

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\
 Data File : VN050492.D
 Acq On : 9 Aug 2018 17:55
 Operator : MD\SY
 Sample : J4275-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 04:05:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	715051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1164873	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1010624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	427170	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	480514	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
35) Dibromofluoromethane	7.59	113	436461	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	
50) Toluene-d8	10.09	98	1570007	44.67	ug/l	0.00
Spiked Amount			Recovery	=	89.34%	
62) 4-Bromofluorobenzene	12.40	95	468295	39.10	ug/l	0.00
Spiked Amount			Recovery	=	78.20%	

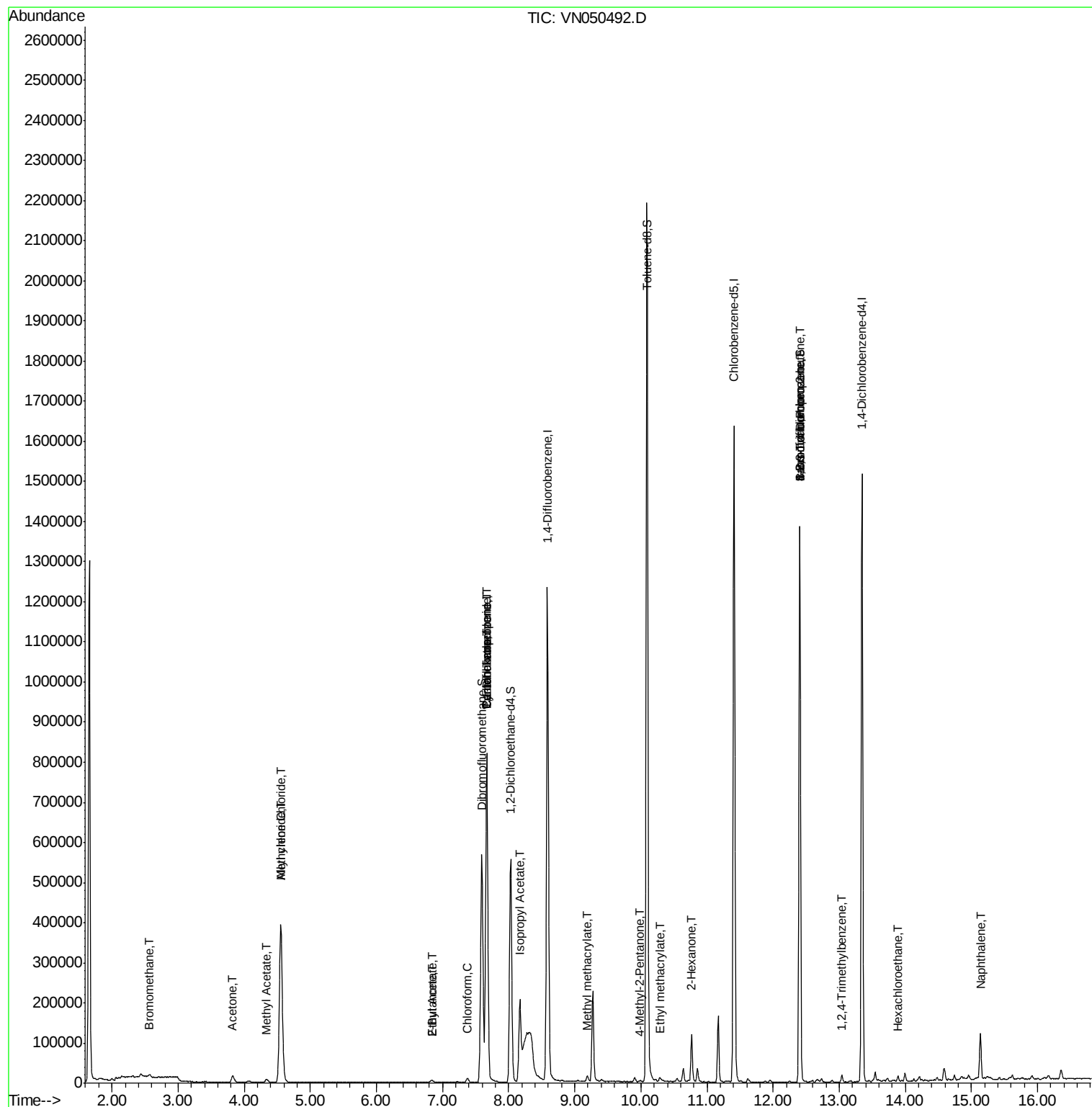
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3250	Below Cal		89
5) Bromomethane	2.57	94	4335	1.04	ug/l	96
14) Allyl chloride	4.55	41	11396	0.92	ug/l #	24
16) Acetone	3.82	43	30651	10.41	ug/l	98
18) Methyl Acetate	4.34	43	14509	1.77	ug/l	99
20) Methylene Chloride	4.55	84	316985	35.94	ug/l	98
25) 2-Butanone	6.85	43	4737	1.00	ug/l	96
30) Chloroform	7.37	83	11709	0.75	ug/l	94
31) Cyclohexane	7.67	56	12689	0.30	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	48361	3.78	ug/l #	49
37) Ethyl Acetate	6.85	43	4737	0.51	ug/l #	68
38) Carbon Tetrachloride	7.67	117	62908	4.71	ug/l #	16
43) Isopropyl Acetate	8.17	43	254296	15.98	ug/l	98
48) Methyl methacrylate	9.18	41	8327	1.04	ug/l #	22
51) 4-Methyl-2-Pentanone	9.99	43	2922	0.25	ug/l	95
56) Ethyl methacrylate	10.27	69	133	1.72	ug/l #	1
59) 2-Hexanone	10.77	43	16622	2.08	ug/l #	59
71) Bromoform	12.40	173	2377	0.35	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	223666	28.93	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	223666	101.63	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.04	105	10214	0.39	ug/l	89
90) Hexachloroethane	13.89	117	1003	0.22	ug/l #	4
95) Naphthalene	15.14	128	100519	8.13	ug/l	99

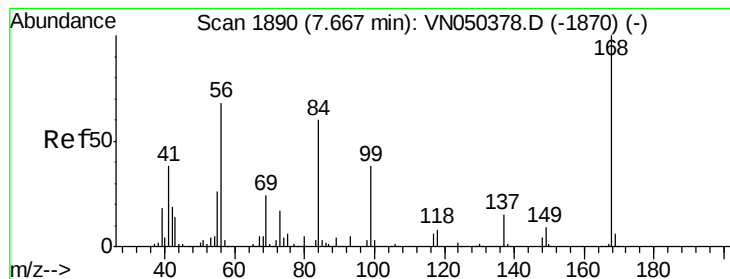
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN080918\
Data File : VN050492.D
Acq On : 9 Aug 2018 17:55
Operator : MD\SY
Sample : J4275-06
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Aug 10 04:05:38 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050492.D

Acq: 9 Aug 2018 17:55

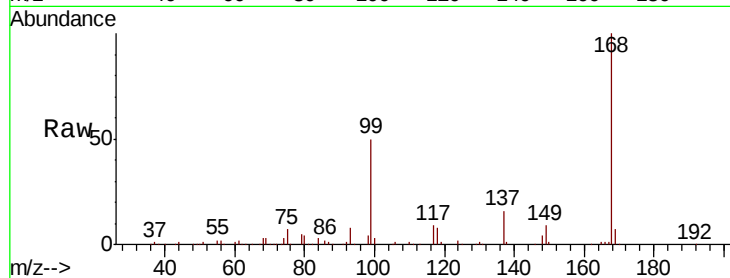
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 715051

Ion Ratio Lower Upper

168 100

99 50.1 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

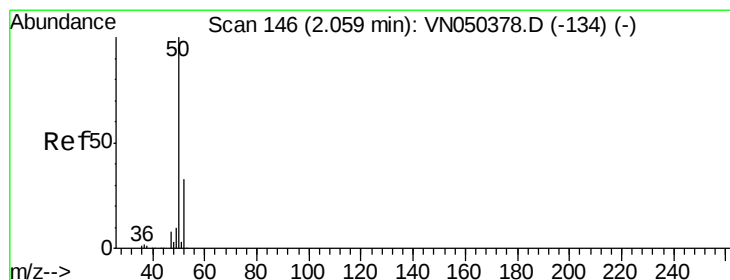
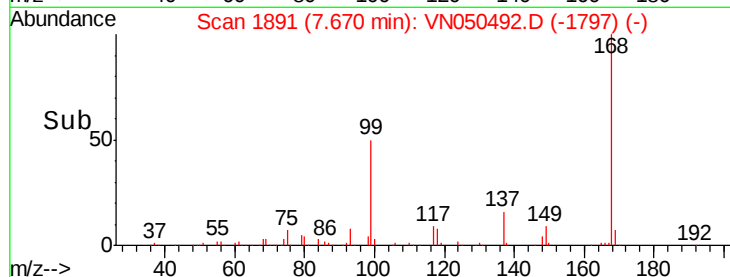
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050492.D

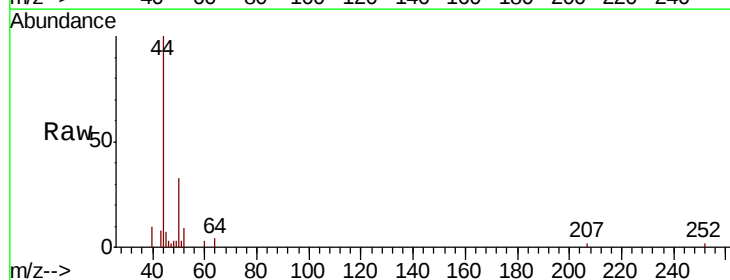
Acq: 9 Aug 2018 17:55

Tgt Ion: 50 Resp: 3250

Ion Ratio Lower Upper

50 100

52 26.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

3000

2500

2000

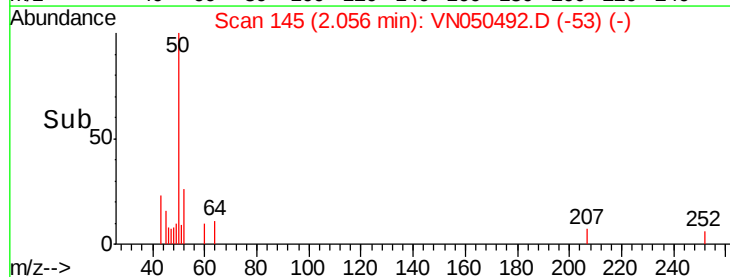
1500

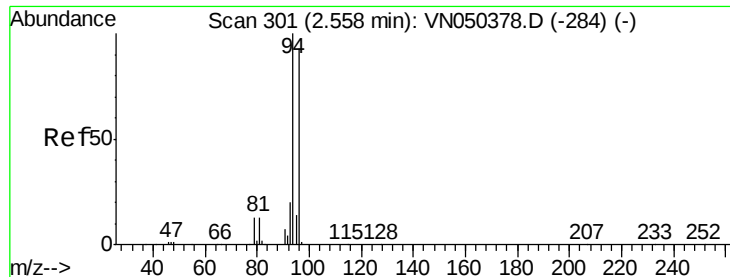
1000

500

0

Time-->





#5

Bromomethane

Concen: 1.04 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050492.D

Acq: 9 Aug 2018 17:55

Instrument :

MSVOA_N

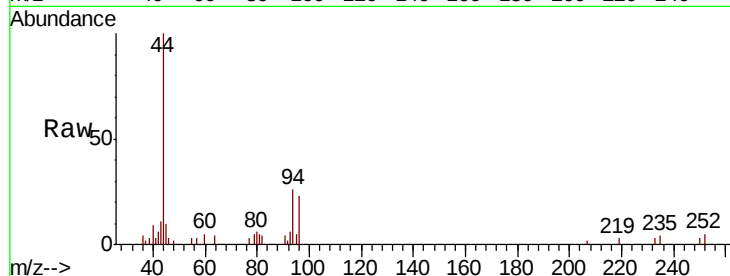
ClientSampleId :

Tot Ion: 94 Resp: 4335

Ion Ratio Lower Upper

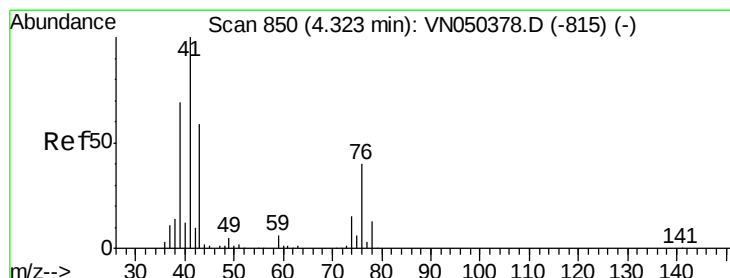
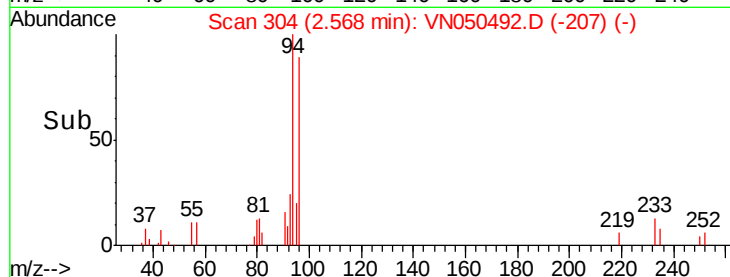
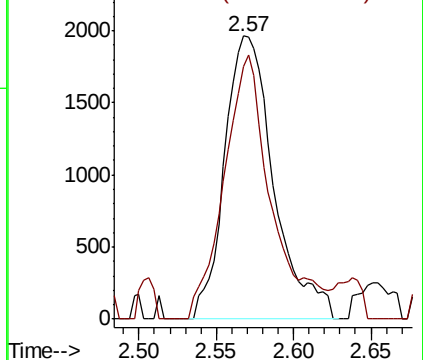
94 100

96 89.3 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#14

Allyl chloride

Concen: 0.92 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.23 min

Lab File: VN050492.D

Acq: 9 Aug 2018 17:55

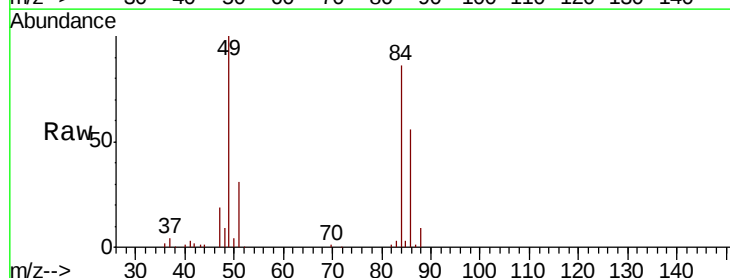
Tgt Ion: 41 Resp: 11396

Ion Ratio Lower Upper

41 100

39 0.0 54.2 81.4#

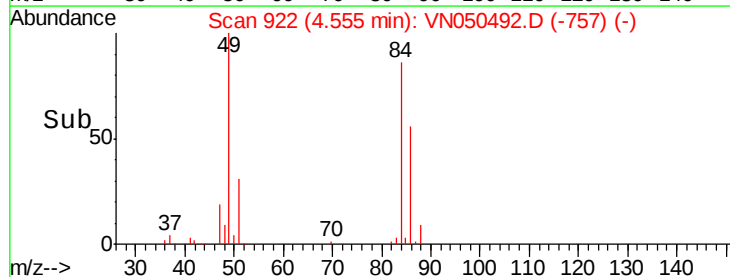
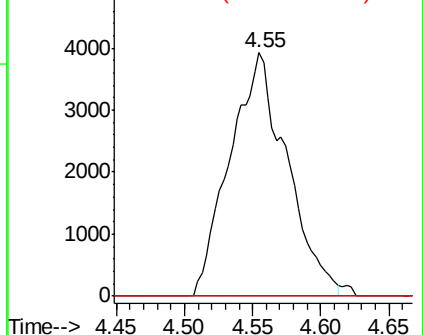
76 0.0 29.0 43.6#

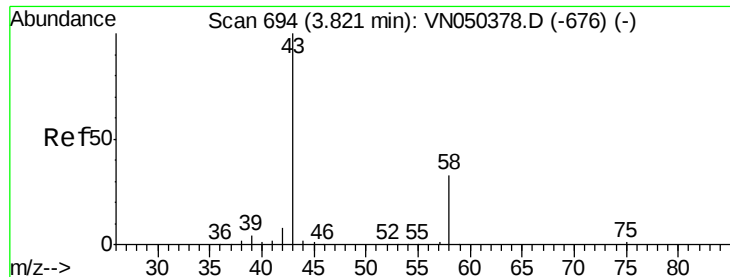


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#16

Acetone

Concen: 10.41 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050492.D

Acq: 9 Aug 2018 17:55

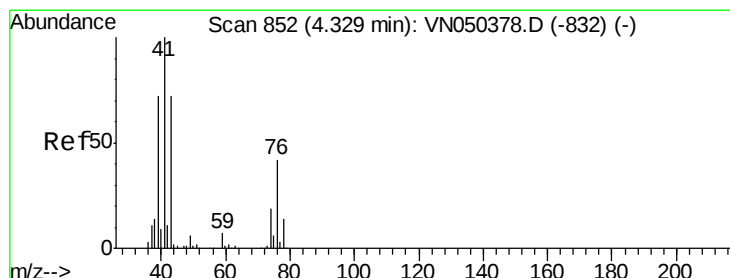
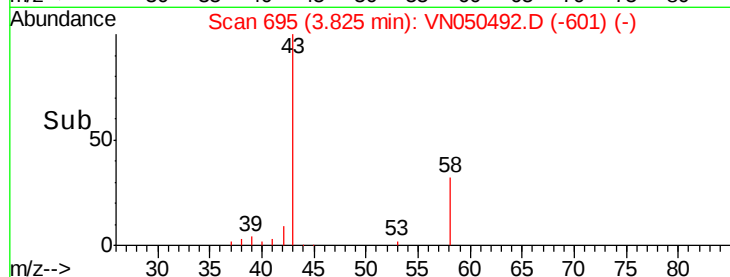
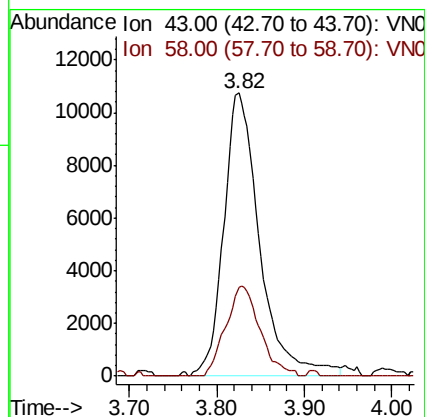
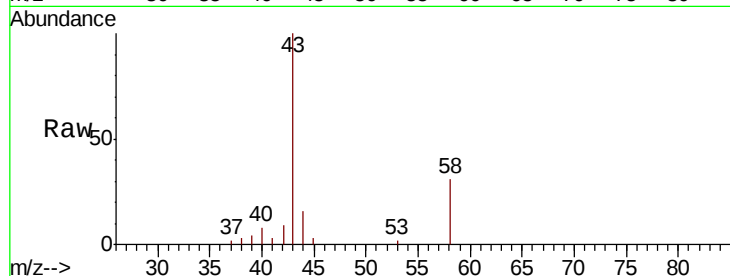
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 30651

Ion Ratio Lower Upper

43 100

58 31.3 25.8 38.8



#18

Methyl Acetate

Concen: 1.77 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN050492.D

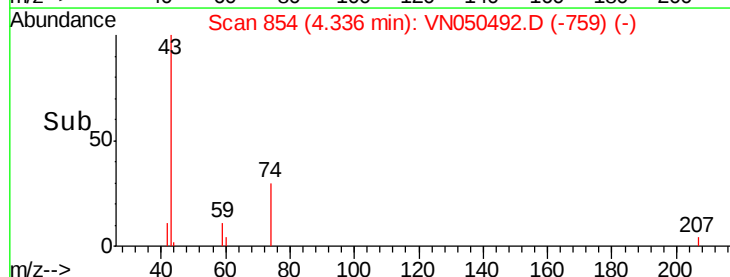
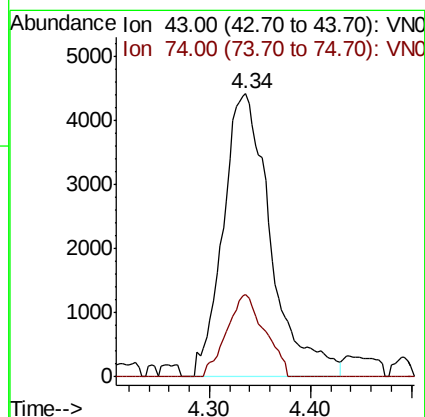
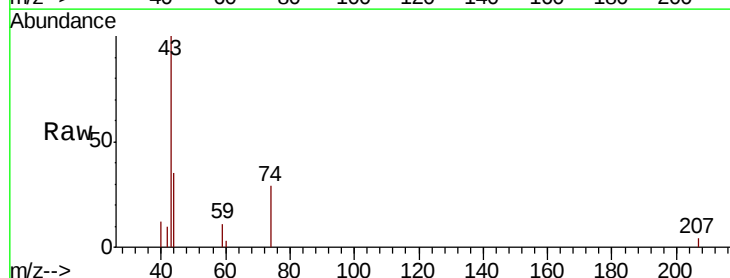
Acq: 9 Aug 2018 17:55

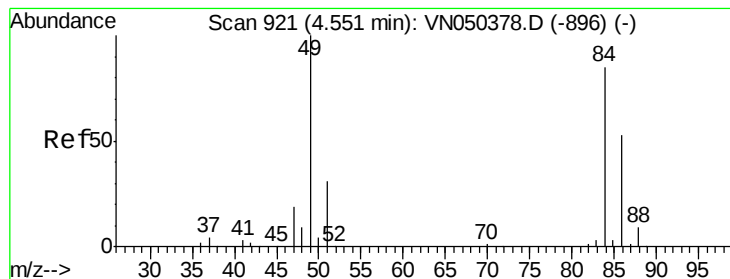
Tgt Ion: 43 Resp: 14509

Ion Ratio Lower Upper

43 100

74 23.3 19.2 28.8





#20

Methvlene Chloride

Concen: 35.94 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN050492.D

Acq: 9 Aug 2018 17:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 316985

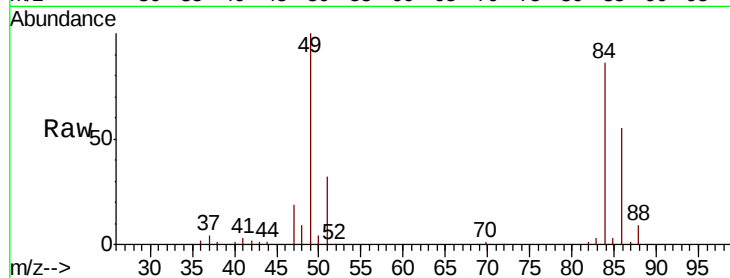
Ion Ratio Lower Upper

84 100

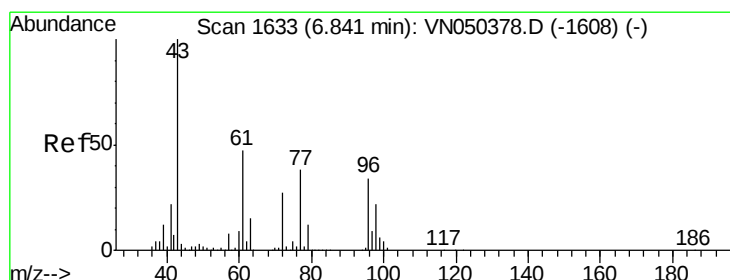
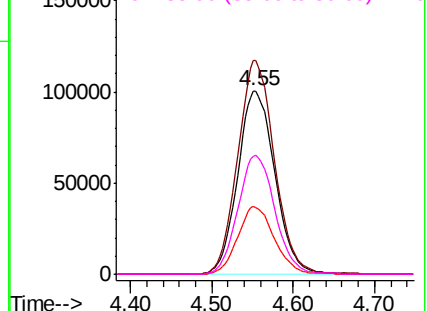
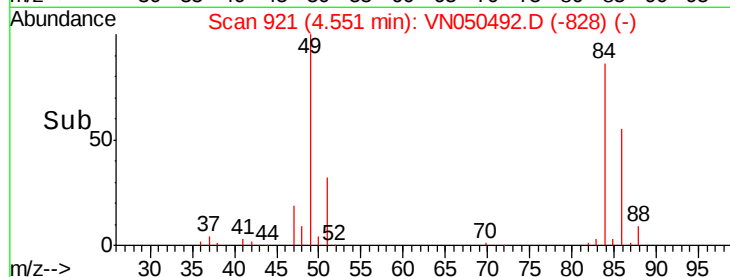
49 116.4 94.8 142.2

51 36.8 28.3 42.5

86 64.3 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO



#25

2-Butanone

Concen: 1.00 ug/l

RT: 6.85 min Scan# 1635

Delta R.T. 0.01 min

Lab File: VN050492.D

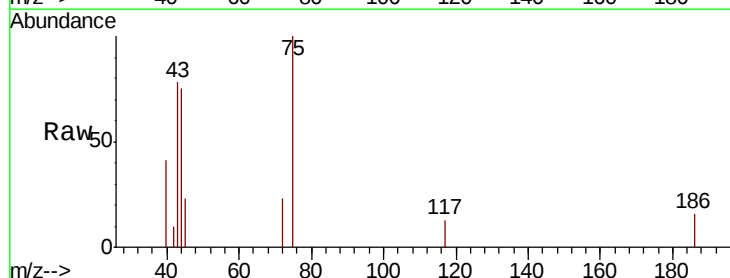
Acq: 9 Aug 2018 17:55

Tgt Ion: 43 Resp: 4737

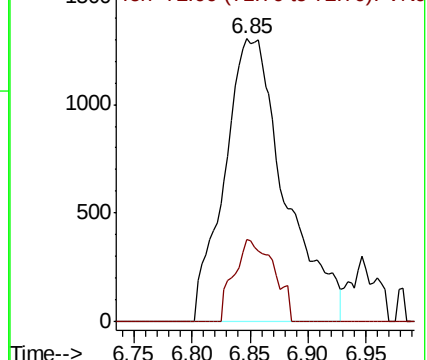
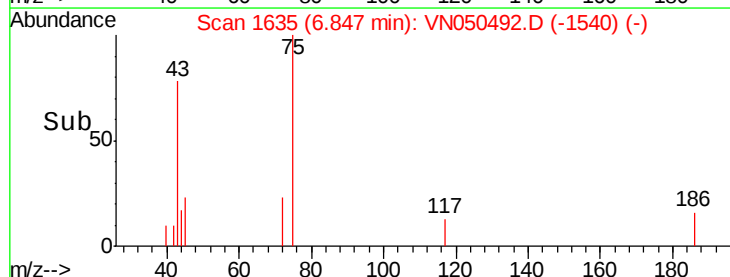
Ion Ratio Lower Upper

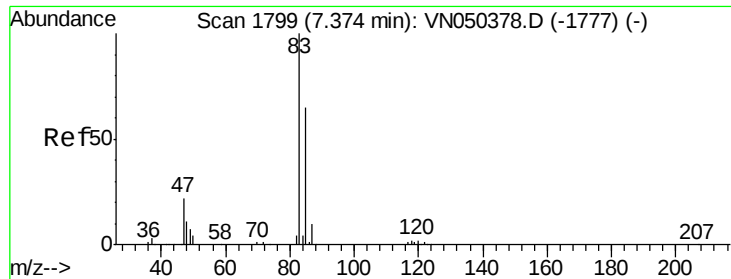
43 100

72 29.2 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 72.00 (71.70 to 72.70): VNO

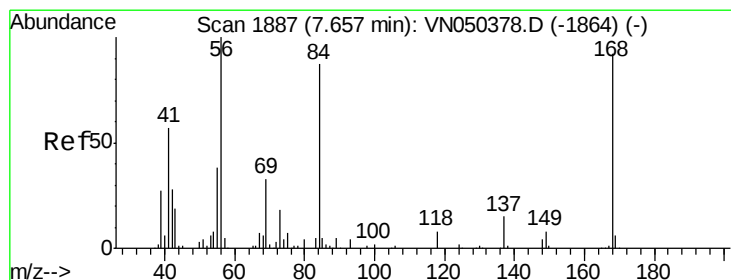
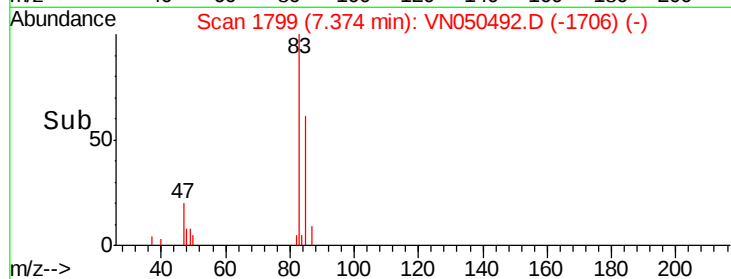
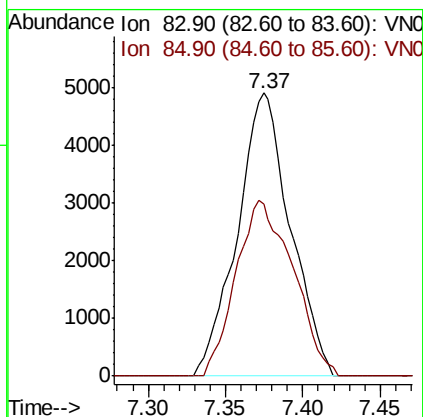
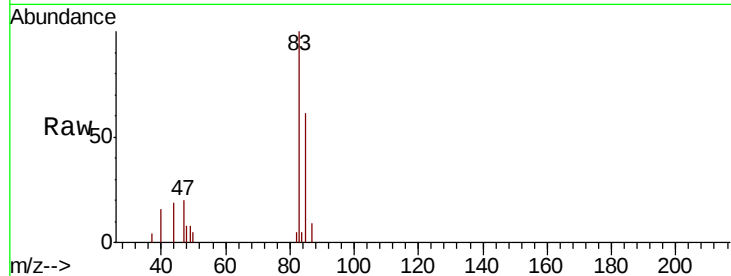




#30
Chloroform
Concen: 0.75 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050492.D
Acq: 9 Aug 2018 17:55

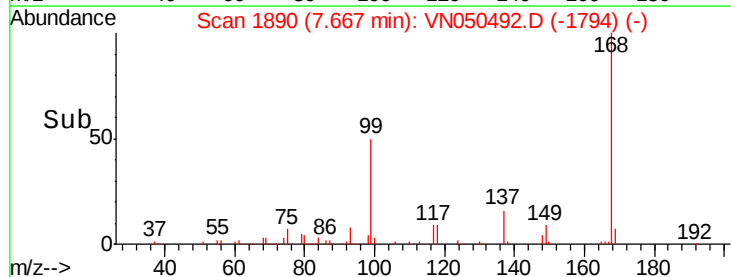
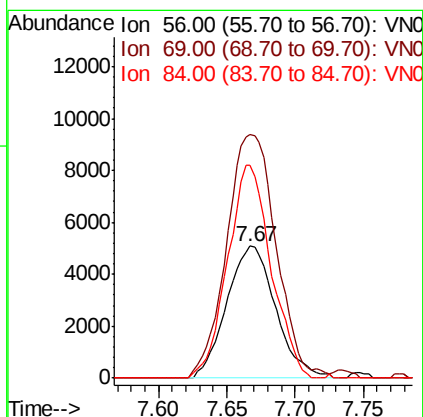
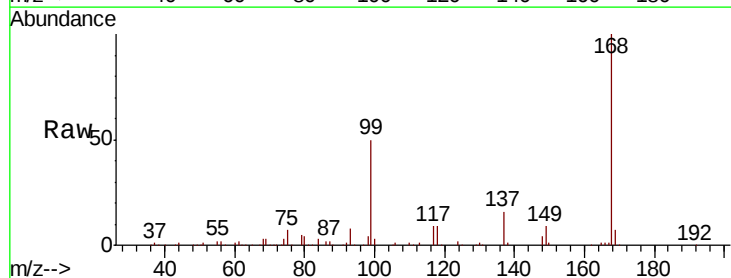
Instrument :
MSVOA_N
ClientSampled :

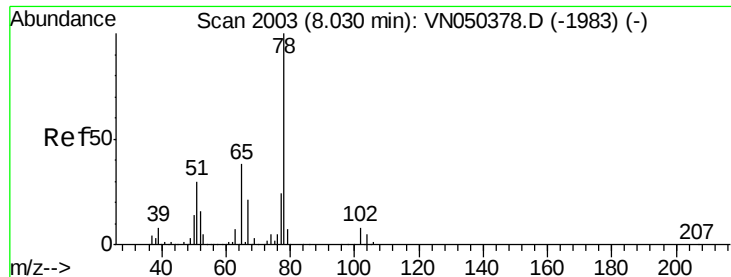
Tot Ion: 83 Resp: 11709
Ion Ratio Lower Upper
83 100
85 60.6 52.5 78.7



#31
Cyclohexane
Concen: 0.30 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050492.D
Acq: 9 Aug 2018 17:55

Tgt Ion: 56 Resp: 12689
Ion Ratio Lower Upper
56 100
69 184.2 26.2 39.4#
84 161.0 67.4 101.0#

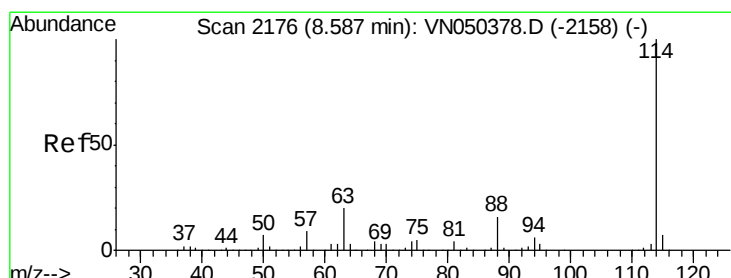
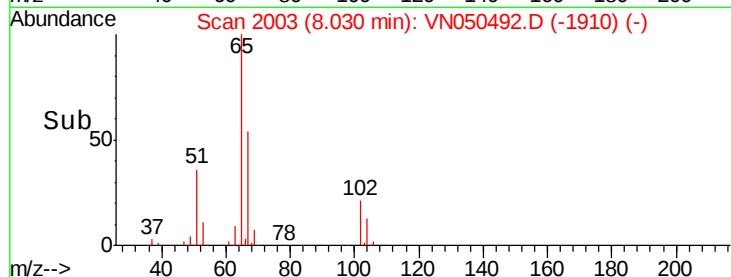
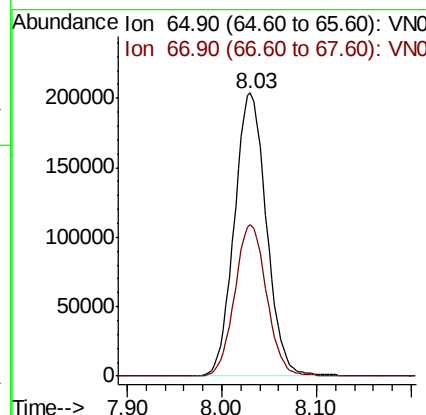
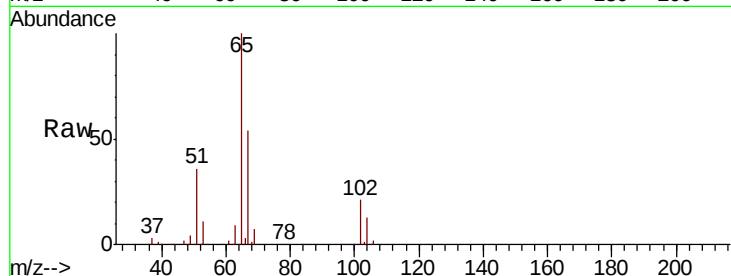




#33
 1,2-Dichloroethane-d4
 Concen: 50.30 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050492.D
 Acq: 9 Aug 2018 17:55

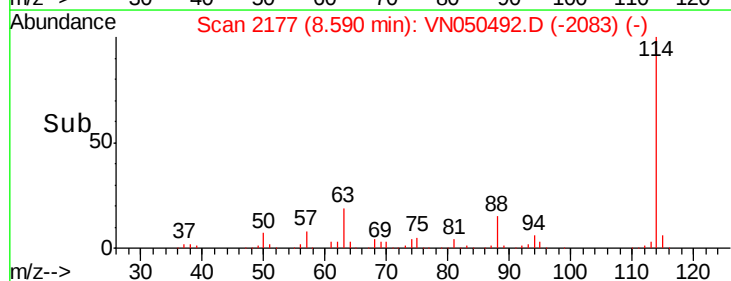
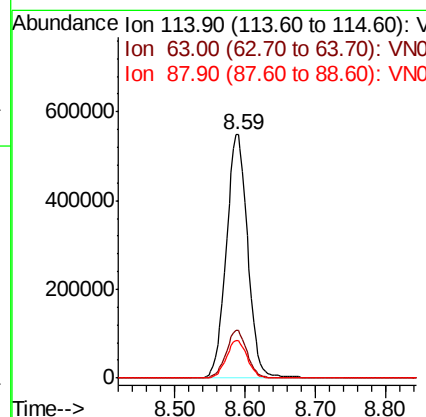
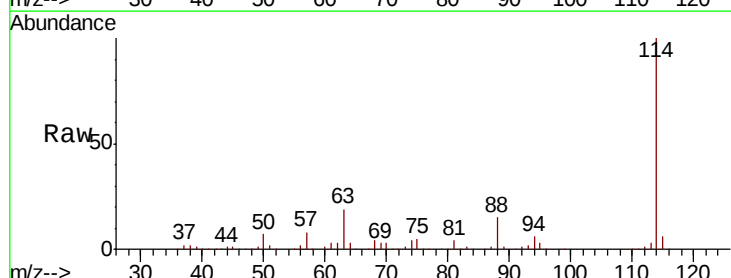
Instrument :
 MSVOA_N
 ClientSampled :

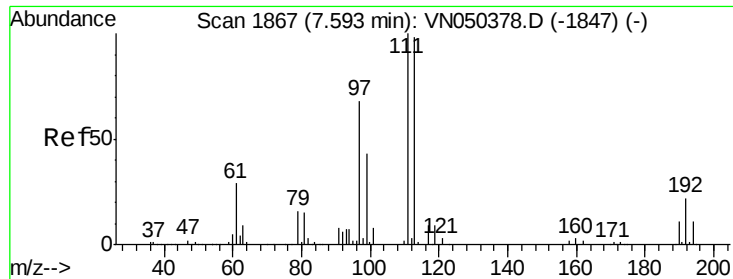
Tot Ion: 65 Resp: 480514
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050492.D
 Acq: 9 Aug 2018 17:55

Tgt Ion: 114 Resp: 1164873
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.0
 88 15.4 0.0 31.2

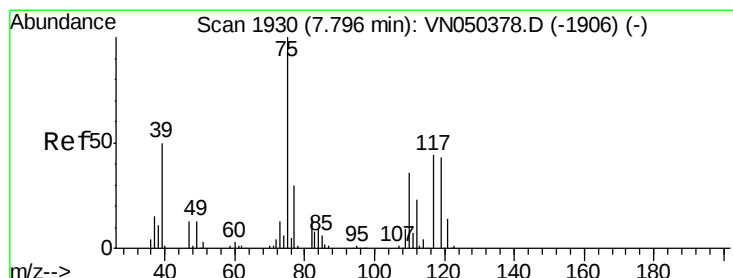
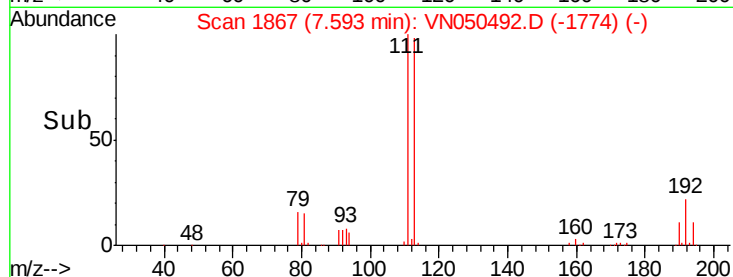
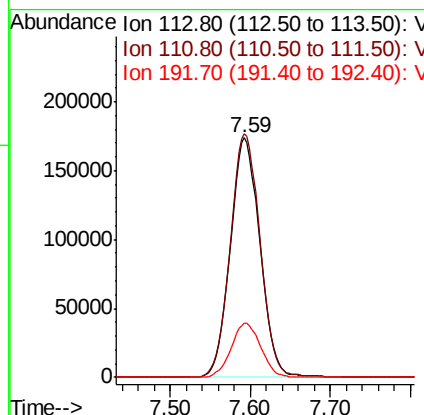
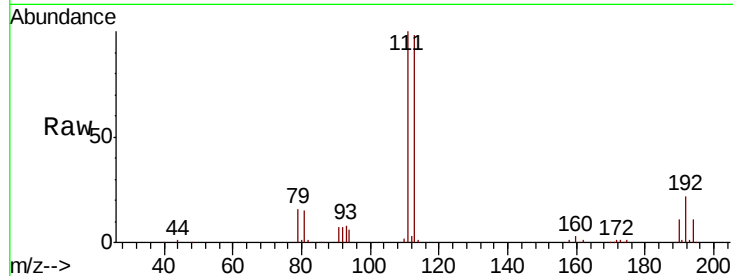




#35
 Dibromofluoromethane
 Concen: 46.70 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050492.D
 Acq: 9 Aug 2018 17:55

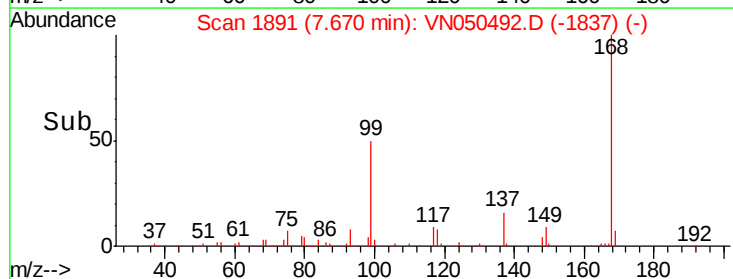
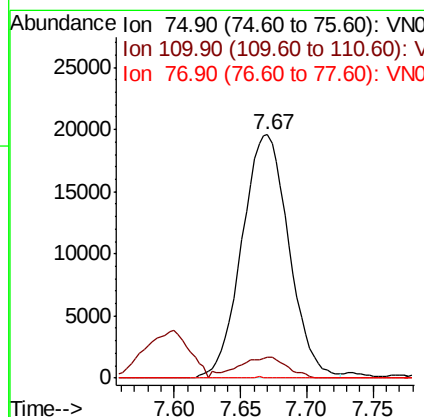
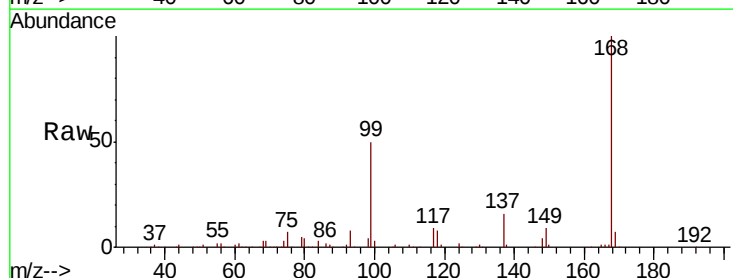
Instrument :
 MSVOA_N
 ClientSampleId :

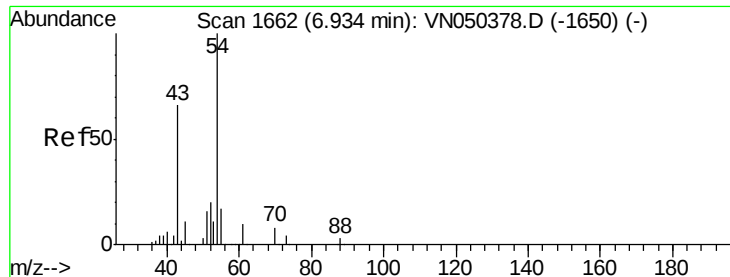
Tot Ion:113 Resp: 436461
 Ion Ratio Lower Upper
 113 100
 111 102.4 80.7 121.1
 192 22.6 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.78 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050492.D
 Acq: 9 Aug 2018 17:55

Tgt Ion: 75 Resp: 48361
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.4 55.2#
 77 0.1 25.3 37.9#

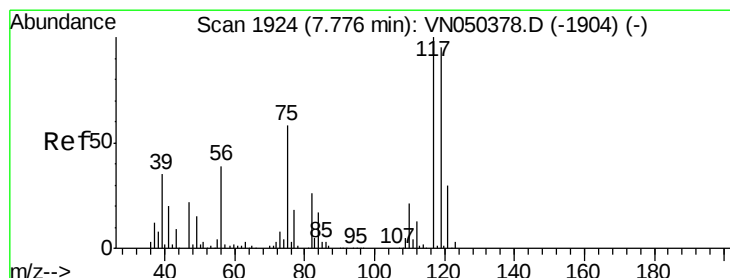
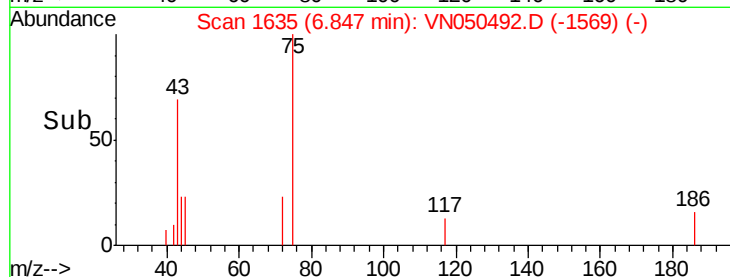
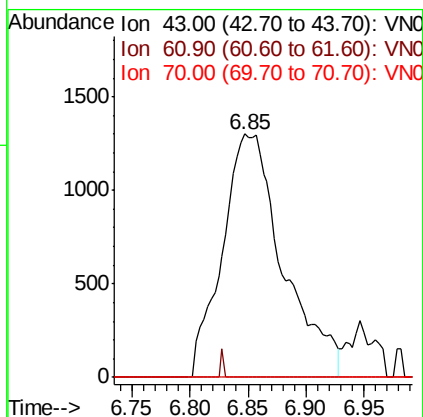
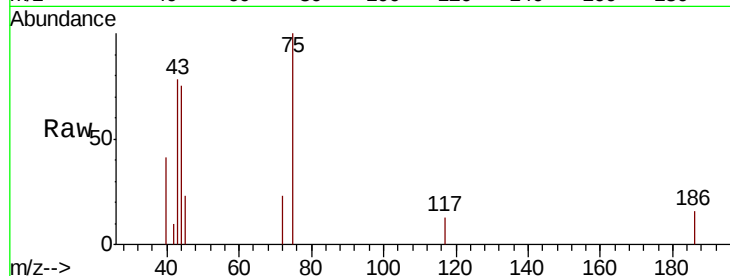




#37
Ethyl Acetate
Concen: 0.51 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. -0.09 min
Lab File: VN050492.D
Acq: 9 Aug 2018 17:55

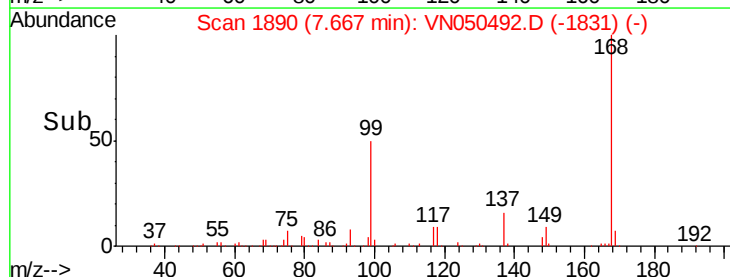
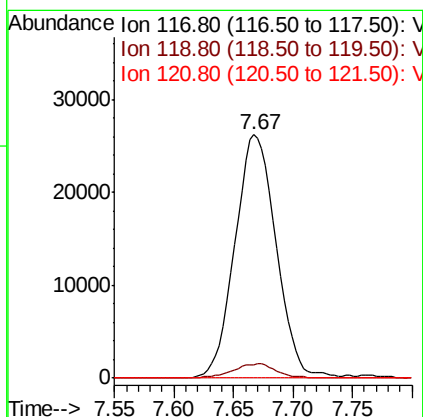
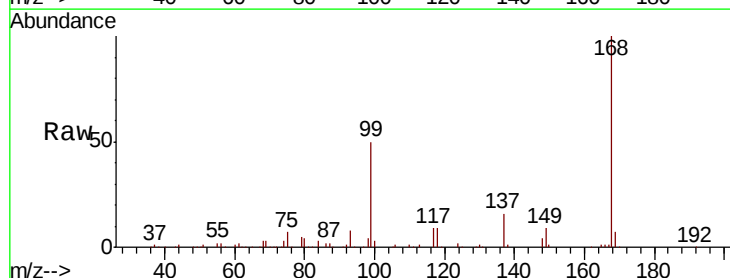
Instrument :
MSVOA_N
ClientSampleId :

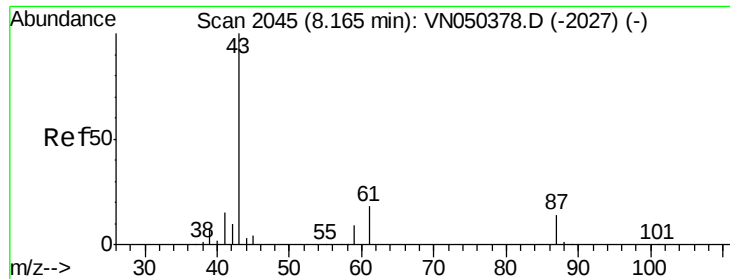
Tot Ion: 43 Resp: 4737
Ion Ratio Lower Upper
43 100
61 0.6 11.8 17.8#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 4.71 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050492.D
Acq: 9 Aug 2018 17:55

Tgt Ion: 117 Resp: 62908
Ion Ratio Lower Upper
117 100
119 5.6 77.4 116.0#
121 0.0 23.9 35.9#





#43

Isopropyl Acetate

Concen: 15.98 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050492.D

Acq: 9 Aug 2018 17:55

Instrument :
MSVOA_N
ClientSampled :

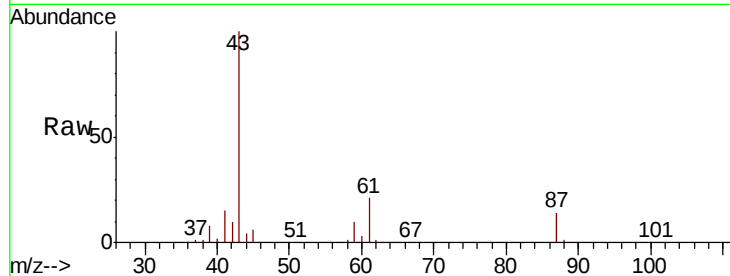
Tot Ion: 43 Resp: 254296

Ion Ratio Lower Upper

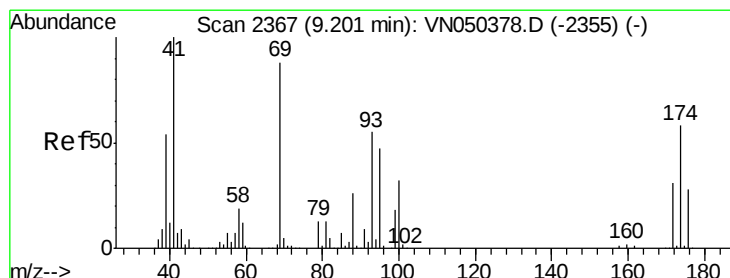
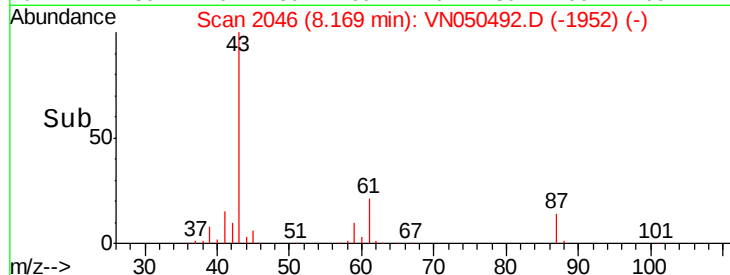
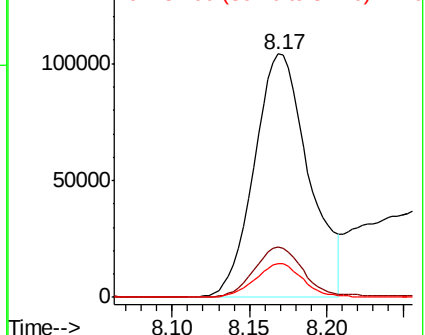
43 100

61 18.9 15.8 23.6

87 12.2 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 1.04 ug/l

RT: 9.18 min Scan# 2362

Delta R.T. -0.02 min

Lab File: VN050492.D

Acq: 9 Aug 2018 17:55

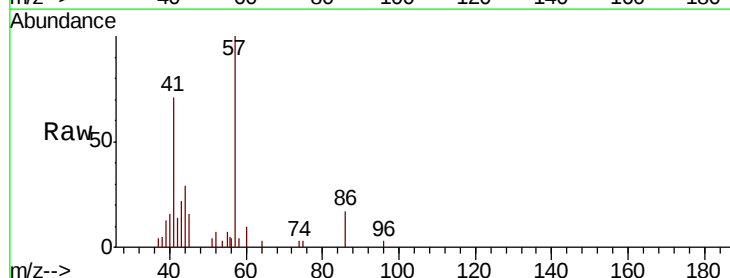
Tgt Ion: 41 Resp: 8327

Ion Ratio Lower Upper

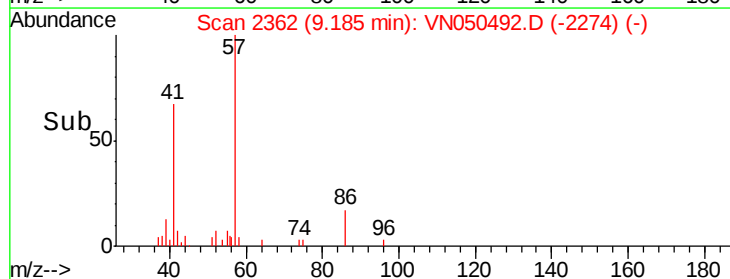
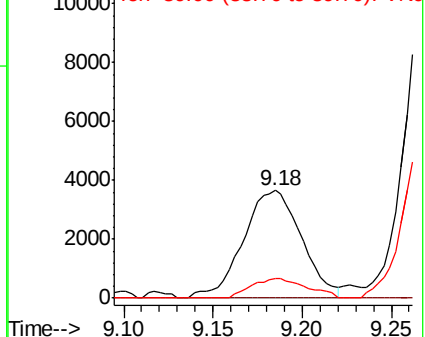
41 100

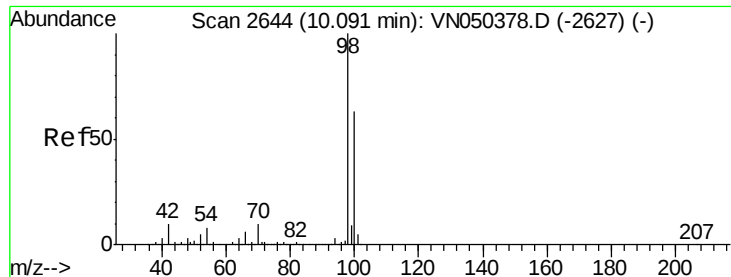
69 0.0 70.6 105.8#

39 17.1 43.9 65.9#



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 44.67 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050492.D

Acq: 9 Aug 2018 17:55

Instrument :

MSVOA_N

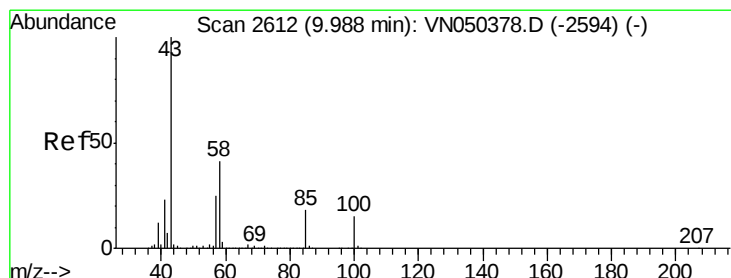
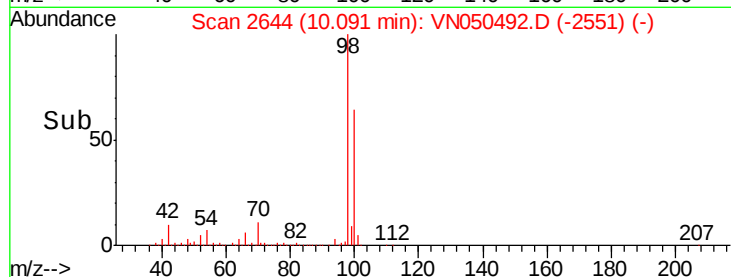
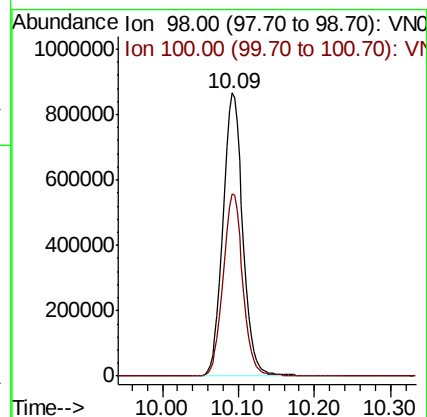
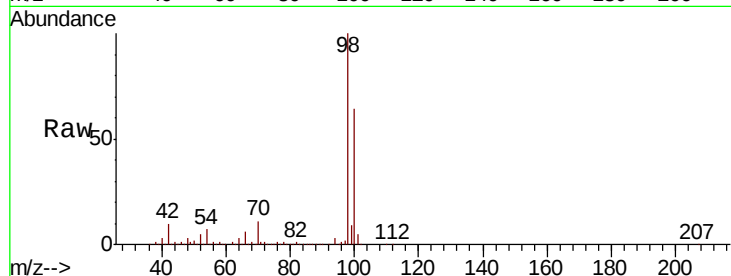
ClientSampleId :

Tot Ion: 98 Resp: 1570007

Ion Ratio Lower Upper

98 100

100 64.1 50.7 76.1



#51

4-Methyl-2-Pentanone

Concen: 0.25 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050492.D

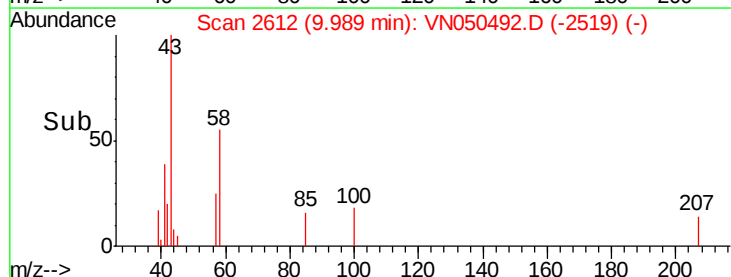
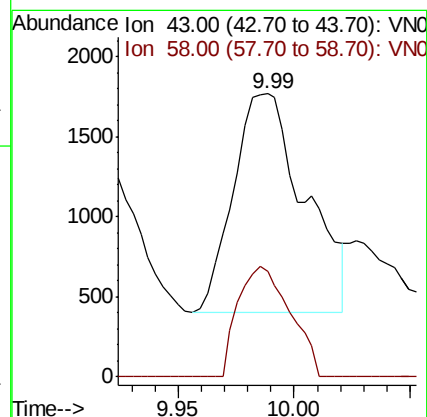
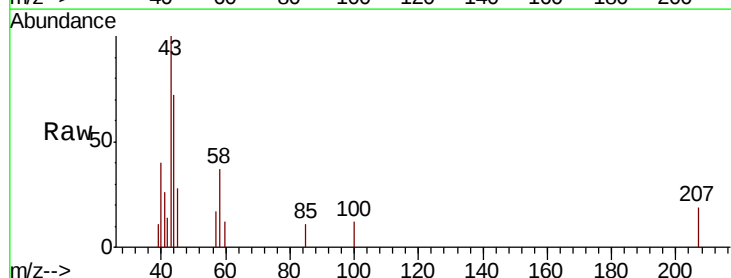
Acq: 9 Aug 2018 17:55

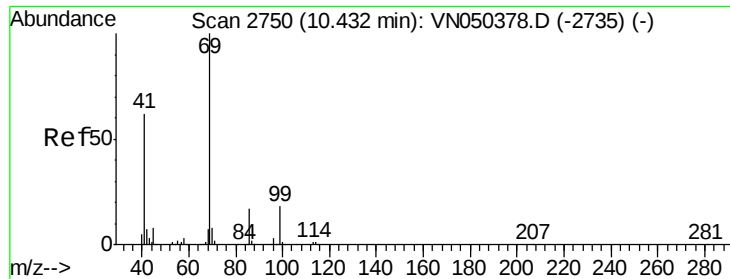
Tgt Ion: 43 Resp: 2922

Ion Ratio Lower Upper

43 100

58 37.1 31.9 47.9





#56

Ethyl methacrylate

Concen: 1.72 ug/l

RT: 10.27 min Scan# 2701

Delta R.T. -0.16 min

Lab File: VN050492.D

Acq: 9 Aug 2018 17:55

Instrument :

MSVOA_N

ClientSampleId :

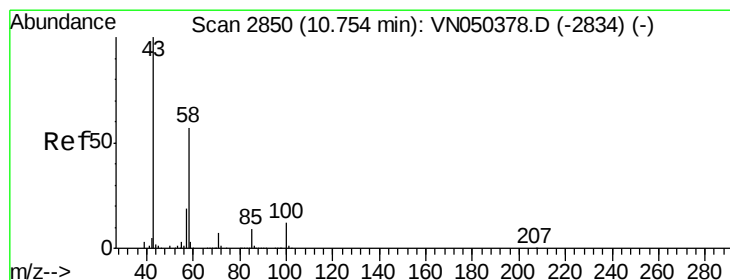
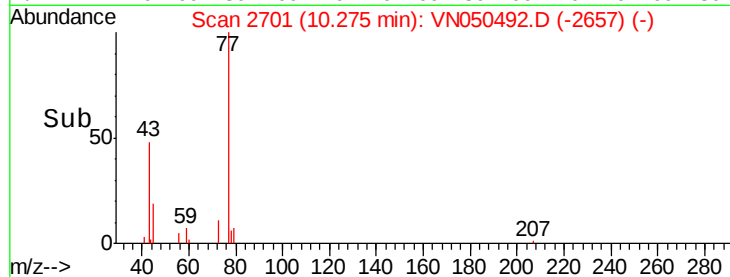
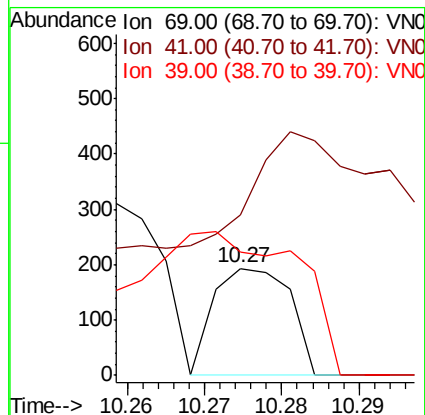
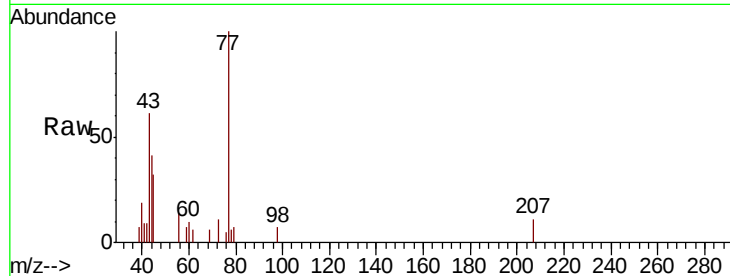
Tot Ion: 69 Resp: 133

Ion Ratio Lower Upper

69 100

41 247.4 51.0 76.4#

39 254.1 26.6 40.0#



#59

2-Hexanone

Concen: 2.08 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050492.D

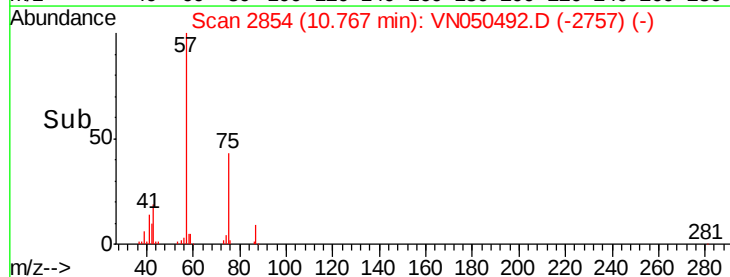
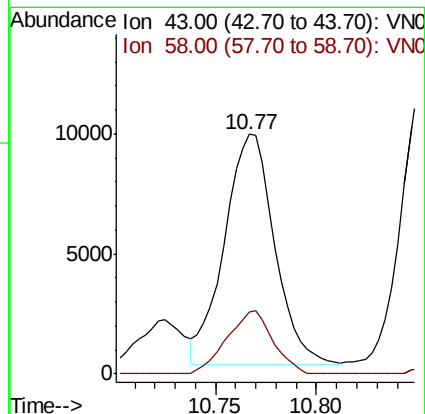
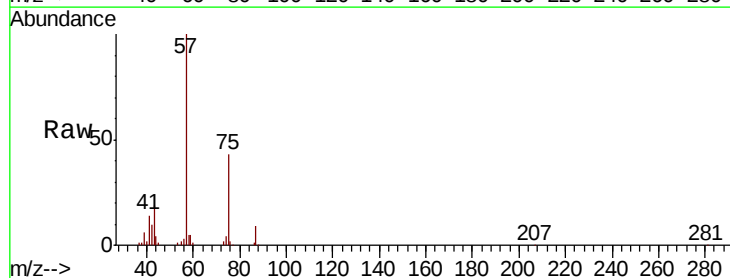
Acq: 9 Aug 2018 17:55

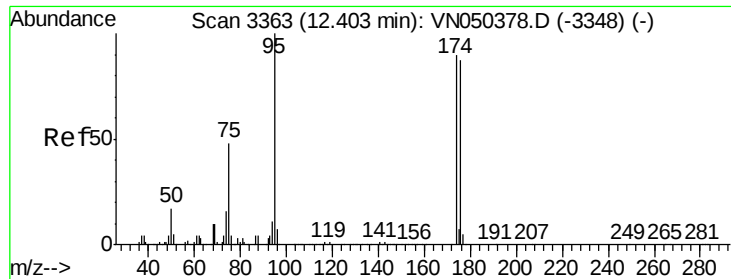
Tgt Ion: 43 Resp: 16622

Ion Ratio Lower Upper

43 100

58 25.2 27.6 82.7#

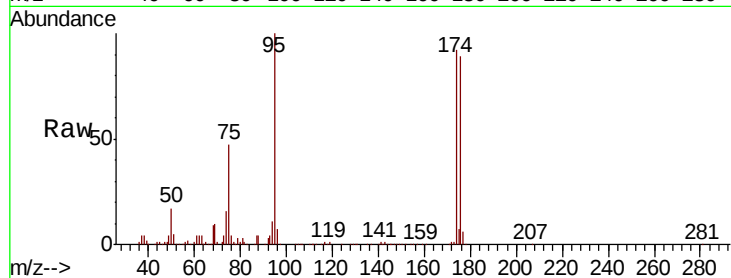




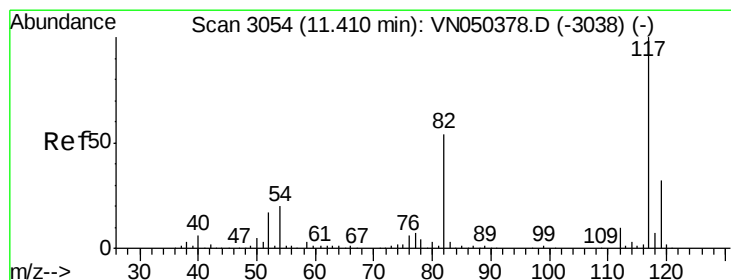
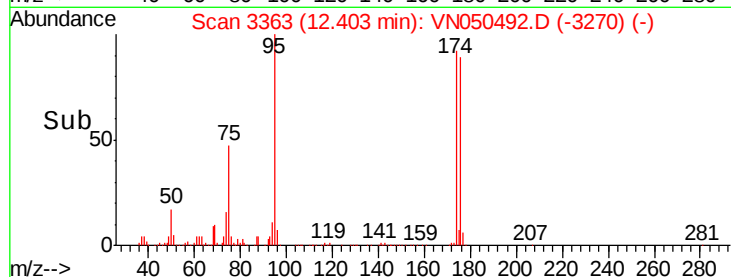
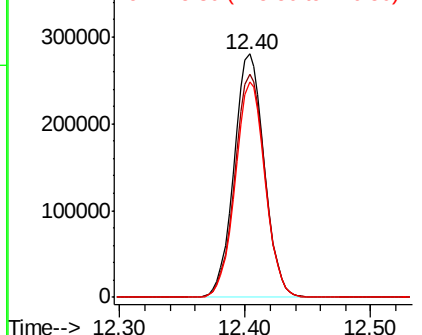
#62
4-Bromofluorobenzene
Concen: 39.10 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050492.D
Acq: 9 Aug 2018 17:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 95 Resp: 468295
Ion Ratio Lower Upper
95 100
174 92.1 0.0 178.2
176 87.8 0.0 173.4

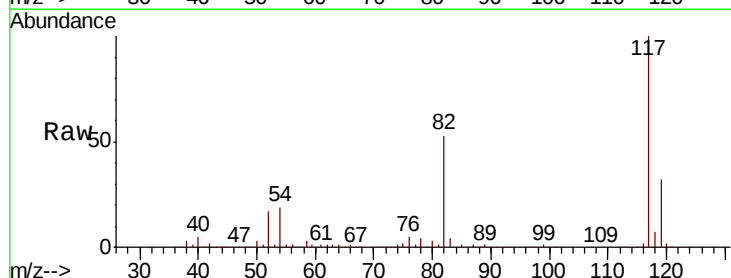


Abundance Ion 94.90 (94.60 to 95.60): VN050378.D (-3348) (-)
Ion 173.80 (173.50 to 174.50): VN050378.D (-3348) (-)
Ion 175.80 (175.50 to 176.50): VN050378.D (-3348) (-)

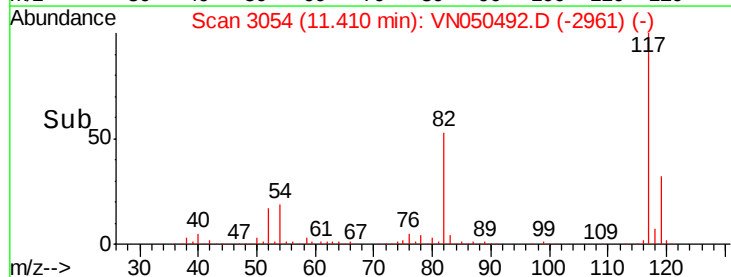
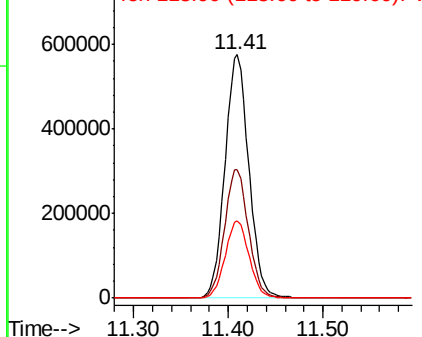


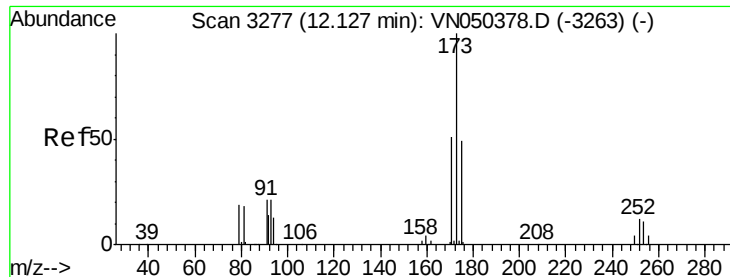
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050492.D
Acq: 9 Aug 2018 17:55

Tgt Ion: 117 Resp: 1010624
Ion Ratio Lower Upper
117 100
82 53.0 43.7 65.5
119 32.0 26.1 39.1



Abundance Ion 116.90 (116.60 to 117.60): VN050378.D (-3038) (-)
Ion 82.00 (81.70 to 82.70): VN050378.D (-3038) (-)
Ion 118.90 (118.60 to 119.60): VN050378.D (-3038) (-)

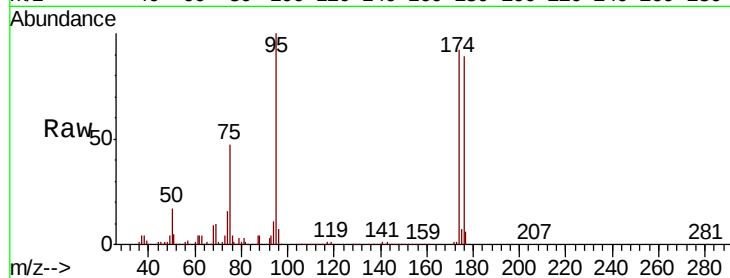




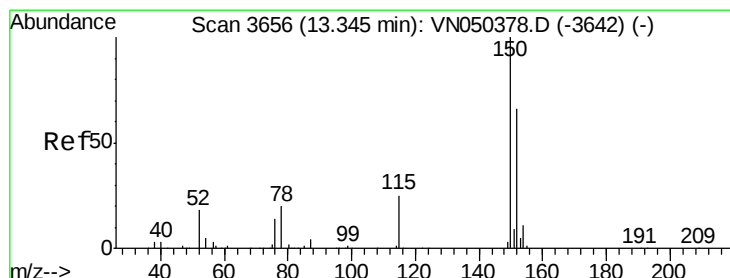
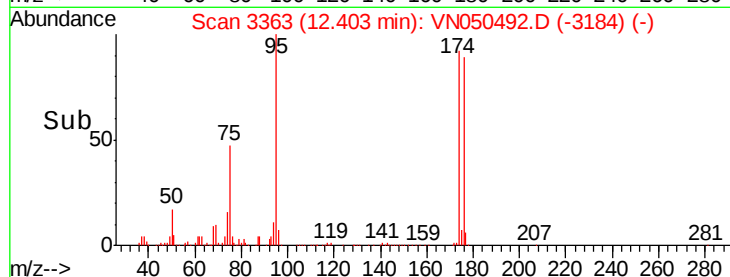
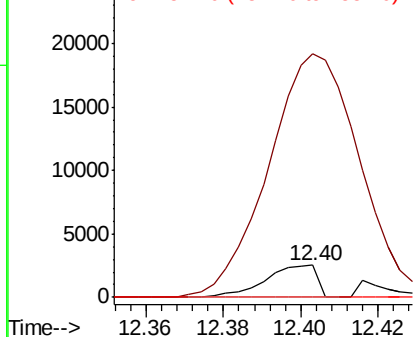
#71
Bromoform
Concen: 0.35 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN050492.D
Acq: 9 Aug 2018 17:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 2377
Ion Ratio Lower Upper
173 100
175 1113.8 24.1 72.2#
254 0.0 0.2 0.2#

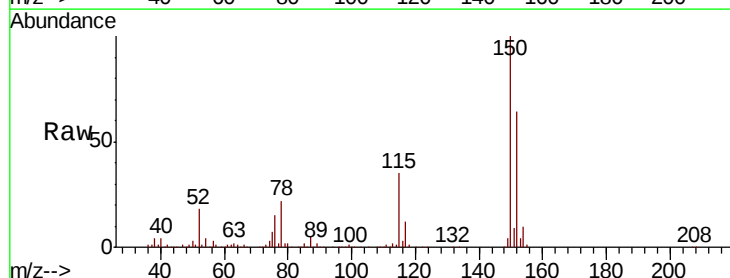


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

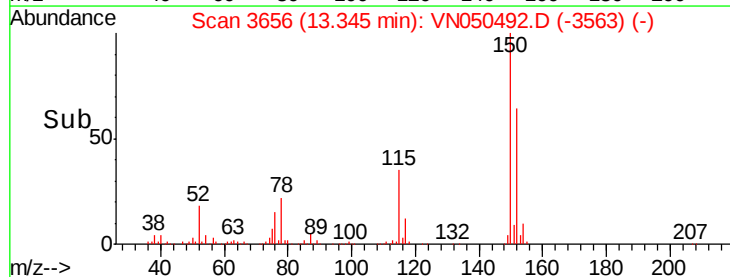
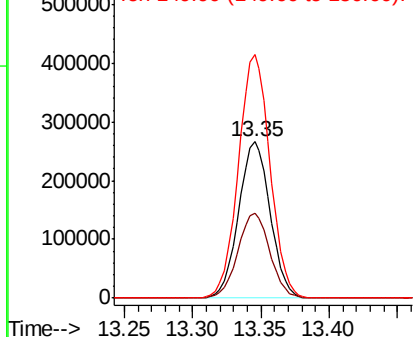


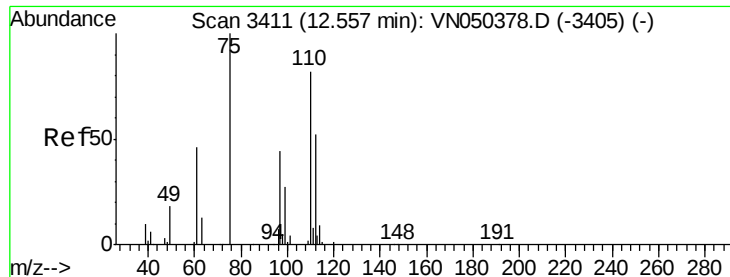
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050492.D
Acq: 9 Aug 2018 17:55

Tgt Ion:152 Resp: 427170
Ion Ratio Lower Upper
152 100
115 54.8 27.8 83.3
150 155.8 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.93 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050492.D

Acq: 9 Aug 2018 17:55

Instrument :

MSVOA_N

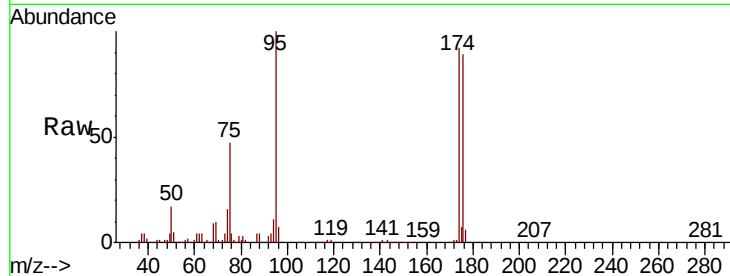
ClientSampled :

Tot Ion: 75 Resp: 223666

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

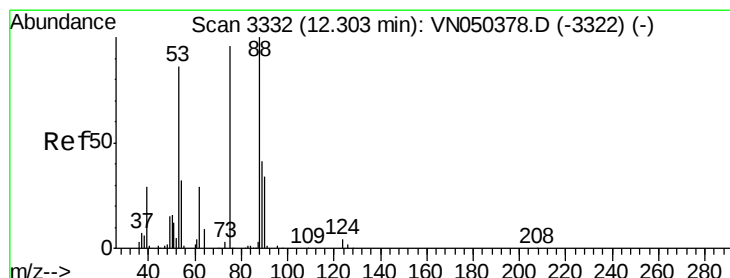
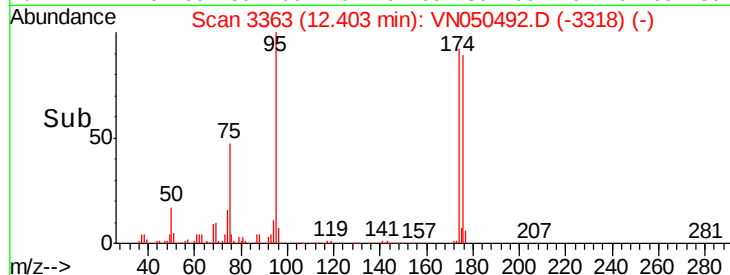
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 101.63 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050492.D

Acq: 9 Aug 2018 17:55

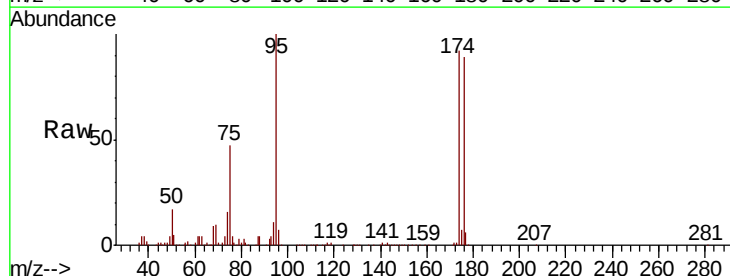
Tgt Ion: 75 Resp: 223666

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

12.40

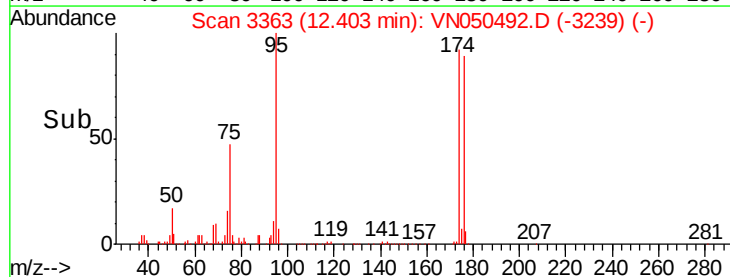
150000

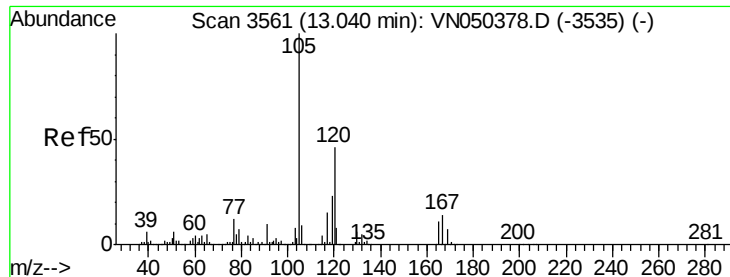
100000

50000

0

Time--> 12.30 12.40 12.50

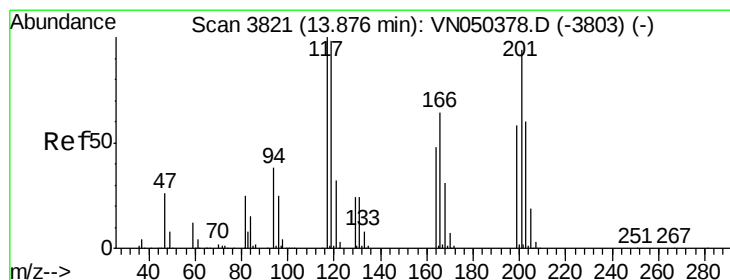
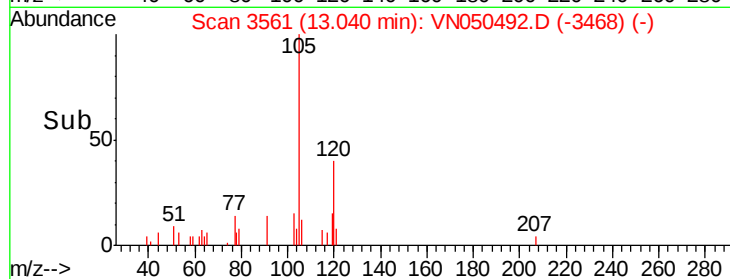
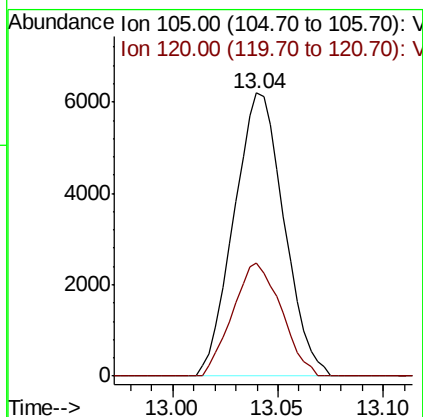
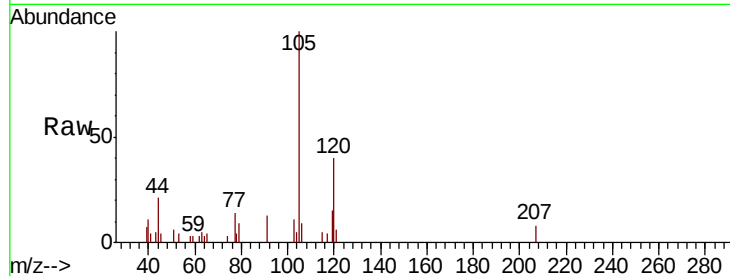




#84
 1,2,4-Trimethylbenzene
 Concen: 0.39 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050492.D
 Acq: 9 Aug 2018 17:55

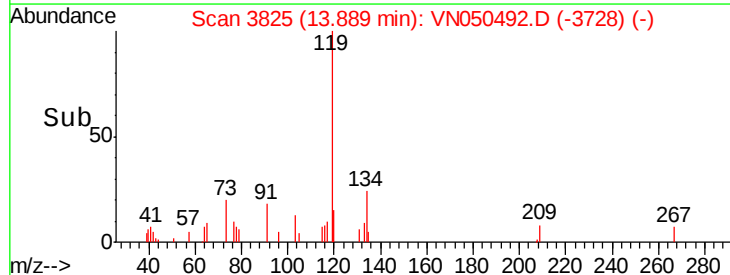
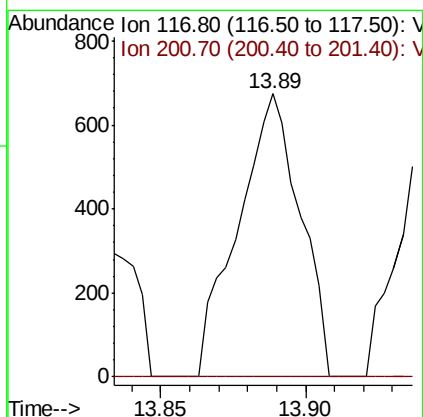
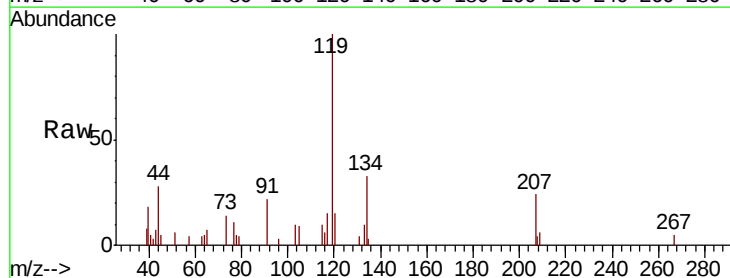
Instrument :
 MSVOA_N
 ClientSampled :

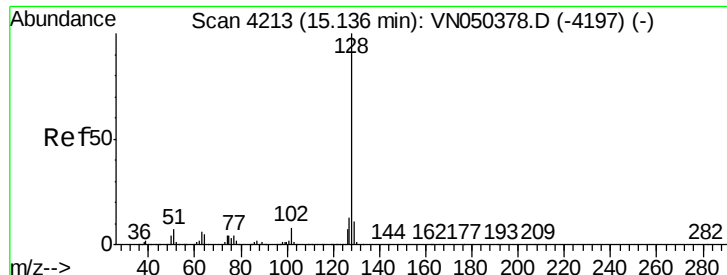
Tot Ion:105 Resp: 10214
 Ion Ratio Lower Upper
 105 100
 120 38.9 22.9 68.7



#90
 Hexachloroethane
 Concen: 0.22 ug/l
 RT: 13.89 min Scan# 3825
 Delta R.T. 0.01 min
 Lab File: VN050492.D
 Acq: 9 Aug 2018 17:55

Tgt Ion:117 Resp: 1003
 Ion Ratio Lower Upper
 117 100
 201 0.0 45.6 136.8#

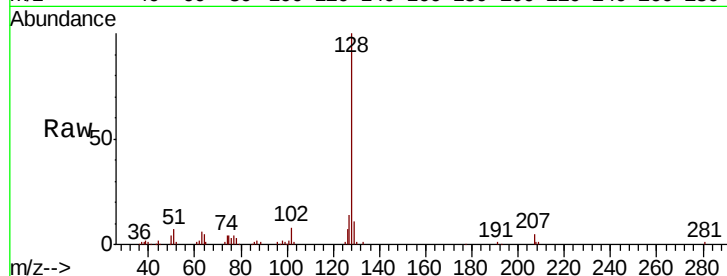




#95
Naphthalene
Concen: 8.13 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050492.D
Acq: 9 Aug 2018 17:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.4	15.6
129	11.1	8.8	13.2



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

