

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\
 Data File : VN050488.D
 Acq On : 9 Aug 2018 16:16
 Operator : MD\SY
 Sample : PB111888ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 04:04:33 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	785880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1271029	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1092217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	434419	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	520258	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
35) Dibromofluoromethane	7.59	113	470247	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	
50) Toluene-d8	10.09	98	1714405	44.71	ug/l	0.00
Spiked Amount			Recovery	=	89.42%	
62) 4-Bromofluorobenzene	12.40	95	509603	38.99	ug/l	0.00
Spiked Amount			Recovery	=	77.98%	

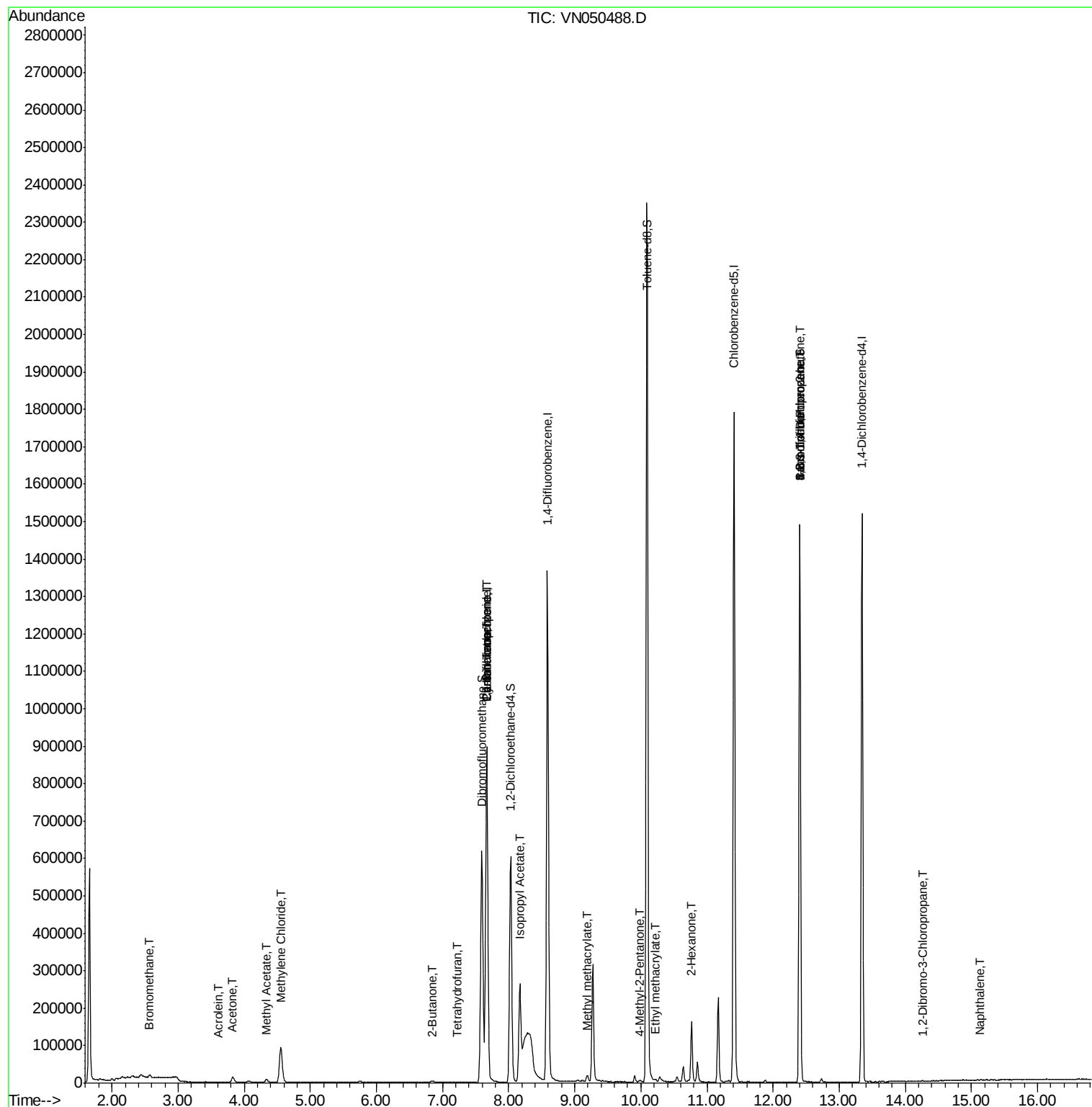
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3279	Below Cal		94
5) Bromomethane	2.57	94	5363	1.15 ug/l		83
13) Acrolein	3.61	56	99	15.11 ug/l	#	15
16) Acetone	3.82	43	24798	7.57 ug/l		96
18) Methyl Acetate	4.34	43	15901	1.77 ug/l		99
20) Methylene Chloride	4.55	84	76137	6.60 ug/l		98
25) 2-Butanone	6.86	43	4778	0.92 ug/l		100
29) Tetrahydrofuran	7.22	42	719	0.26 ug/l	#	76
31) Cyclohexane	7.67	56	14122	0.31 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	53203	3.81 ug/l	#	48
38) Carbon Tetrachloride	7.67	117	68905	4.73 ug/l	#	17
43) Isopropyl Acetate	8.17	43	338311	19.49 ug/l		96
48) Methyl methacrylate	9.18	41	9448	1.09 ug/l	#	20
51) 4-Methyl-2-Pentanone	9.99	43	3138	0.25 ug/l		92
56) Ethyl methacrylate	10.22	69	3216	1.93 ug/l	#	79
59) 2-Hexanone	10.77	43	22397	2.57 ug/l	#	57
71) Bromoform	12.41	173	4234	0.58 ug/l	#	1
76) 1,2,3-Trichloropropane	12.40	75	242481	30.84 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	242481	108.35 ug/l	#	13
92) 1,2-Dibromo-3-Chloropropan	14.26	75	403	0.25 ug/l	#	1
95) Naphthalene	15.13	128	940	3.66 ug/l	#	69

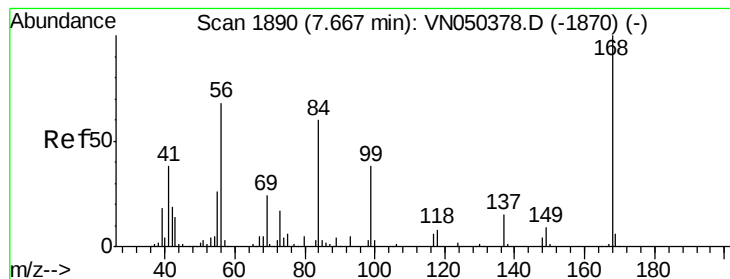
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 10 04:04:33 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: VN050488.D

Acq: 9 Aug 2018 16:16

Instrument :

MSVOA_N

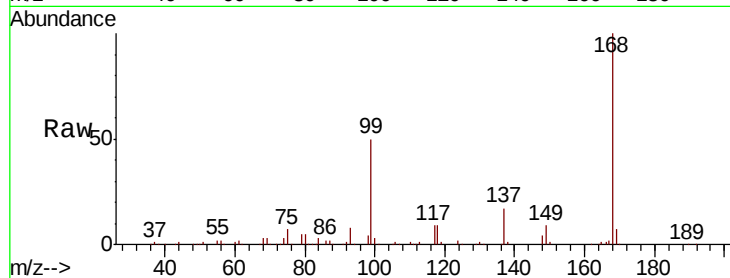
ClientSampled :

Tot Ion:168 Resp: 785880

Ion Ratio Lower Upper

168 100

99 50.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050378.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050378.D (-1870) (-)

7.67

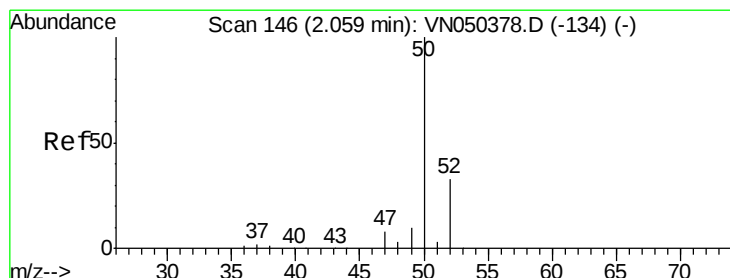
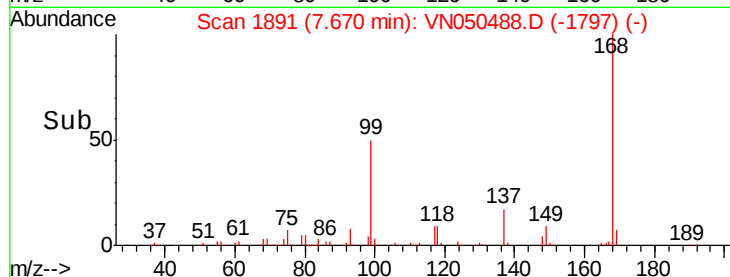
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050488.D

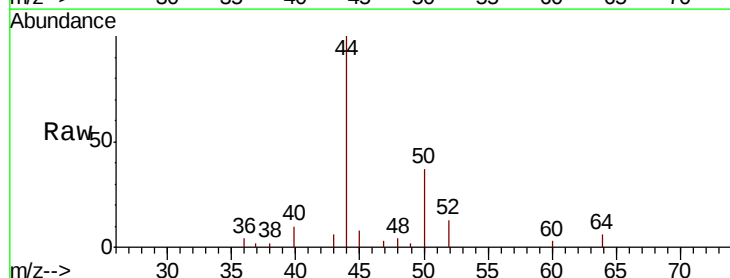
Acq: 9 Aug 2018 16:16

Tgt Ion: 50 Resp: 3279

Ion Ratio Lower Upper

50 100

52 36.0 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN050378.D (-134) (-)

Ion 51.90 (51.60 to 52.60): VN050378.D (-134) (-)

2.06

2500

2000

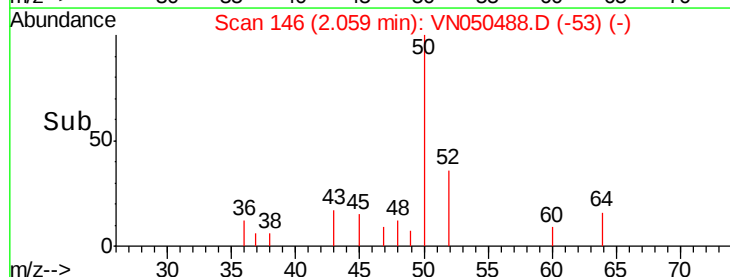
1500

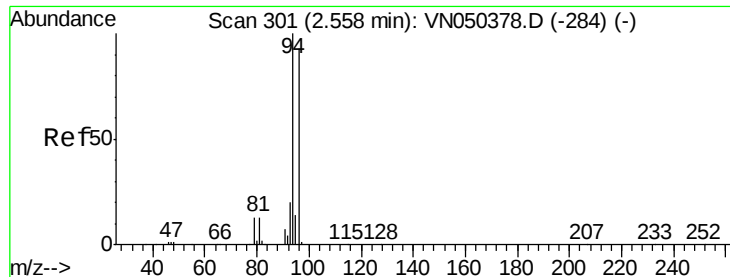
1000

500

0

Time-->





#5

Bromomethane

Concen: 1.15 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050488.D

Acq: 9 Aug 2018 16:16

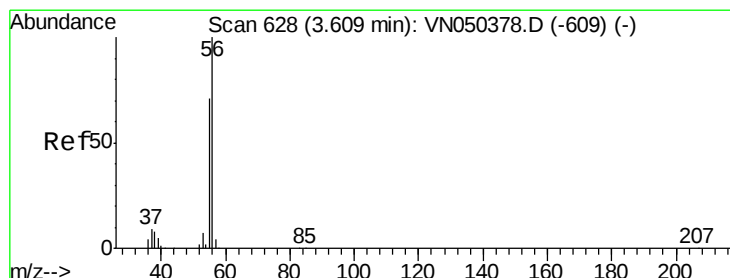
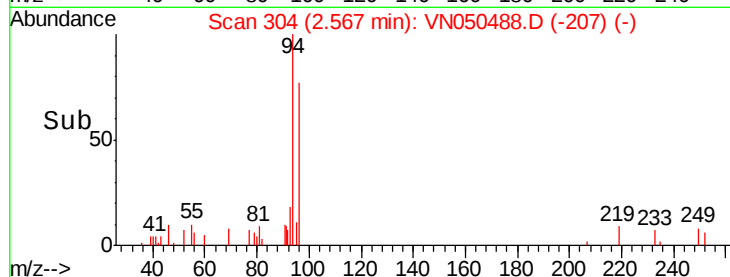
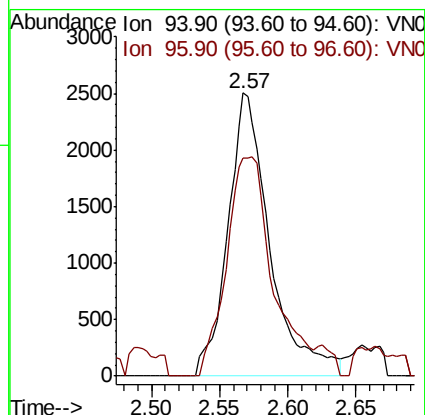
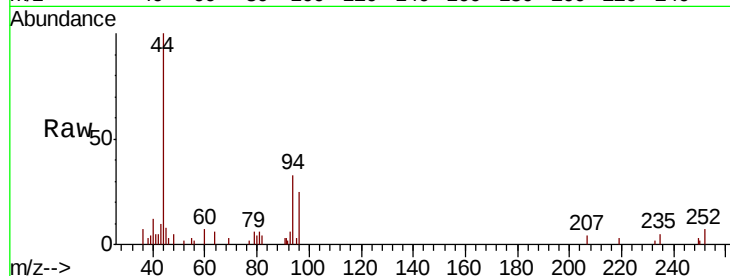
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 5363

Ion Ratio Lower Upper

94 100

96 77.0 74.6 112.0



#13

Acrolein

Concen: 15.11 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050488.D

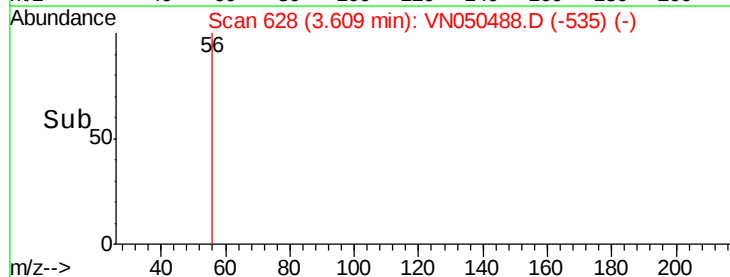
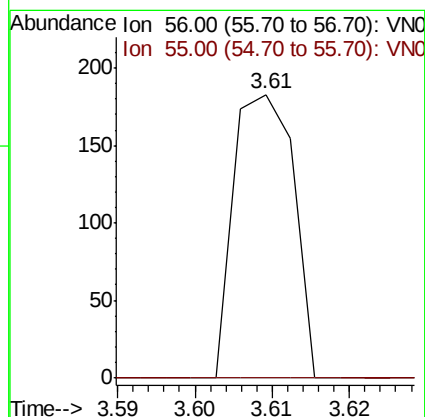
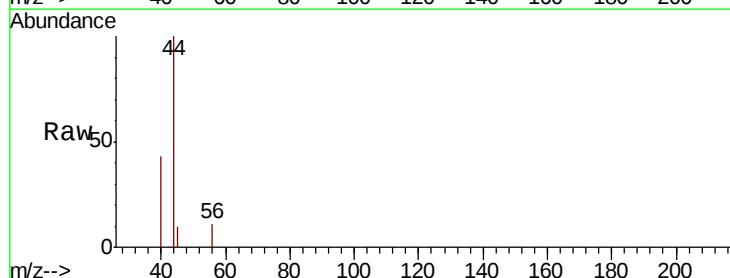
Acq: 9 Aug 2018 16:16

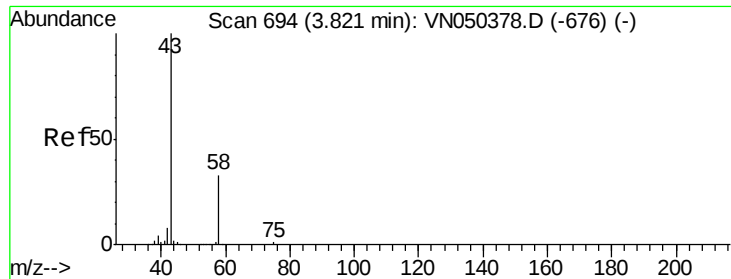
Tgt Ion: 56 Resp: 99

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.6#





#16

Acetone

Concen: 7.57 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050488.D

Acq: 9 Aug 2018 16:16

Instrument :

MSVOA_N

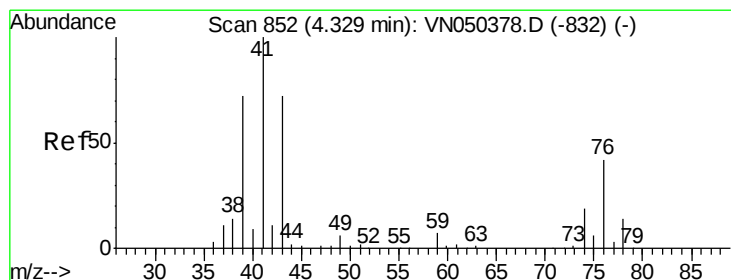
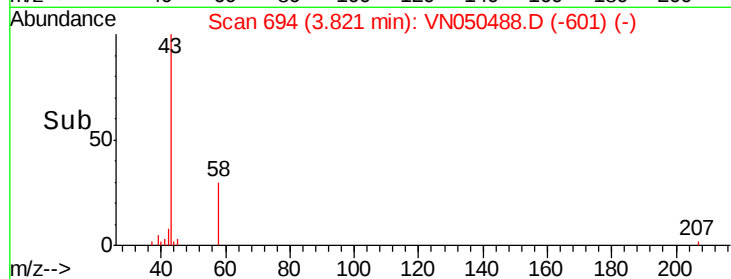
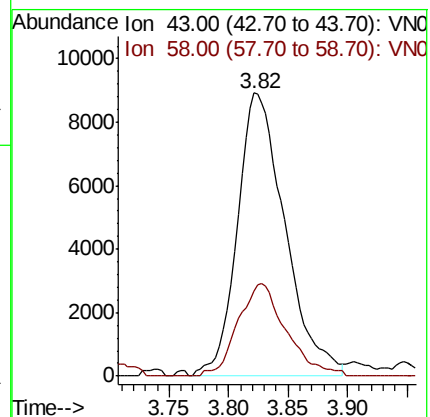
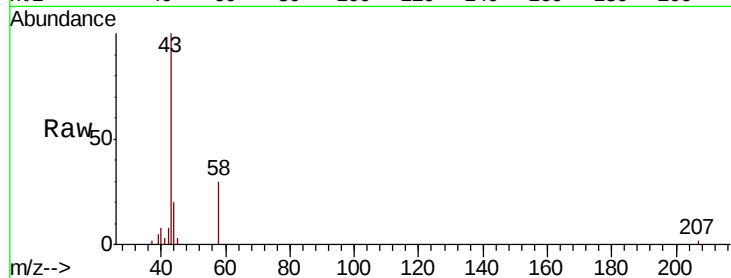
ClientSampleId :

Tot Ion: 43 Resp: 24798

Ion Ratio Lower Upper

43 100

58 30.1 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: VN050488.D

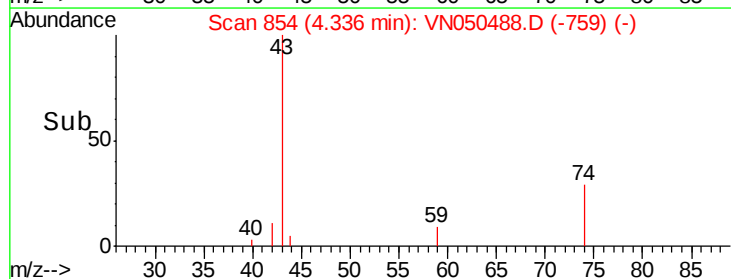
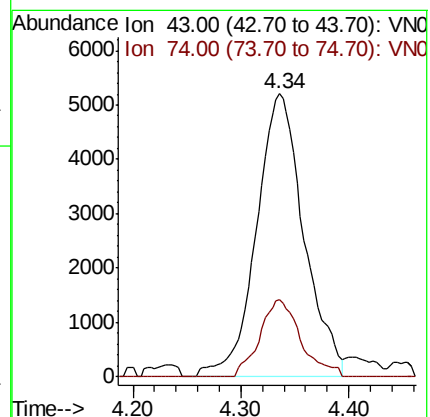
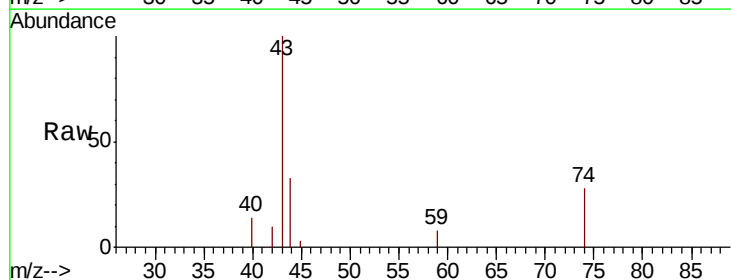
Acq: 9 Aug 2018 16:16

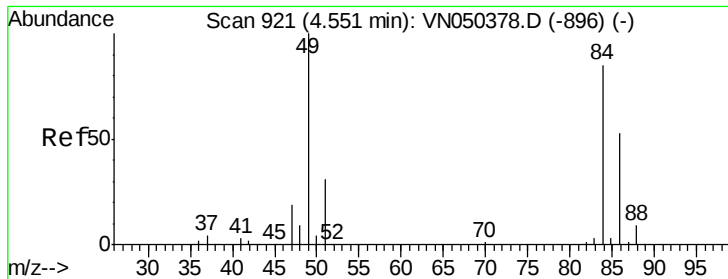
Tgt Ion: 43 Resp: 15901

Ion Ratio Lower Upper

43 100

74 23.5 19.2 28.8

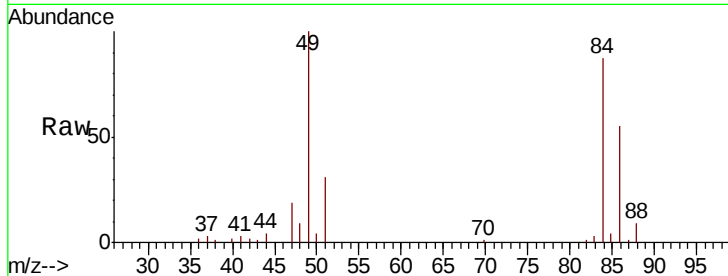




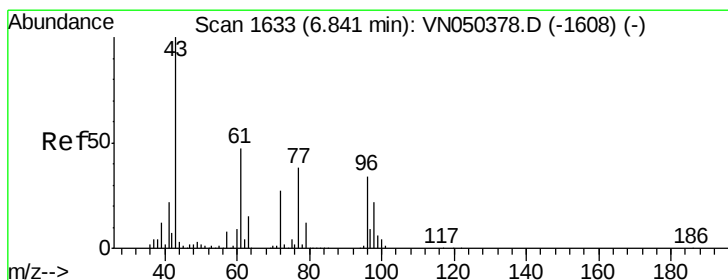
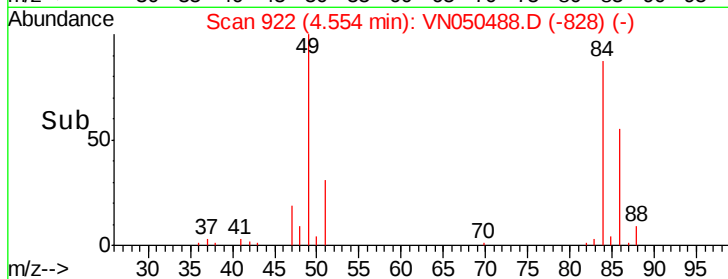
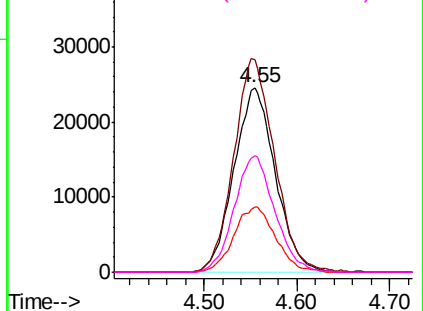
#20
Methvlene Chloride
Concen: 6.60 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050488.D
Acq: 9 Aug 2018 16:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 84 Resp: 76137
Ion Ratio Lower Upper
84 100
49 115.0 94.8 142.2
51 35.5 28.3 42.5
86 63.1 51.0 76.6

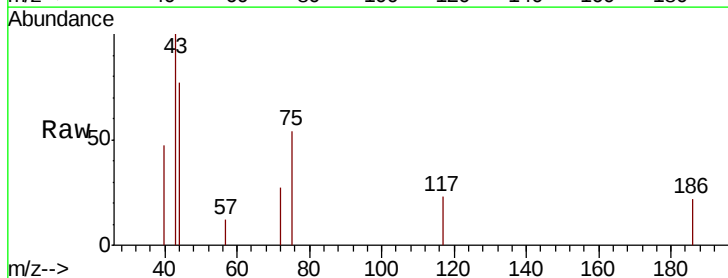


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

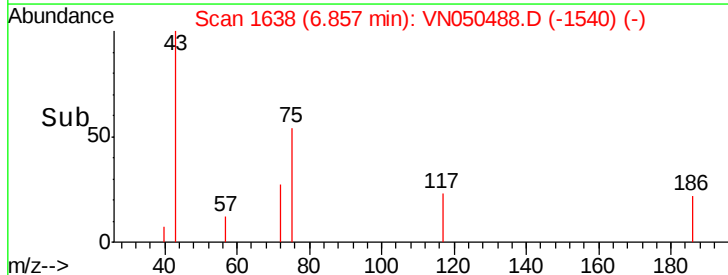
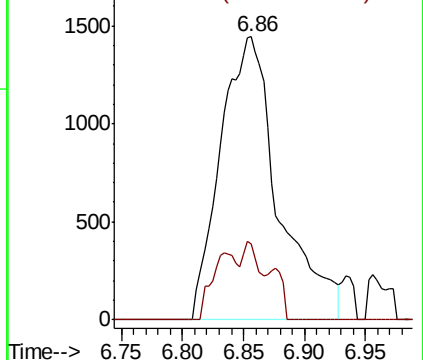


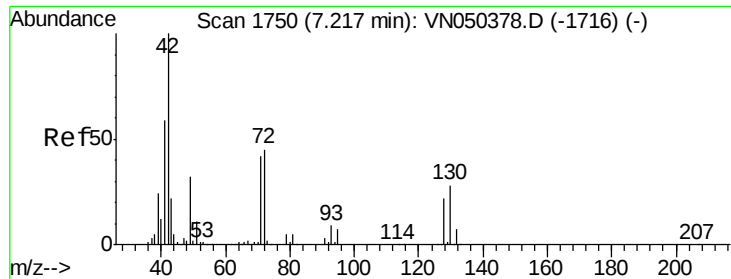
#25
2-Butanone
Concen: 0.92 ug/l
RT: 6.86 min Scan# 1638
Delta R.T. 0.02 min
Lab File: VN050488.D
Acq: 9 Aug 2018 16:16

Tgt Ion: 43 Resp: 4778
Ion Ratio Lower Upper
43 100
72 26.7 21.5 32.3



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

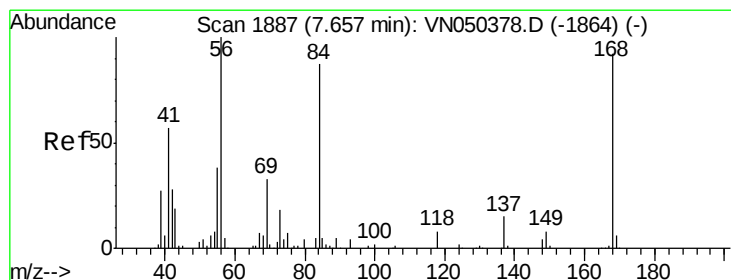
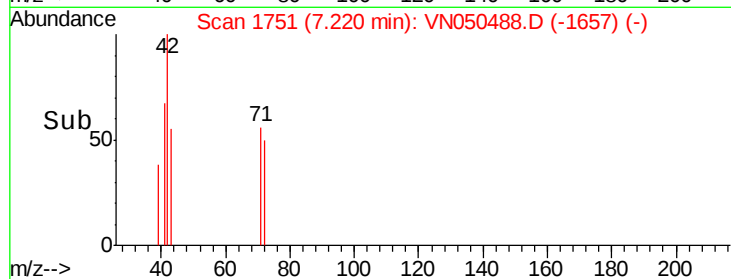
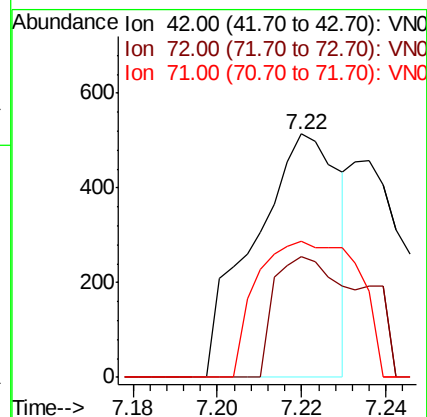
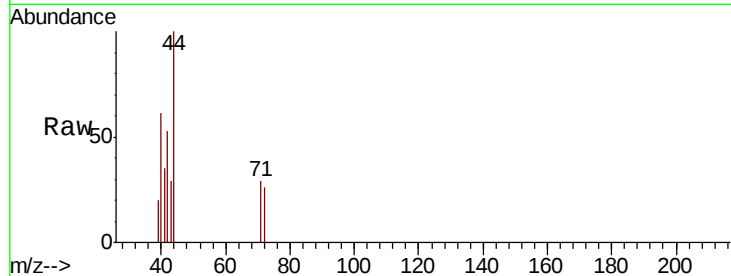




#29
Tetrahydrofuran
Concen: 0.26 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050488.D
Acq: 9 Aug 2018 16:16

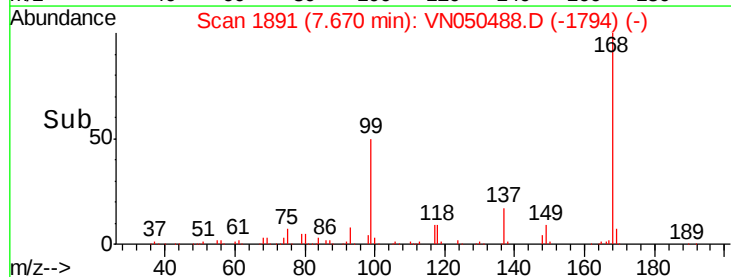
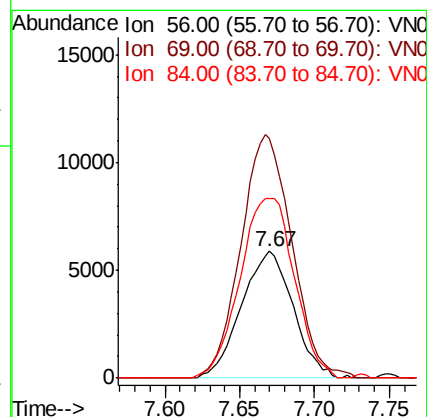
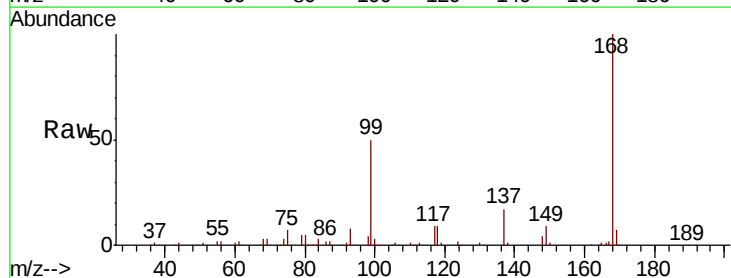
Instrument :
MSVOA_N
ClientSampled :

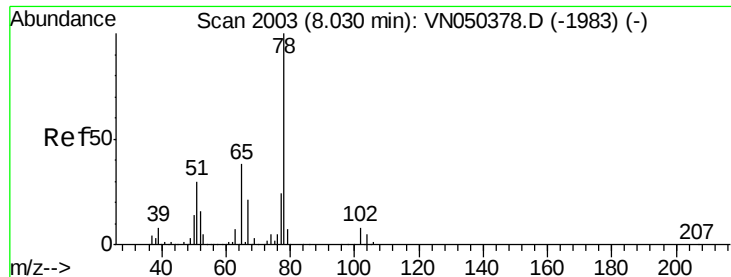
Tot Ion: 42 Resp: 719
Ion Ratio Lower Upper
42 100
72 51.6 35.9 53.9
71 66.2 33.7 50.5#



#31
Cyclohexane
Concen: 0.31 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.01 min
Lab File: VN050488.D
Acq: 9 Aug 2018 16:16

Tgt Ion: 56 Resp: 14122
Ion Ratio Lower Upper
56 100
69 189.1 26.2 39.4#
84 141.8 67.4 101.0#

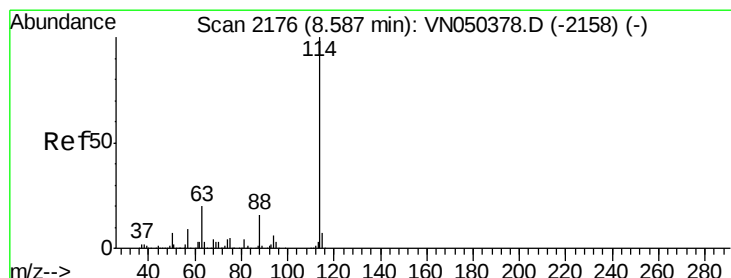
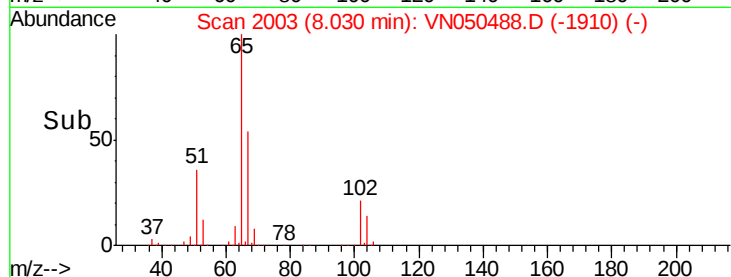
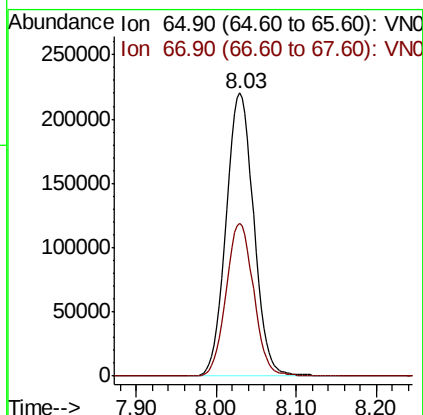
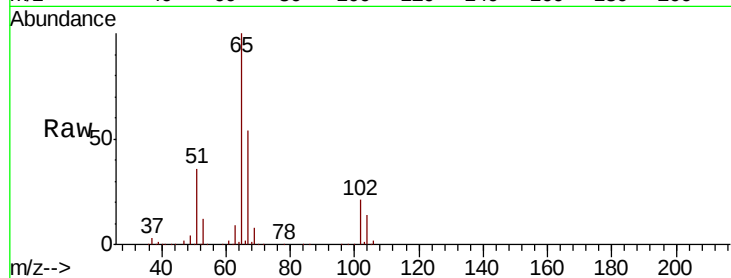




#33
 1,2-Dichloroethane-d4
 Concen: 49.55 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050488.D
 Acq: 9 Aug 2018 16:16

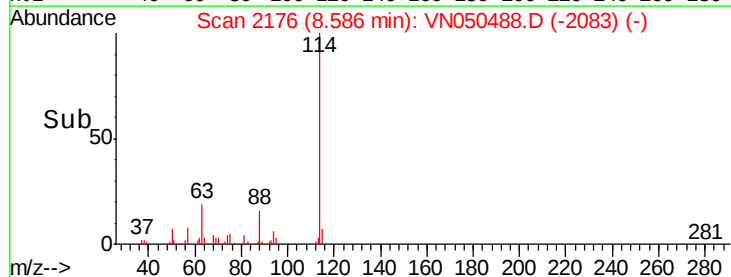
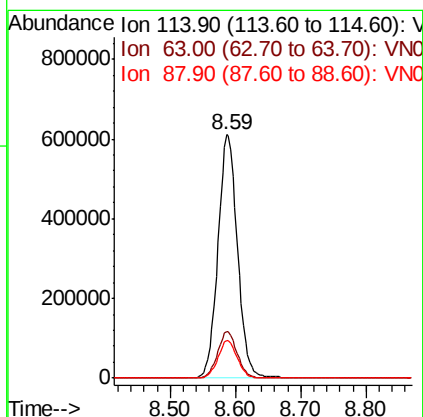
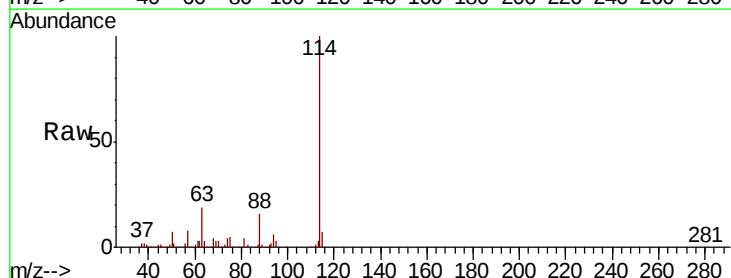
Instrument :
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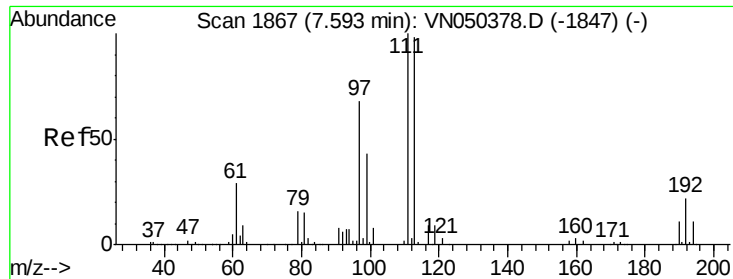
Tot Ion: 65 Resp: 520258
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050488.D
 Acq: 9 Aug 2018 16:16

Tgt Ion: 114 Resp: 1271029
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.0
 88 15.6 0.0 31.2

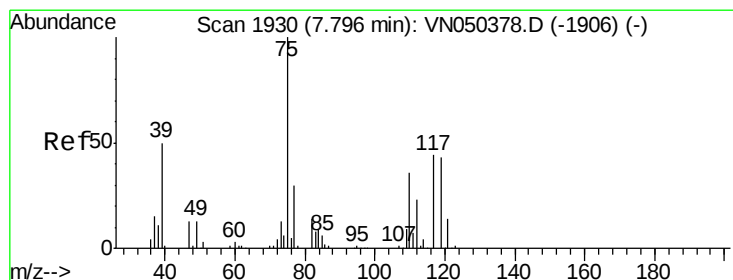
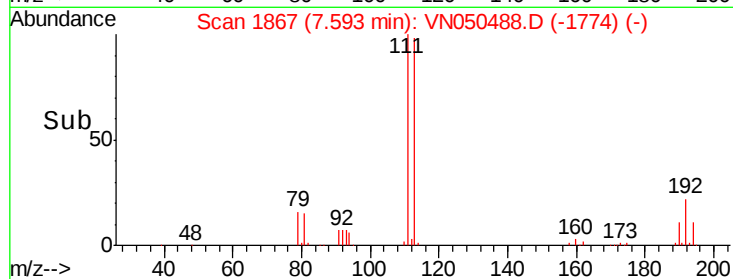
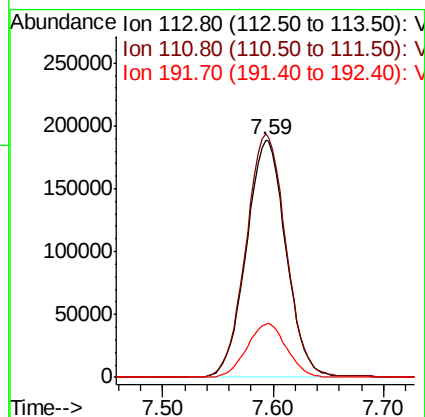
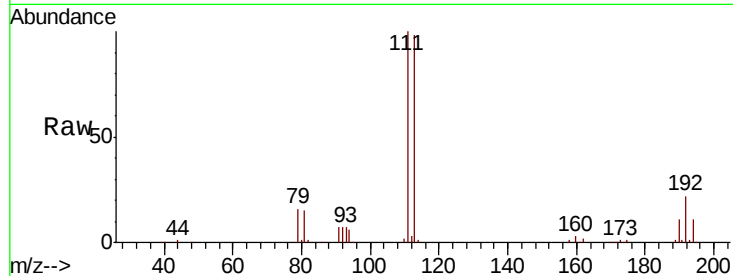




#35
 Dibromofluoromethane
 Concen: 46.11 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050488.D
 Acq: 9 Aug 2018 16:16

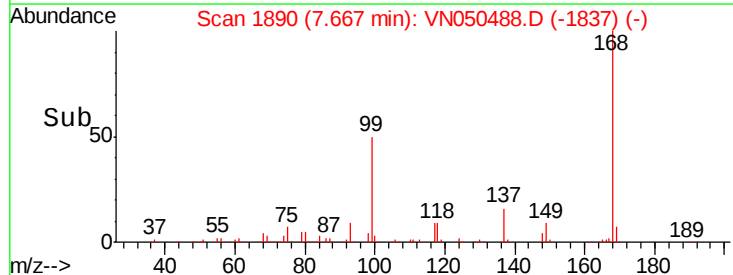
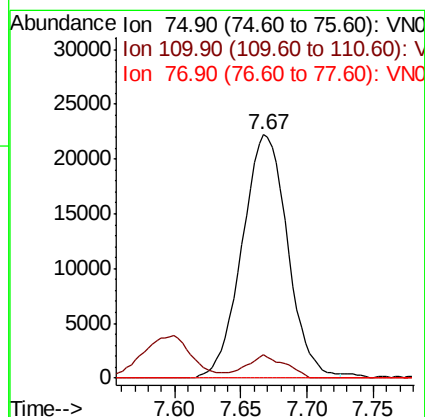
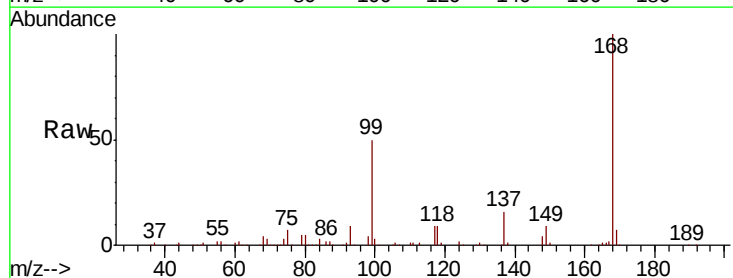
Instrument :
 MSVOA_N
 ClientSampleId :

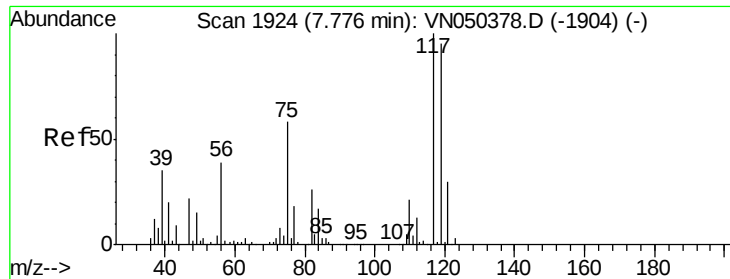
Tot Ion:113 Resp: 470247
 Ion Ratio Lower Upper
 113 100
 111 103.2 80.7 121.1
 192 22.9 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.81 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050488.D
 Acq: 9 Aug 2018 16:16

Tgt Ion: 75 Resp: 53203
 Ion Ratio Lower Upper
 75 100
 110 8.1 18.4 55.2#
 77 0.0 25.3 37.9#

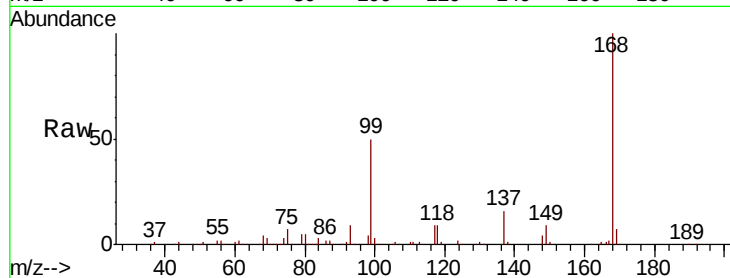




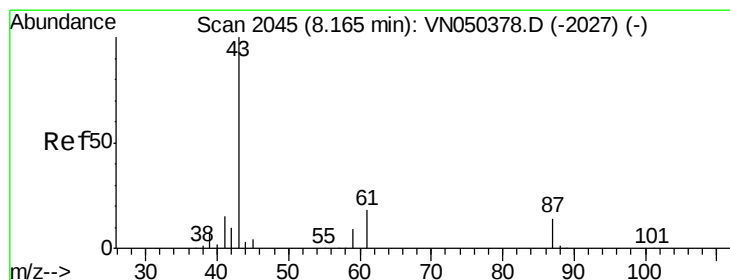
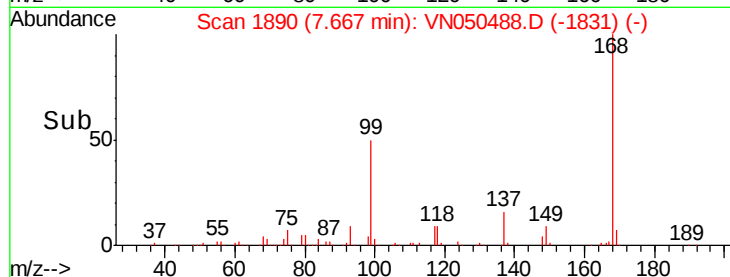
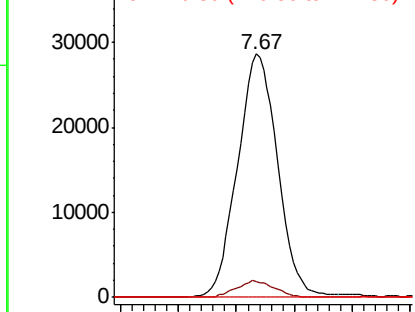
#38
Carbon Tetrachloride
Concen: 4.73 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050488.D
Acq: 9 Aug 2018 16:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 68905
Ion Ratio Lower Upper
117 100
119 6.6 77.4 116.0#
121 0.0 23.9 35.9#

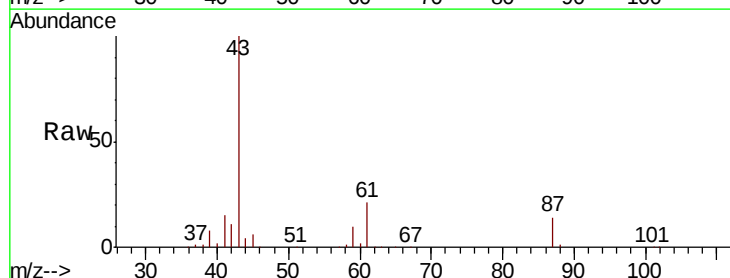


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

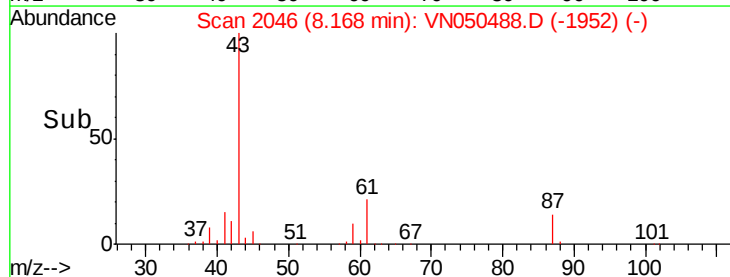
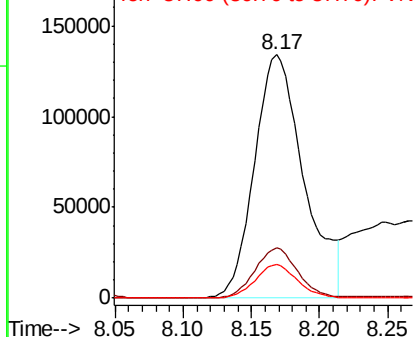


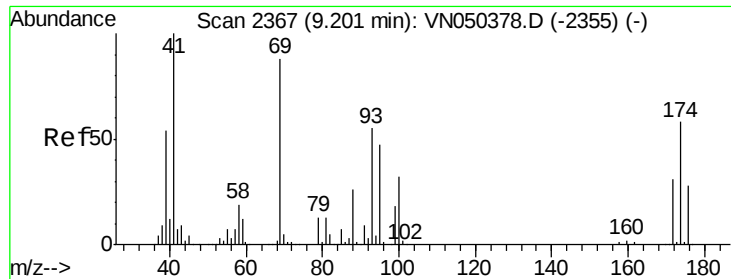
#43
Isopropyl Acetate
Concen: 19.49 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050488.D
Acq: 9 Aug 2018 16:16

Tgt Ion: 43 Resp: 338311
Ion Ratio Lower Upper
43 100
61 17.9 15.8 23.6
87 11.8 10.3 15.5



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

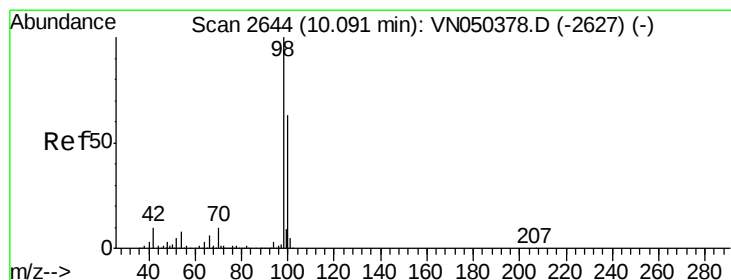
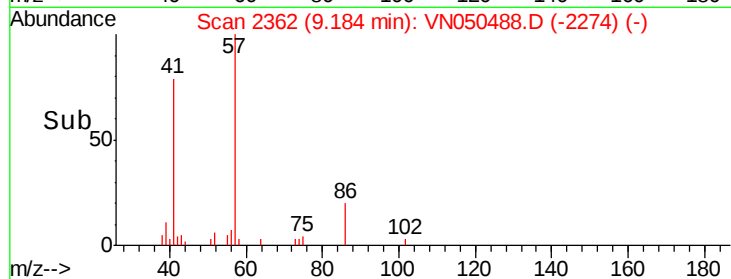
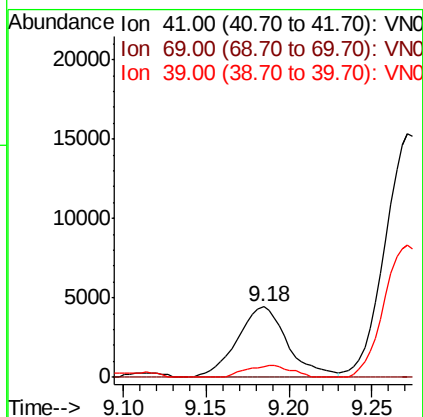
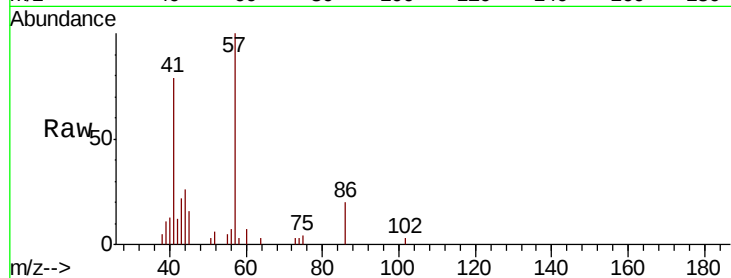




#48
Methvl methacrylate
Concen: 1.09 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. -0.02 min
Lab File: VN050488.D
Acq: 9 Aug 2018 16:16

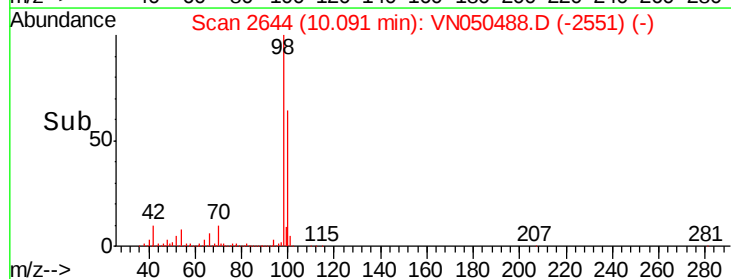
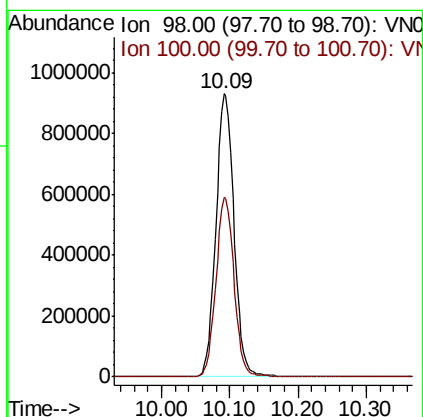
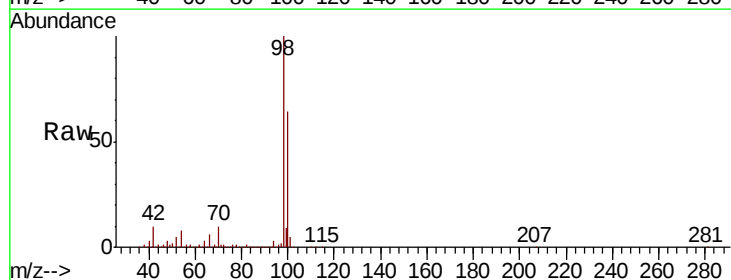
Instrument :
MSVOA_N
ClientSampled :

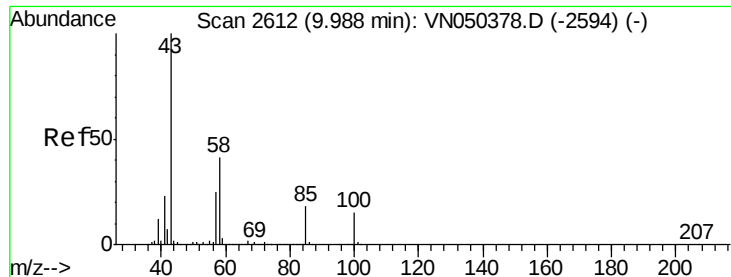
Tot Ion: 41 Resp: 9448
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 14.9 43.9 65.9#



#50
Toluene-d8
Concen: 44.71 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050488.D
Acq: 9 Aug 2018 16:16

Tgt Ion: 98 Resp: 1714405
Ion Ratio Lower Upper
98 100
100 63.7 50.7 76.1

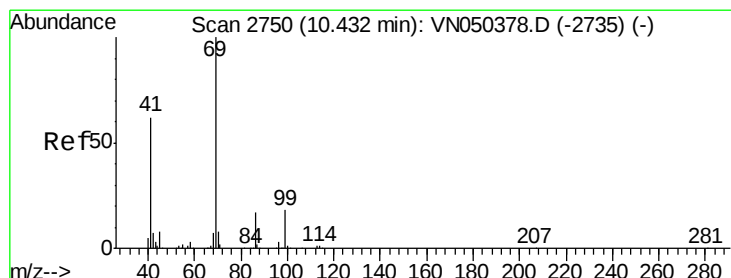
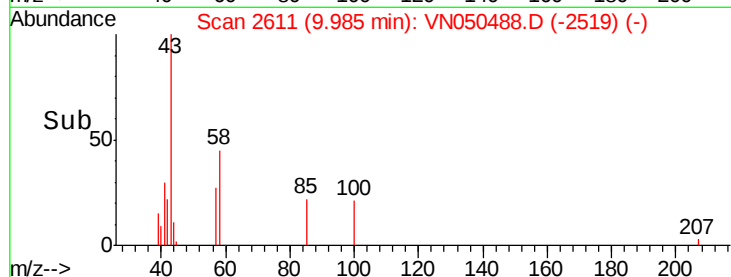
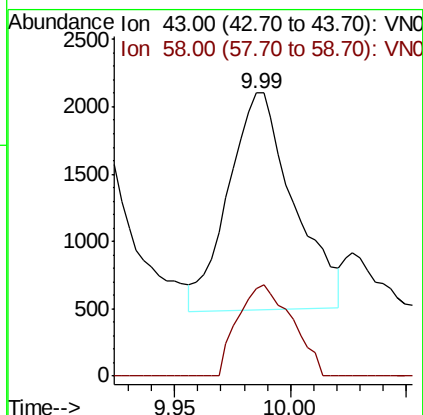
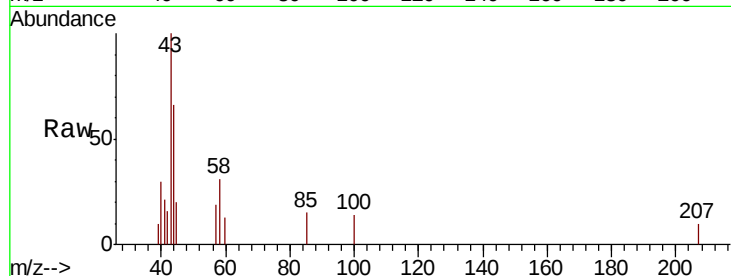




#51
4-Methyl-2-Pentanone
Concen: 0.25 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050488.D
Acq: 9 Aug 2018 16:16

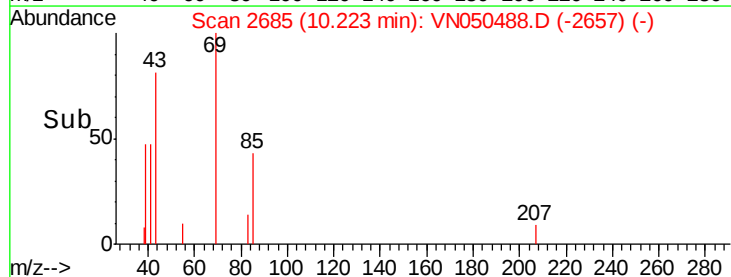
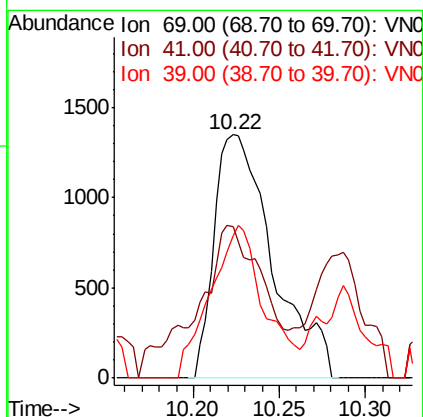
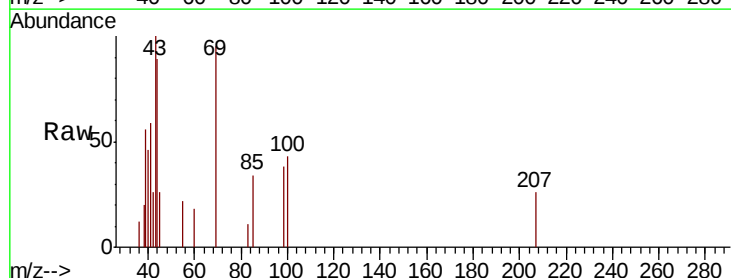
Instrument :
MSVOA_N
ClientSampled :

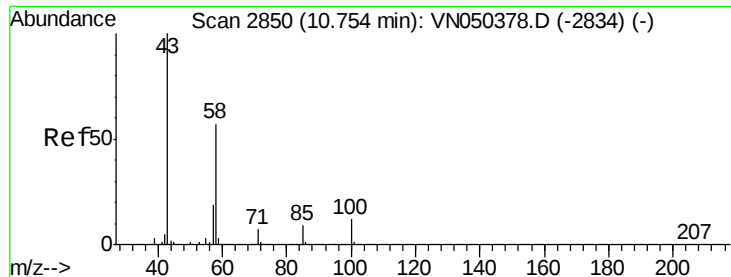
Tot Ion: 43 Resp: 3138
Ion Ratio Lower Upper
43 100
58 35.2 31.9 47.9



#56
Ethyl methacrylate
Concen: 1.93 ug/l
RT: 10.22 min Scan# 2685
Delta R.T. -0.21 min
Lab File: VN050488.D
Acq: 9 Aug 2018 16:16

Tgt Ion: 69 Resp: 3216
Ion Ratio Lower Upper
69 100
41 71.8 51.0 76.4
39 57.6 26.6 40.0#

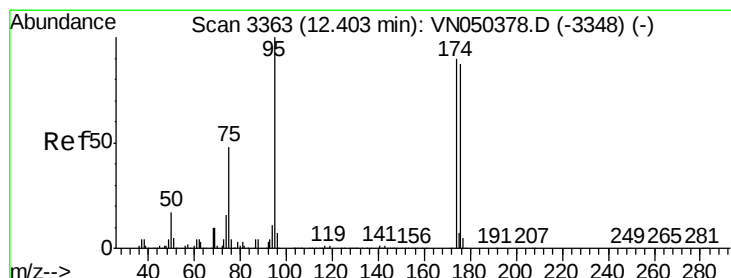
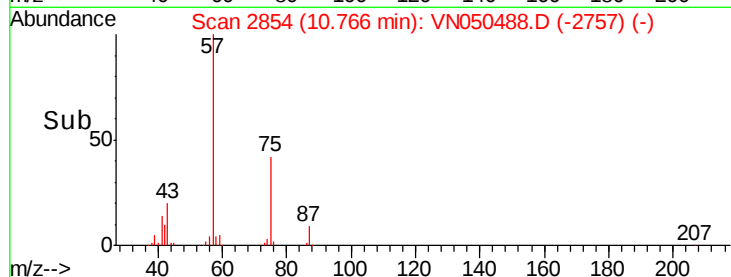
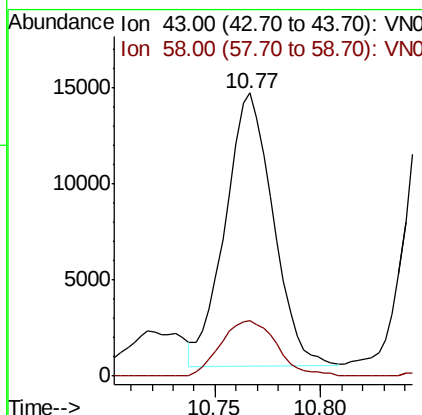
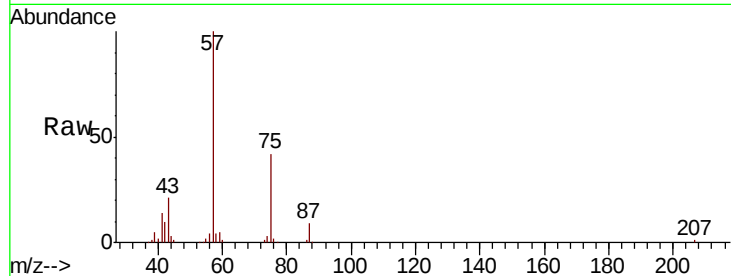




#59
2-Hexanone
Concen: 2.57 ug/l
RT: 10.77 min Scan# 2854
Delta R.T. 0.01 min
Lab File: VN050488.D
Acq: 9 Aug 2018 16:16

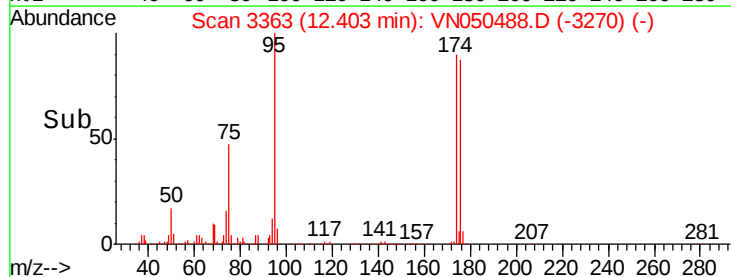
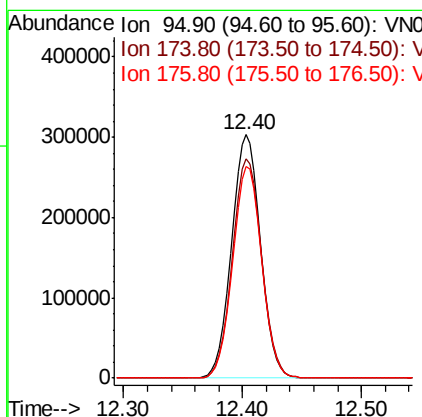
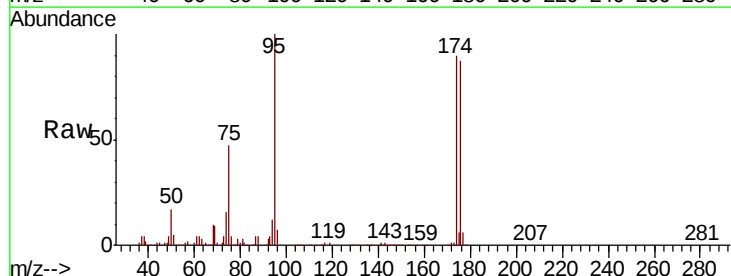
Instrument :
MSVOA_N
ClientSampleId :

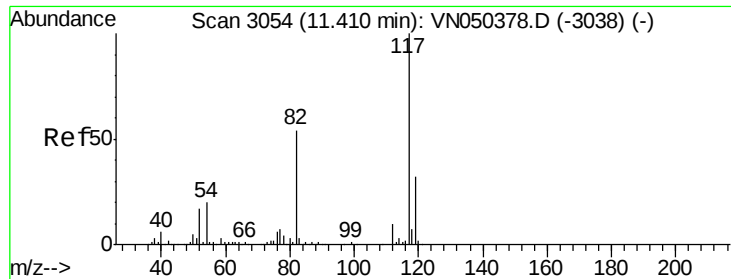
Tot Ion: 43 Resp: 22397
Ion Ratio Lower Upper
43 100
58 23.8 27.6 82.7#



#62
4-Bromofluorobenzene
Concen: 38.99 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050488.D
Acq: 9 Aug 2018 16:16

Tgt Ion: 95 Resp: 509603
Ion Ratio Lower Upper
95 100
174 91.2 0.0 178.2
176 87.4 0.0 173.4

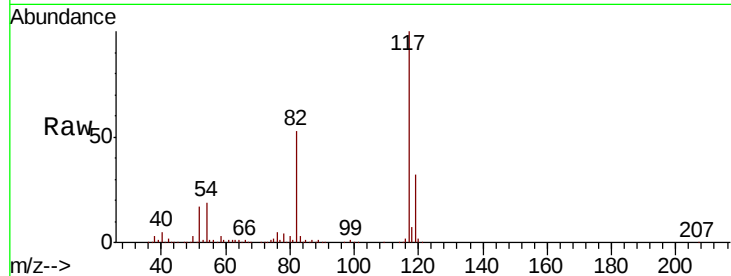




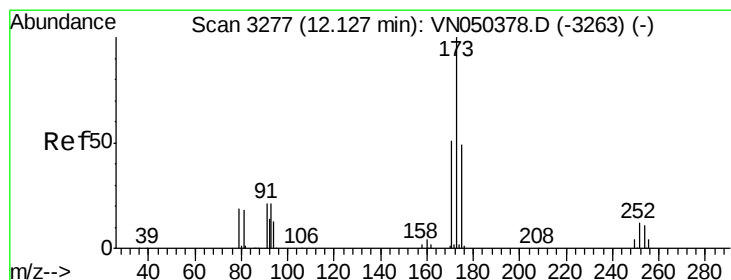
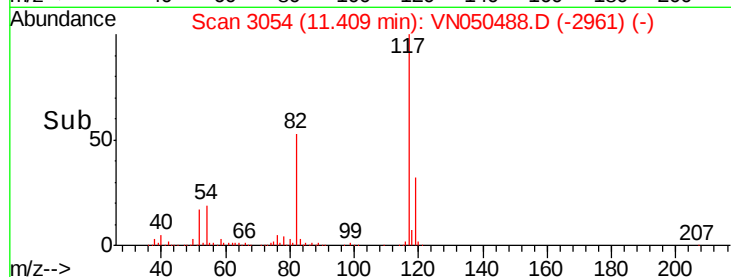
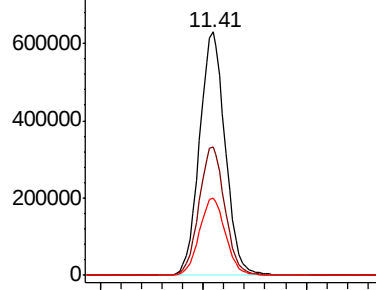
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050488.D
Acq: 9 Aug 2018 16:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1092217
Ion Ratio Lower Upper
117 100
82 53.0 43.7 65.5
119 32.0 26.1 39.1

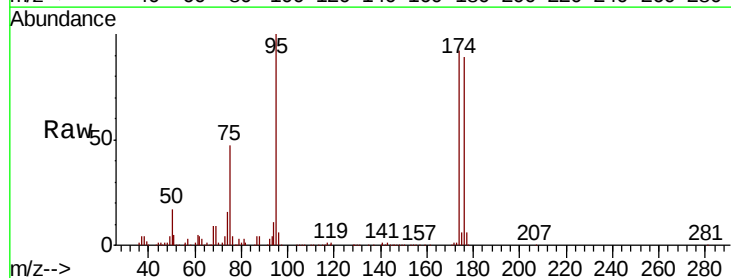


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

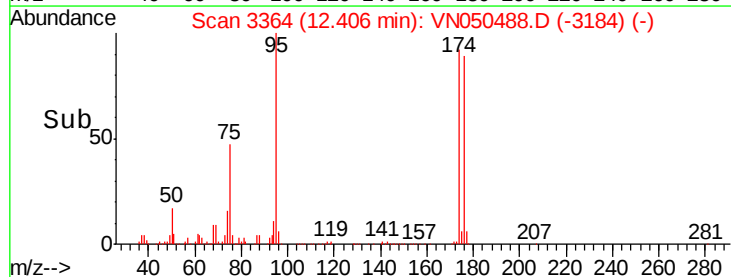
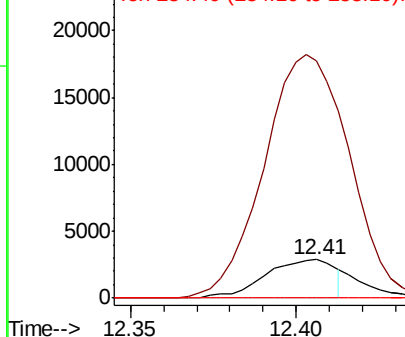


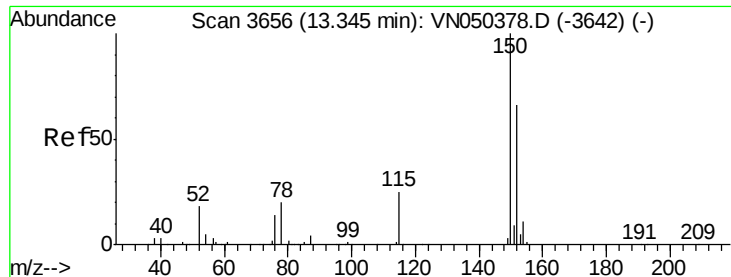
#71
Bromoform
Concen: 0.58 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN050488.D
Acq: 9 Aug 2018 16:16

Tgt Ion:173 Resp: 4234
Ion Ratio Lower Upper
173 100
175 637.2 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: VN050488.D

Acq: 9 Aug 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

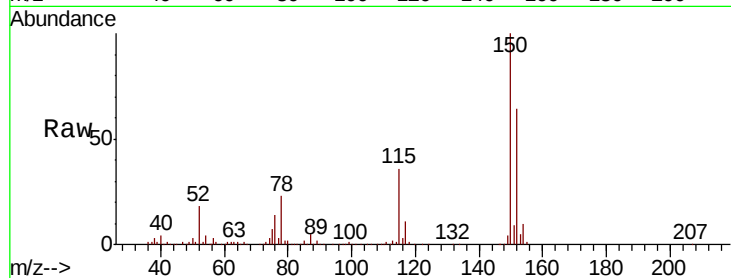
Tot Ion:152 Resp: 434419

Ion Ratio Lower Upper

152 100

115 55.9 27.8 83.3

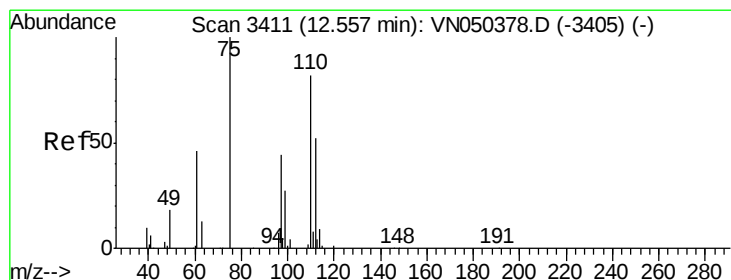
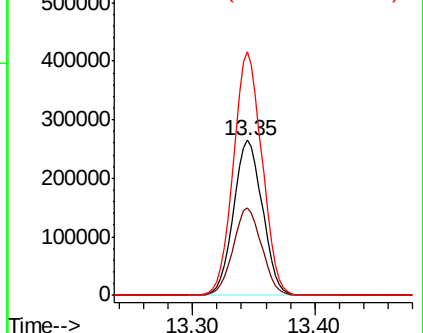
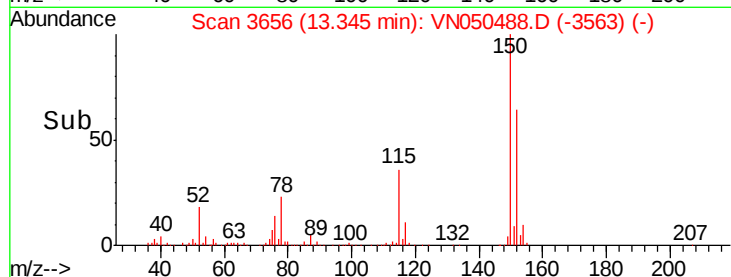
150 155.6 0.0 348.6



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: 30.84 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050488.D

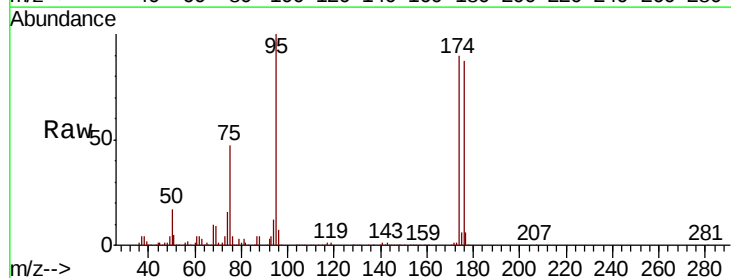
Acq: 9 Aug 2018 16:16

Tgt Ion: 75 Resp: 242481

Ion Ratio Lower Upper

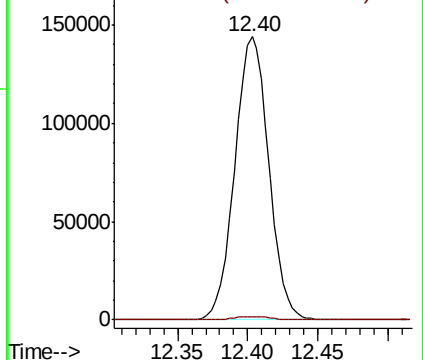
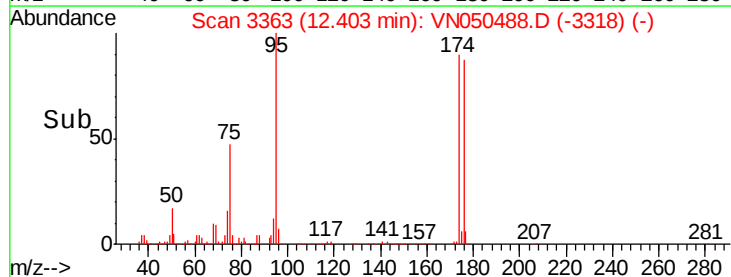
75 100

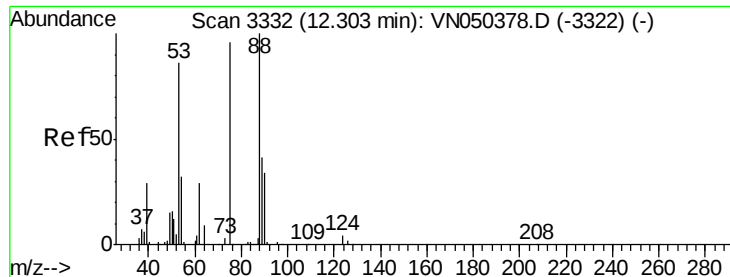
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 108.35 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050488.D

Acq: 9 Aug 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

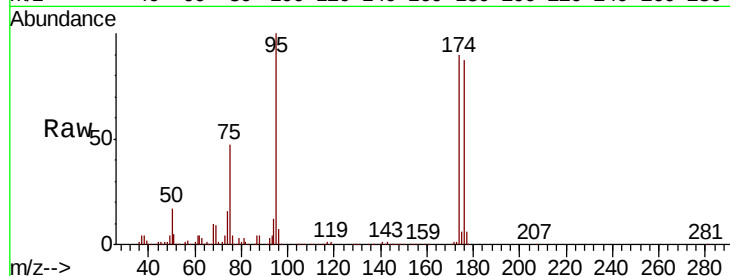
Tot Ion: 75 Resp: 242481

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

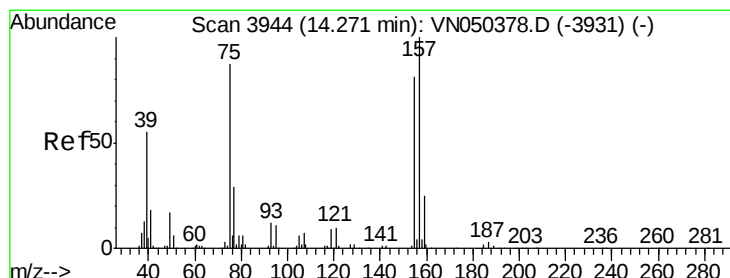
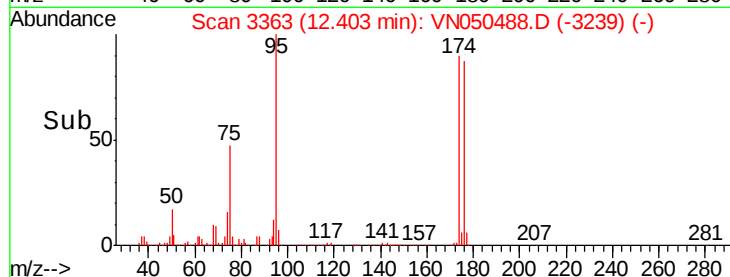
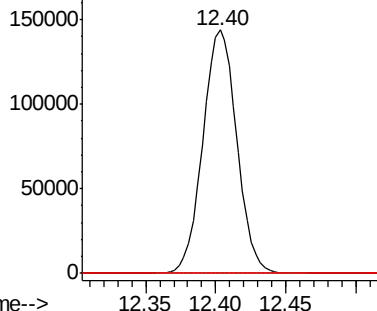
89 0.0 36.0 54.0#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.25 ug/l

RT: 14.26 min Scan# 3942

Delta R.T. -0.01 min

Lab File: VN050488.D

Acq: 9 Aug 2018 16:16

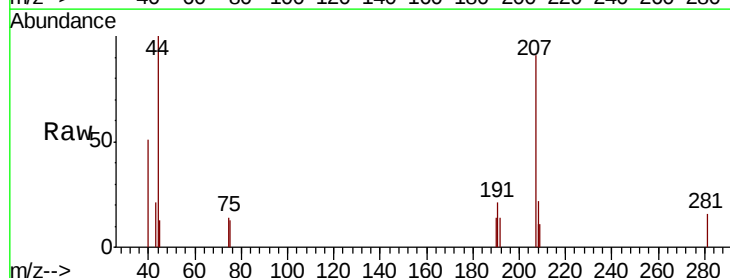
Tgt Ion: 75 Resp: 403

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

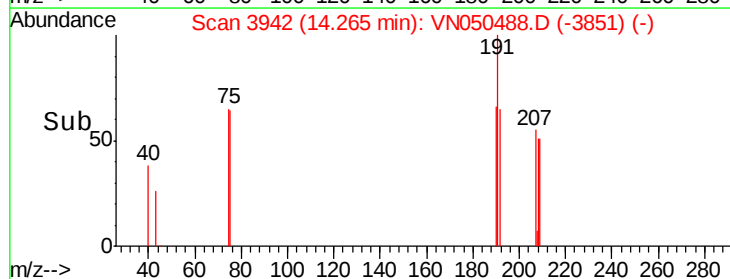
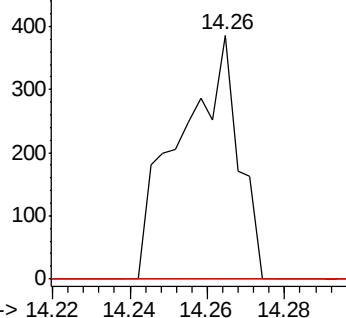
157 0.0 57.2 171.6#

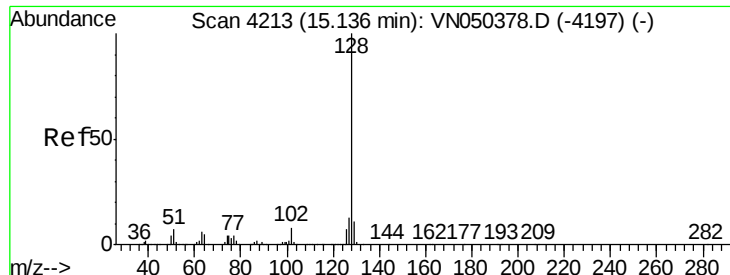


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95
 Naphthalene
 Concen: 3.66 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. -0.00 min
 Lab File: VN050488.D
 Acq: 9 Aug 2018 16:16

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.8	13.2#

