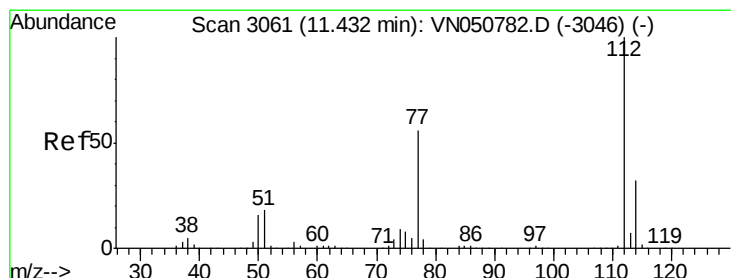
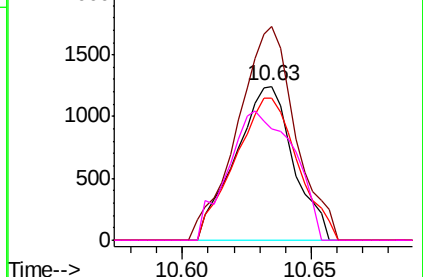
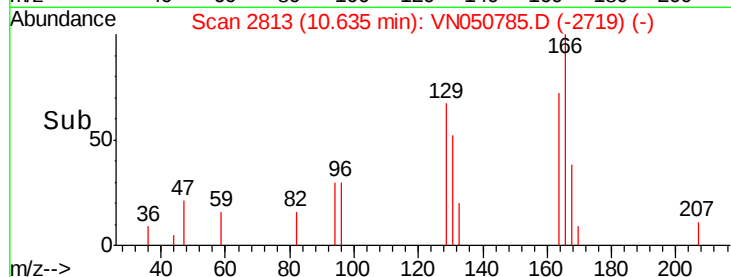


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.274 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050785.D

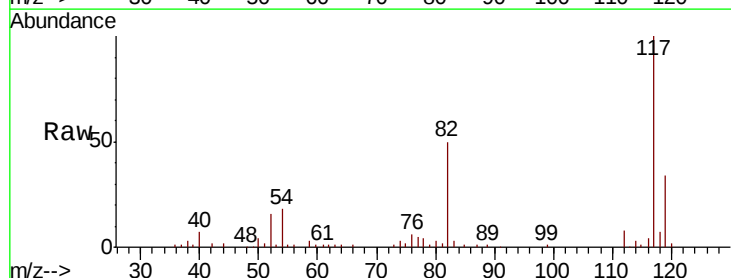
Acq: 21 Aug 2018 12:43

Tgt Ion:112 Resp: 6276

Ion Ratio Lower Upper

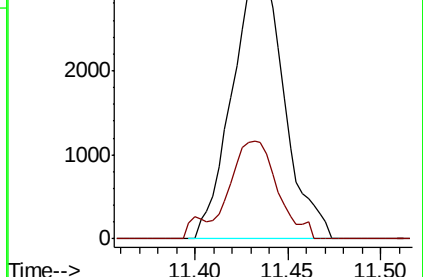
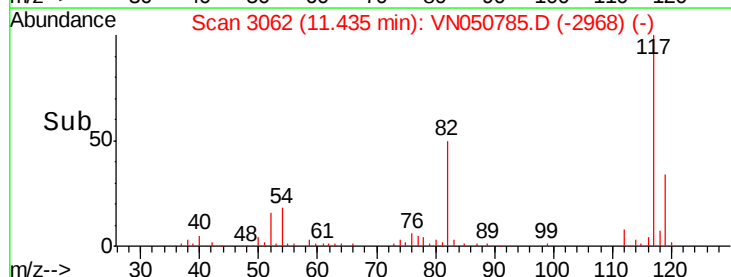
112 100

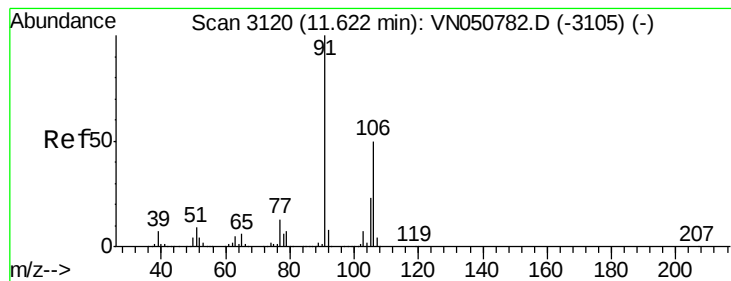
114 34.3 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#68

m/p-Xvlenes

Concen: 0.290 ug/l

RT: 11.62 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN050785.D

Acq: 21 Aug 2018 12:43

Instrument :

MSVOA_N

ClientSampled :

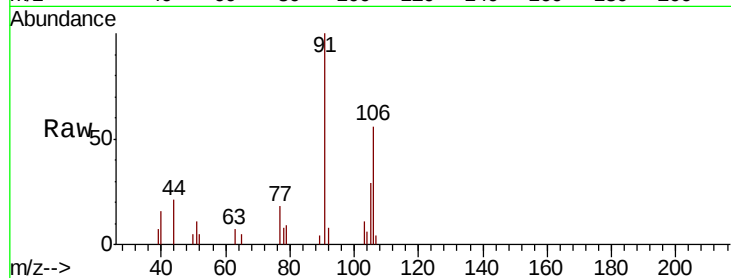
I.BLK

Tot Ion:106 Resp: 4104

Ion Ratio Lower Upper

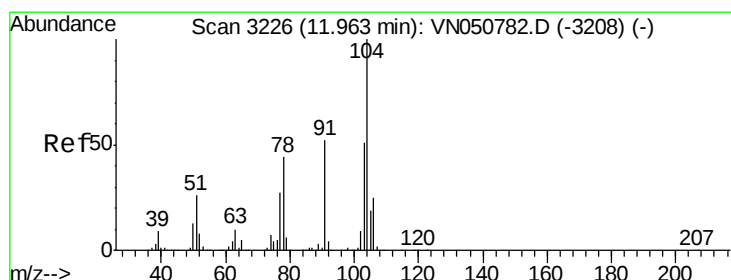
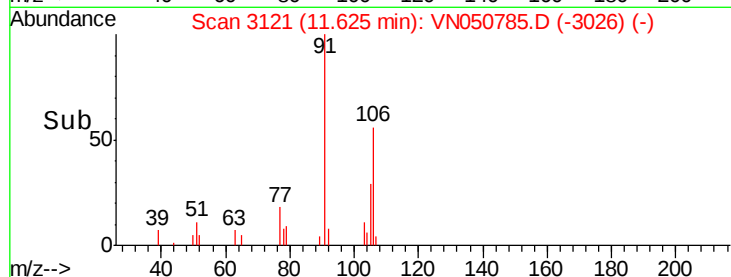
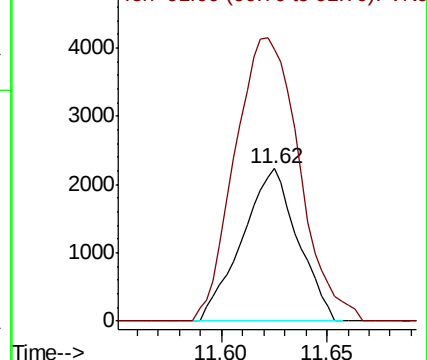
106 100

91 214.9 161.0 241.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 1.436 ug/l

RT: 11.96 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VN050785.D

Acq: 21 Aug 2018 12:43

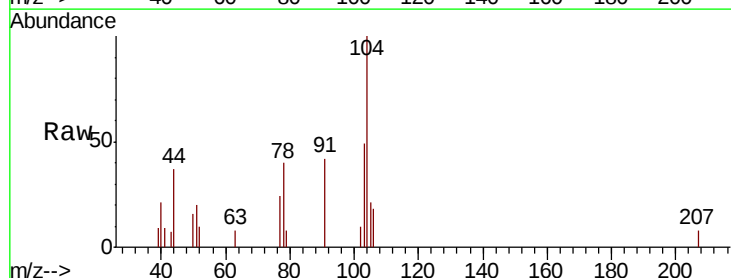
Tgt Ion:104 Resp: 4075

Ion Ratio Lower Upper

104 100

78 48.9 38.2 57.4

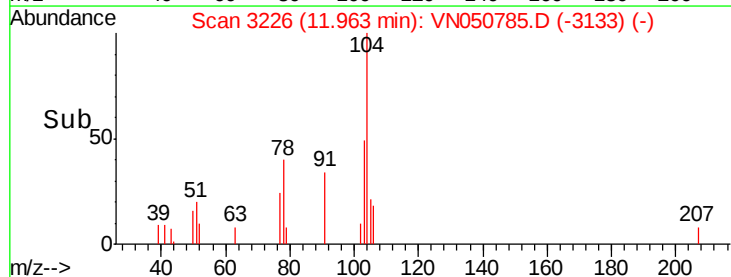
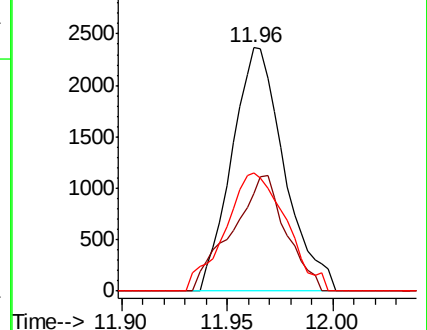
103 56.6 44.4 66.6

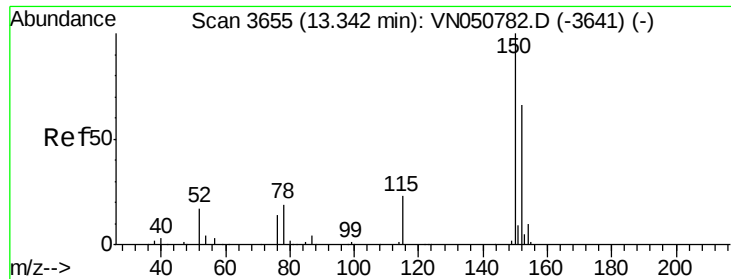


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050785.D

Acq: 21 Aug 2018 12:43

Instrument :

MSVOA_N

ClientSampled :

I.BLK

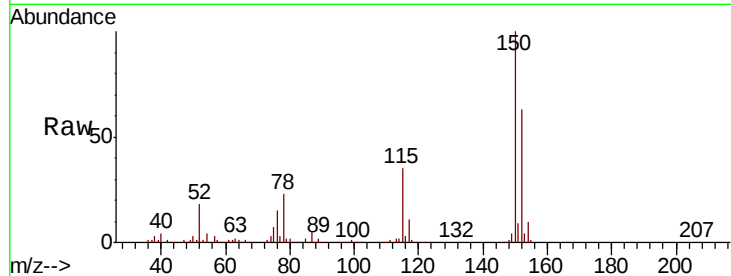
Tot Ion:152 Resp: 291654

Ion Ratio Lower Upper

152 100

115 55.4 27.8 83.4

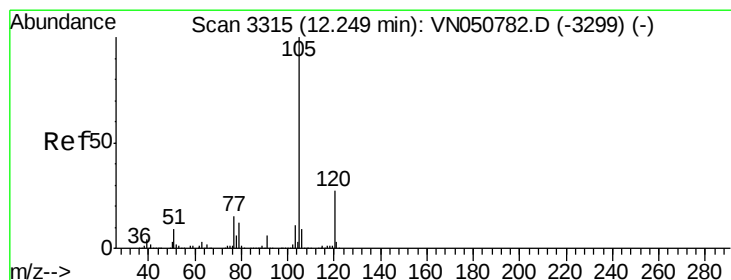
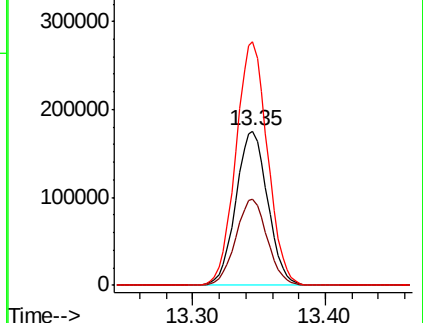
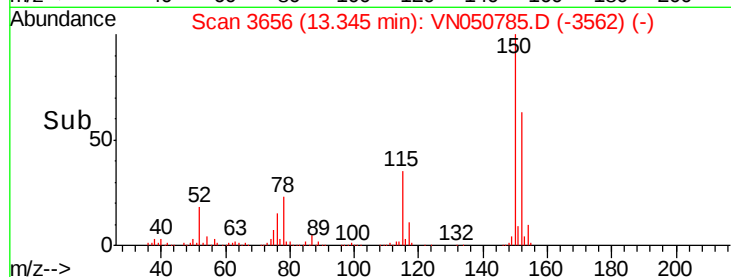
150 157.1 0.0 351.4



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



#73

Isopropylbenzene

Concen: 0.224 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050785.D

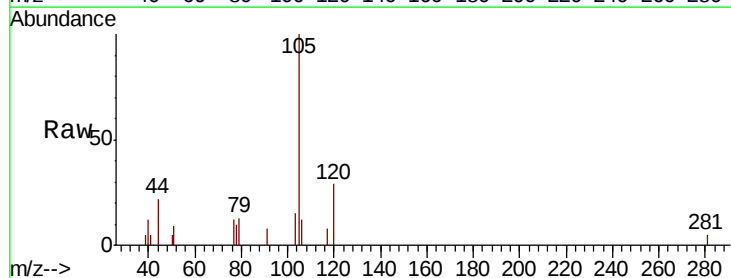
Acq: 21 Aug 2018 12:43

Tgt Ion:105 Resp: 5414

Ion Ratio Lower Upper

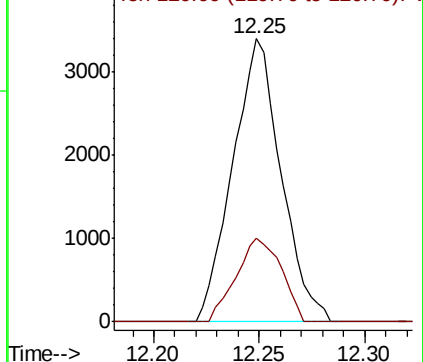
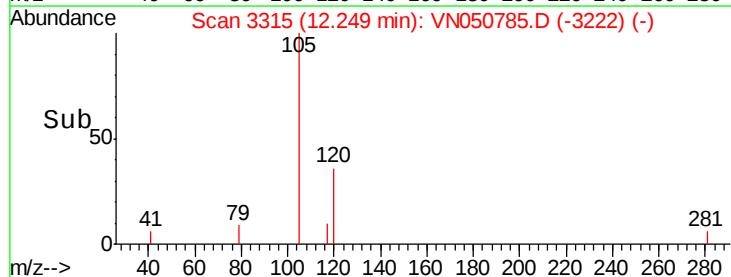
105 100

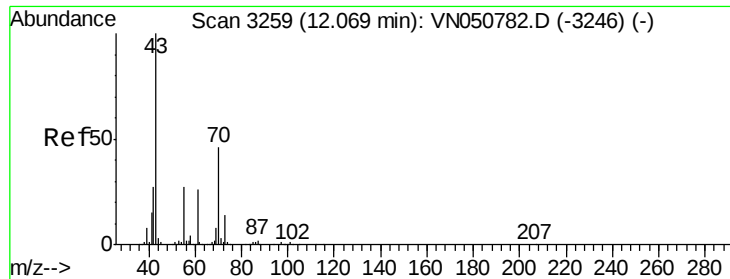
120 27.7 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.639 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050785.D

Acq: 21 Aug 2018 12:43

Instrument :

MSVOA_N

ClientSampled :

I.BLK

Tot Ion: 43 Resp: 3875

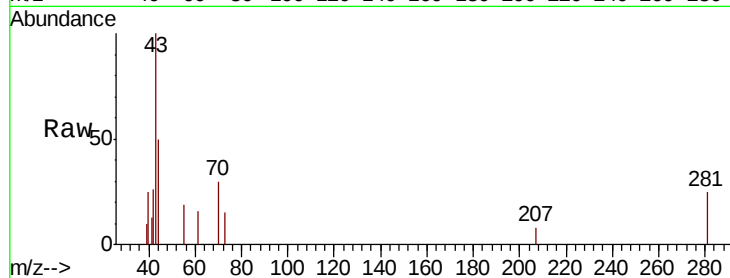
Ion Ratio Lower Upper

43 100

70 33.9 36.2 54.2#

55 11.6 21.8 32.8#

61 14.0 20.5 30.7#

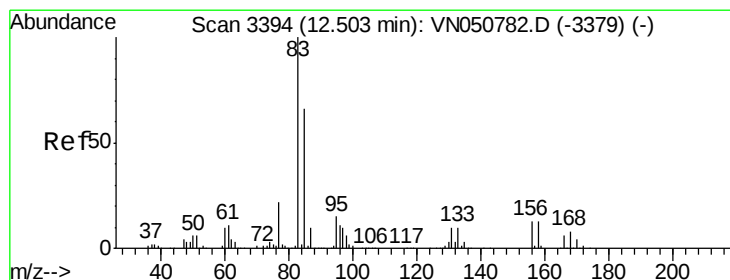
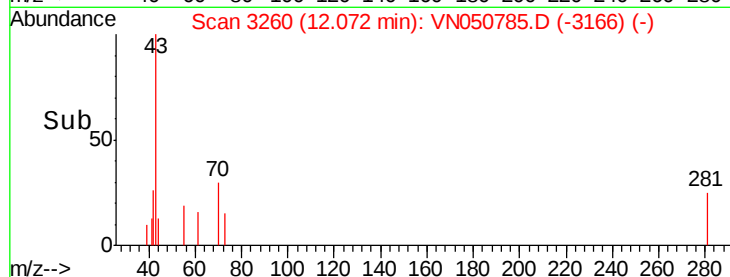
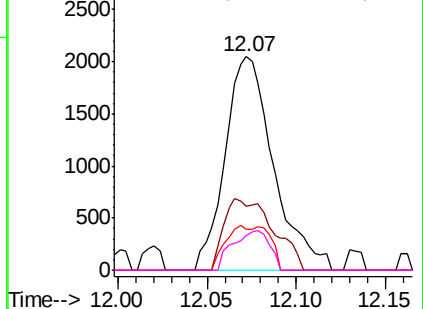


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3396

Delta R.T. 0.01 min

Lab File: VN050785.D

Acq: 21 Aug 2018 12:43

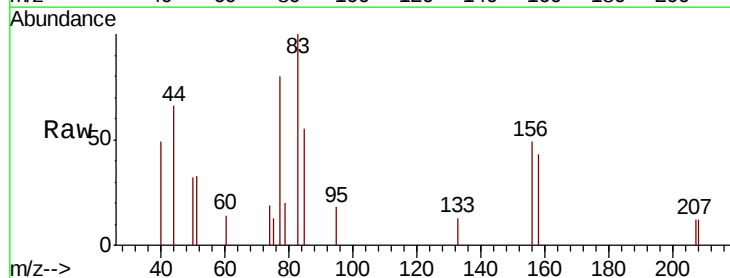
Tgt Ion: 83 Resp: 2037

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

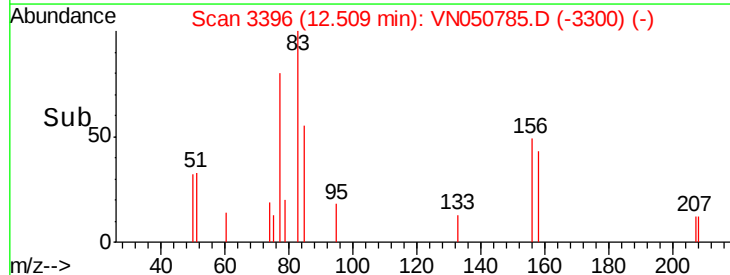
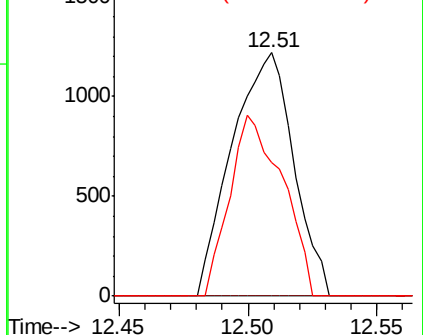
85 63.5 31.9 95.7

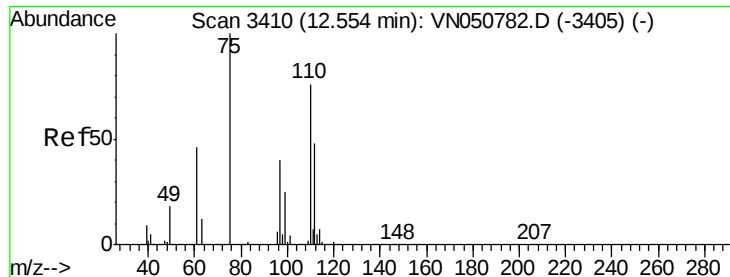


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 36.125 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050785.D

Acq: 21 Aug 2018 12:43

Instrument :

MSVOA_N

ClientSampled :

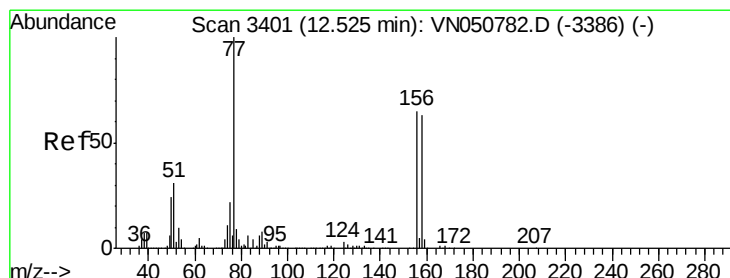
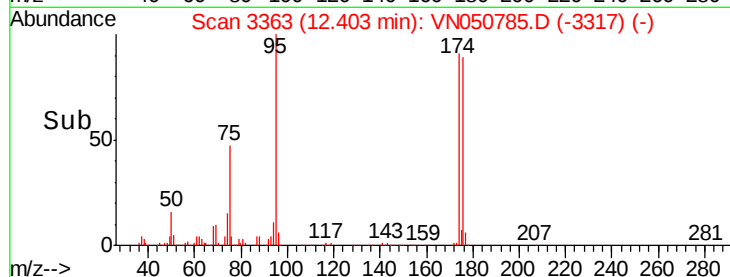
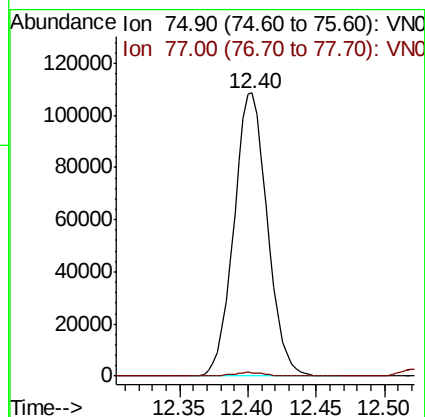
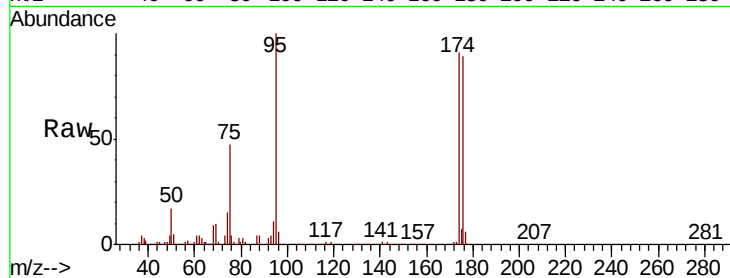
I.BLK

Tot Ion: 75 Resp: 184540

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#77

Bromobenzene

Concen: 0.501 ug/l

RT: 12.52 min Scan# 3400

Delta R.T. -0.00 min

Lab File: VN050785.D

Acq: 21 Aug 2018 12:43

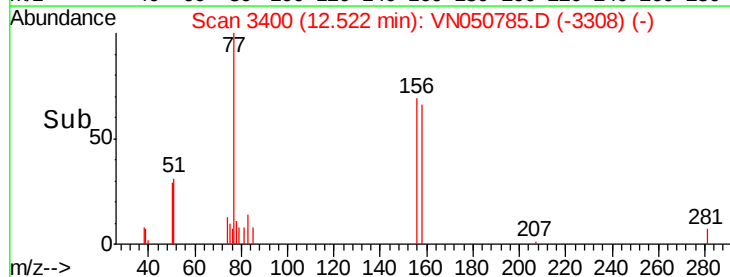
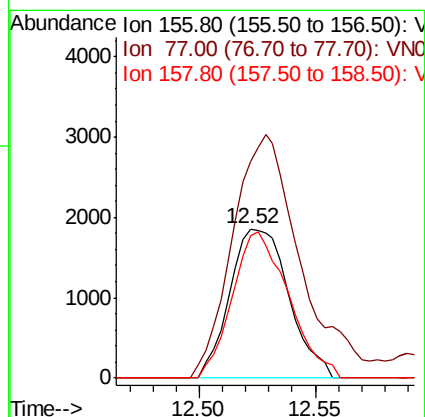
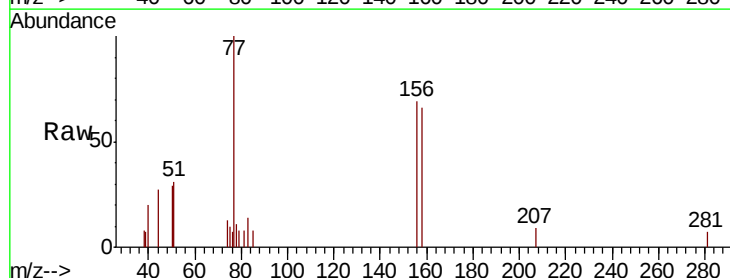
Tgt Ion: 156 Resp: 3291

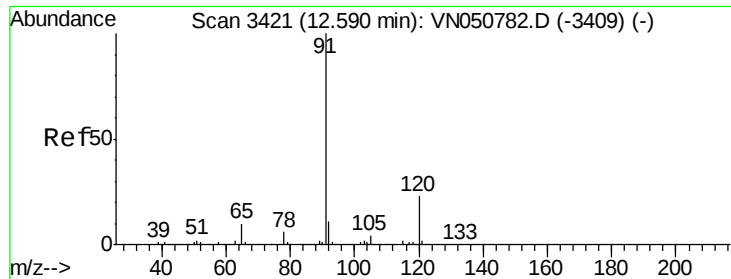
Ion Ratio Lower Upper

156 100

77 189.7 89.9 269.7

158 93.2 49.3 147.9





#78

n-propylbenzene

Concen: 0.355 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN050785.D

Acq: 21 Aug 2018 12:43

Instrument :

MSVOA_N

ClientSampled :

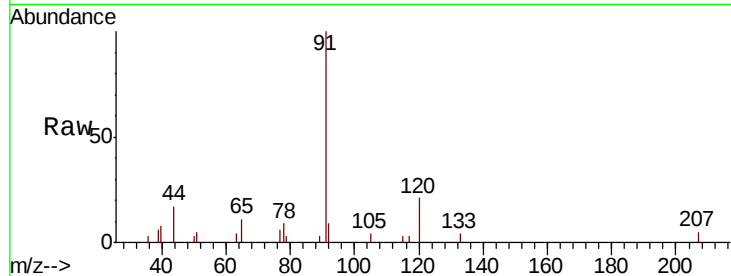
I.BLK

Tot Ion: 91 Resp: 9569

Ion Ratio Lower Upper

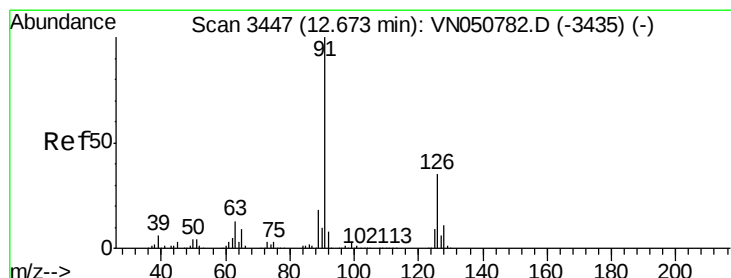
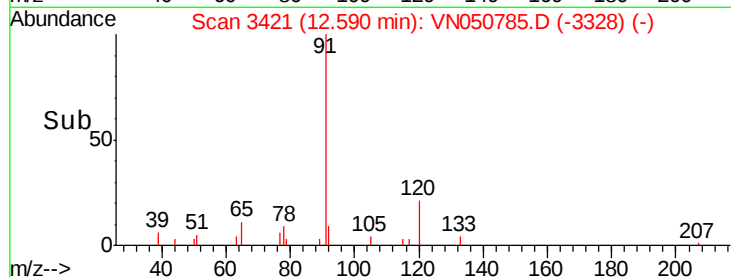
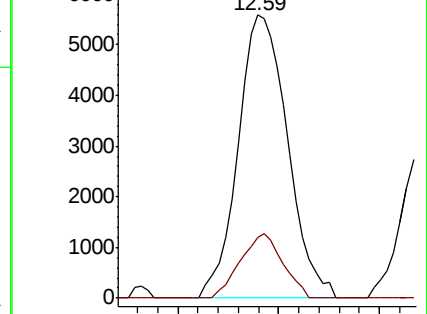
91 100

120 19.6 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.360 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050785.D

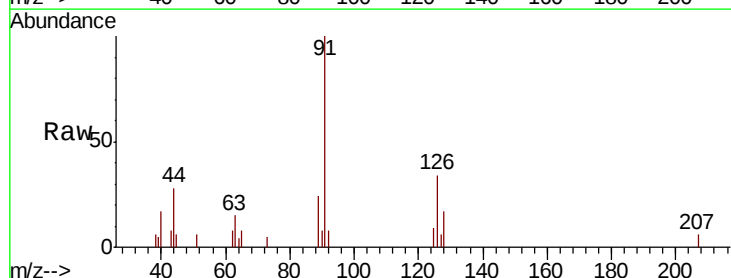
Acq: 21 Aug 2018 12:43

Tgt Ion: 91 Resp: 6053

Ion Ratio Lower Upper

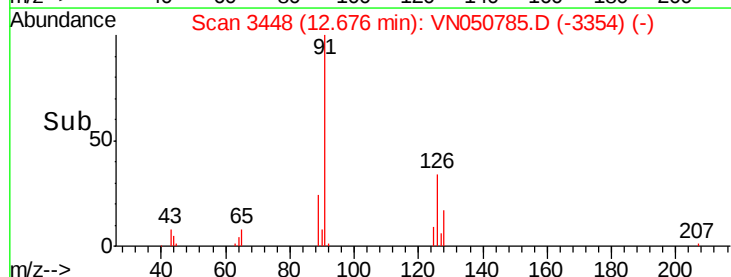
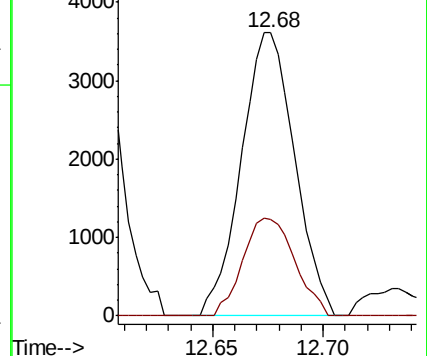
91 100

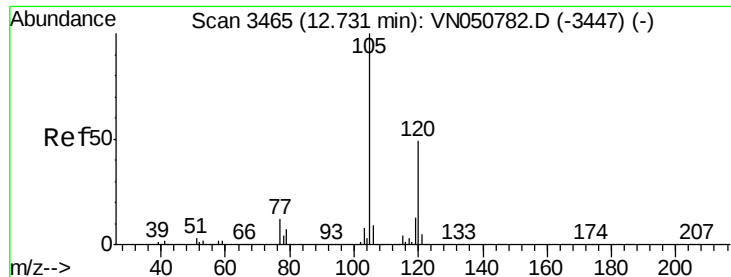
126 33.6 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 0.225 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050785.D

Acq: 21 Aug 2018 12:43

Instrument :

MSVOA_N

ClientSampleId :

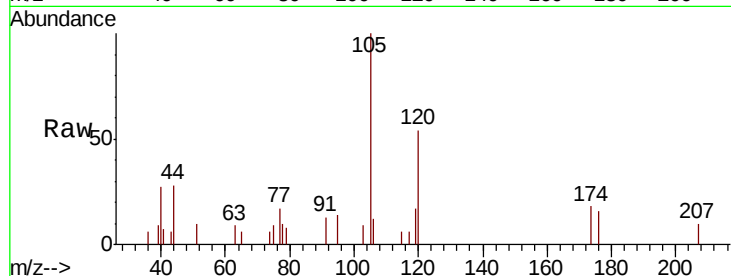
I.BLK

Tot Ion:105 Resp: 4383

Ion Ratio Lower Upper

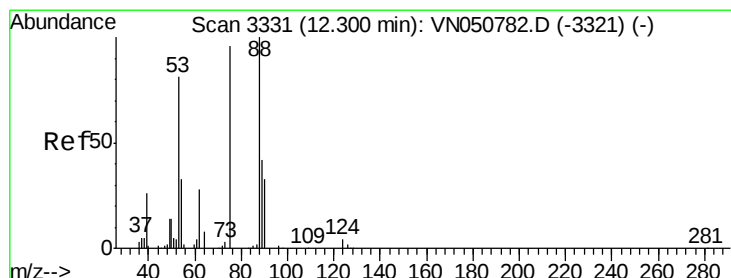
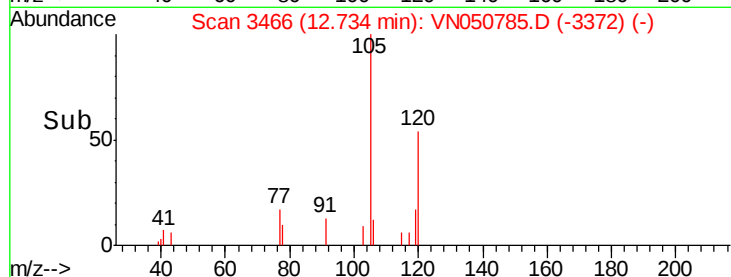
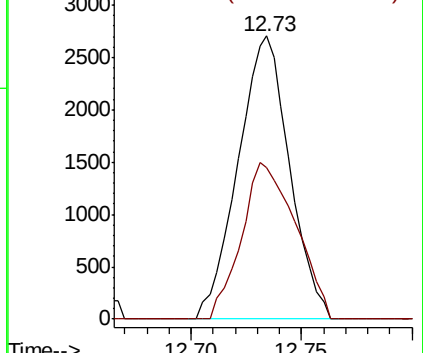
105 100

120 58.4 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 122.124 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050785.D

Acq: 21 Aug 2018 12:43

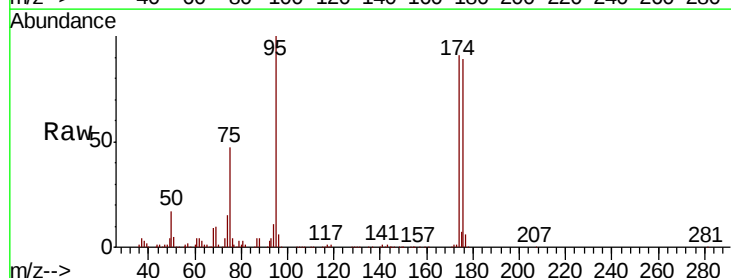
Tgt Ion: 75 Resp: 184540

Ion Ratio Lower Upper

75 100

53 0.1 68.9 103.3#

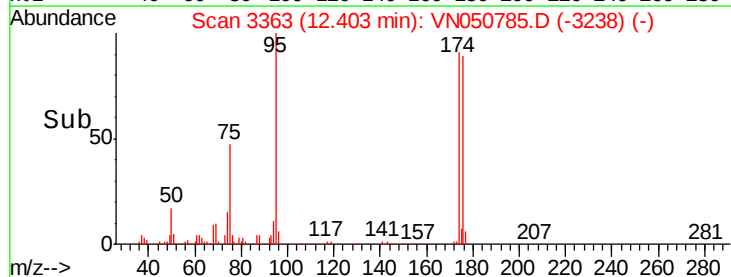
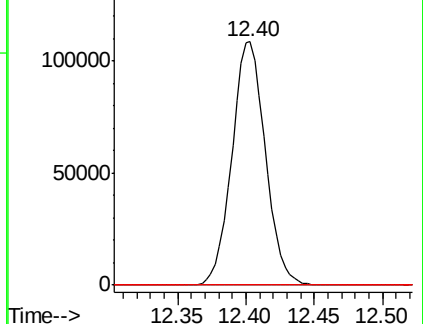
89 0.0 36.1 54.1#

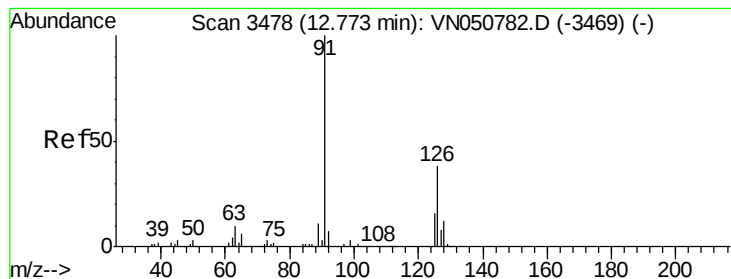


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 0.506 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050785.D

Acq: 21 Aug 2018 12:43

Instrument :

MSVOA_N

ClientSampled :

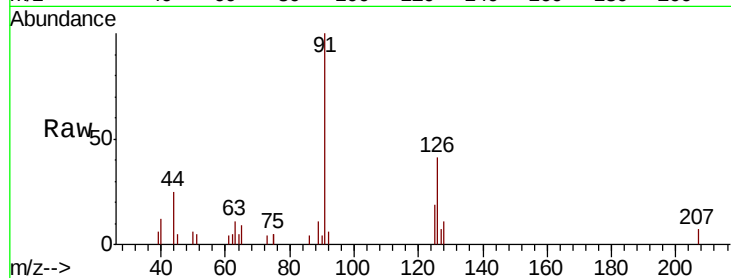
I.BLK

Tot Ion: 91 Resp: 8388

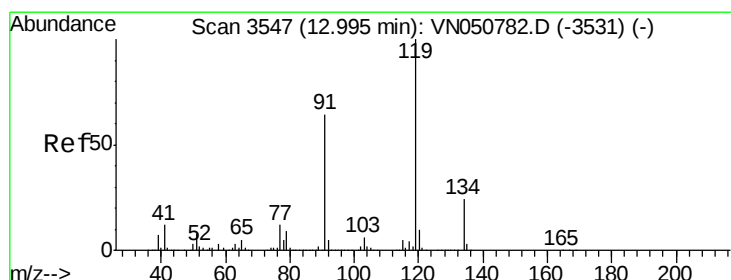
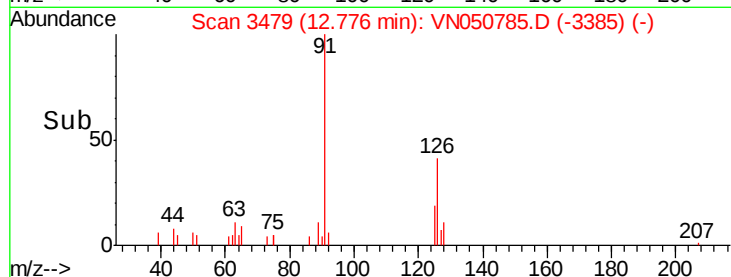
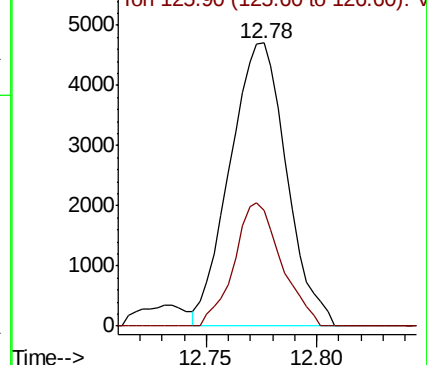
Ion Ratio Lower Upper

91 100

126 36.4 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN050785.D (-3478) (-)



#83

tert-Butylbenzene

Concen: 0.284 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050785.D

Acq: 21 Aug 2018 12:43

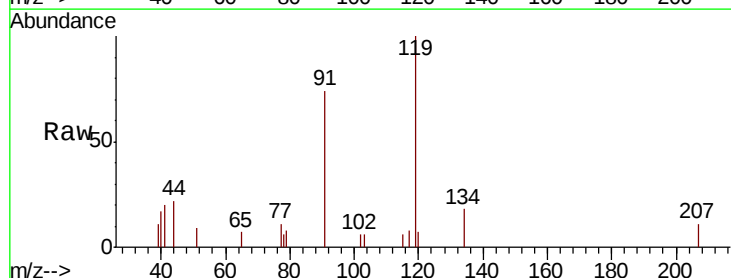
Tgt Ion: 119 Resp: 4785

Ion Ratio Lower Upper

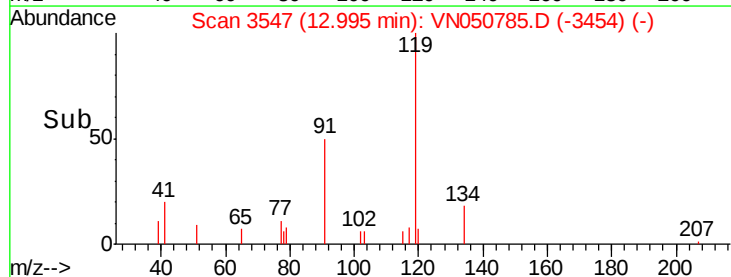
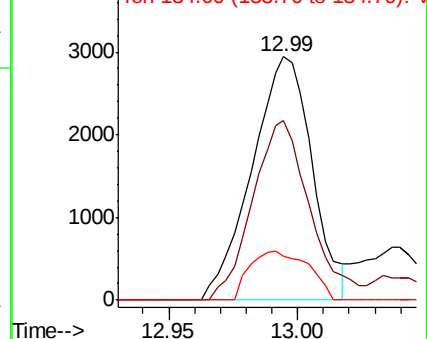
119 100

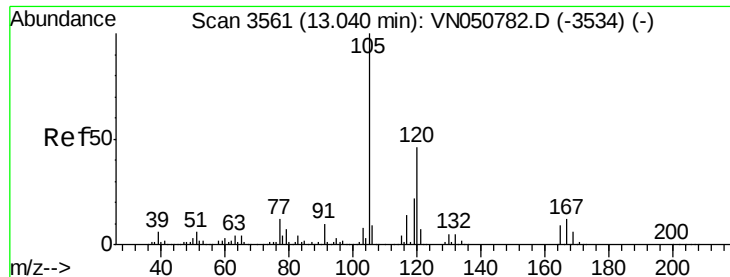
91 70.8 31.6 94.7

134 19.7 13.4 40.1



Abundance Ion 119.00 (118.70 to 119.70): VN050785.D (-3547) (-)

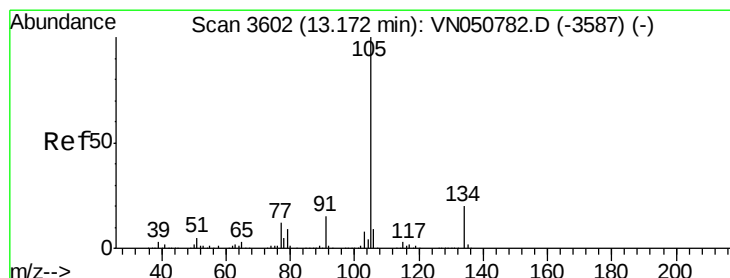
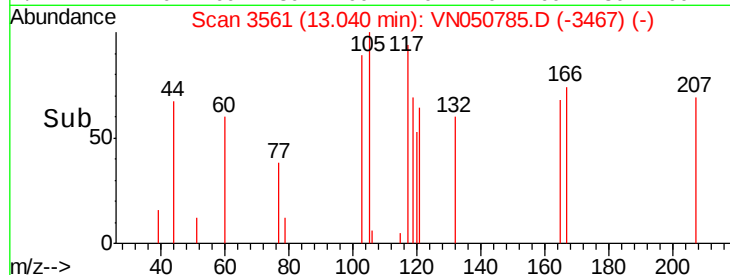
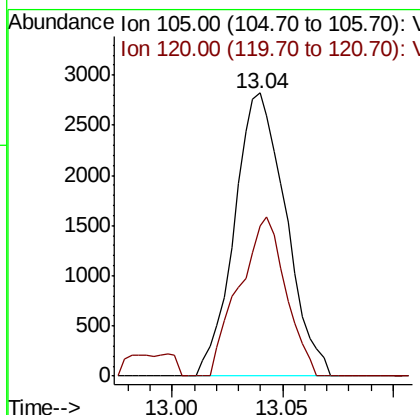
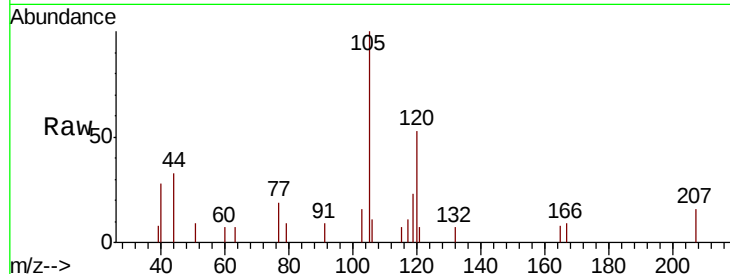




#84
 1,2,4-Trimethylbenzene
 Concen: 0.233 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050785.D
 Acq: 21 Aug 2018 12:43

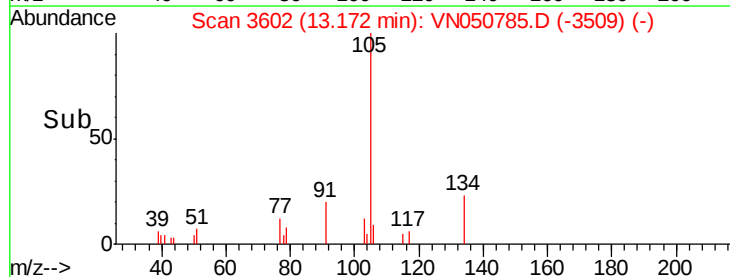
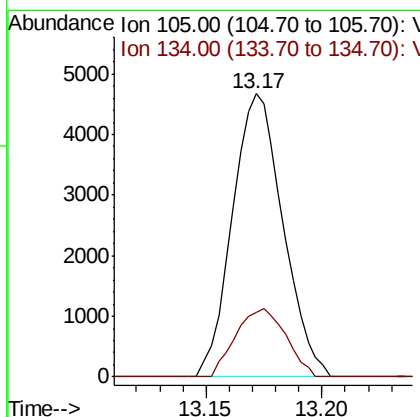
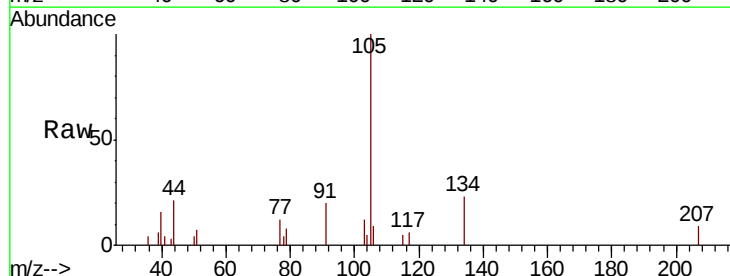
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

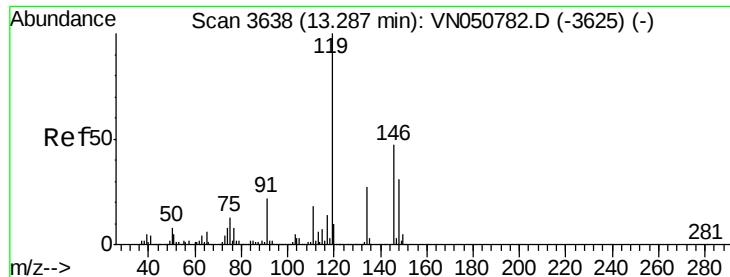
Tot Ion:105 Resp: 4573
 Ion Ratio Lower Upper
 105 100
 120 50.9 22.9 68.8



#85
 sec-Butylbenzene
 Concen: 0.319 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN050785.D
 Acq: 21 Aug 2018 12:43

Tgt Ion:105 Resp: 7062
 Ion Ratio Lower Upper
 105 100
 134 23.8 10.3 30.8

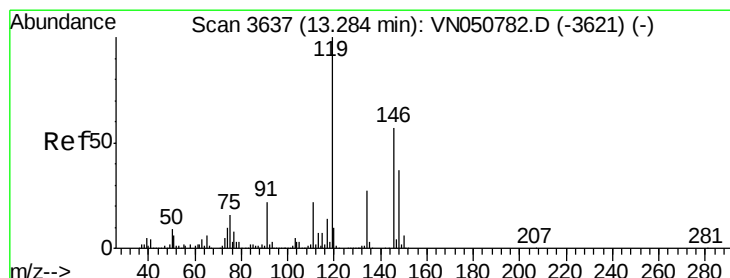
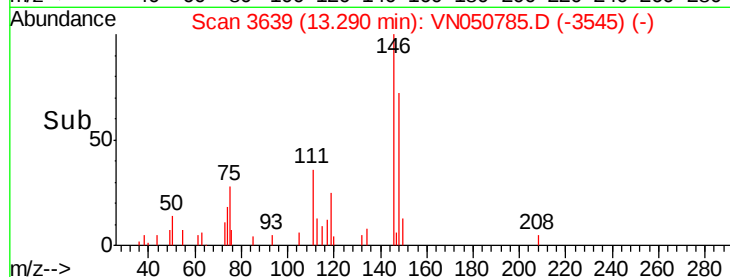
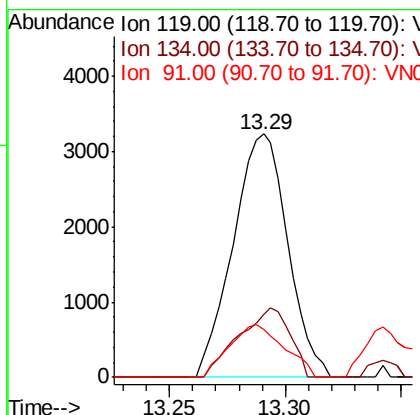
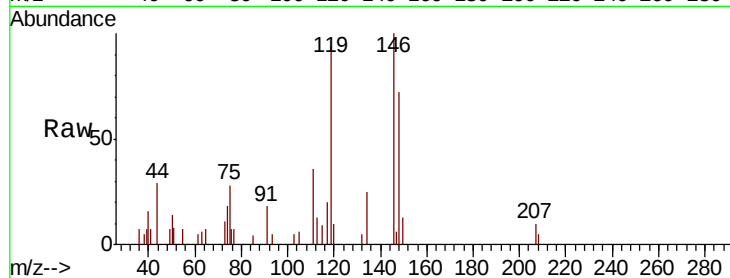




#86
 p-Isopropyltoluene
 Concen: 0.281 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050785.D
 Acq: 21 Aug 2018 12:43

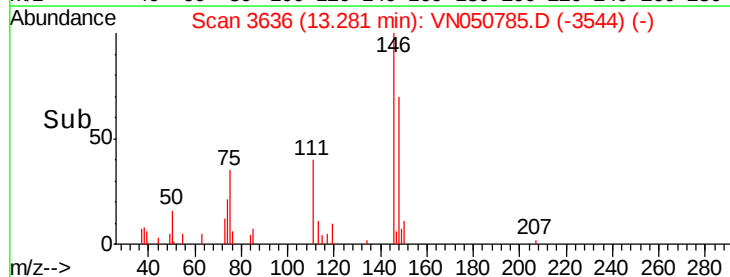
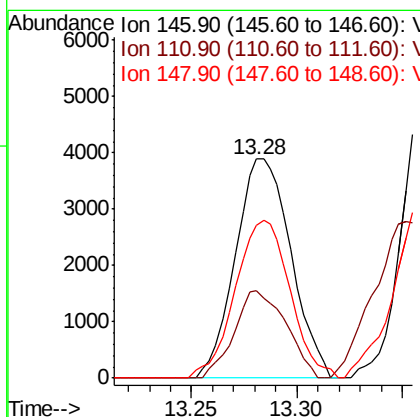
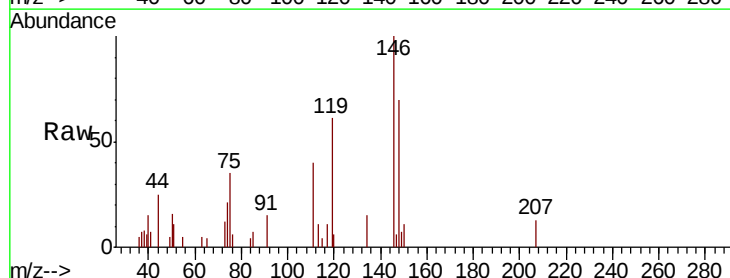
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

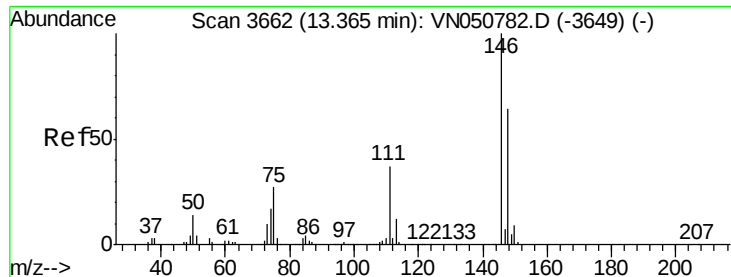
Tot Ion:119 Resp: 5288
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.7 41.0
 91 21.9 11.2 33.5



#87
 1,3-Dichlorobenzene
 Concen: 0.641 ug/l
 RT: 13.28 min Scan# 3636
 Delta R.T. -0.00 min
 Lab File: VN050785.D
 Acq: 21 Aug 2018 12:43

Tgt Ion:146 Resp: 7135
 Ion Ratio Lower Upper
 146 100
 111 36.9 19.1 57.3
 148 70.8 32.2 96.6

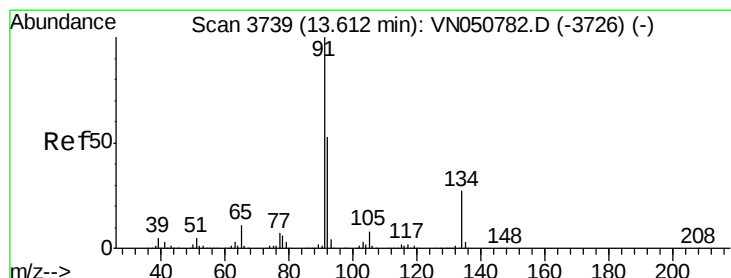
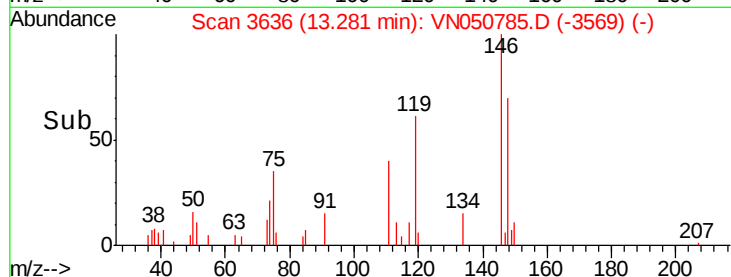
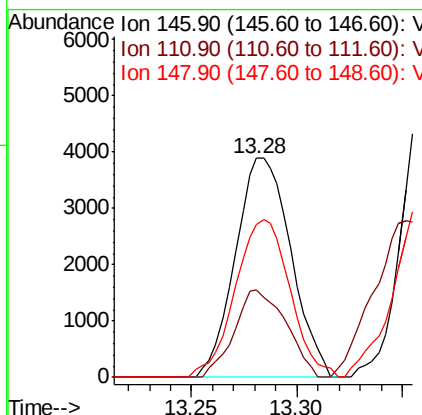
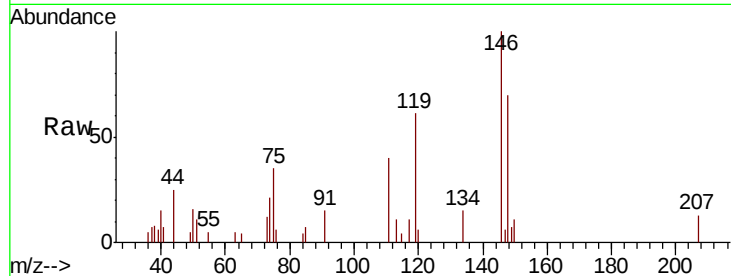




#88
 1,4-Dichlorobenzene
 Concen: 0.651 ug/l
 RT: 13.28 min Scan# 3636
 Delta R.T. -0.08 min
 Lab File: VN050785.D
 Acq: 21 Aug 2018 12:43

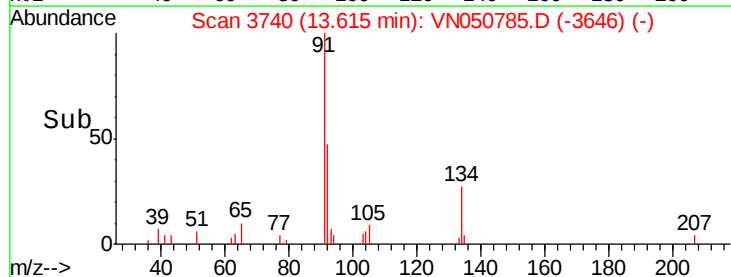
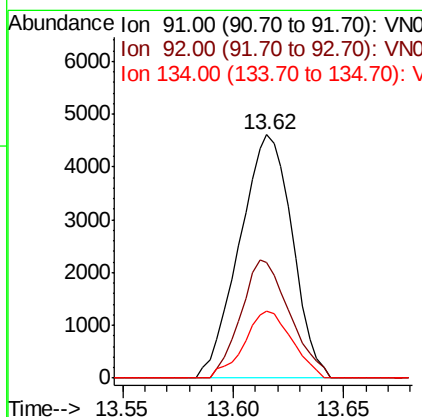
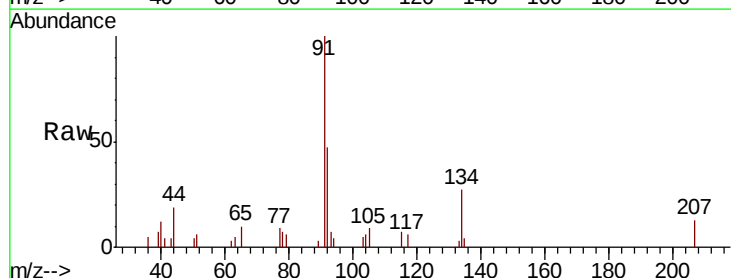
Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

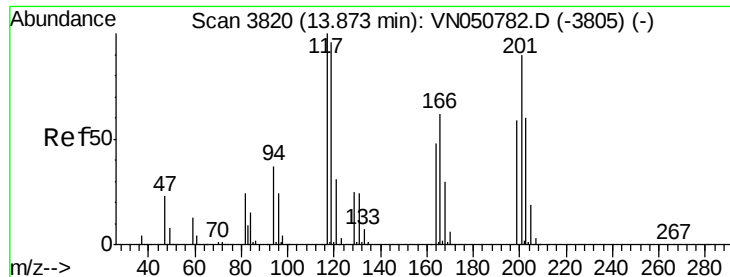
Tot Ion:146 Resp: 7135
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.8 56.3
 148 70.8 32.2 96.6



#89
 n-Butylbenzene
 Concen: 0.505 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. 0.00 min
 Lab File: VN050785.D
 Acq: 21 Aug 2018 12:43

Tgt Ion: 91 Resp: 7613
 Ion Ratio Lower Upper
 91 100
 92 45.0 26.1 78.2
 134 25.0 13.2 39.6

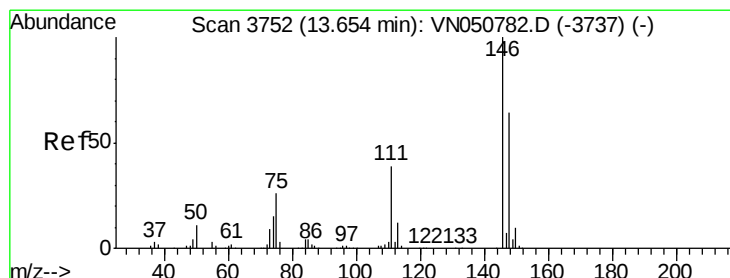
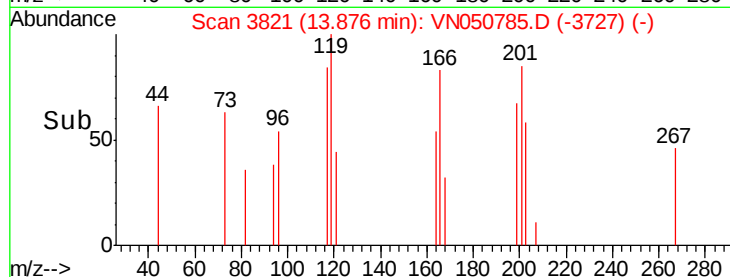
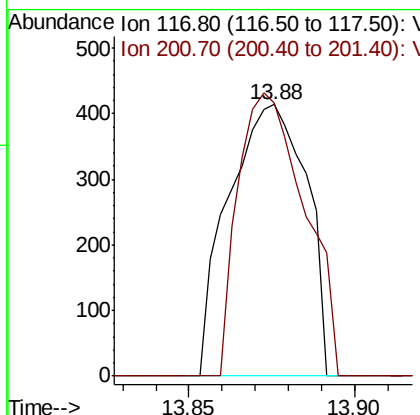
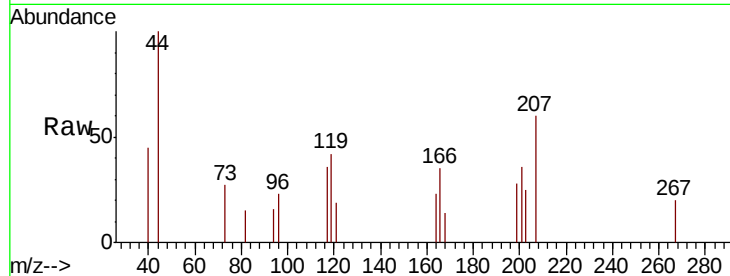




#90
Hexachloroethane
Concen: 0.372 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050785.D
Acq: 21 Aug 2018 12:43

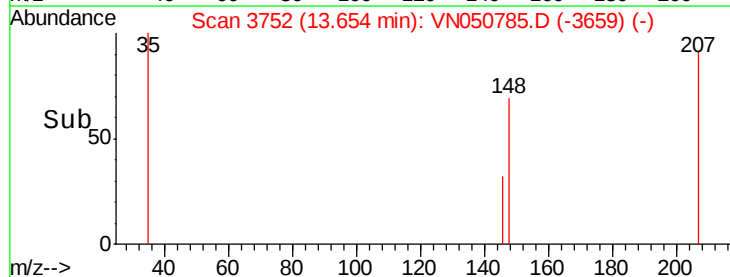
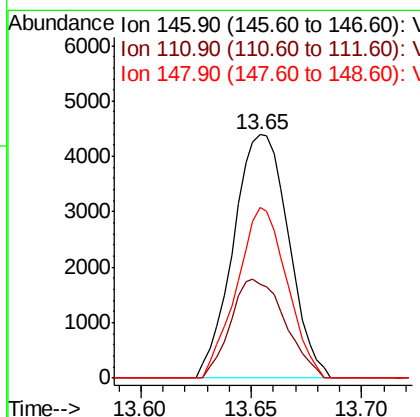
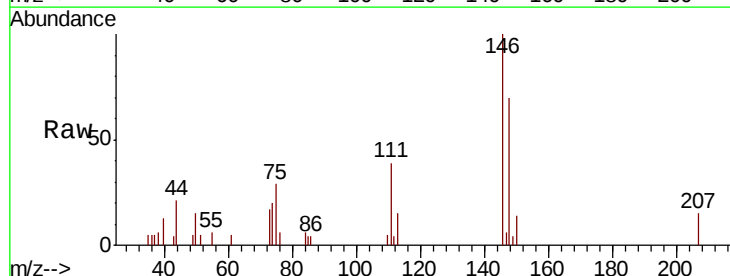
Instrument :
MSVOA_N
ClientSampleId :
I.BLK

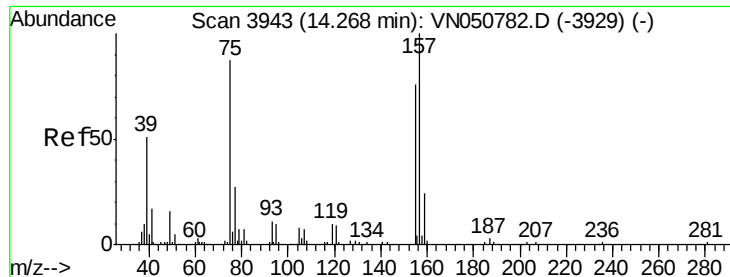
Tot Ion:117 Resp: 677
Ion Ratio Lower Upper
117 100
201 89.1 46.0 137.8



#91
1,2-Dichlorobenzene
Concen: 0.710 ug/l
RT: 13.65 min Scan# 3752
Delta R.T. -0.00 min
Lab File: VN050785.D
Acq: 21 Aug 2018 12:43

Tgt Ion:146 Resp: 7625
Ion Ratio Lower Upper
146 100
111 40.0 19.8 59.3
148 63.4 32.3 96.8

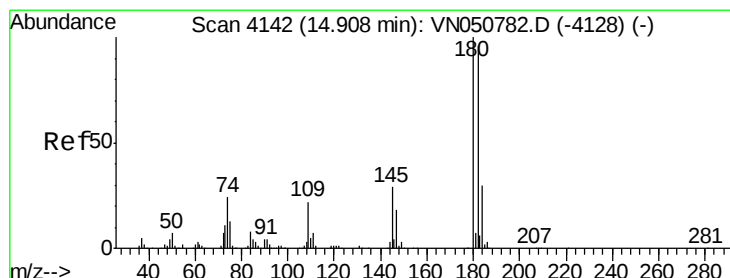
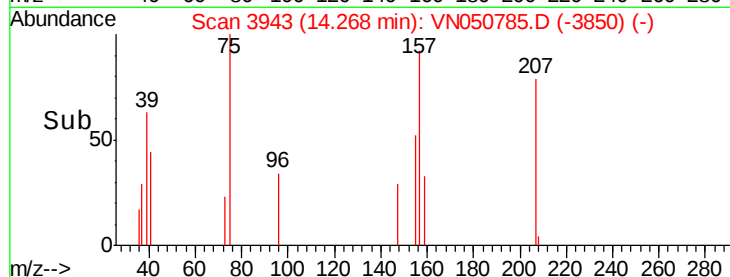
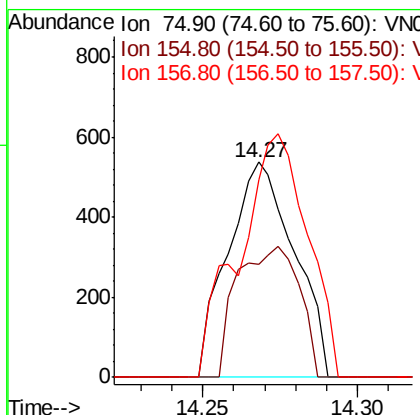
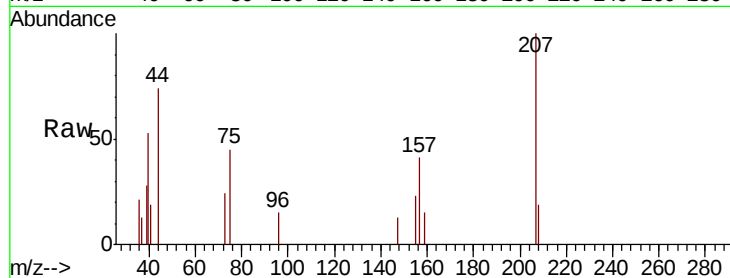




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.925 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN050785.D
 Acq: 21 Aug 2018 12:43

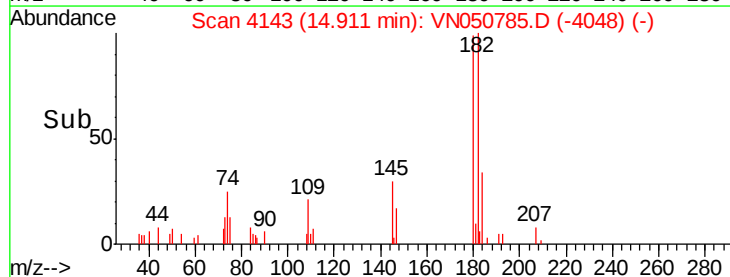
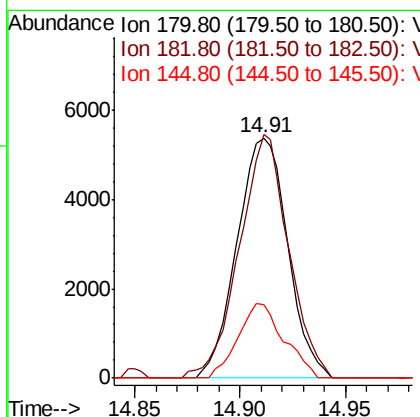
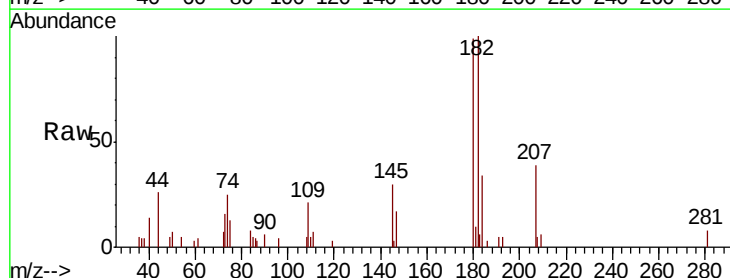
Instrument :
 MSVOA_N
 ClientSampled :
 I.BLK

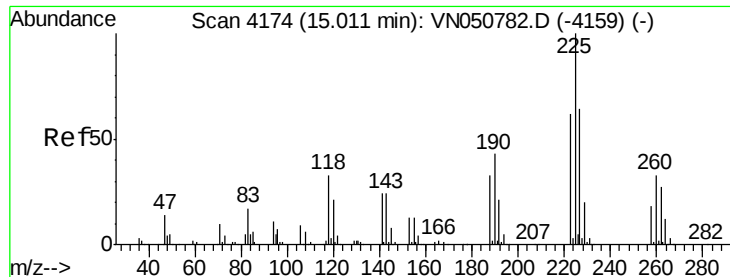
Tot Ion: 75 Resp: 802
 Ion Ratio Lower Upper
 75 100
 155 56.7 46.4 139.1
 157 116.5 60.7 182.0



#93
 1,2,4-Trichlorobenzene
 Concen: 5.556 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050785.D
 Acq: 21 Aug 2018 12:43

Tgt Ion: 180 Resp: 8967
 Ion Ratio Lower Upper
 180 100
 182 98.3 48.2 144.6
 145 28.0 14.1 42.2





#94

Hexachlorobutadiene

Concen: 1.818 ug/l

RT: 15.01 min Scan# 4174

Delta R.T. 0.00 min

Lab File: VN050785.D

Acq: 21 Aug 2018 12:43

Instrument :

MSVOA_N

ClientSampled :

I.BLK

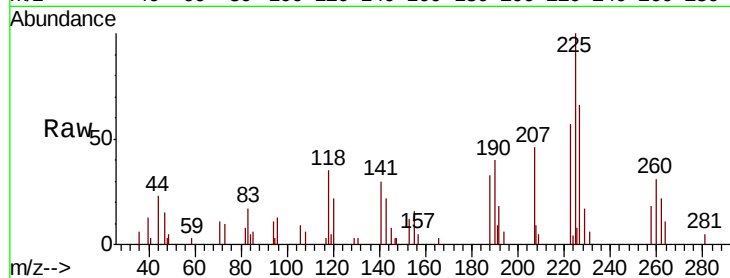
Tot Ion:225 Resp: 9228

Ion Ratio Lower Upper

225 100

223 59.9 31.3 93.8

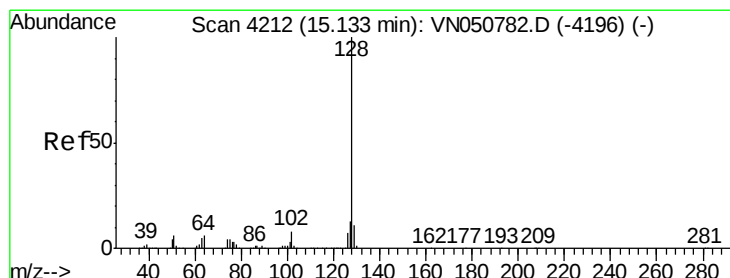
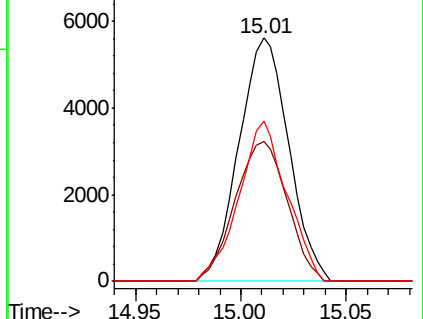
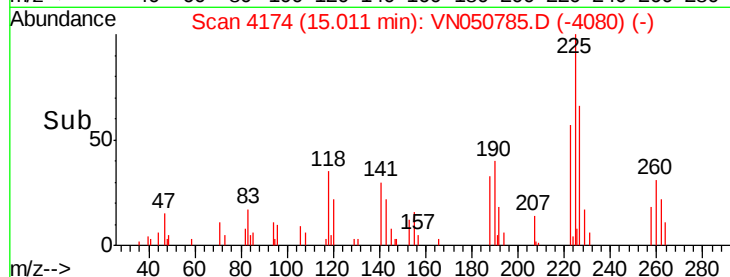
227 63.3 32.0 96.2



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: 7.316 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050785.D

Acq: 21 Aug 2018 12:43

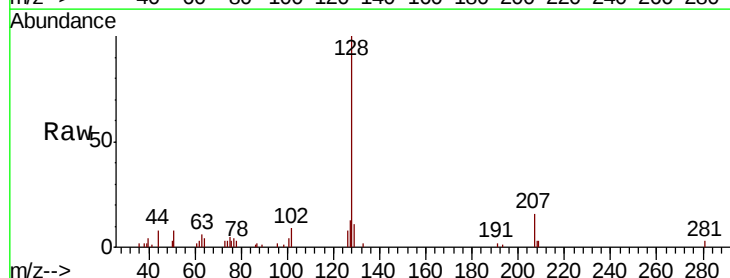
Tgt Ion:128 Resp: 25037

Ion Ratio Lower Upper

128 100

127 13.8 10.5 15.7

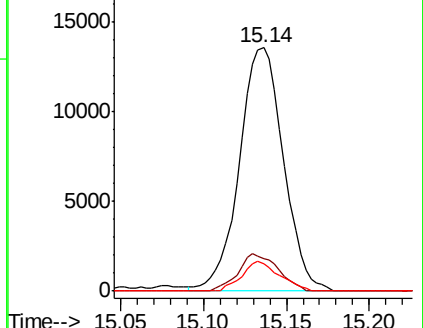
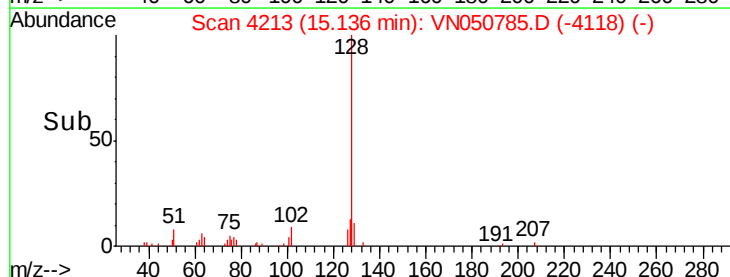
129 10.3 8.7 13.1

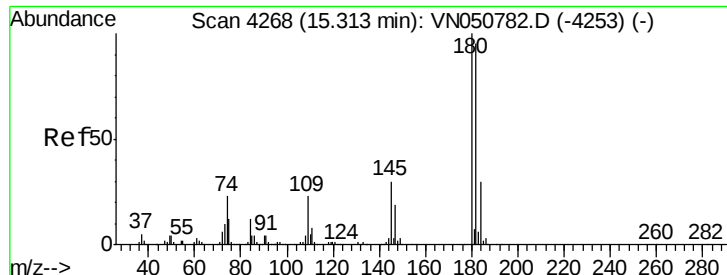


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 5.421 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN050785.D
 Acq: 21 Aug 2018 12:43

Instrument :
 MSVOA_N
 ClientSampleId :
 I.BLK

Tot Ion:	180	Resp:	11923
Ion	Ratio	Lower	Upper
180	100		
182	98.5	48.0	144.2
145	30.9	15.2	45.6

