

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121318\
 Data File : VN052865.D
 Acq On : 13 Dec 2018 15:34
 Operator : MD\SY
 Sample : J6319-03RE
 Misc : 4.92g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 057_BT-2-1

Quant Time: Dec 14 01:40:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1170973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1779079	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1595217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	753757	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	570809	45.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.68%	
35) Dibromofluoromethane	7.59	113	467396	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
50) Toluene-d8	10.09	98	2230506	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
62) 4-Bromofluorobenzene	12.40	95	779012	53.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.78%	

Target Compounds

						Qvalue
10) Methyl Iodide	3.94	142	3372	0.217	ug/l #	81
13) Acrolein	3.61	56	281	0.429	ug/l #	14
14) Allyl chloride	4.58	41	57728	3.283	ug/l #	58
16) Acetone	3.81	43	3002	1.074	ug/l #	67
17) Carbon Disulfide	4.04	76	7029	0.213	ug/l	96
18) Methyl Acetate	4.59	43	141197	13.758	ug/l #	51
25) 2-Butanone	6.82	43	2807	0.647	ug/l #	49
29) Tetrahydrofuran	7.21	42	1699	0.574	ug/l #	73
30) Chloroform	7.32	83	19001	0.901	ug/l #	18
31) Cyclohexane	7.64	56	137181	5.991	ug/l #	83
36) 1,1-Dichloropropene	7.66	75	75472	4.607	ug/l #	49
38) Carbon Tetrachloride	7.66	117	102874	6.822	ug/l #	15
39) Methylcyclohexane	9.08	83	413440	20.564	ug/l	97
41) Methacrylonitrile	7.21	41	5745	1.054	ug/l #	33
43) Isopropyl Acetate	8.15	43	47916	2.375	ug/l #	53
45) 1,2-Dichloropropane	9.09	63	4461	0.346	ug/l #	1
47) Bromodichloromethane	9.38	83	57199	3.693	ug/l #	25
48) Methyl methacrylate	9.14	41	38429	4.343	ug/l #	39
51) 4-Methyl-2-Pentanone	10.09	43	39075	4.223	ug/l	93
52) Toluene	10.16	92	11863	0.398	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	209444	19.701	ug/l #	18
56) Ethyl methacrylate	10.43	69	42522	3.117	ug/l #	1
59) 2-Hexanone	10.72	43	225494	35.561	ug/l #	28
67) Ethyl Benzene	11.51	91	20992	0.369	ug/l	92
68) m/p-Xylenes	11.62	106	27334	1.281	ug/l	90
69) o-Xylene	11.95	106	6063	0.291	ug/l	79
71) Bromoform	12.40	173	4410	0.564	ug/l #	1
73) Isopropylbenzene	12.25	105	100766	1.790	ug/l	99
74) N-amyl acetate	12.04	43	126261	8.172	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.48	83	8070	0.640	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	357220	32.122	ug/l #	100
78) n-propylbenzene	12.59	91	252551	3.935	ug/l	99
79) 2-Chlorotoluene	12.68	91	7848	0.207	ug/l #	63
81) trans-1,4-Dichloro-2-buten	12.40	75	357220	103.190	ug/l #	12

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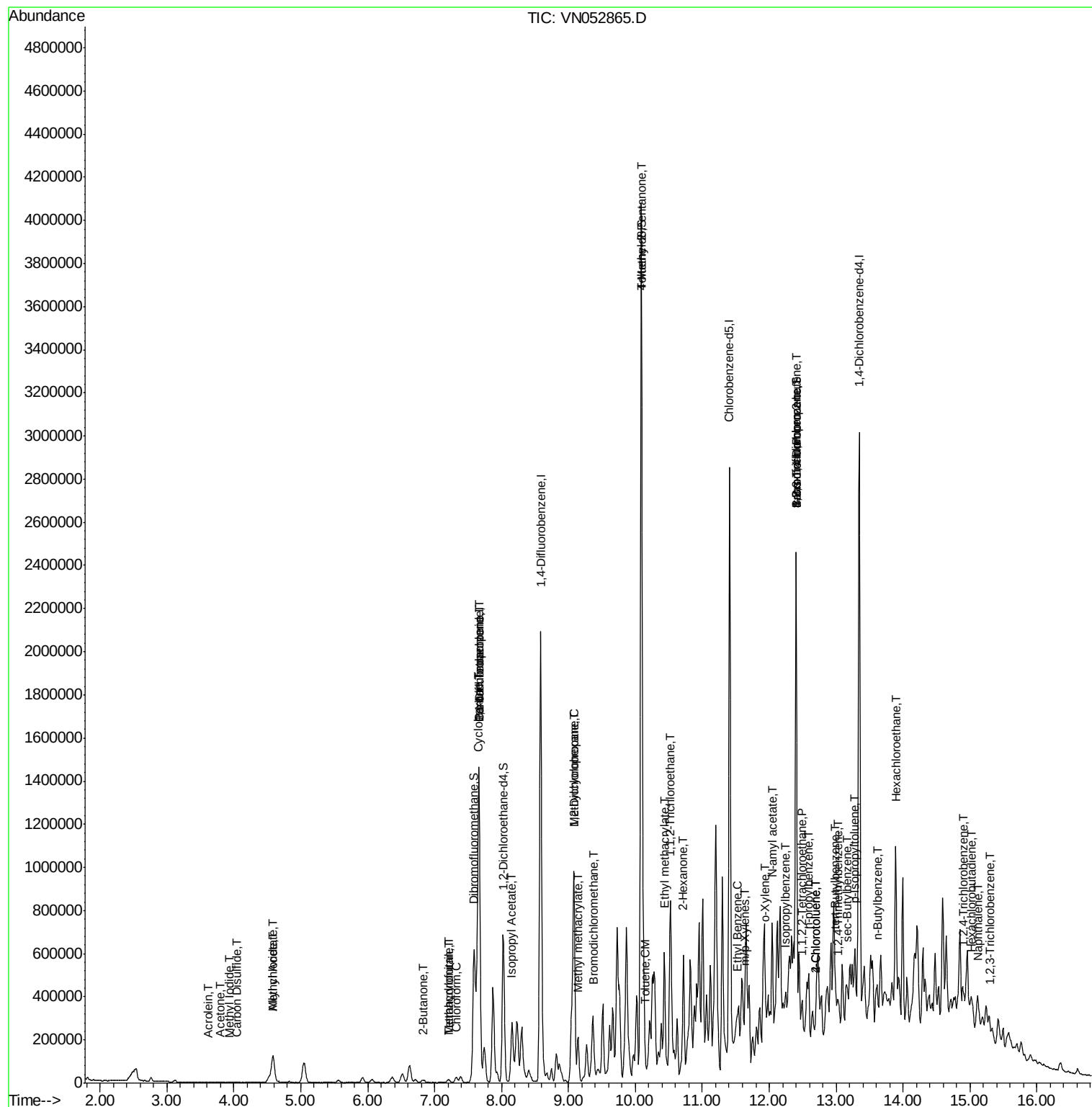
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	12.68	91	7848	0.202	ug/l #	63
83) tert-Butylbenzene	12.99	119	10696	0.267	ug/l	88
84) 1,2,4-Trimethylbenzene	13.04	105	24016	0.522	ug/l	96
85) sec-Butylbenzene	13.17	105	62401	1.150	ug/l #	44
86) p-Isopropyltoluene	13.29	119	12988	0.276	ug/l	91
89) n-Butylbenzene	13.62	91	92543	2.338	ug/l	91
90) Hexachloroethane	13.89	117	37142	4.717	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.91	180	6002	0.451	ug/l #	1
94) Hexachlorobutadiene	15.01	225	1850	0.240	ug/l	96
95) Naphthalene	15.14	128	28759	1.044	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.31	180	7464	0.612	ug/l #	79

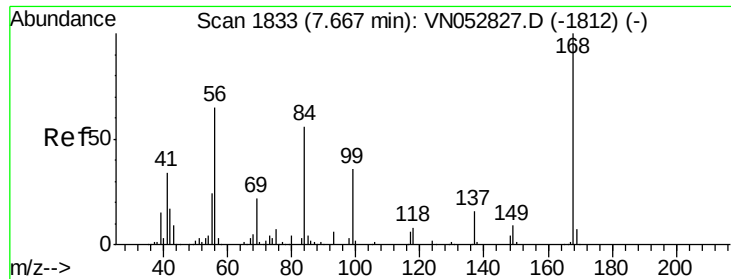
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

Instrument :

MSVOA_N

ClientSampled :

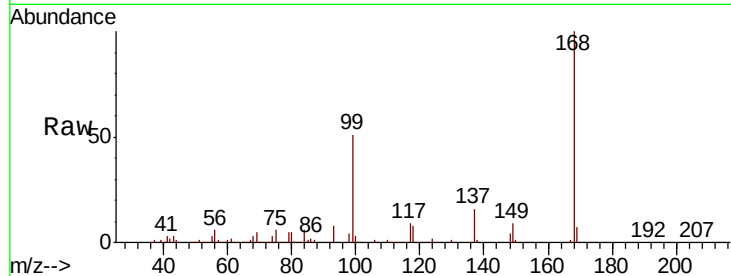
057_BT-2-1

Tot Ion:168 Resp: 1170973

Ion Ratio Lower Upper

168 100

99 50.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

500000

400000

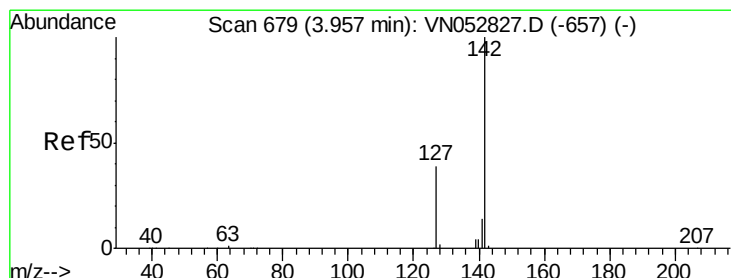
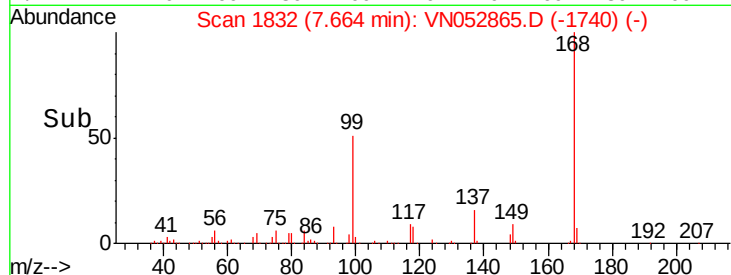
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 0.217 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.01 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

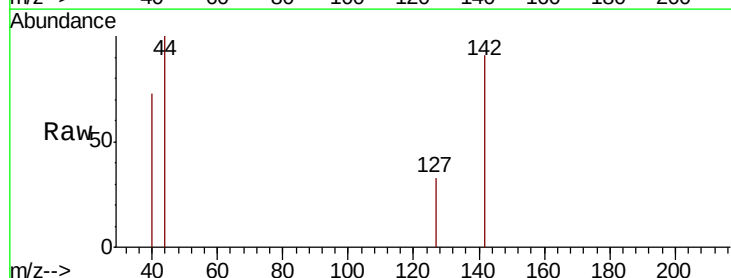
Tgt Ion:142 Resp: 3372

Ion Ratio Lower Upper

142 100

127 29.2 31.0 46.6#

141 3.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

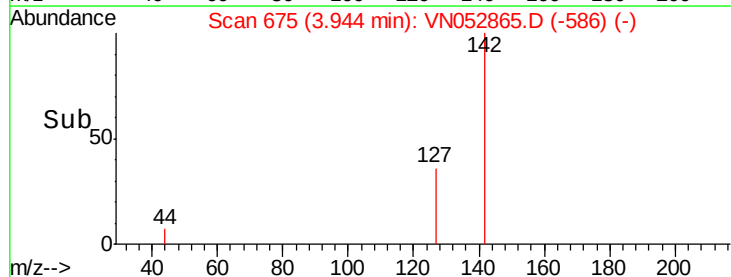
1500

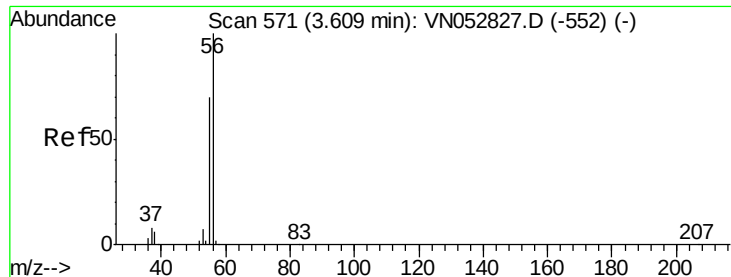
1000

500

0

Time-->





#13

Acrolein

Concen: 0.429 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

Instrument :

MSVOA_N

ClientSampled :

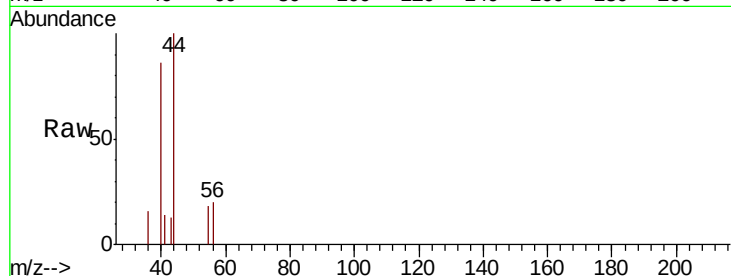
057_BT-2-1

Tot Ion: 56 Resp: 281

Ion Ratio Lower Upper

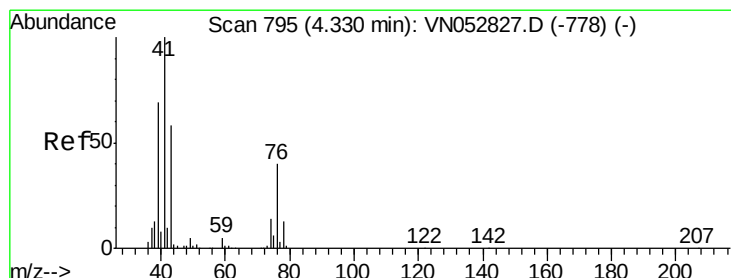
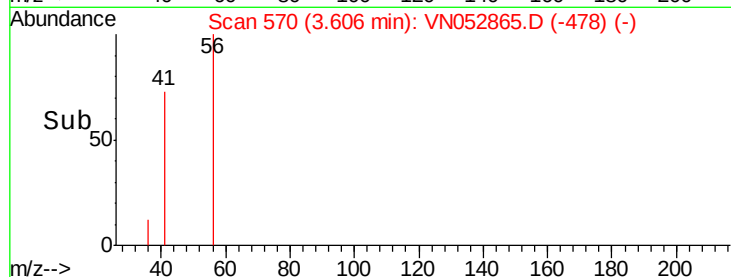
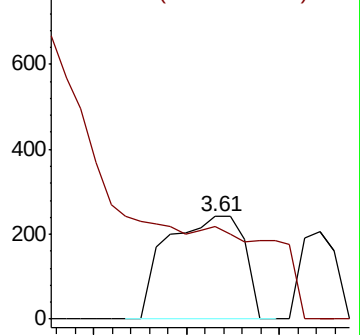
56 100

55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 3.283 ug/l

RT: 4.58 min Scan# 874

Delta R.T. 0.25 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

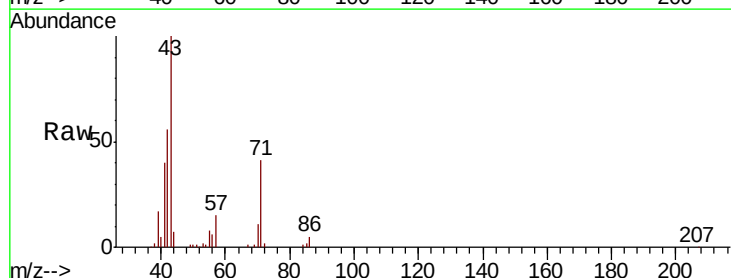
Tgt Ion: 41 Resp: 57728

Ion Ratio Lower Upper

41 100

39 43.1 54.1 81.1#

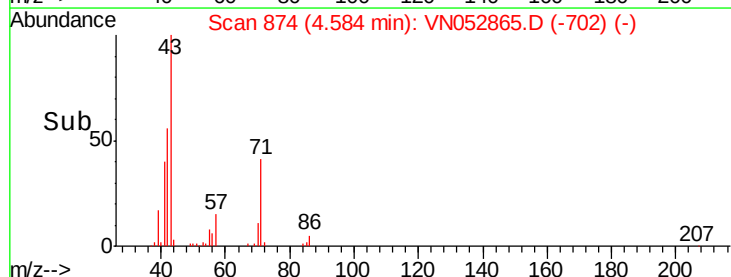
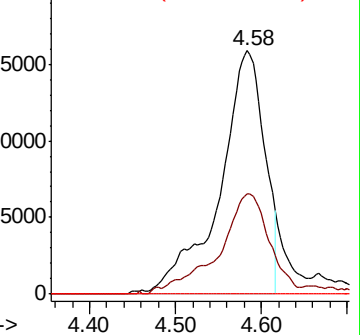
76 0.0 30.3 45.5#

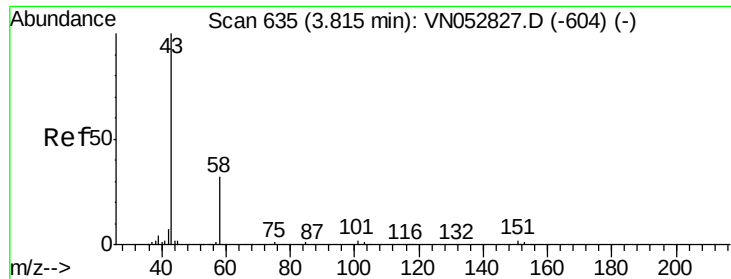


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#16

Acetone

Concen: 1.074 ug/l

RT: 3.81 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

Instrument :

MSVOA_N

ClientSampled :

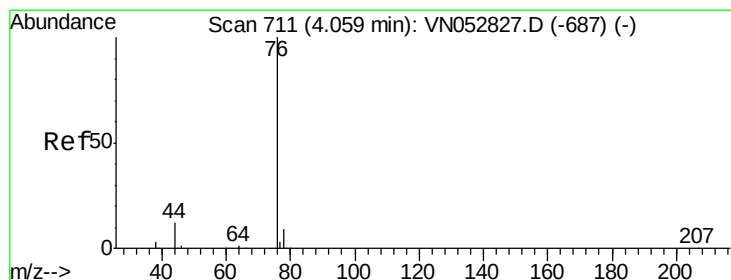
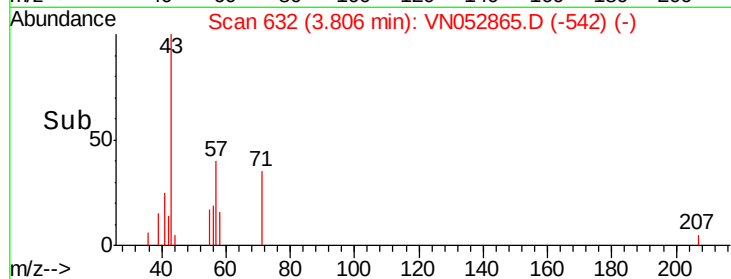
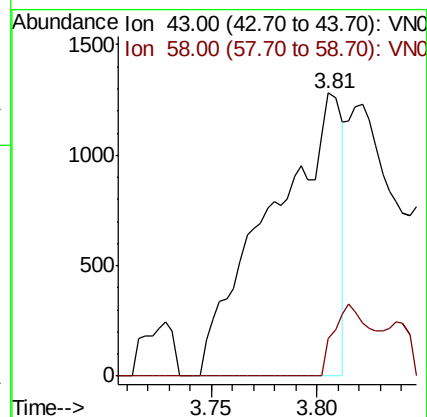
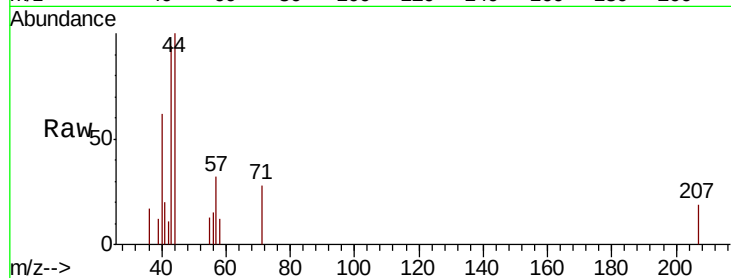
057_BT-2-1

Tot Ion: 43 Resp: 3002

Ion Ratio Lower Upper

43 100

58 13.3 25.4 38.0#



#17

Carbon Disulfide

Concen: 0.213 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.02 min

Lab File: VN052865.D

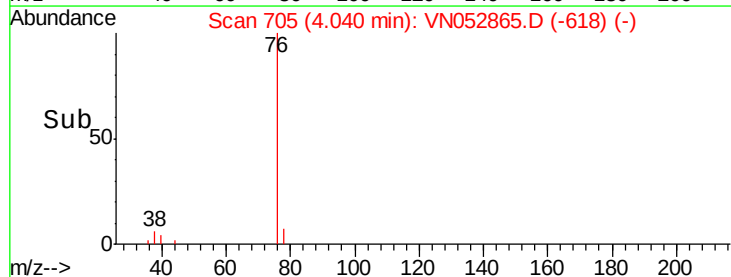
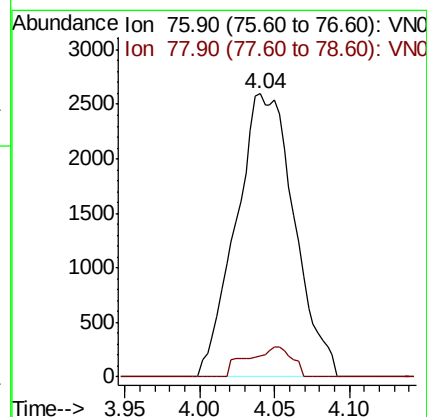
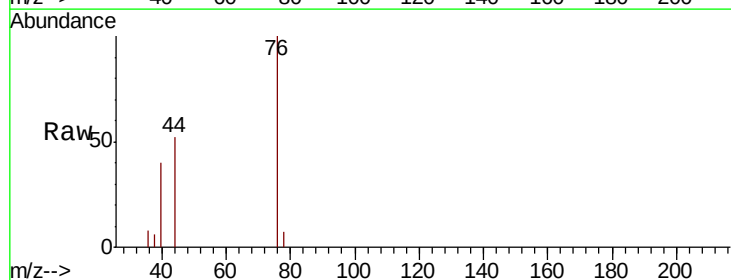
Acq: 13 Dec 2018 15:34

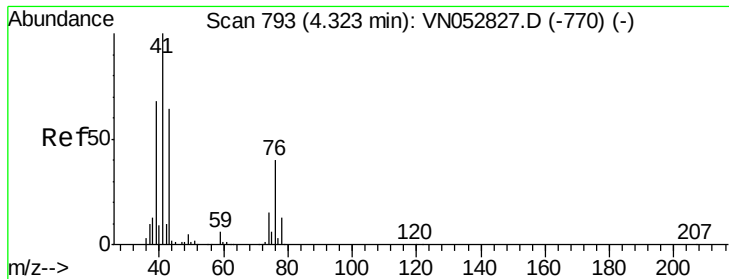
Tgt Ion: 76 Resp: 7029

Ion Ratio Lower Upper

76 100

78 7.3 7.1 10.7

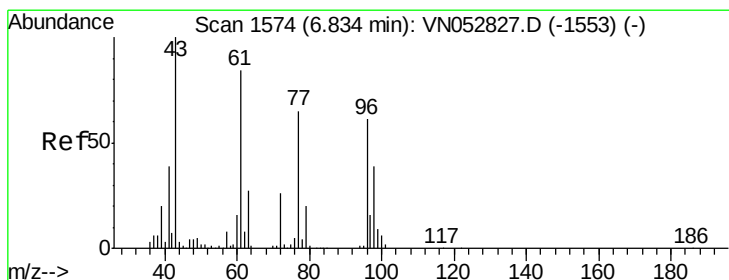
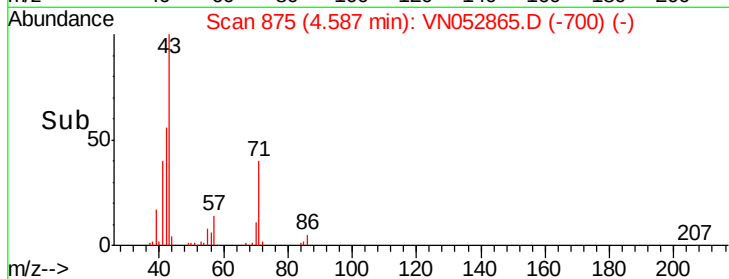
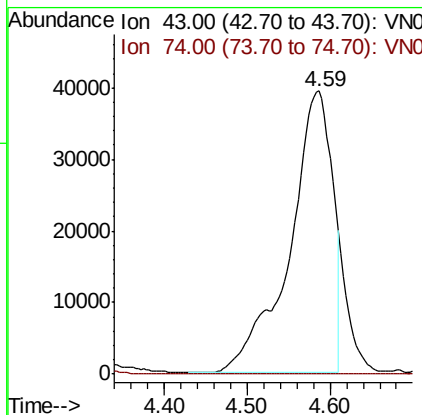
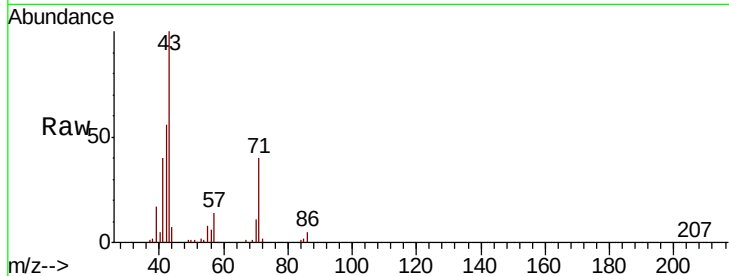




#18
Methvl Acetate
Concen: 13.758 ug/l
RT: 4.59 min Scan# 875
Delta R.T. 0.26 min
Lab File: VN052865.D
Acq: 13 Dec 2018 15:34

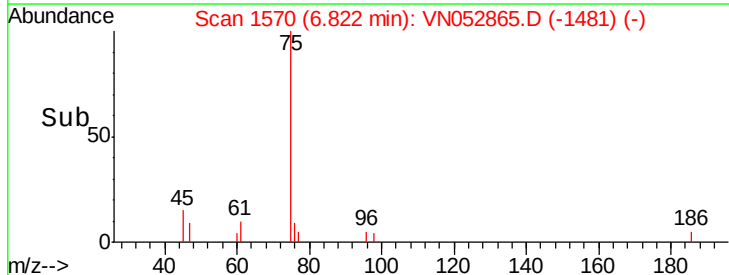
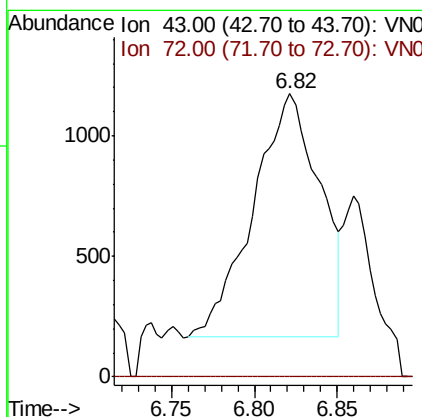
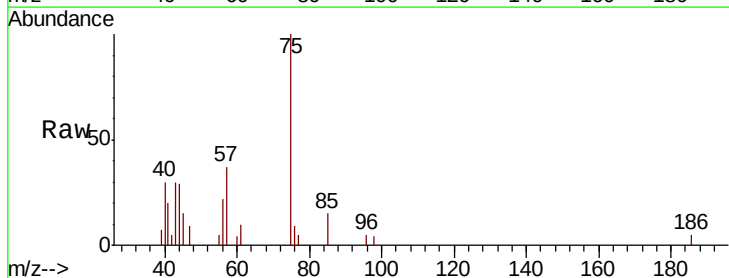
Instrument :
MSVOA_N
ClientSampleId :
057_BT-2-1

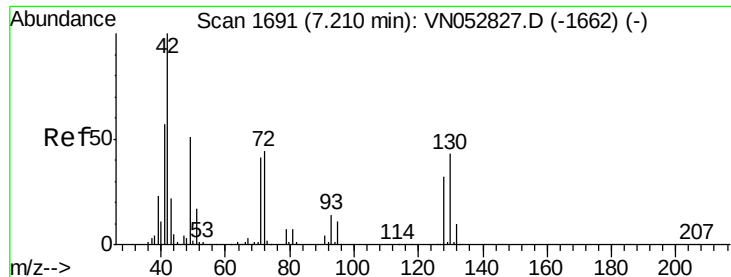
Tot Ion: 43 Resp: 141197
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#25
2-Butanone
Concen: 0.647 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VN052865.D
Acq: 13 Dec 2018 15:34

Tgt Ion: 43 Resp: 2807
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#





#29

Tetrahydrofuran

Concen: 0.574 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

Instrument :

MSVOA_N

ClientSampled :

057_BT-2-1

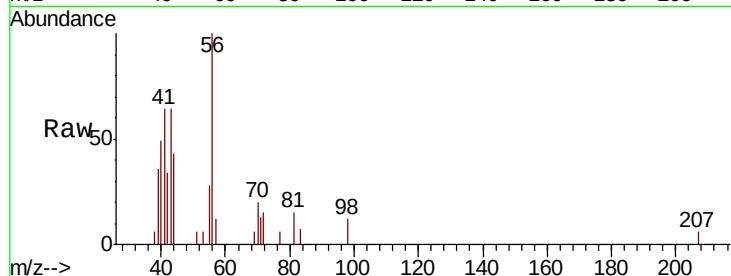
Tot Ion: 42 Resp: 1699

Ion Ratio Lower Upper

42 100

72 57.4 34.7 52.1#

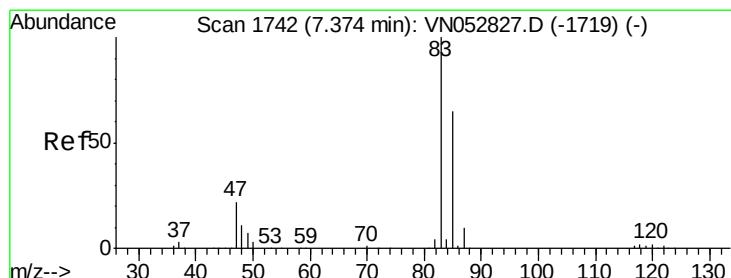
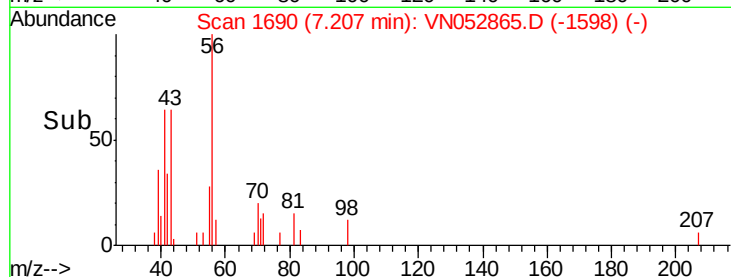
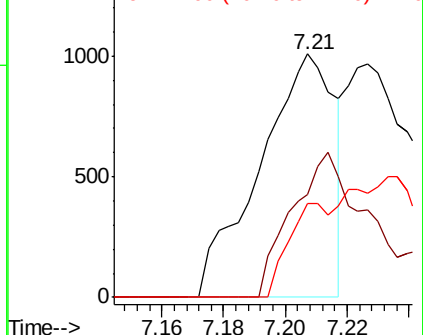
71 20.7 32.3 48.5#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 0.901 ug/l

RT: 7.32 min Scan# 1726

Delta R.T. -0.05 min

Lab File: VN052865.D

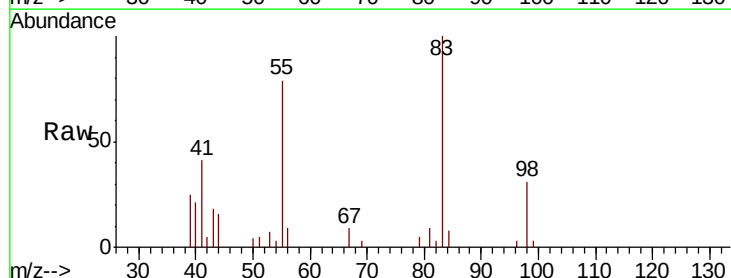
Acq: 13 Dec 2018 15:34

Tgt Ion: 83 Resp: 19001

Ion Ratio Lower Upper

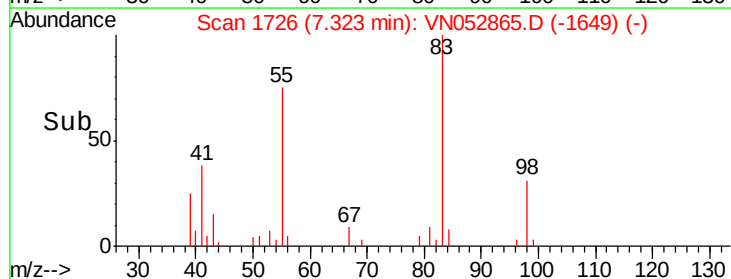
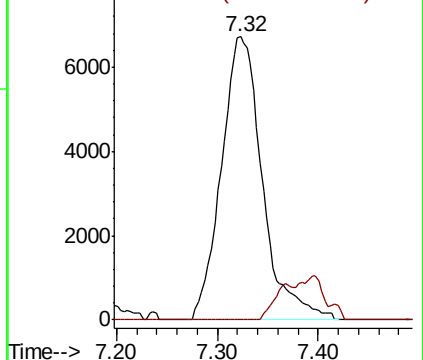
83 100

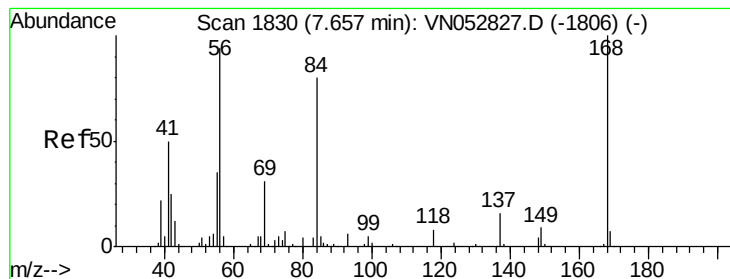
85 0.0 52.1 78.1#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 5.991 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.01 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

Instrument :

MSVOA_N

ClientSampleId :

057_BT-2-1

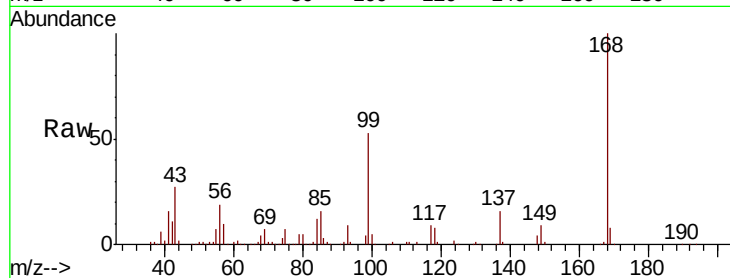
Tot Ion: 56 Resp: 137181

Ion Ratio Lower Upper

56 100

69 35.2 26.6 39.8

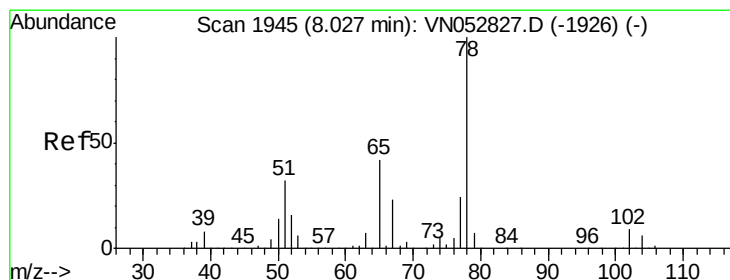
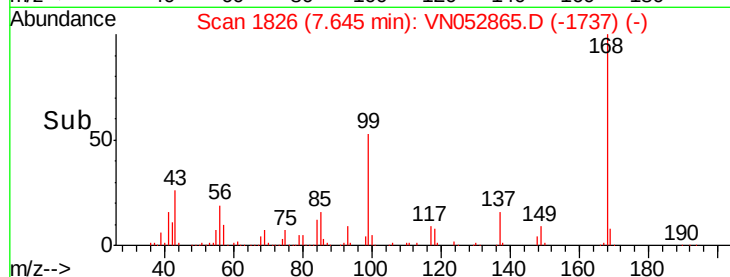
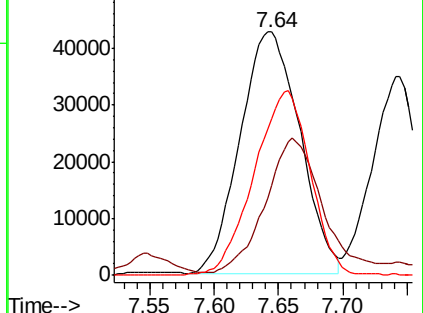
84 64.6 68.4 102.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN052865.D

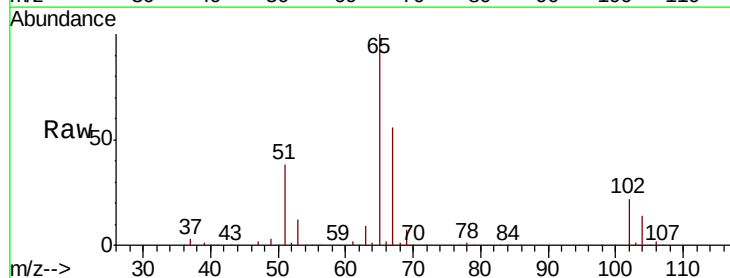
Acq: 13 Dec 2018 15:34

Tgt Ion: 65 Resp: 570809

Ion Ratio Lower Upper

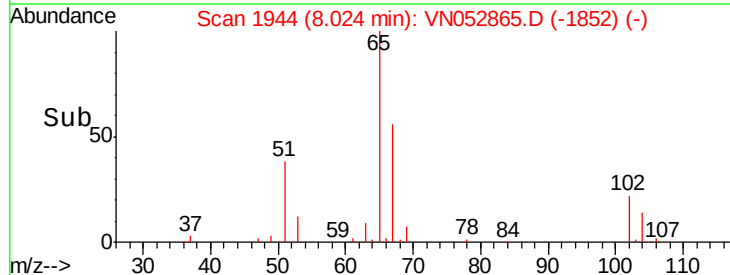
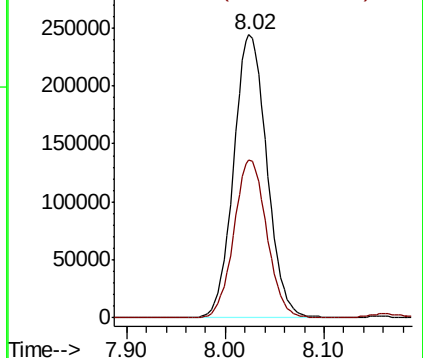
65 100

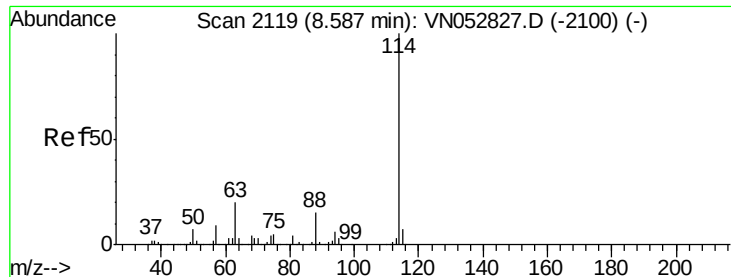
67 54.9 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

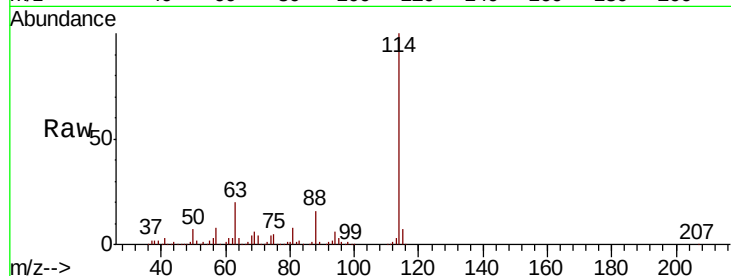




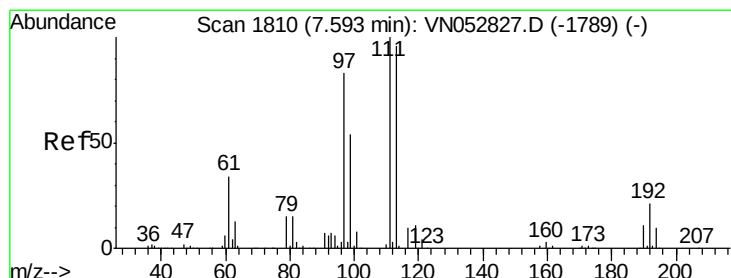
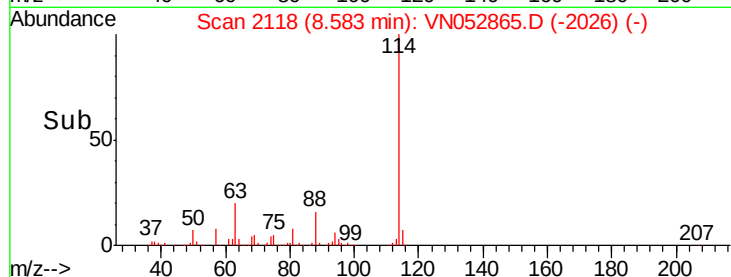
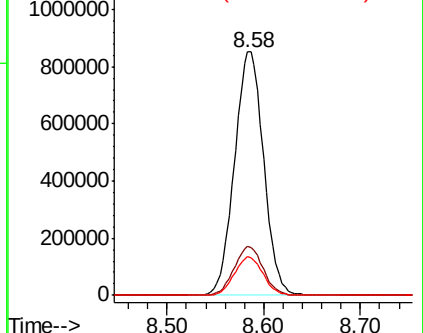
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052865.D
 Acq: 13 Dec 2018 15:34

Instrument :
 MSVOA_N
 ClientSampled :
 057_BT-2-1

Tot Ion:114 Resp: 1779079
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.7 0.0 31.0

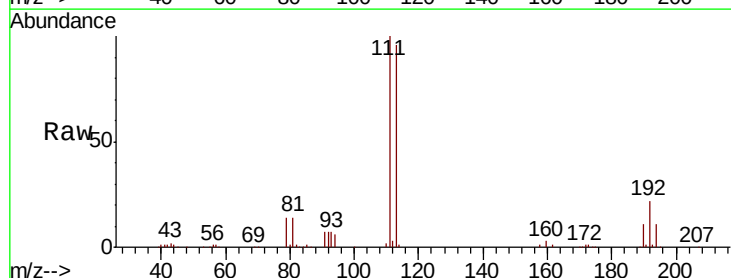


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

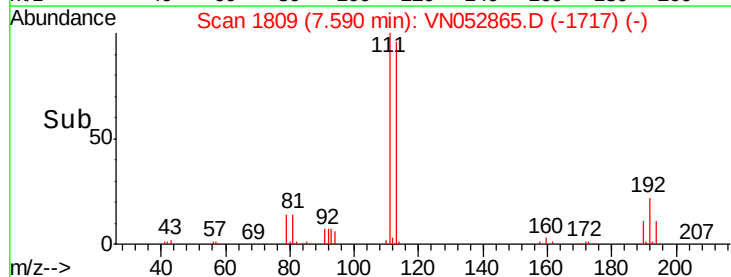
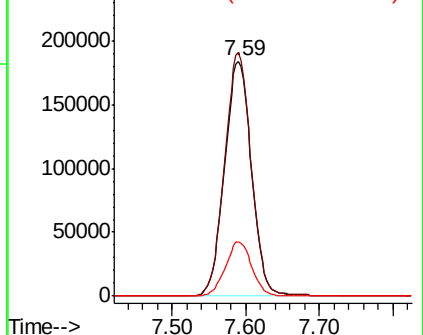


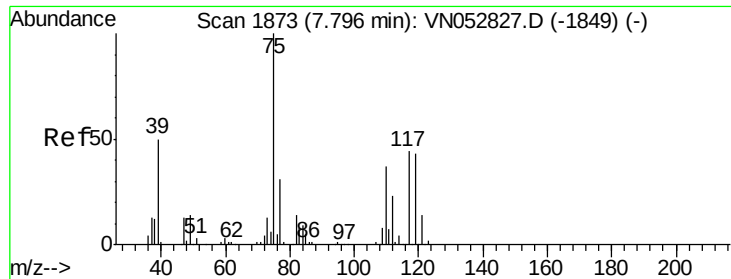
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052865.D
 Acq: 13 Dec 2018 15:34

Tgt Ion:113 Resp: 467396
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.0 124.4
 192 22.6 17.5 26.3



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

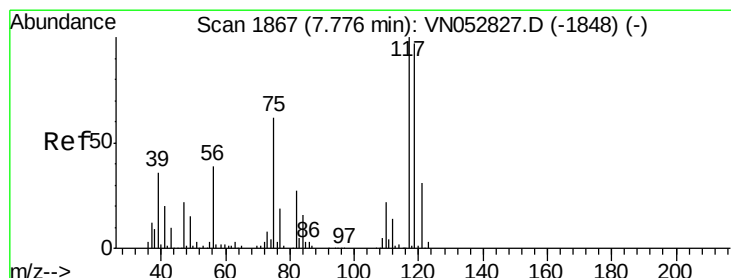
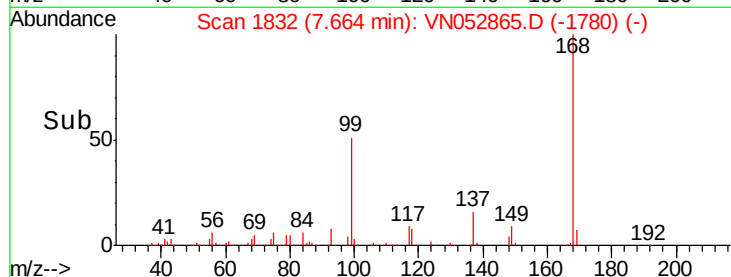
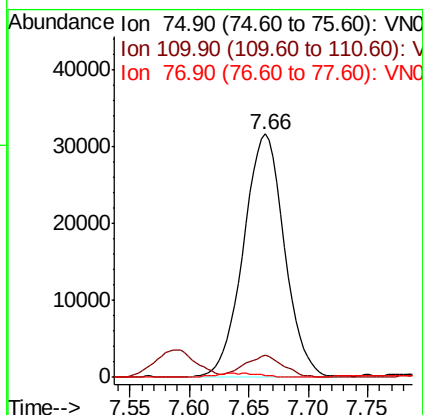
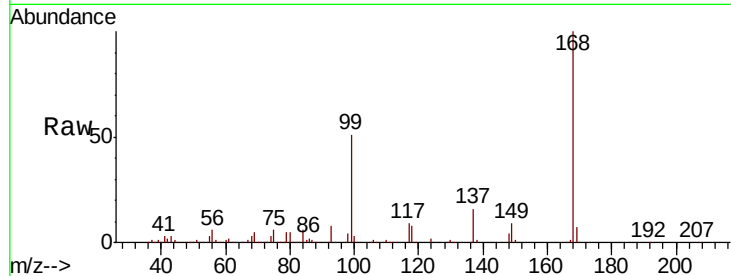




#36
 1,1-Dichloropropene
 Concen: 4.607 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052865.D
 Acq: 13 Dec 2018 15:34

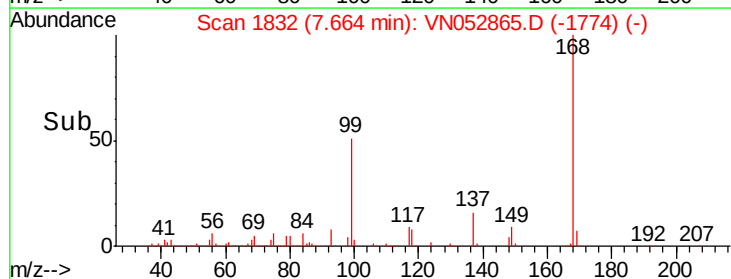
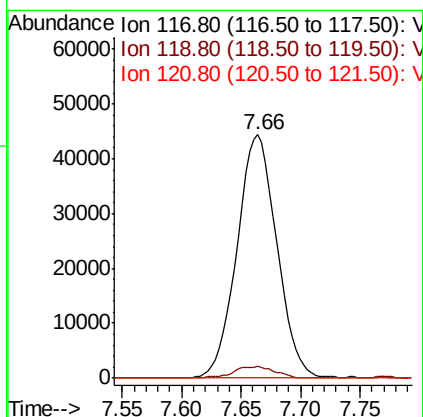
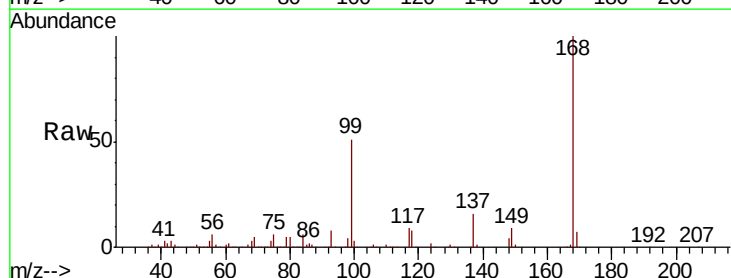
Instrument :
 MSVOA_N
 ClientSampleId :
 057_BT-2-1

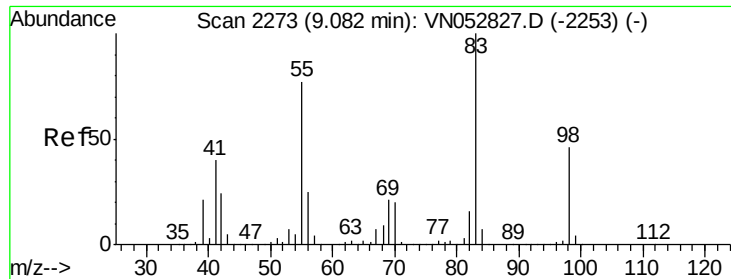
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.2	54.6#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.822 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN052865.D
 Acq: 13 Dec 2018 15:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	77.1	115.7#
121	0.0	24.9	37.3#

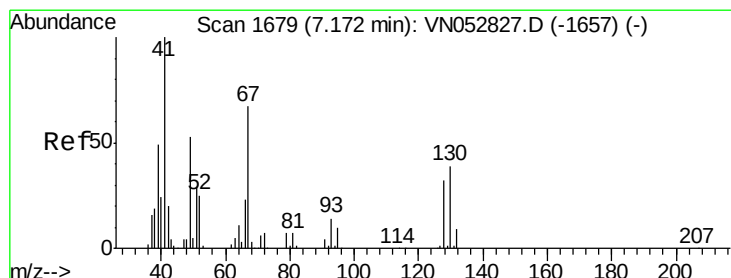
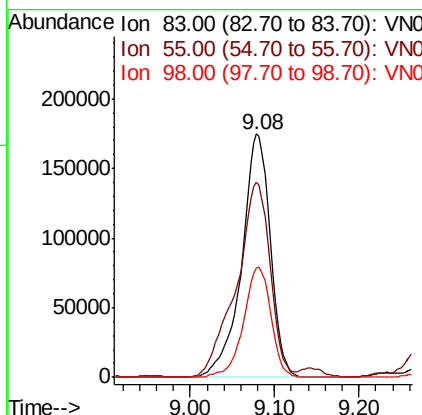
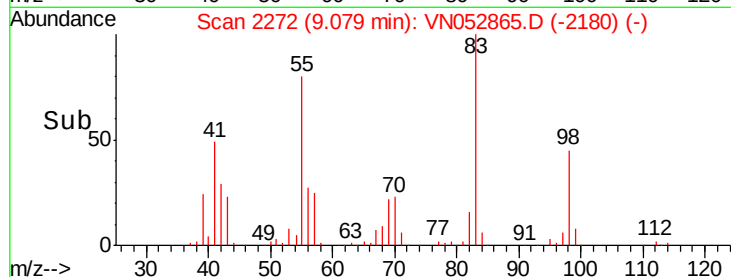
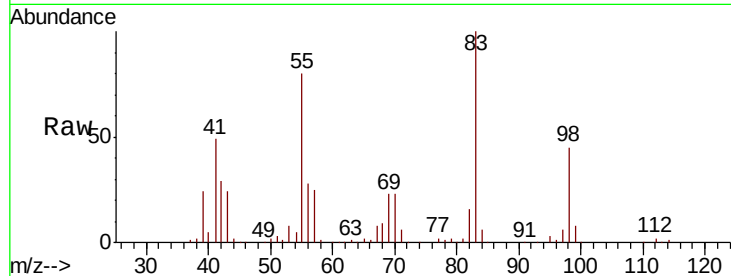




#39
Methylvlcyclohexane
Concen: 20.564 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN052865.D
Acq: 13 Dec 2018 15:34

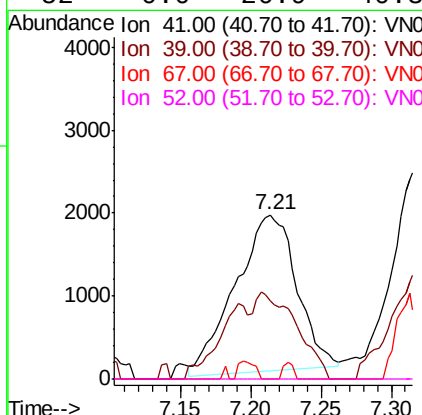
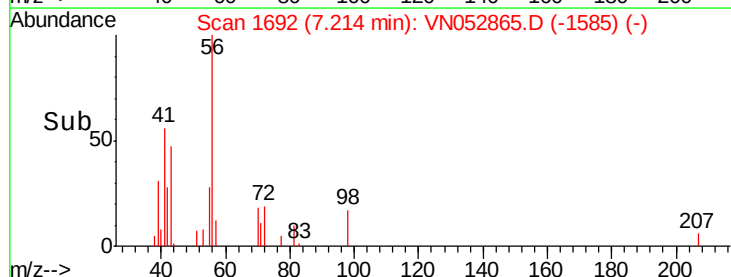
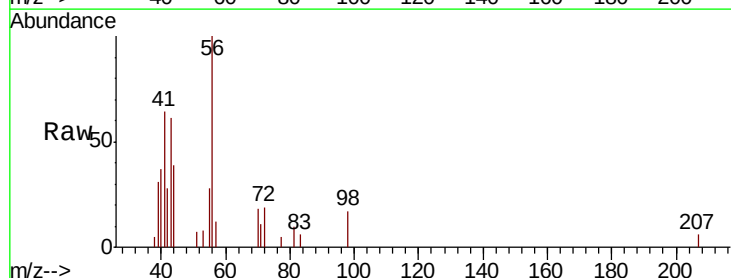
Instrument :
MSVOA_N
ClientSampleId :
057_BT-2-1

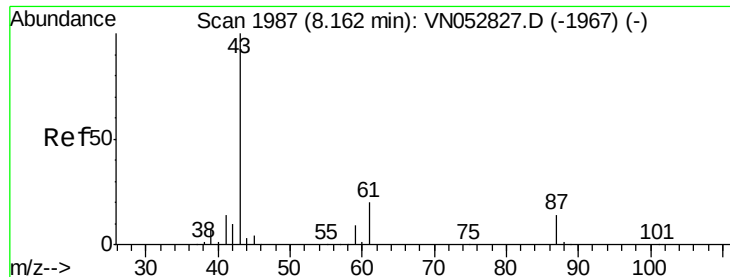
Tot Ion: 83 Resp: 413440
Ion Ratio Lower Upper
83 100
55 80.0 61.3 91.9
98 44.9 37.0 55.4



#41
Methacrylonitrile
Concen: 1.054 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.04 min
Lab File: VN052865.D
Acq: 13 Dec 2018 15:34

Tgt Ion: 41 Resp: 5745
Ion Ratio Lower Upper
41 100
39 36.4 48.0 72.0#
67 0.0 70.3 105.5#
52 0.0 26.9 40.3#





#43

Isopropyl Acetate

Concen: 2.375 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. -0.01 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

Instrument :

MSVOA_N

ClientSampled :

057_BT-2-1

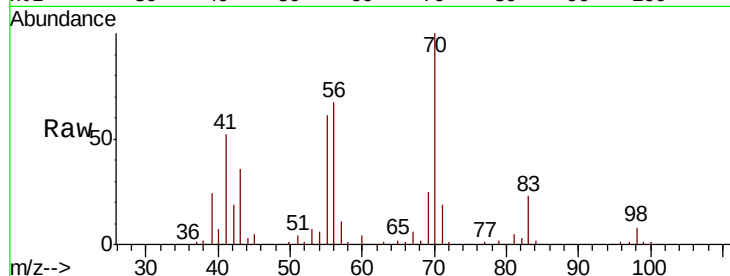
Tot Ion: 43 Resp: 47916

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

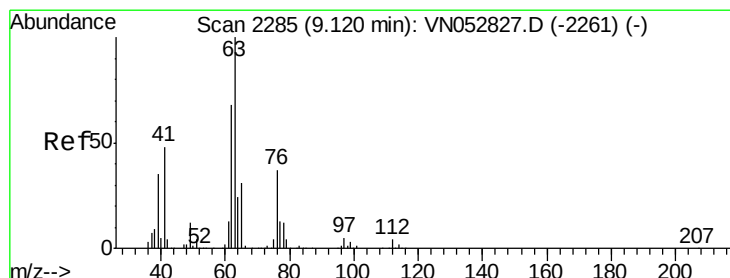
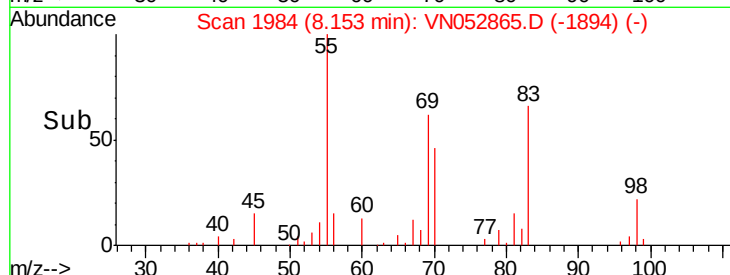
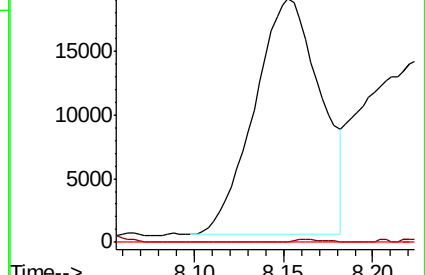
87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052827.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052827.D (-1967) (-)



#45

1,2-Dichloropropane

Concen: 0.346 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. -0.04 min

Lab File: VN052865.D

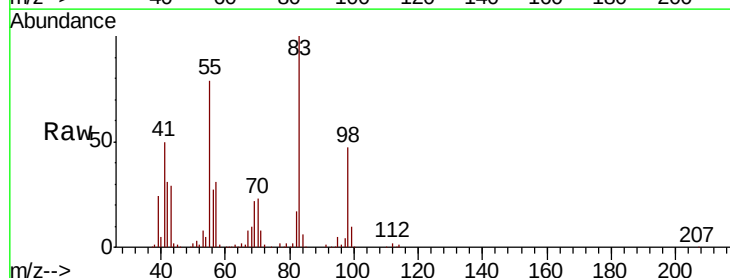
Acq: 13 Dec 2018 15:34

Tgt Ion: 63 Resp: 4461

Ion Ratio Lower Upper

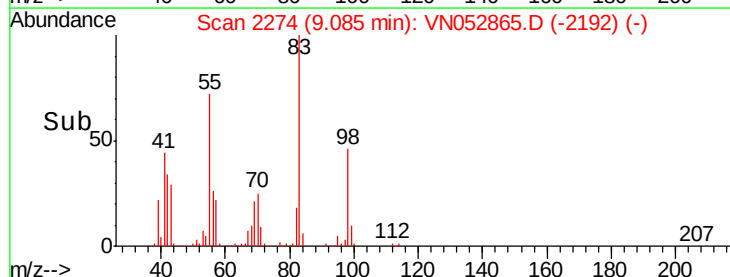
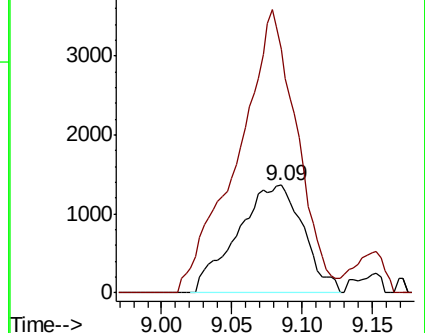
63 100

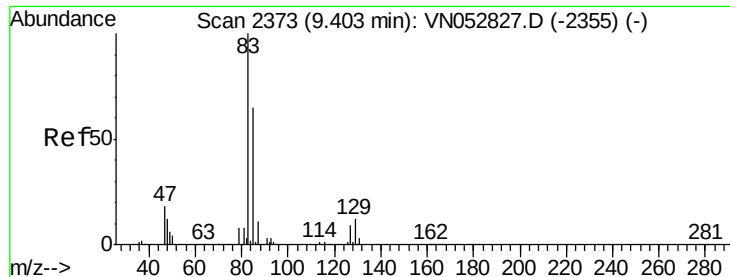
65 212.7 24.6 37.0#



Abundance Ion 62.90 (62.60 to 63.60): VN052827.D (-2261) (-)

Ion 64.90 (64.60 to 65.60): VN052827.D (-2261) (-)





#47

Bromodichloromethane

Concen: 3.693 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.02 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

Instrument :

MSVOA_N

ClientSampled :

057_BT-2-1

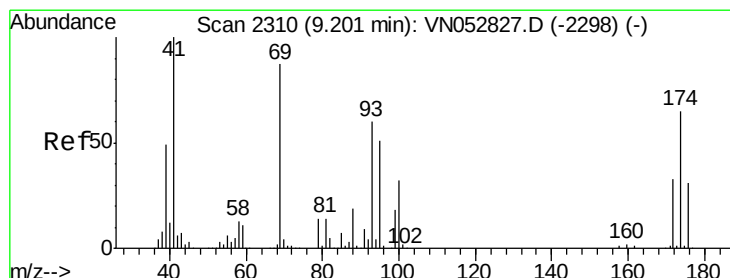
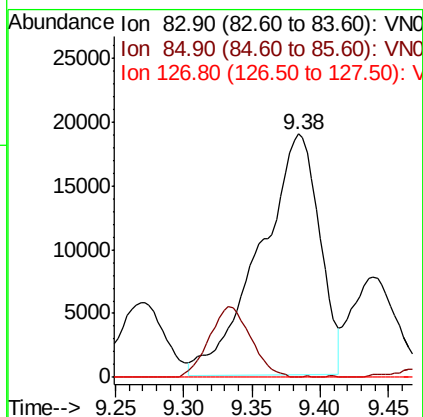
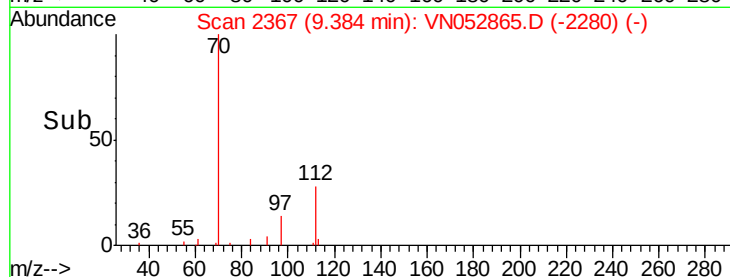
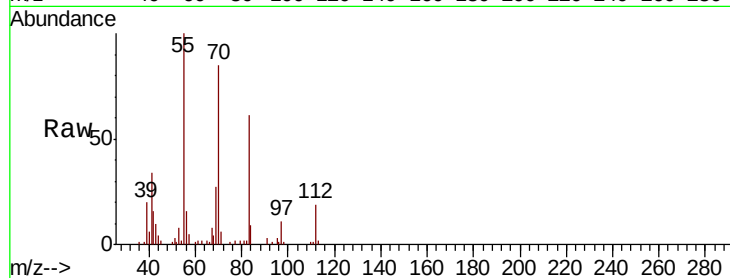
Tot Ion: 83 Resp: 57199

Ion Ratio Lower Upper

83 100

85 0.0 51.6 77.4#

127 0.0 7.1 10.7#



#48

Methyl methacrylate

Concen: 4.343 ug/l

RT: 9.14 min Scan# 2291

Delta R.T. -0.06 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

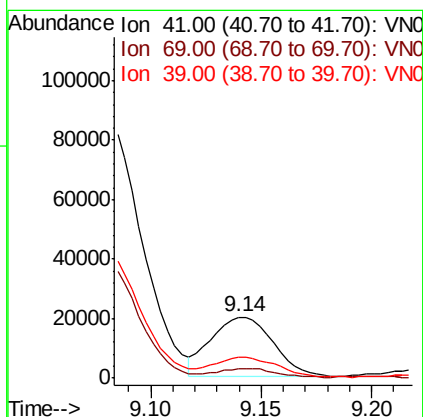
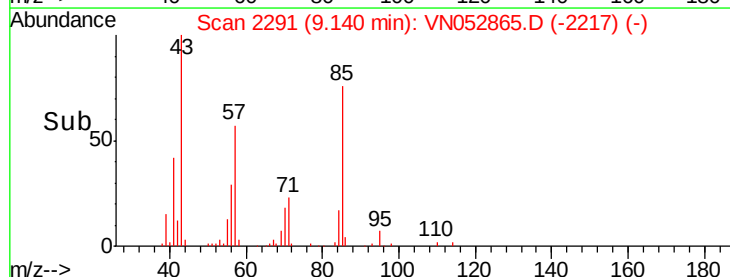
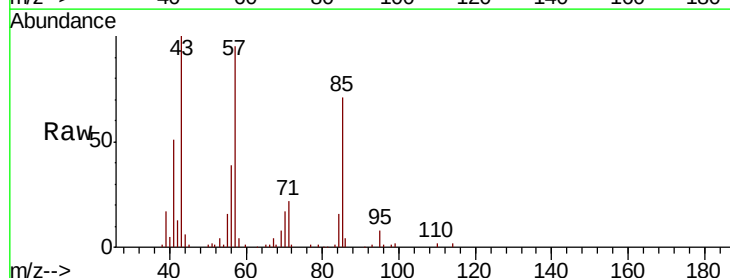
Tgt Ion: 41 Resp: 38429

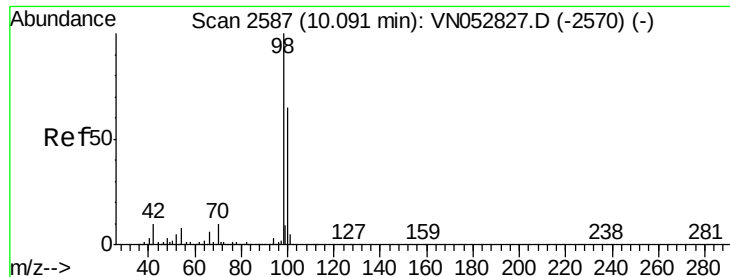
Ion Ratio Lower Upper

41 100

69 13.1 72.2 108.2#

39 34.5 41.9 62.9#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

Instrument :

MSVOA_N

ClientSampleId :

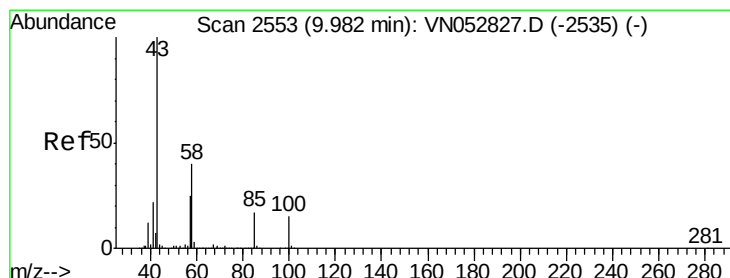
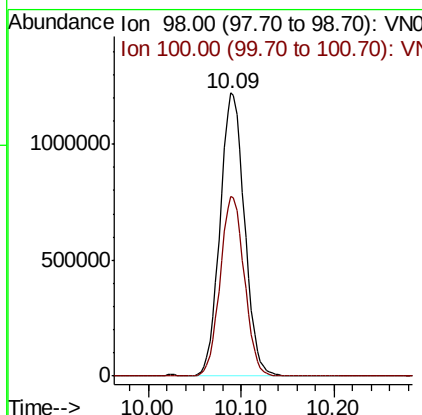
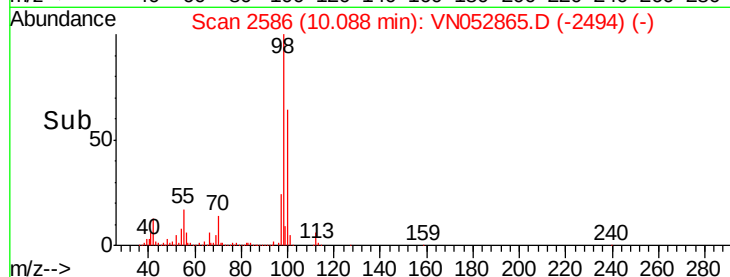
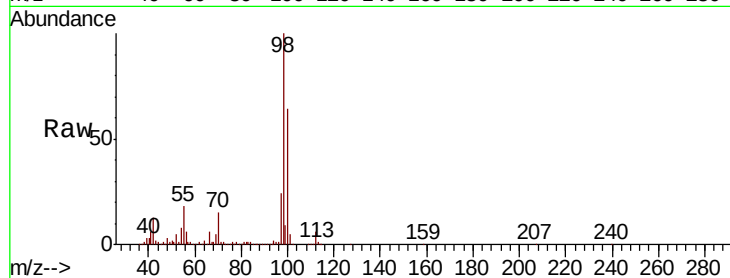
057_BT-2-1

Tot Ion: 98 Resp: 2230506

Ion Ratio Lower Upper

98 100

100 62.8 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 4.223 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.10 min

Lab File: VN052865.D

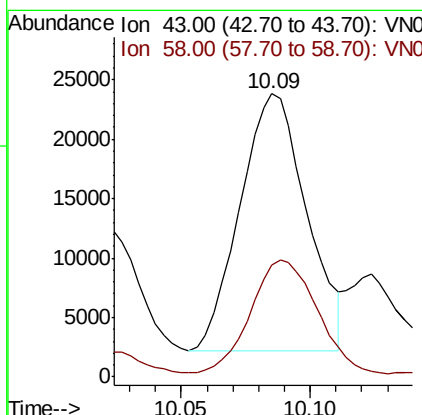
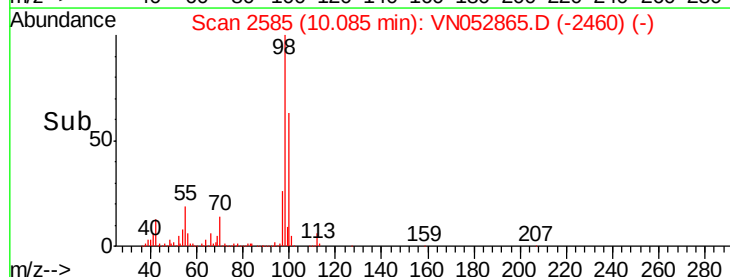
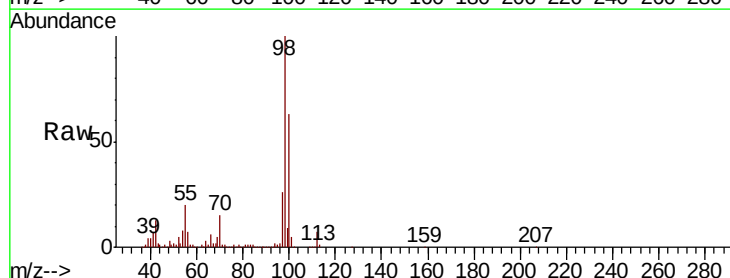
Acq: 13 Dec 2018 15:34

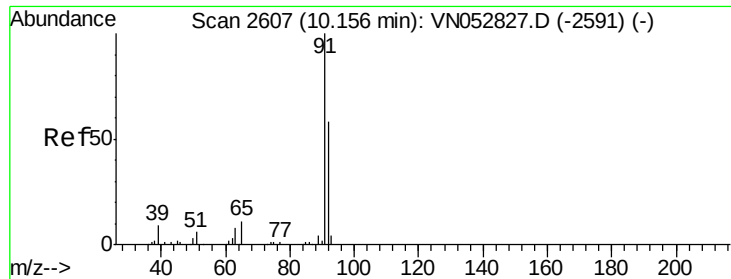
Tgt Ion: 43 Resp: 39075

Ion Ratio Lower Upper

43 100

58 44.4 32.2 48.4





#52

Toluene

Concen: 0.398 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

Instrument :

MSVOA_N

ClientSampled :

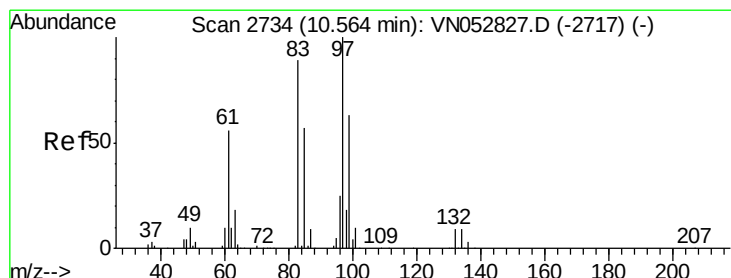
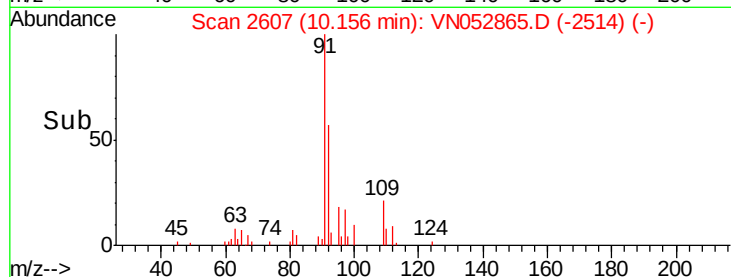
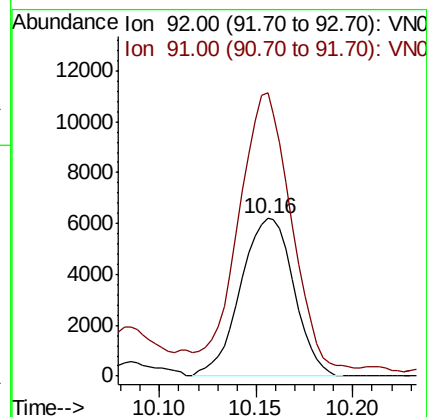
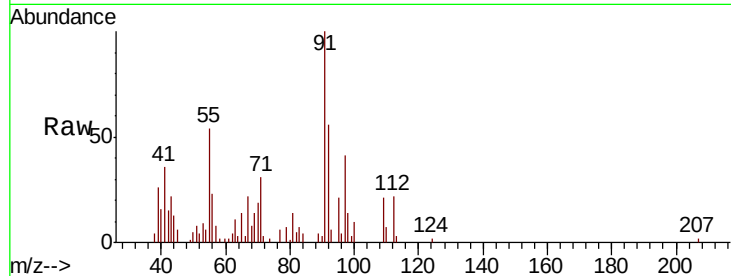
057_BT-2-1

Tot Ion: 92 Resp: 11863

Ion Ratio Lower Upper

92 100

91 171.9 139.8 209.6



#55

1,1,2-Trichloroethane

Concen: 19.701 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.03 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

Tgt Ion: 97 Resp: 209444

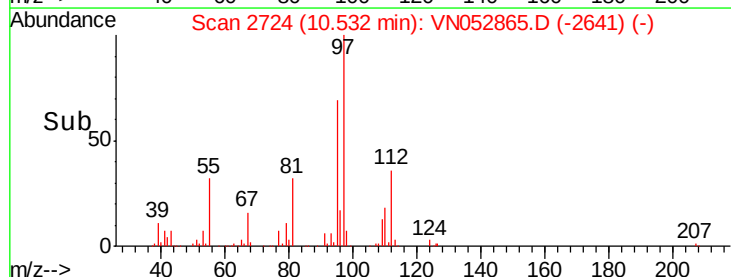
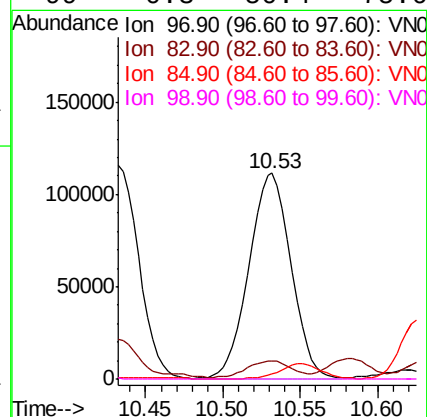
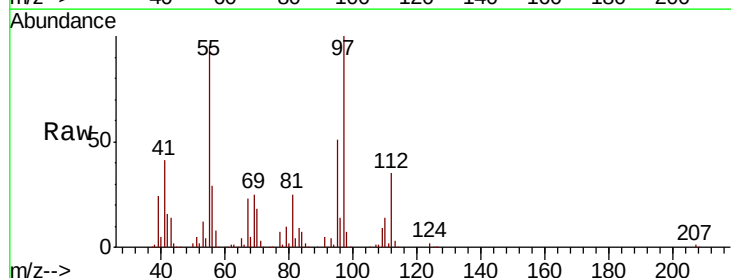
Ion Ratio Lower Upper

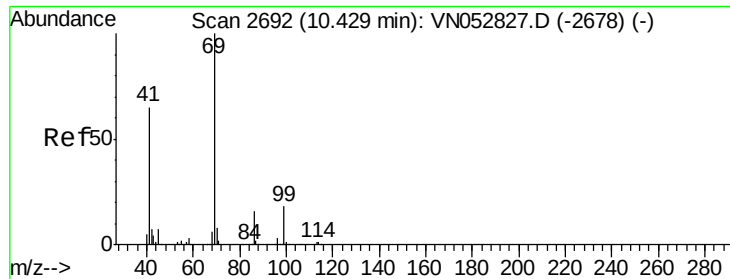
97 100

83 7.4 70.9 106.3#

85 2.1 45.4 68.2#

99 0.3 50.4 75.6#





#56

Ethyl methacrylate

Concen: 3.117 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

Instrument :

MSVOA_N

ClientSampled :

057_BT-2-1

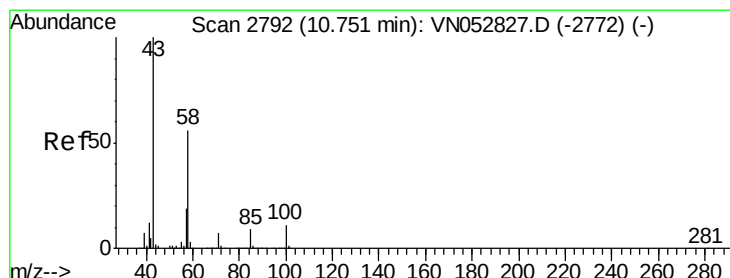
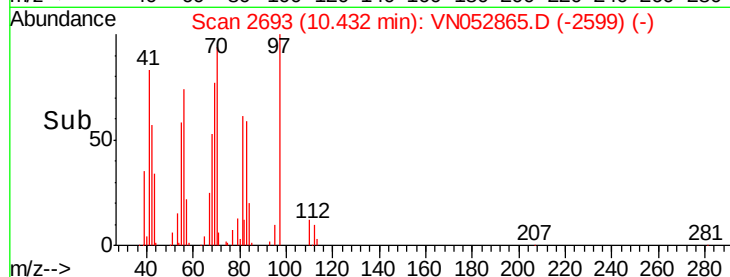
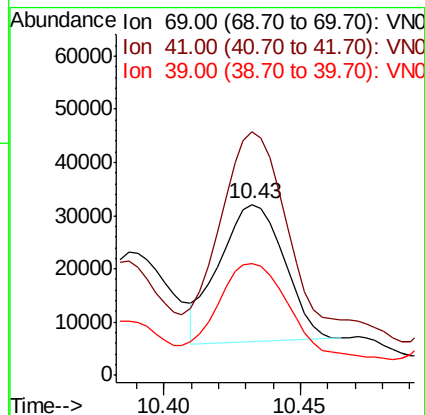
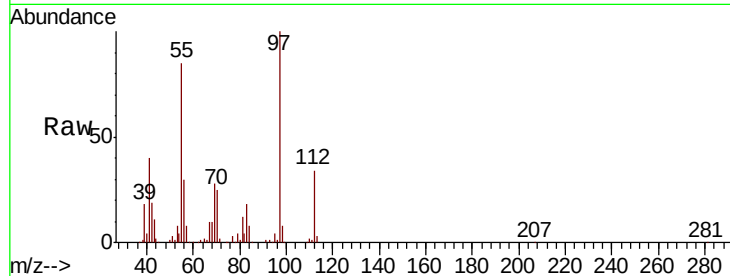
Tot Ion: 69 Resp: 42522

Ion Ratio Lower Upper

69 100

41 176.2 51.7 77.5#

39 76.9 24.6 37.0#



#59

2-Hexanone

Concen: 35.561 ug/l

RT: 10.72 min Scan# 2782

Delta R.T. -0.03 min

Lab File: VN052865.D

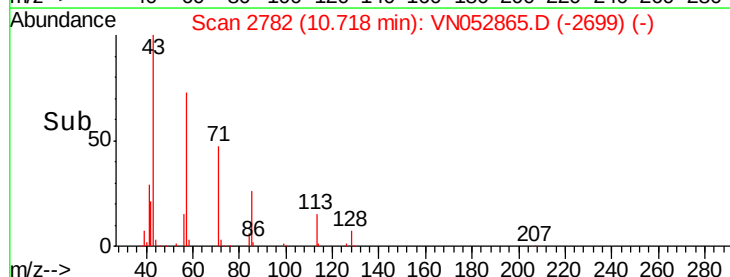
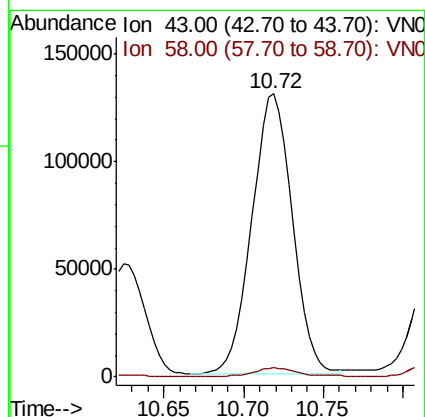
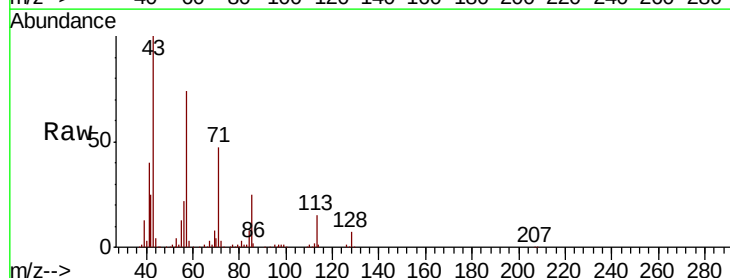
Acq: 13 Dec 2018 15:34

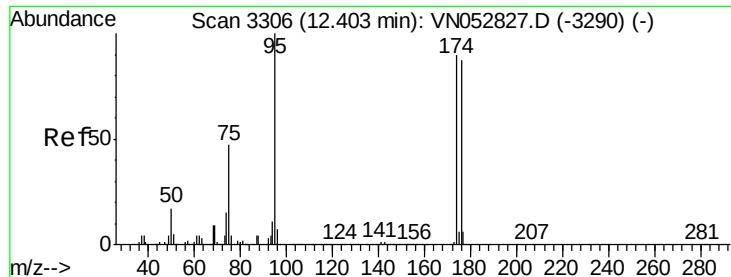
Tgt Ion: 43 Resp: 225494

Ion Ratio Lower Upper

43 100

58 3.5 28.1 84.3#





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

Instrument :

MSVOA_N

ClientSampleId :

057_BT-2-1

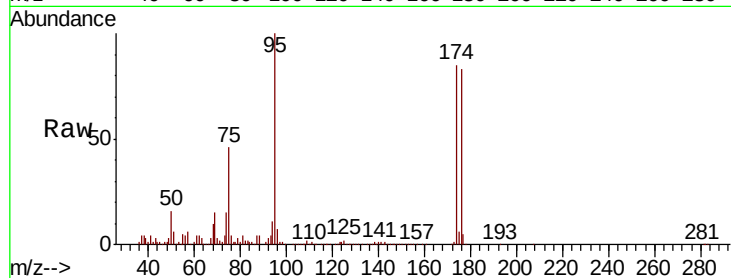
Tot Ion: 95 Resp: 779012

Ion Ratio Lower Upper

95 100

174 86.3 0.0 178.8

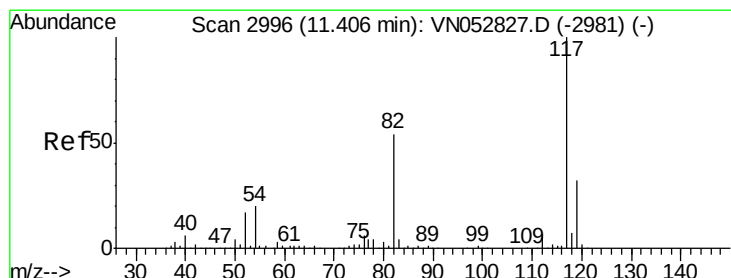
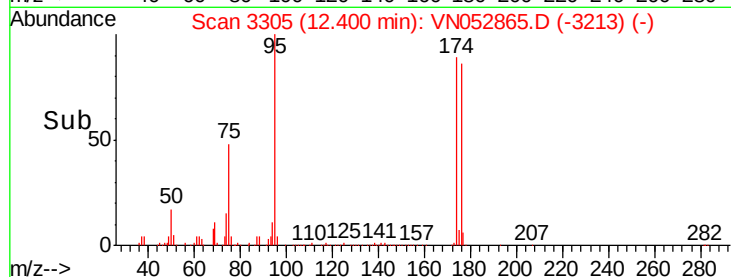
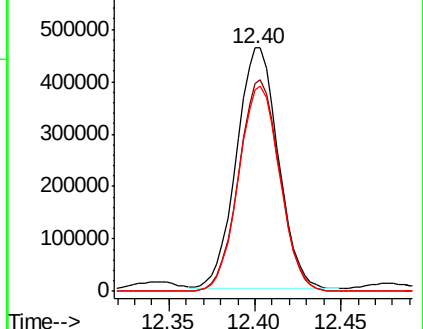
176 84.2 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VN052827.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN052827.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN052827.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

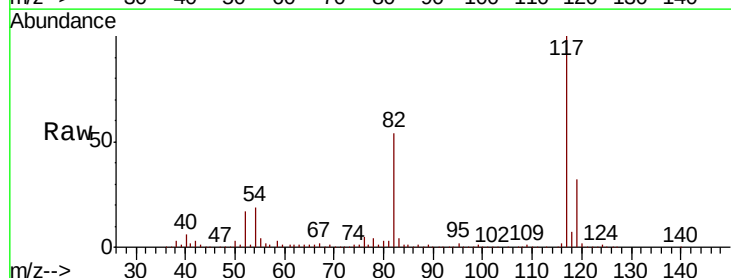
Tgt Ion: 117 Resp: 1595217

Ion Ratio Lower Upper

117 100

82 53.4 42.8 64.2

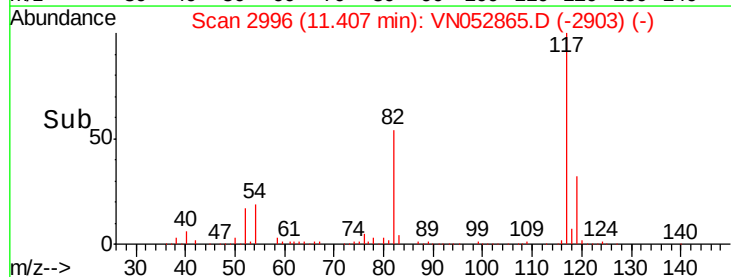
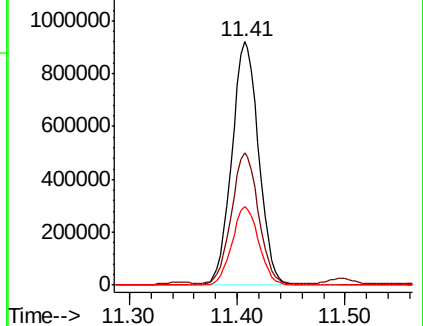
119 32.3 25.5 38.3

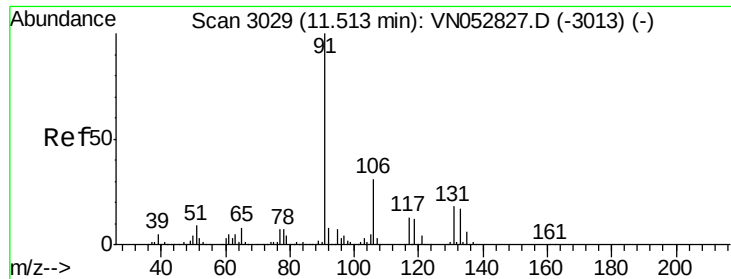


Abundance Ion 116.90 (116.60 to 117.60): VN052827.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN052827.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN052827.D (-2981) (-)





#67

Ethyl Benzene

Concen: 0.369 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

Instrument :

MSVOA_N

ClientSampled :

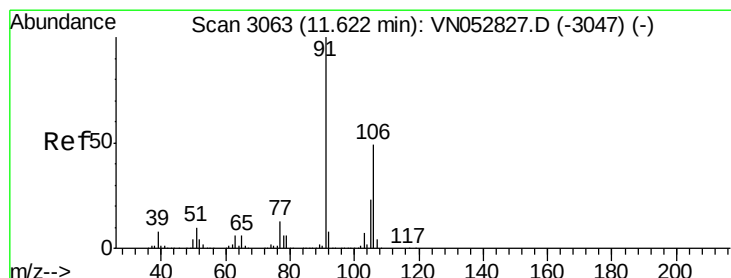
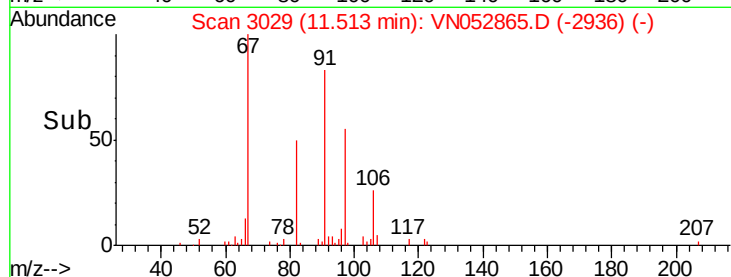
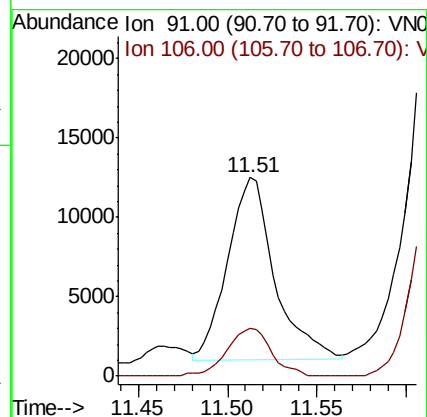
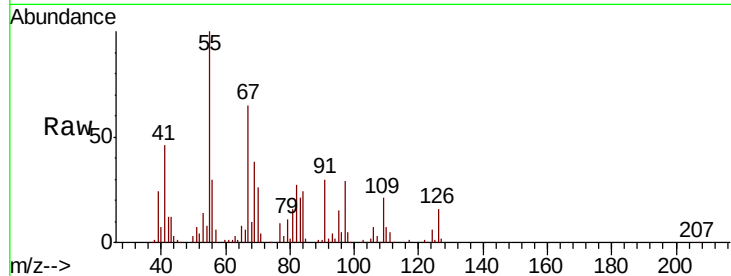
057_BT-2-1

Tot Ion: 91 Resp: 20992

Ion Ratio Lower Upper

91 100

106 26.9 24.9 37.3



#68

m/p-Xylenes

Concen: 1.281 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052865.D

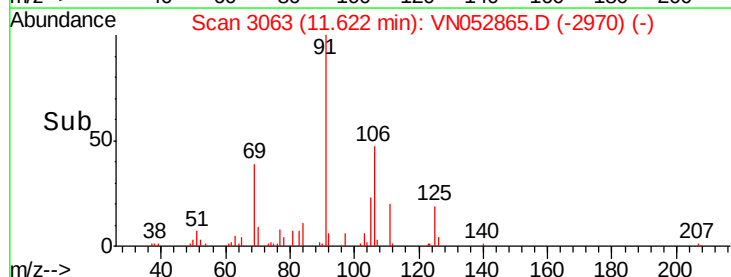
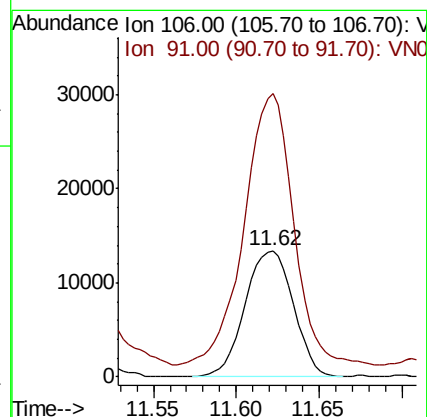
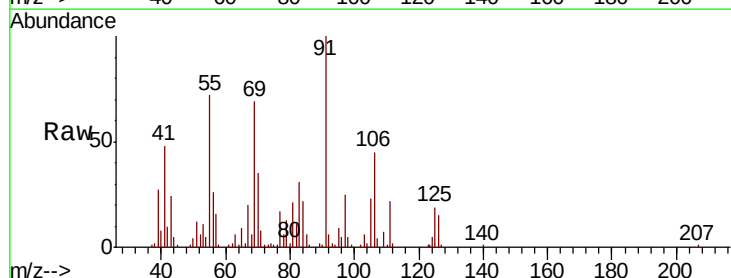
Acq: 13 Dec 2018 15:34

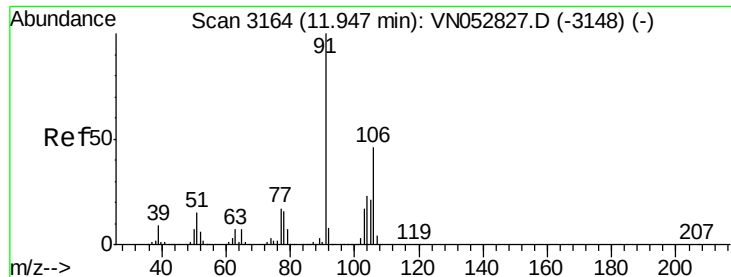
Tgt Ion: 106 Resp: 27334

Ion Ratio Lower Upper

106 100

91 218.8 162.2 243.4

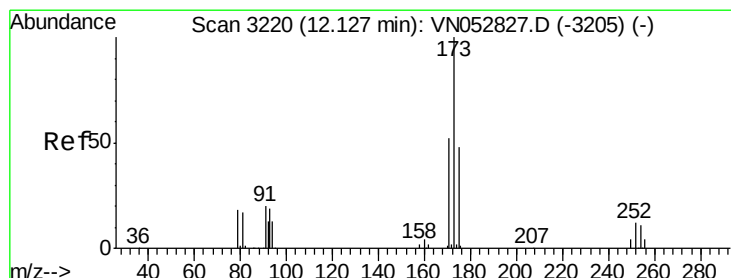
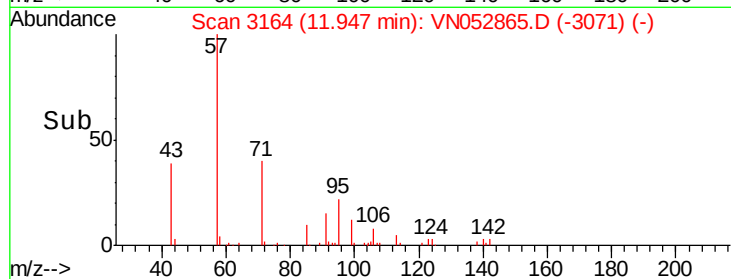
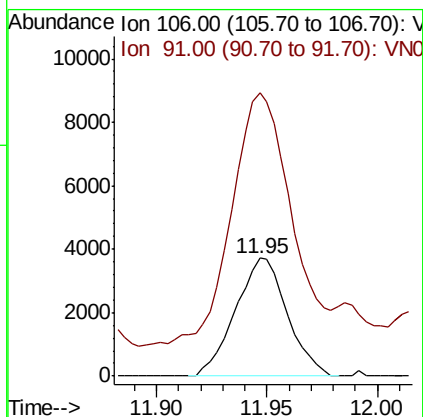
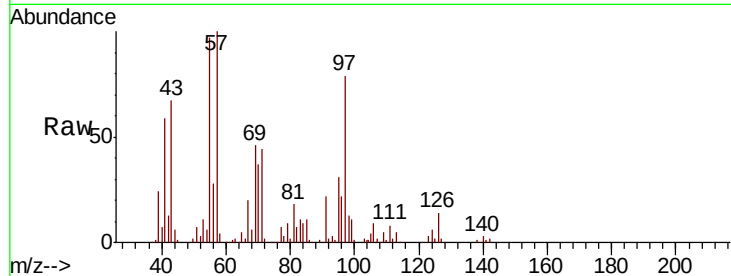




#69
o-Xylene
Concen: 0.291 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052865.D
Acq: 13 Dec 2018 15:34

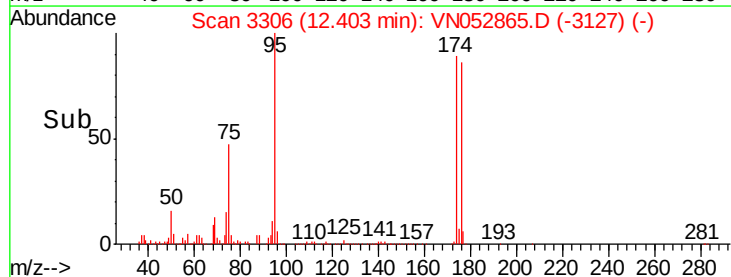
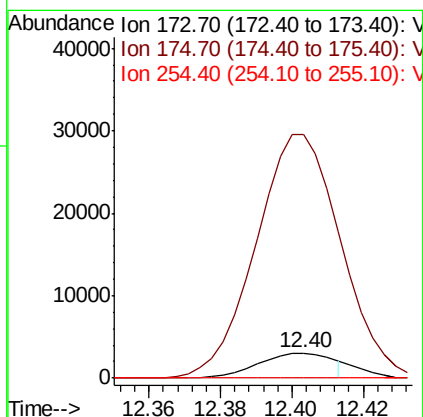
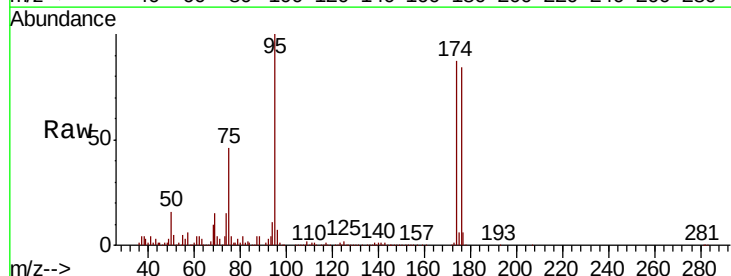
Instrument :
MSVOA_N
ClientSampled :
057_BT-2-1

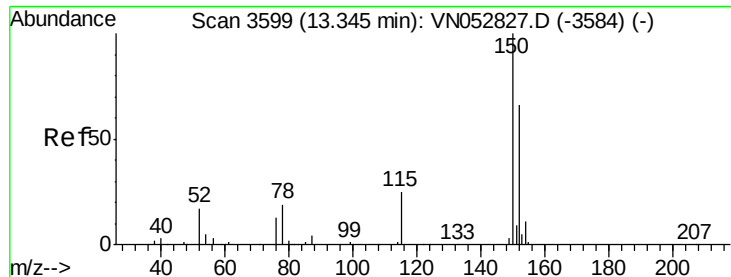
Tot Ion:106 Resp: 6063
Ion Ratio Lower Upper
106 100
91 246.4 106.6 319.8



#71
Bromoform
Concen: 0.564 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052865.D
Acq: 13 Dec 2018 15:34

Tgt Ion:173 Resp: 4410
Ion Ratio Lower Upper
173 100
175 970.6 24.3 72.9#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

Instrument :

MSVOA_N

ClientSampleId :

057_BT-2-1

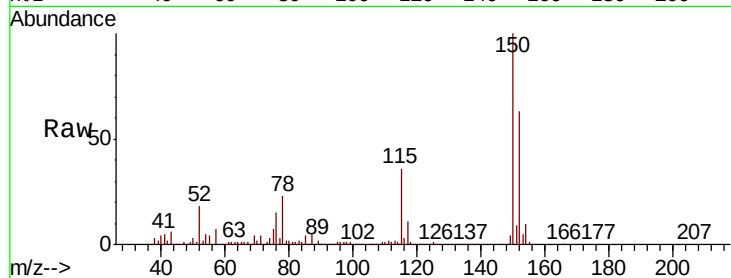
Tot Ion:152 Resp: 753757

Ion Ratio Lower Upper

152 100

115 56.9 28.3 85.0

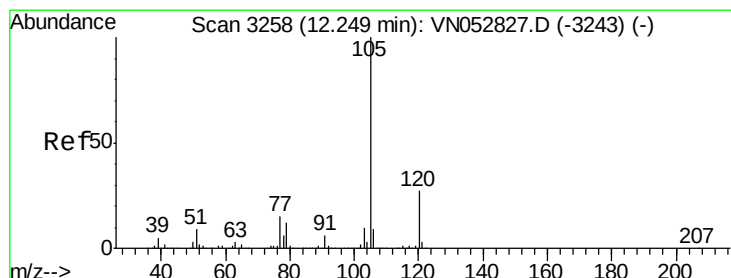
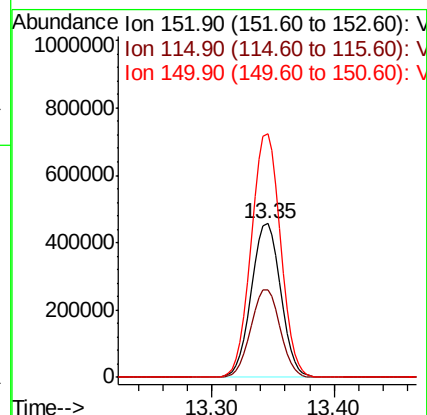
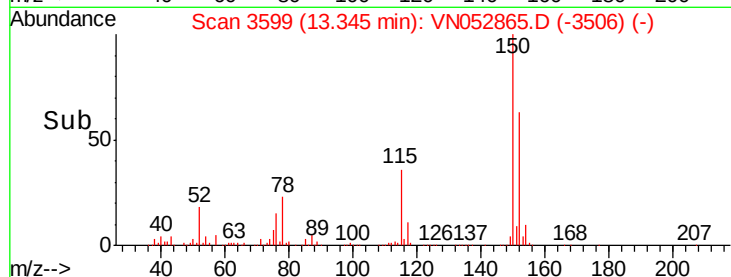
150 157.6 0.0 347.8



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: 1.790 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052865.D

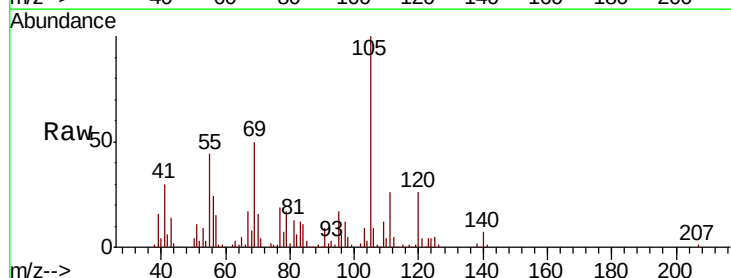
Acq: 13 Dec 2018 15:34

Tgt Ion:105 Resp: 100766

Ion Ratio Lower Upper

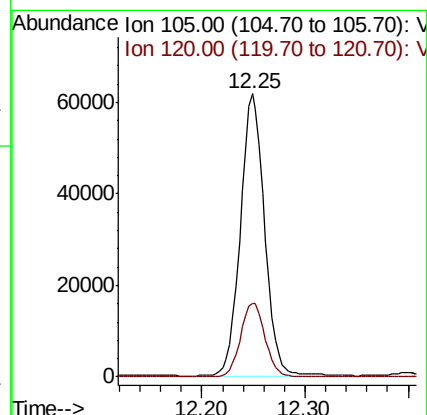
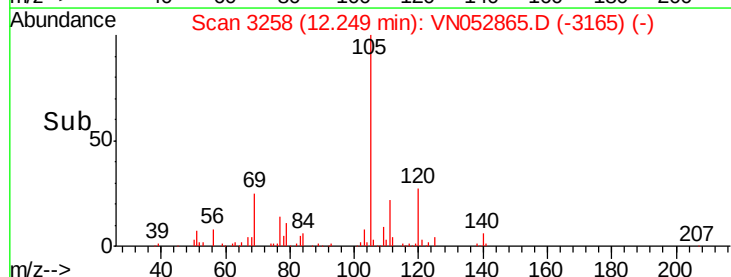
105 100

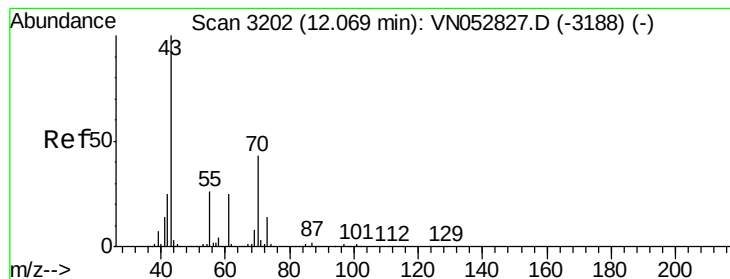
120 26.3 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 8.172 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

Instrument :

MSVOA_N

ClientSampled :

057_BT-2-1

Tot Ion: 43 Resp: 126261

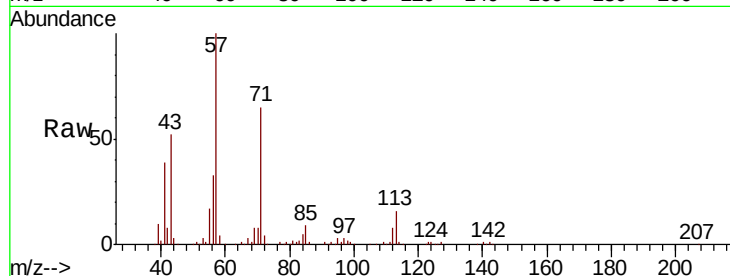
Ion Ratio Lower Upper

43 100

70 10.0 34.2 51.4#

55 7.6 20.3 30.5#

61 0.0 20.0 30.0#

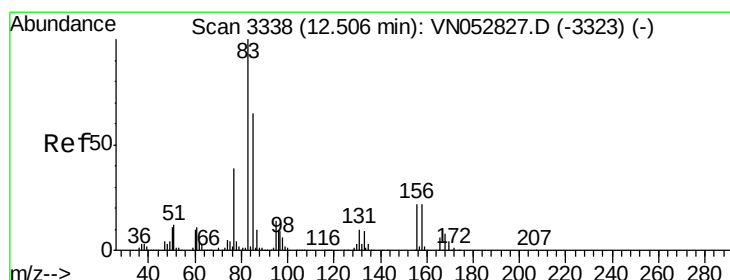
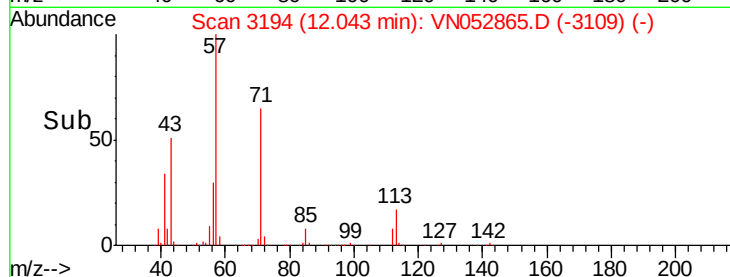
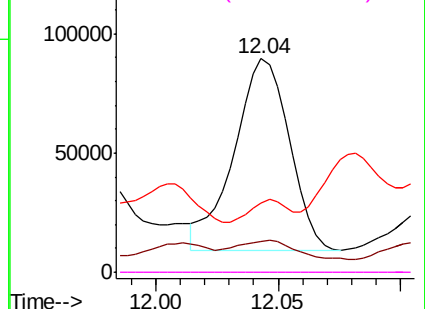


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 0.640 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.03 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

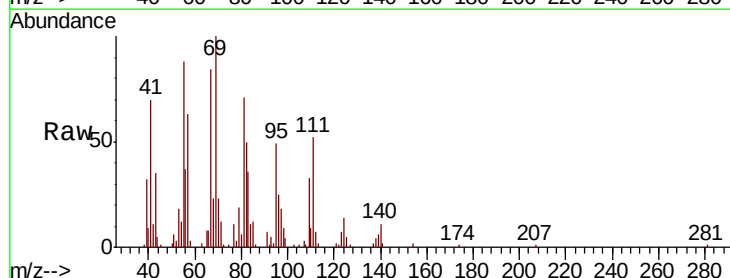
Tgt Ion: 83 Resp: 8070

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

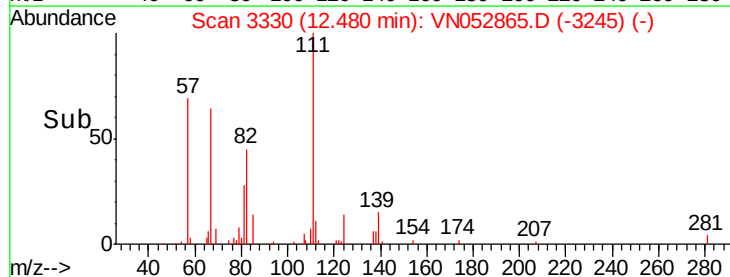
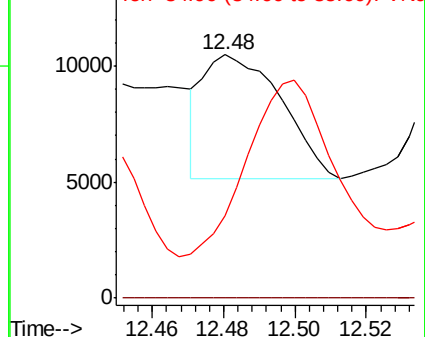
85 191.4 32.4 97.0#

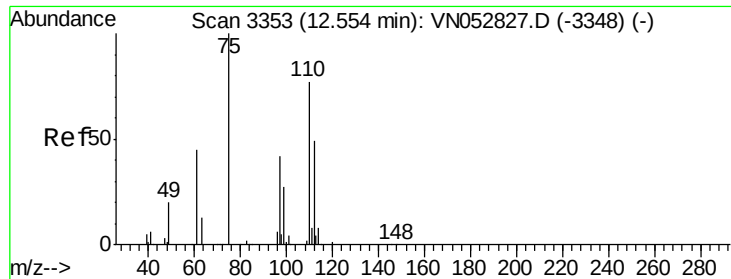


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0

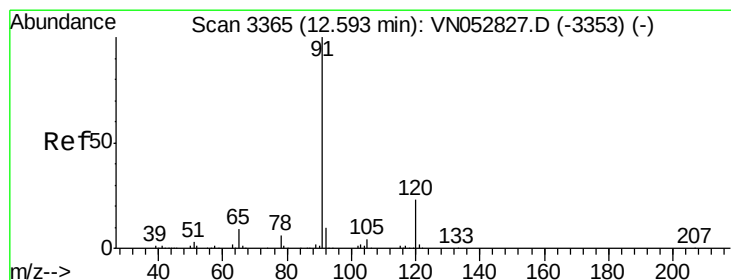
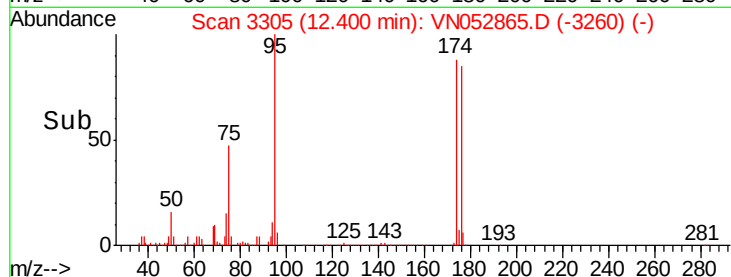
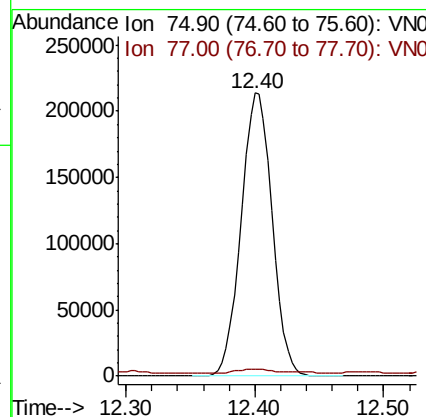
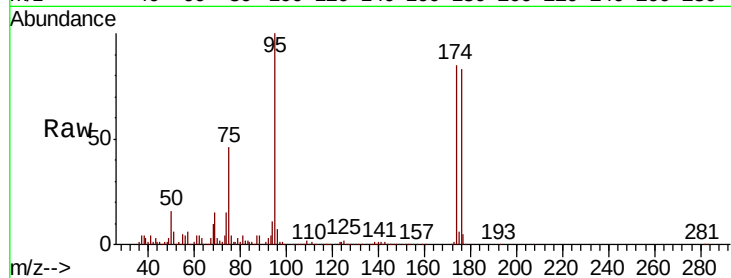




#76
 1,2,3-Trichloropropane
 Concen: 32.122 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN052865.D
 Acq: 13 Dec 2018 15:34

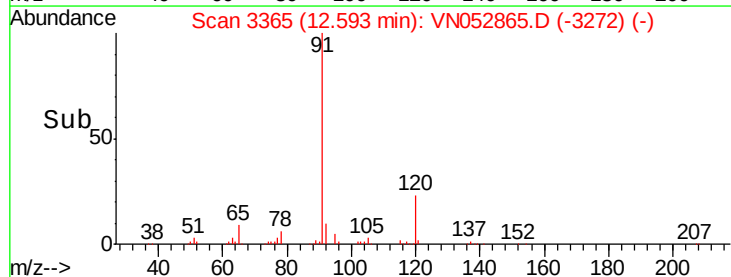
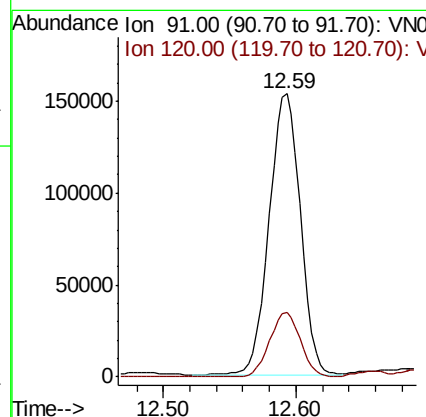
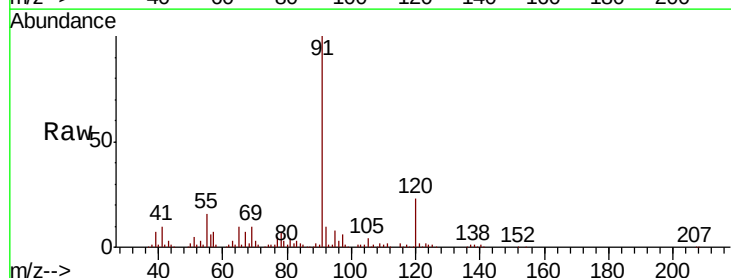
Instrument :
 MSVOA_N
 ClientSampleId :
 057_BT-2-1

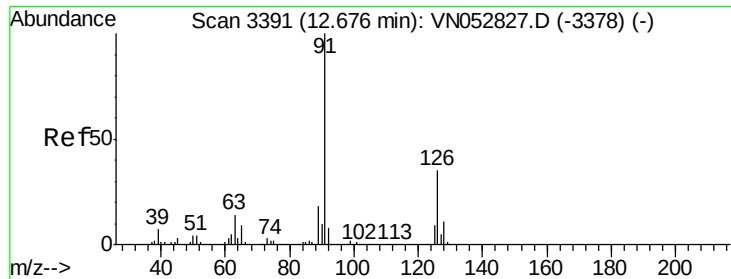
Tot Ion: 75 Resp: 357220
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#78
 n-propylbenzene
 Concen: 3.935 ug/l
 RT: 12.59 min Scan# 3365
 Delta R.T. 0.00 min
 Lab File: VN052865.D
 Acq: 13 Dec 2018 15:34

Tgt Ion: 91 Resp: 252551
 Ion Ratio Lower Upper
 91 100
 120 22.6 11.5 34.5





#79

2-Chlorotoluene

Concen: 0.207 ug/l

RT: 12.68 min Scan# 3393

Delta R.T. 0.01 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

Instrument :

MSVOA_N

ClientSampleId :

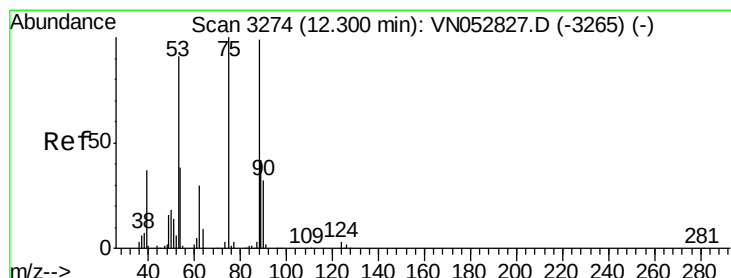
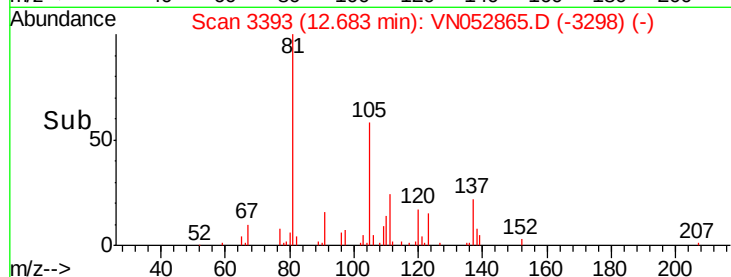
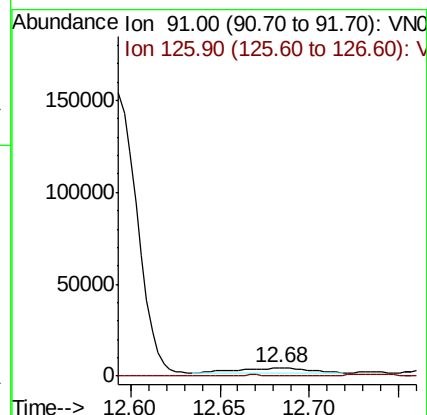
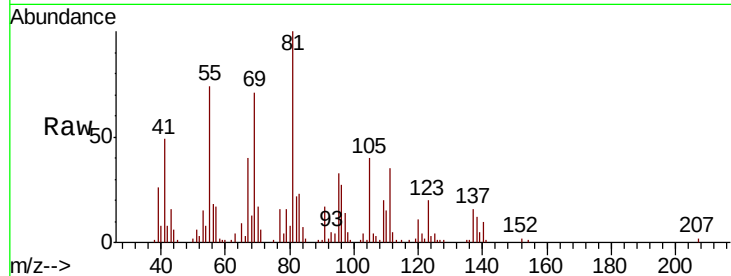
057_BT-2-1

Tot Ion: 91 Resp: 7848

Ion Ratio Lower Upper

91 100

126 13.4 17.4 52.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 103.190 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

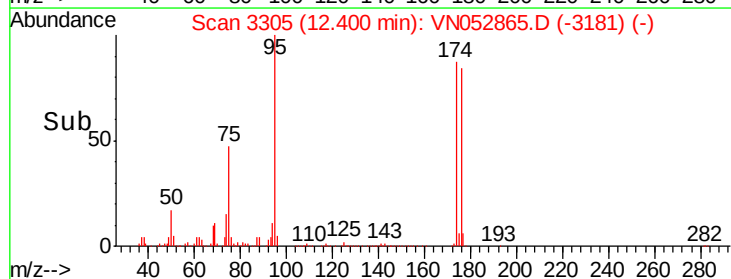
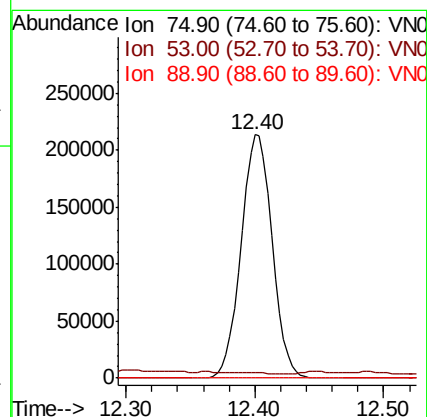
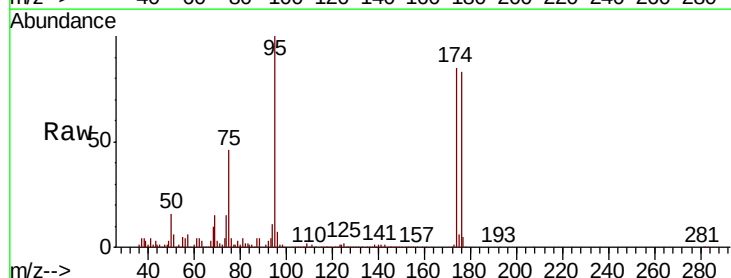
Tgt Ion: 75 Resp: 357220

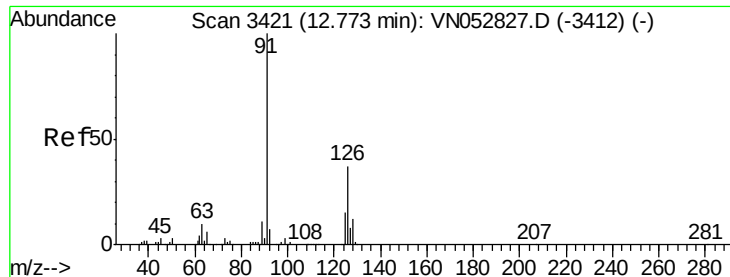
Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.1 54.1#





#82

4-Chlorotoluene

Concen: 0.202 ug/l

RT: 12.68 min Scan# 3393

Delta R.T. -0.09 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

Instrument :

MSVOA_N

ClientSampleId :

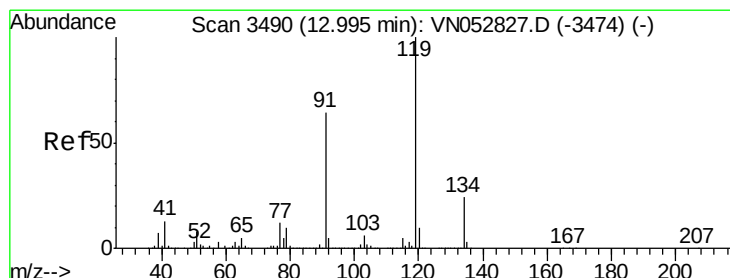
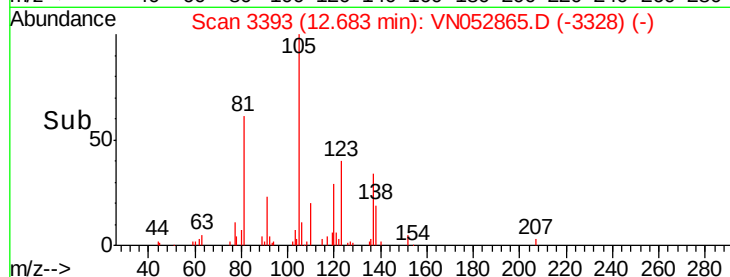
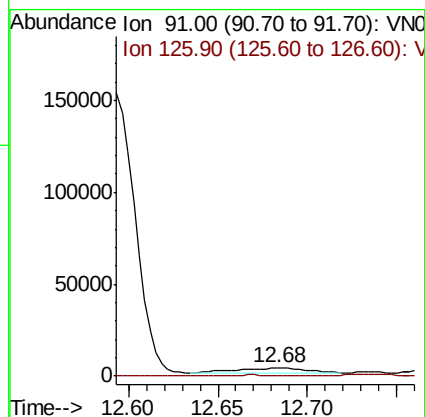
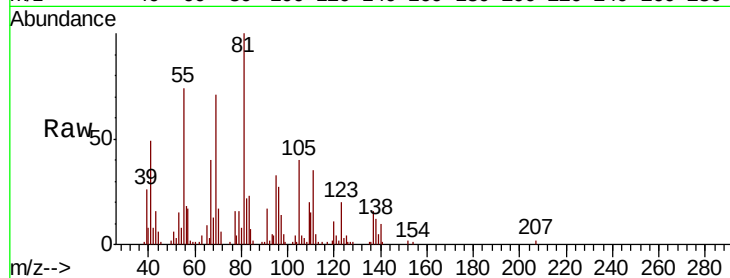
057_BT-2-1

Tot Ion: 91 Resp: 7848

Ion Ratio Lower Upper

91 100

126 13.4 17.3 51.7#



#83

tert-Butylbenzene

Concen: 0.267 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

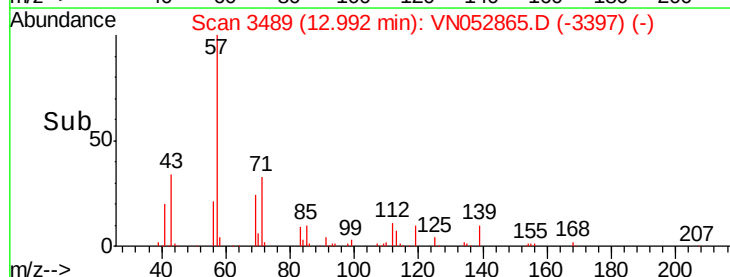
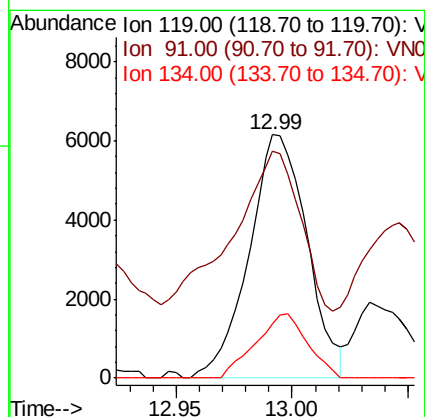
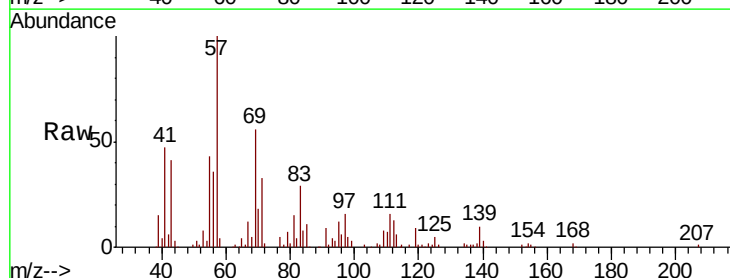
Tgt Ion: 119 Resp: 10696

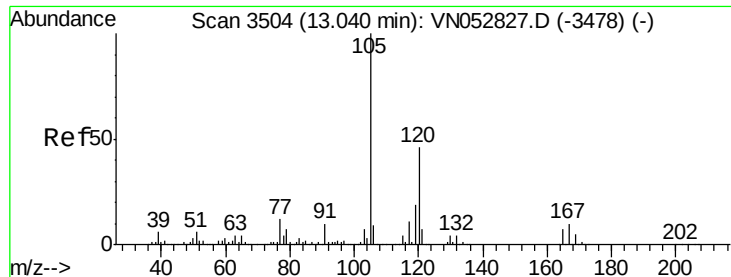
Ion Ratio Lower Upper

119 100

91 75.0 31.9 95.5

134 23.5 12.8 38.4

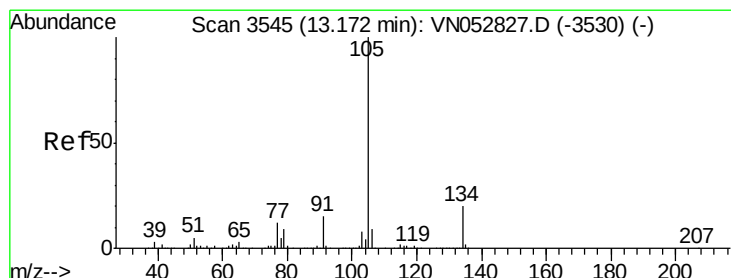
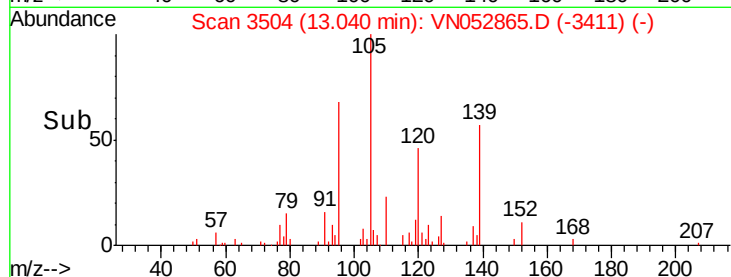
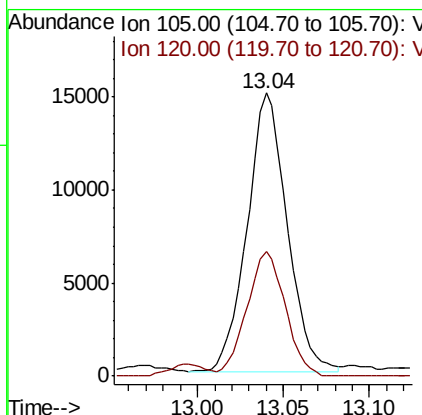
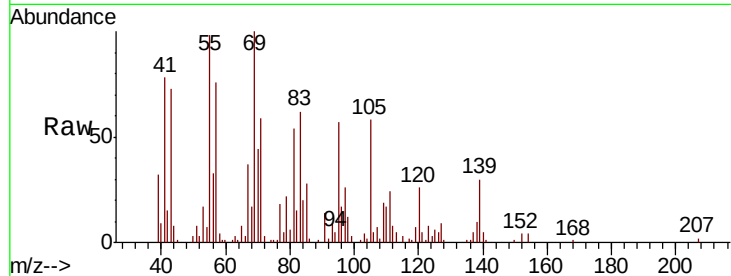




#84
1,2,4-Trimethylbenzene
Concen: 0.522 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052865.D
Acq: 13 Dec 2018 15:34

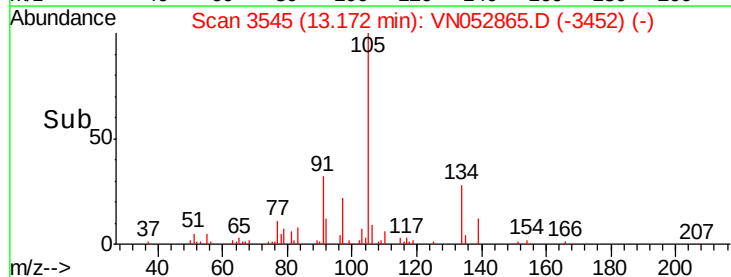
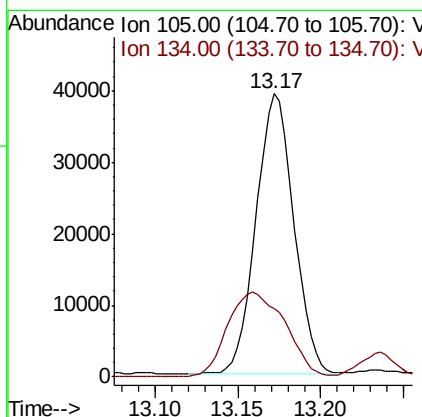
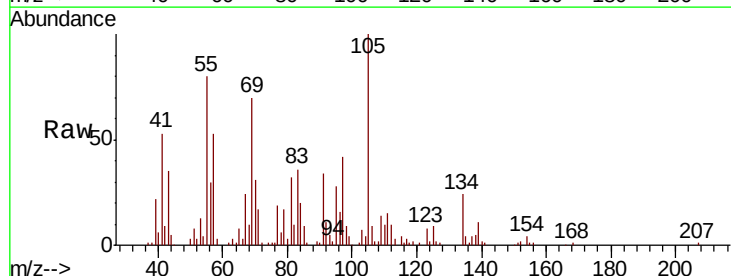
Instrument :
MSVOA_N
ClientSampleId :
057_BT-2-1

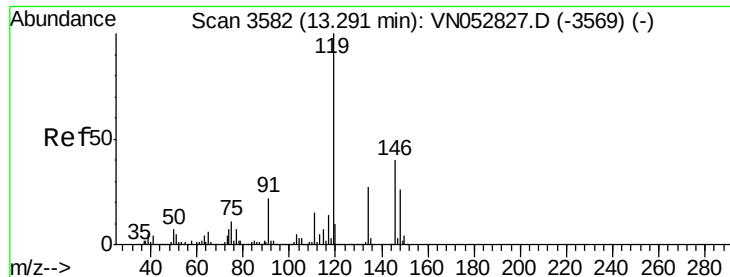
Tot Ion:105 Resp: 24016
Ion Ratio Lower Upper
105 100
120 43.1 22.9 68.8



#85
sec-Butylbenzene
Concen: 1.150 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. 0.00 min
Lab File: VN052865.D
Acq: 13 Dec 2018 15:34

Tgt Ion:105 Resp: 62401
Ion Ratio Lower Upper
105 100
134 45.9 10.1 30.3#





#86

p-Isopropyltoluene

Concen: 0.276 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

Instrument :

MSVOA_N

ClientSampleId :

057_BT-2-1

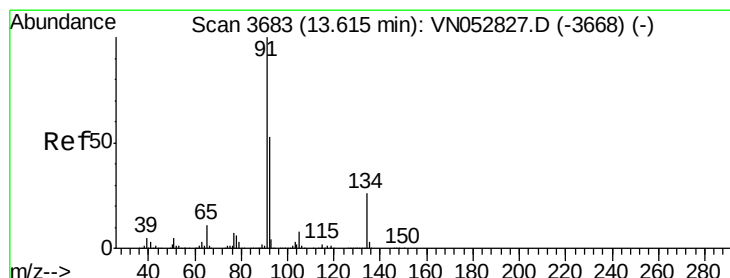
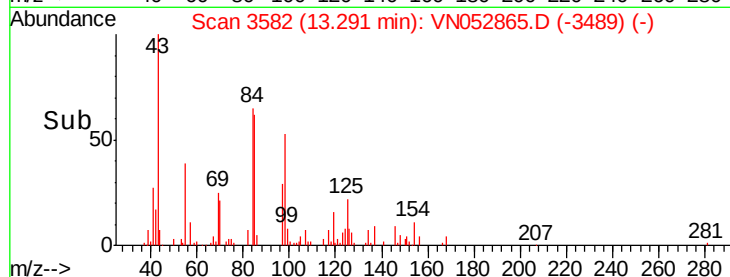
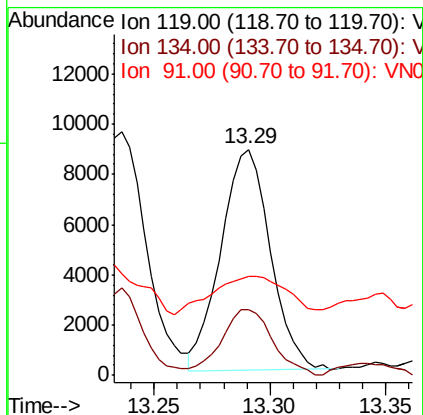
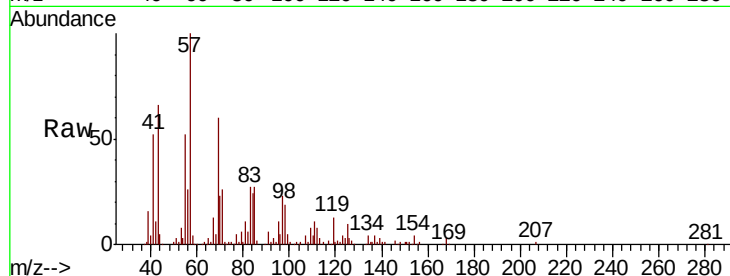
Tot Ion:119 Resp: 12988

Ion Ratio Lower Upper

119 100

134 31.0 13.4 40.2

91 26.5 11.1 33.3



#89

n-Butylbenzene

Concen: 2.338 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

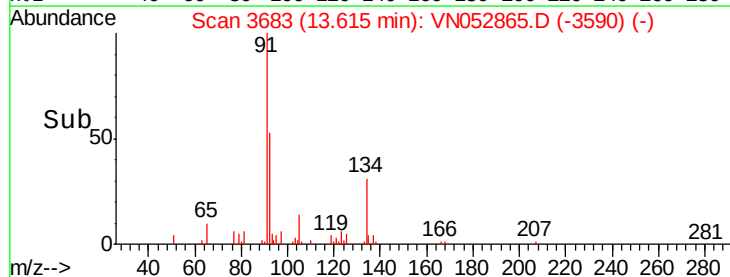
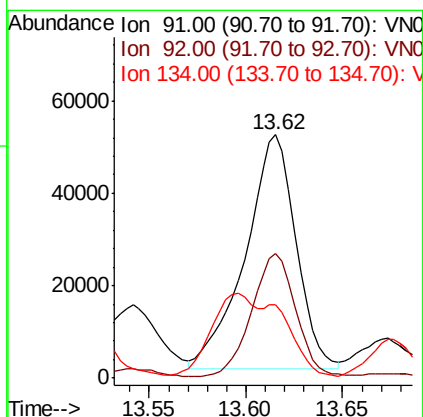
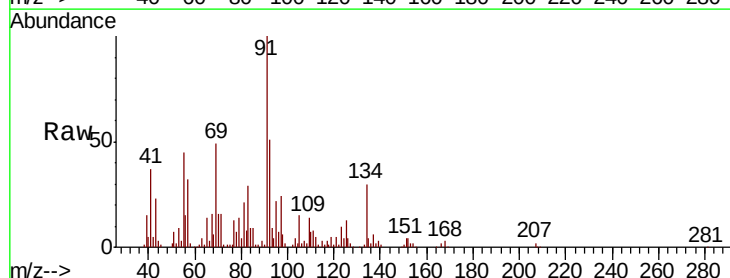
Tgt Ion: 91 Resp: 92543

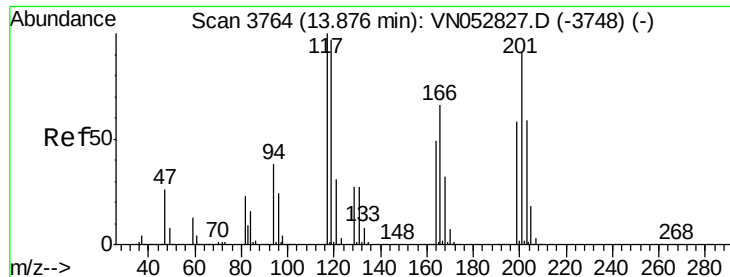
Ion Ratio Lower Upper

91 100

92 45.0 26.3 78.9

134 29.5 13.3 39.8





#90

Hexachloroethane

Concen: 4.717 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

Instrument :

MSVOA_N

ClientSampleId :

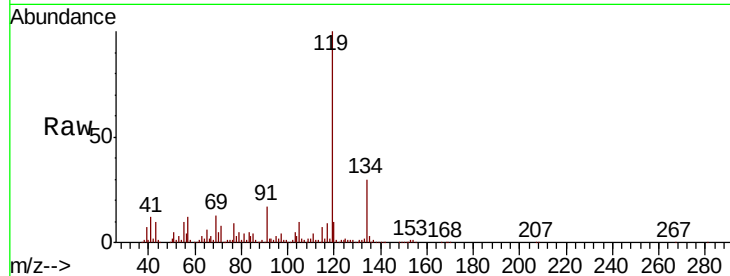
057_BT-2-1

Tot Ion:117 Resp: 37142

Ion Ratio Lower Upper

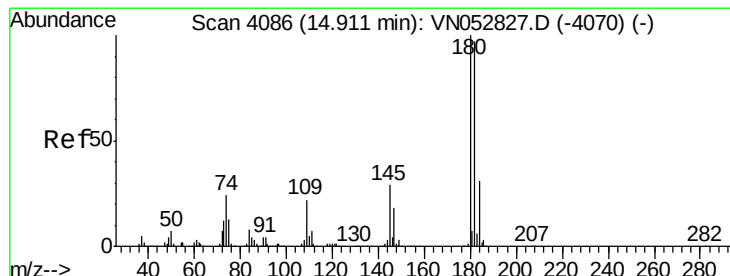
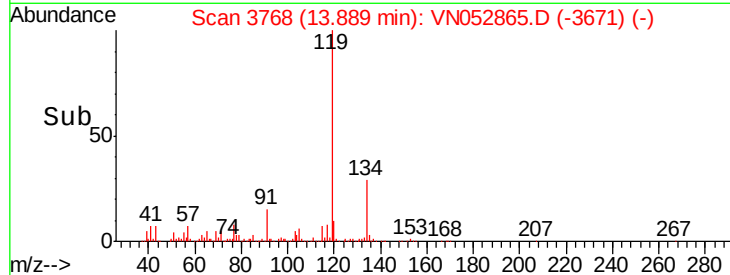
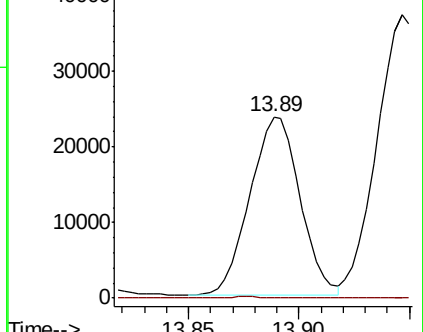
117 100

201 0.4 45.7 137.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2,4-Trichlorobenzene

Concen: 0.451 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

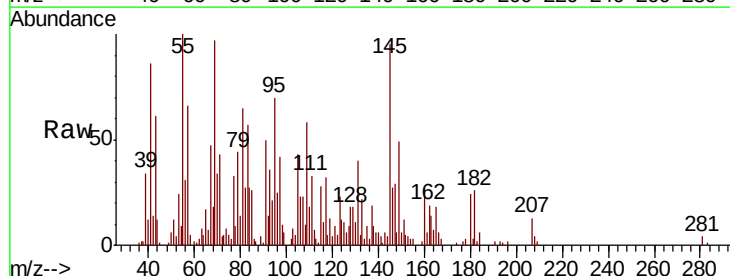
Tgt Ion:180 Resp: 6002

Ion Ratio Lower Upper

180 100

182 120.6 47.8 143.3

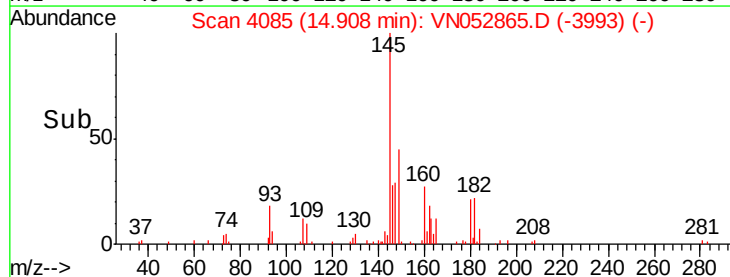
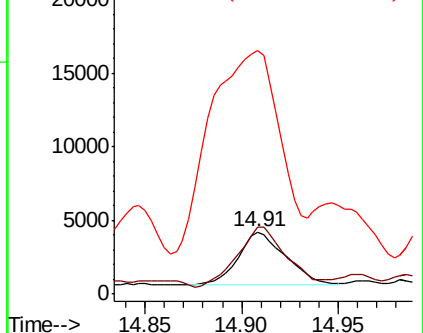
145 579.9 14.2 42.6#

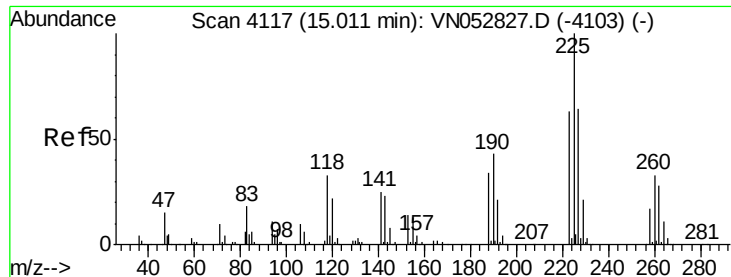


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.240 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

Instrument :

MSVOA_N

ClientSampled :

057_BT-2-1

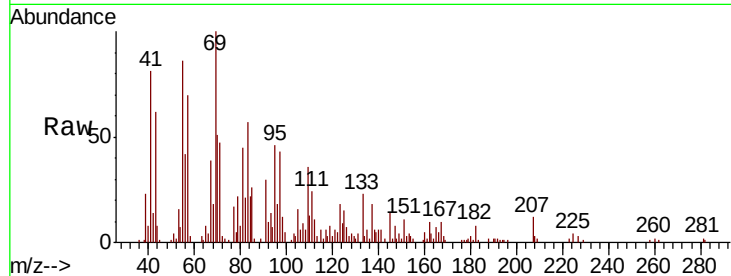
Tot Ion:225 Resp: 1850

Ion Ratio Lower Upper

225 100

223 58.4 31.5 94.5

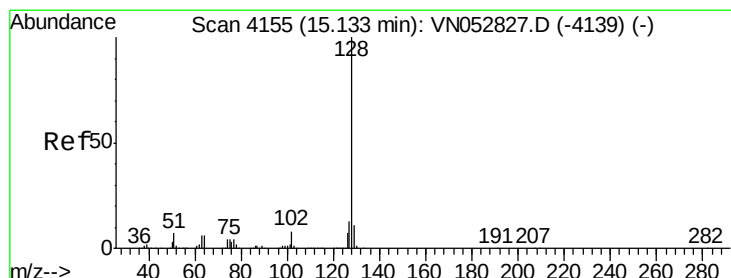
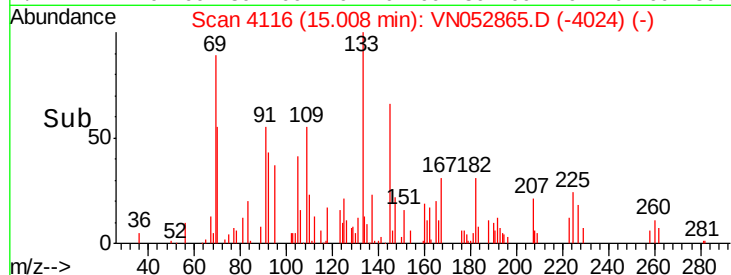
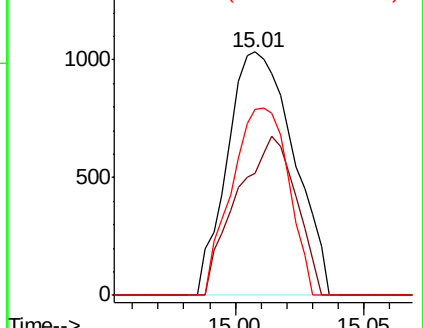
227 65.8 31.9 95.7



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: 1.044 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052865.D

Acq: 13 Dec 2018 15:34

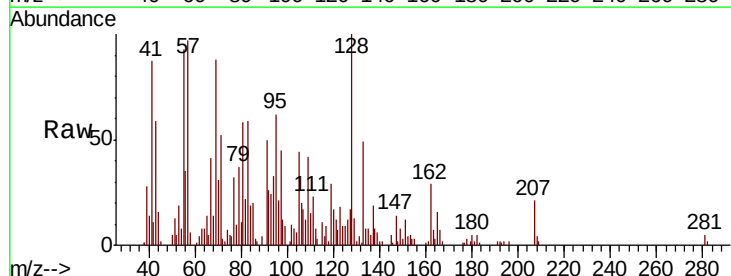
Tgt Ion:128 Resp: 28759

Ion Ratio Lower Upper

128 100

127 19.6 10.2 15.4#

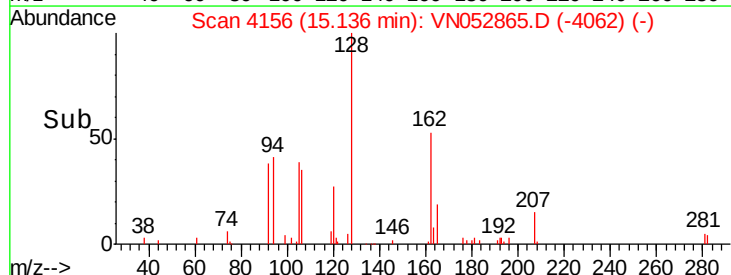
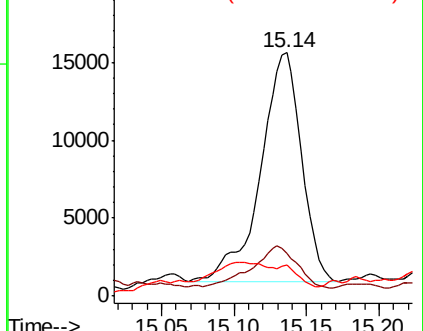
129 0.0 8.6 13.0#

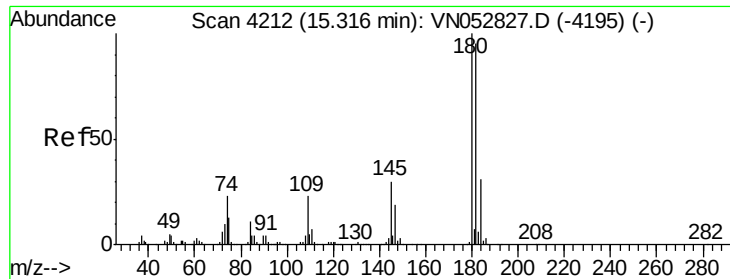


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

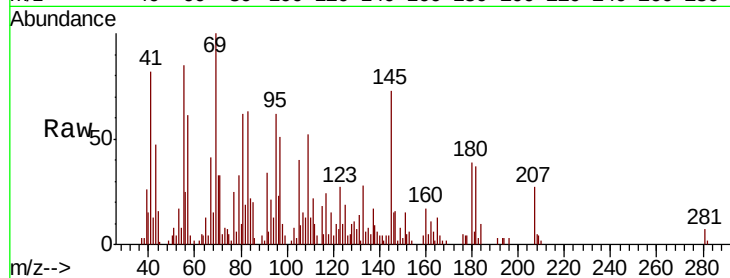




#96
 1,2,3-Trichlorobenzene
 Concen: 0.612 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN052865.D
 Acq: 13 Dec 2018 15:34

Instrument :
 MSVOA_N
 ClientSampleId :
 057_BT-2-1

Tot Ion	Ratio	Lower	Upper
180	100		
182	85.3	47.9	143.7
145	0.0	15.0	45.0



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

