

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\
 Data File : VN050497.D
 Acq On : 9 Aug 2018 19:59
 Operator : MD\SY
 Sample : J4388-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 04:06:59 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	732646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1182246	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1044442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	409725	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	493701	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
35) Dibromofluoromethane	7.59	113	448130	47.24	ug/l	0.00
Spiked Amount			Recovery	=	94.48%	
50) Toluene-d8	10.09	98	1615190	45.29	ug/l	0.00
Spiked Amount			Recovery	=	90.58%	
62) 4-Bromofluorobenzene	12.40	95	475363	39.11	ug/l	0.00
Spiked Amount			Recovery	=	78.22%	

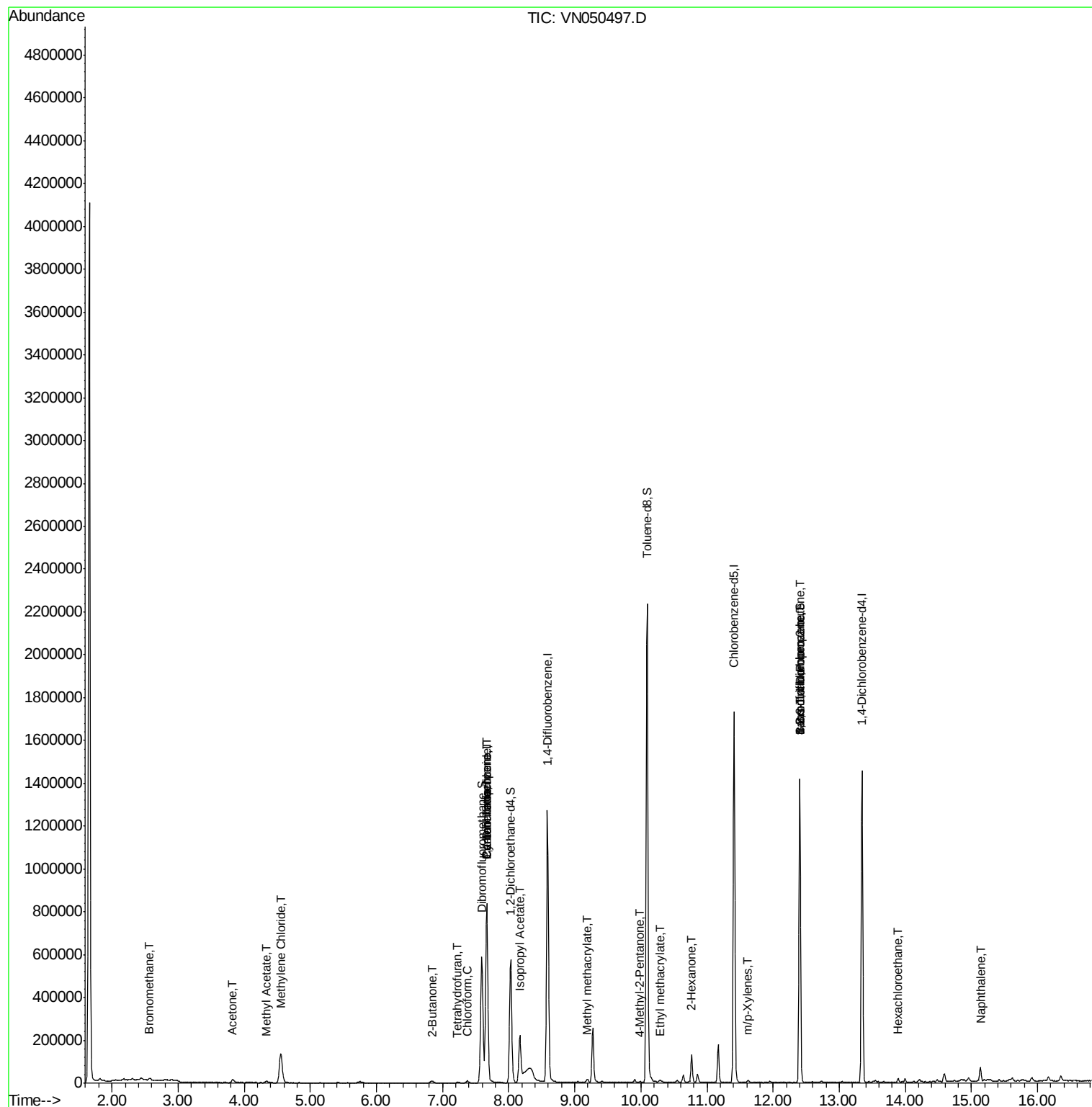
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3440	Below Cal		93
5) Bromomethane	2.56	94	4099	0.97 ug/l		100
16) Acetone	3.82	43	25240	8.30 ug/l		96
18) Methyl Acetate	4.33	43	15654	1.88 ug/l		95
20) Methylene Chloride	4.55	84	112066	11.35 ug/l		96
25) 2-Butanone	6.86	43	4469	0.92 ug/l		92
29) Tetrahydrofuran	7.22	42	1047	0.40 ug/l #		54
30) Chloroform	7.37	83	9730	0.61 ug/l		98
31) Cyclohexane	7.67	56	13197	0.31 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	49044	3.78 ug/l #		49
38) Carbon Tetrachloride	7.67	117	65322	4.82 ug/l #		17
43) Isopropyl Acetate	8.17	43	266061	16.48 ug/l		99
48) Methyl methacrylate	9.18	41	7936	0.98 ug/l #		24
51) 4-Methyl-2-Pentanone	9.99	43	2676	0.23 ug/l		96
56) Ethyl methacrylate	10.27	69	122	1.72 ug/l #		1
59) 2-Hexanone	10.77	43	17418	2.15 ug/l #		59
68) m/p-Xylenes	11.62	106	3893	0.24 ug/l		100
71) Bromoform	12.40	173	3533	0.51 ug/l #		1
76) 1,2,3-Trichloropropane	12.40	75	226114	30.49 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	226114	107.12 ug/l #		13
90) Hexachloroethane	13.89	117	1201	0.27 ug/l #		4
95) Naphthalene	15.14	128	58384	6.35 ug/l		99

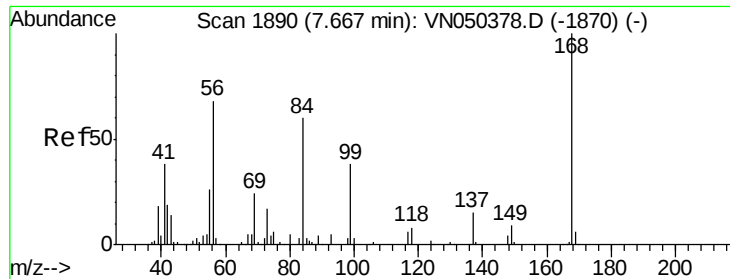
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN050497.D

Acq: 9 Aug 2018 19:59

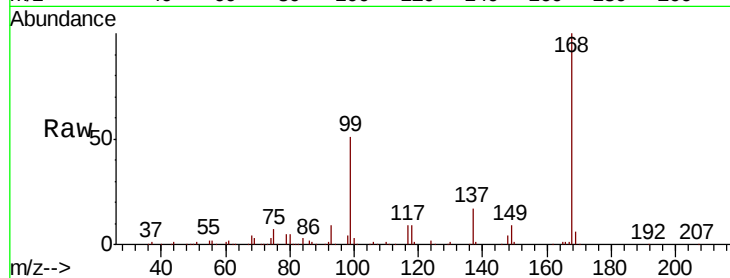
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 732646

Ion Ratio Lower Upper

168 100

99 51.1 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

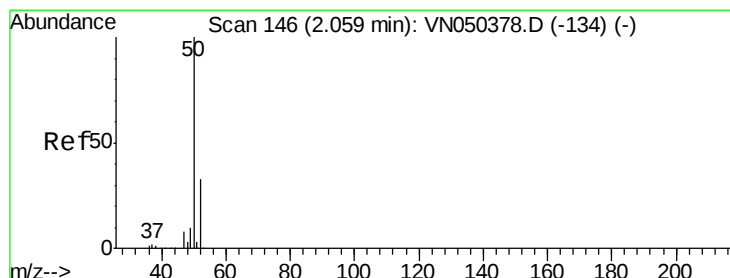
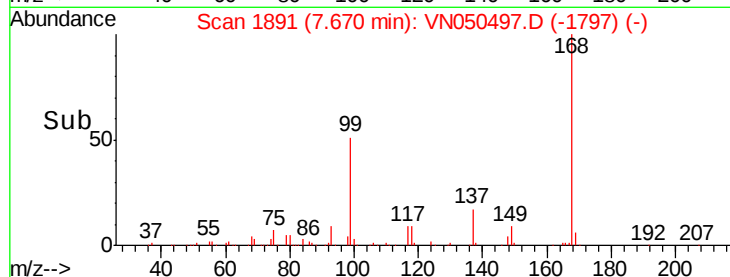
200000

100000

0

Time-->

7.60 7.70 7.80



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050497.D

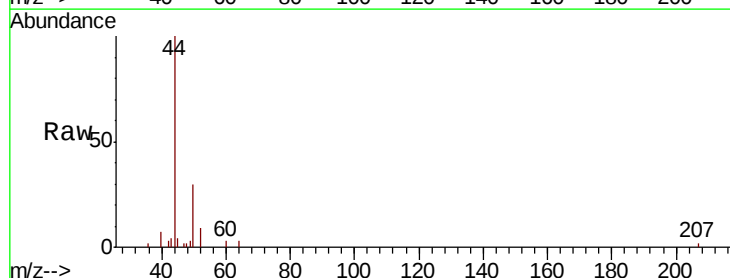
Acq: 9 Aug 2018 19:59

Tgt Ion: 50 Resp: 3440

Ion Ratio Lower Upper

50 100

52 28.6 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

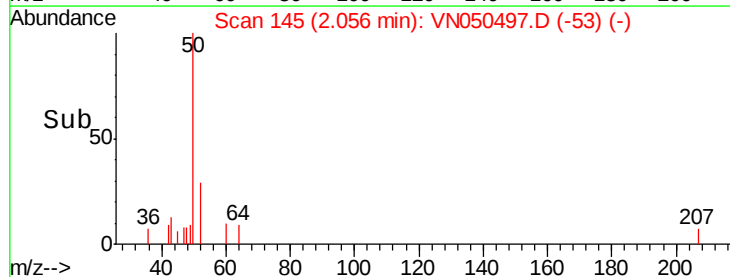
1000

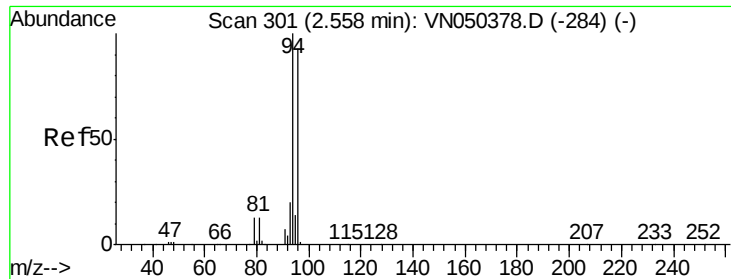
500

0

Time-->

2.00 2.05 2.10





#5

Bromomethane

Concen: 0.97 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050497.D

Acq: 9 Aug 2018 19:59

Instrument :

MSVOA_N

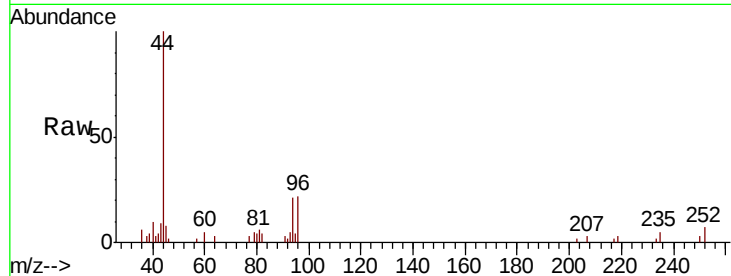
ClientSampleId :

Tot Ion: 94 Resp: 4099

Ion Ratio Lower Upper

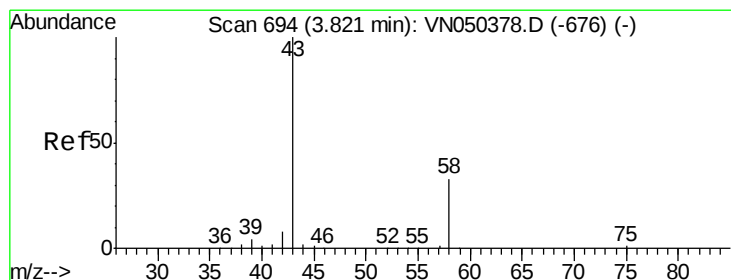
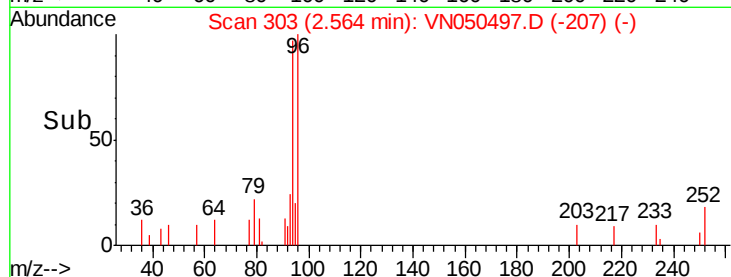
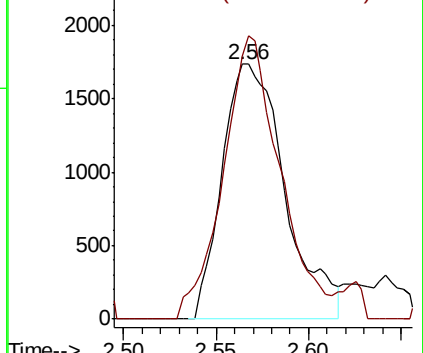
94 100

96 93.3 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#16

Acetone

Concen: 8.30 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050497.D

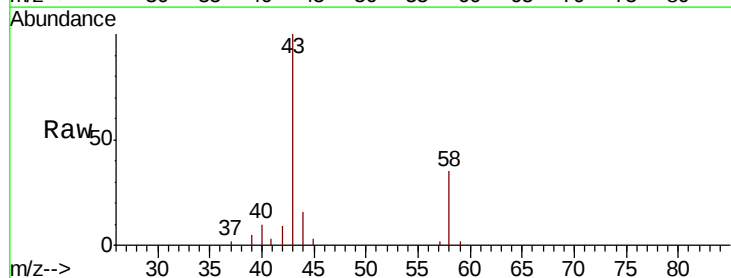
Acq: 9 Aug 2018 19:59

Tgt Ion: 43 Resp: 25240

Ion Ratio Lower Upper

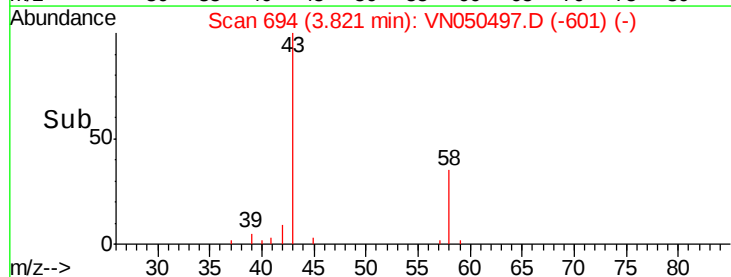
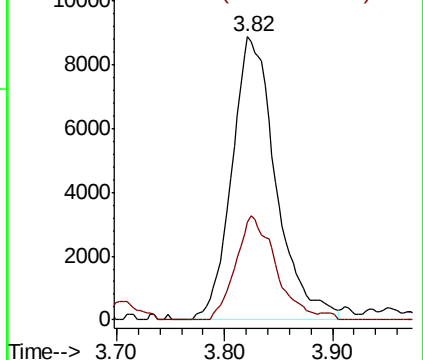
43 100

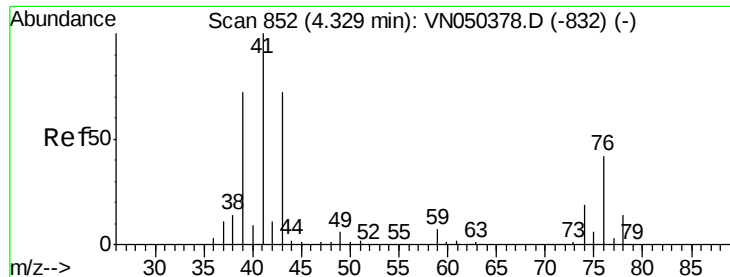
58 34.5 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

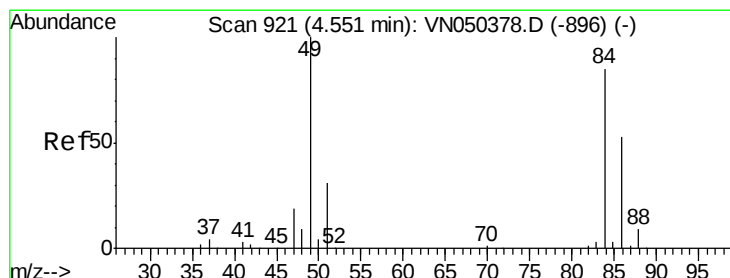
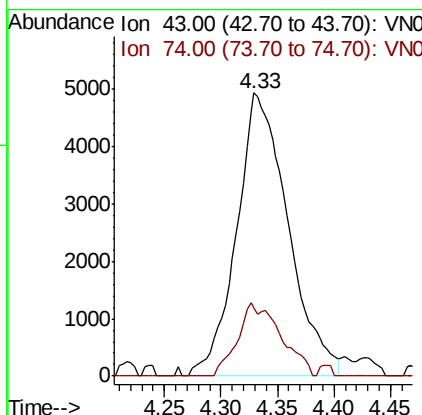
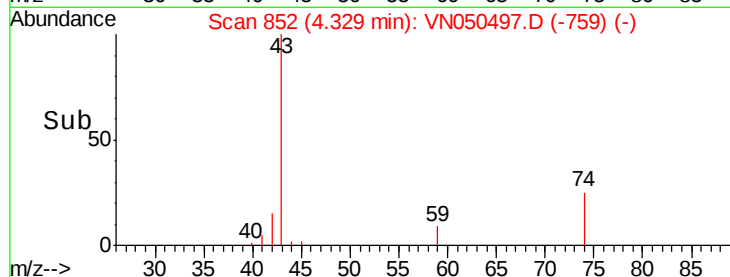
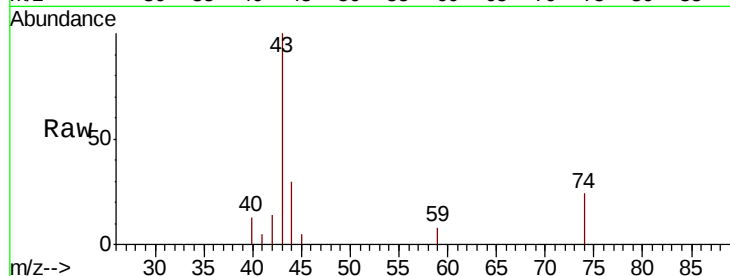




#18
Methyl Acetate
Concen: 1.88 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050497.D
Acq: 9 Aug 2018 19:59

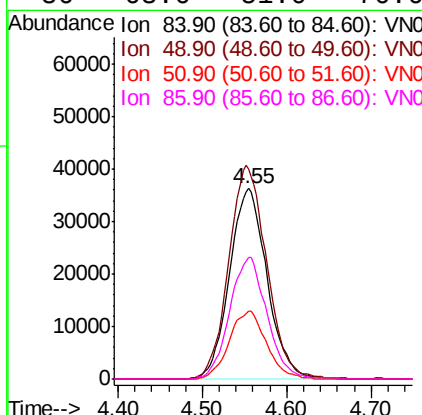
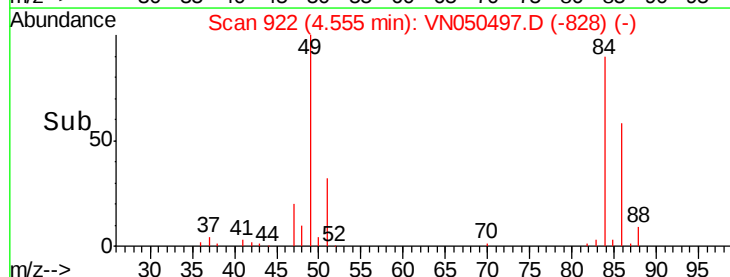
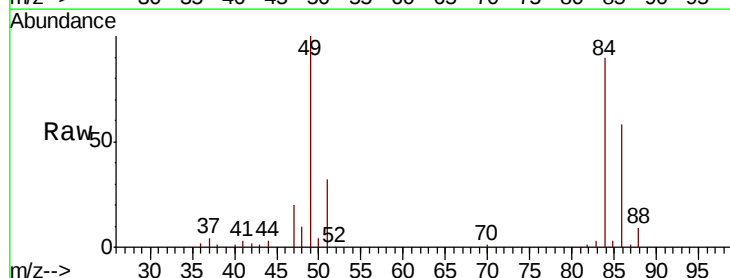
Instrument :
MSVOA_N
ClientSampled :

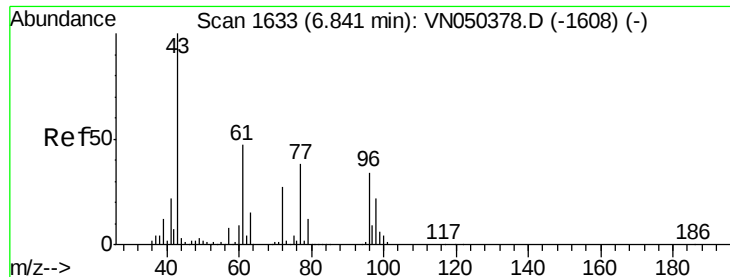
Tot Ion: 43 Resp: 15654
Ion Ratio Lower Upper
43 100
74 21.8 19.2 28.8



#20
Methylene Chloride
Concen: 11.35 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050497.D
Acq: 9 Aug 2018 19:59

Tgt Ion: 84 Resp: 112066
Ion Ratio Lower Upper
84 100
49 110.6 94.8 142.2
51 35.9 28.3 42.5
86 63.6 51.0 76.6





#25

2-Butanone

Concen: 0.92 ug/l

RT: 6.86 min Scan# 1639

Delta R.T. 0.02 min

Lab File: VN050497.D

Acq: 9 Aug 2018 19:59

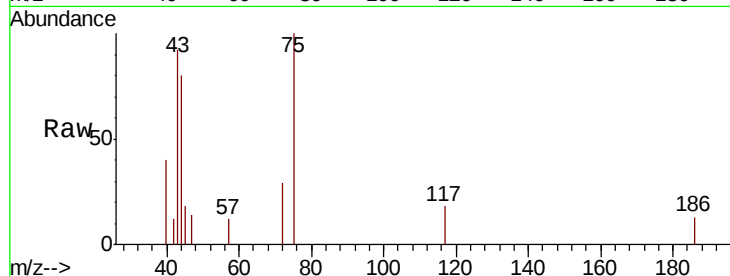
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 4469

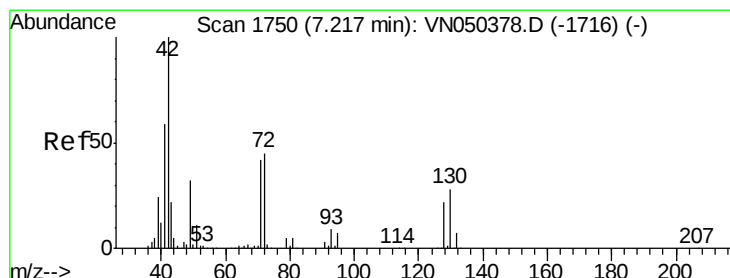
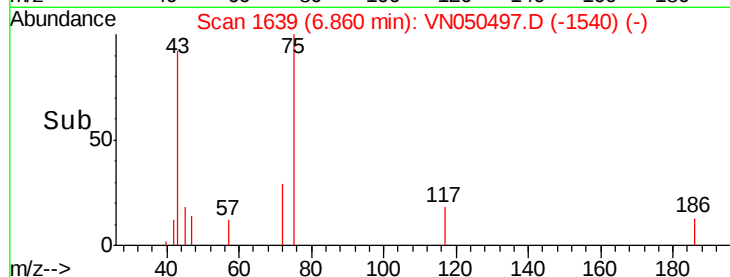
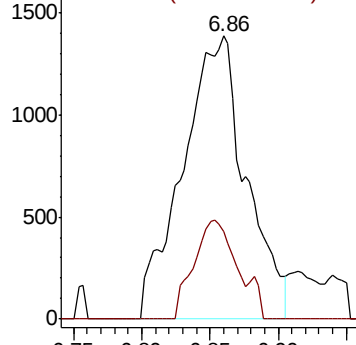
Ion Ratio Lower Upper

43 100

72 31.1 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0



#29

Tetrahydrofuran

Concen: 0.40 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050497.D

Acq: 9 Aug 2018 19:59

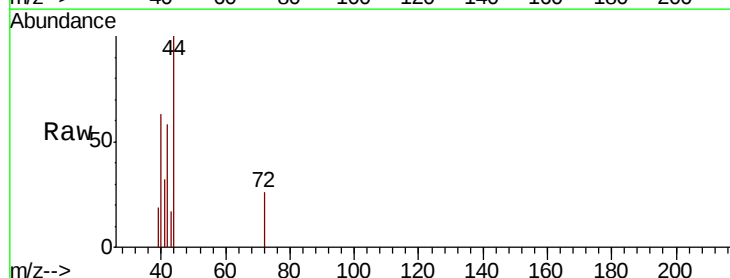
Tgt Ion: 42 Resp: 1047

Ion Ratio Lower Upper

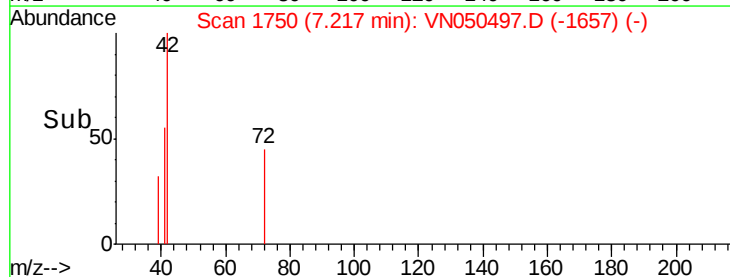
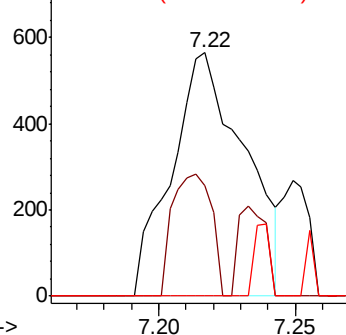
42 100

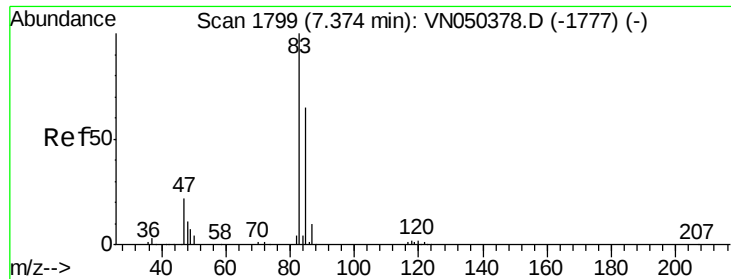
72 26.9 35.9 53.9#

71 0.0 33.7 50.5#



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

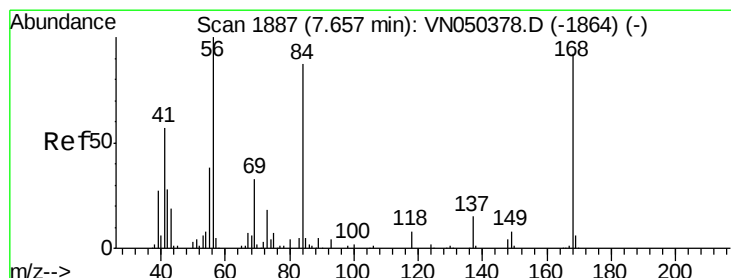
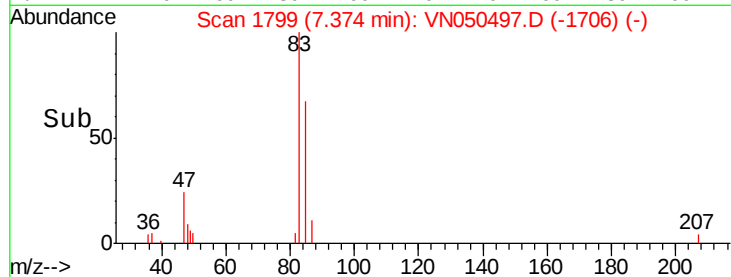
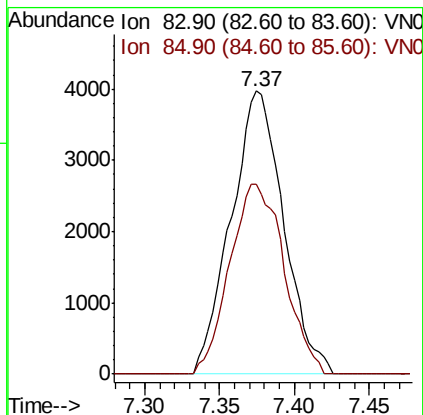
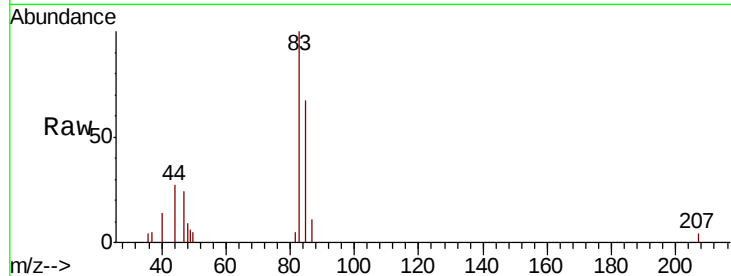




#30
Chloroform
Concen: 0.61 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050497.D
Acq: 9 Aug 2018 19:59

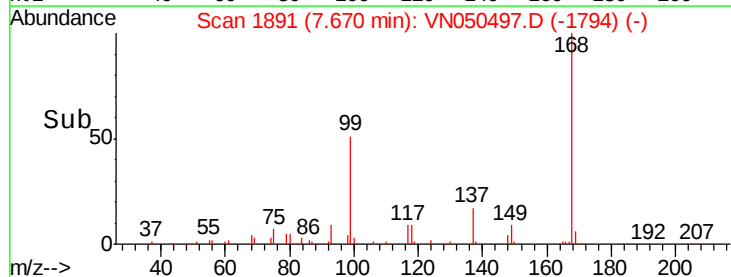
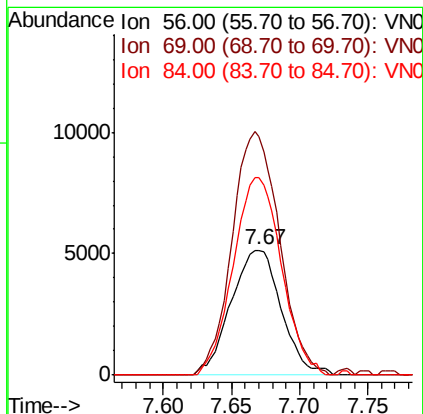
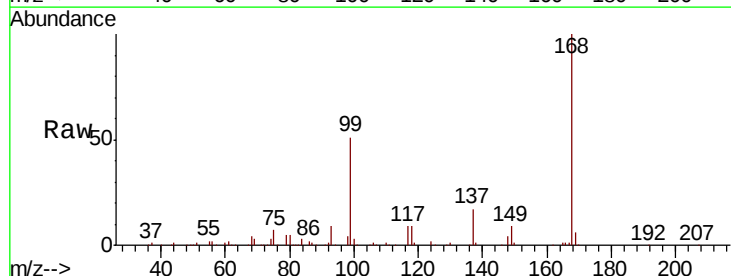
Instrument :
MSVOA_N
ClientSampled :

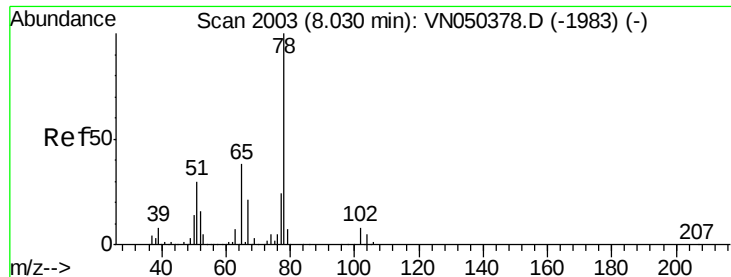
Tot Ion: 83 Resp: 9730
Ion Ratio Lower Upper
83 100
85 67.0 52.5 78.7



#31
Cyclohexane
Concen: 0.31 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.01 min
Lab File: VN050497.D
Acq: 9 Aug 2018 19:59

Tgt Ion: 56 Resp: 13197
Ion Ratio Lower Upper
56 100
69 191.0 26.2 39.4#
84 158.2 67.4 101.0#

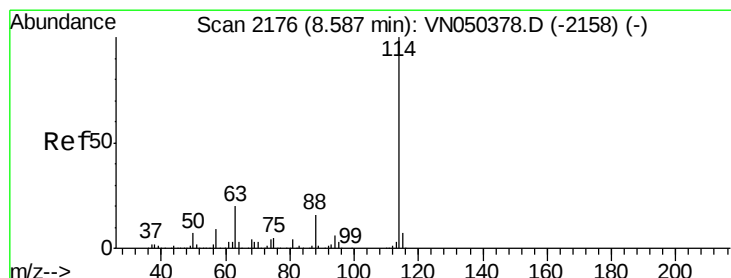
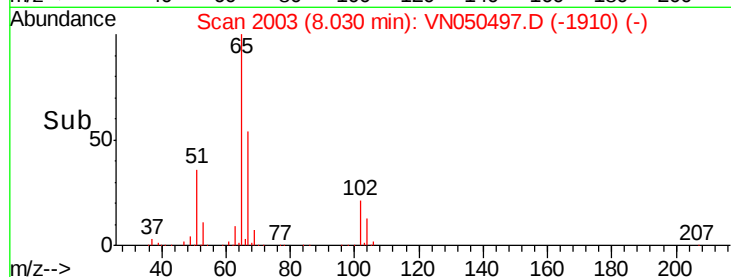
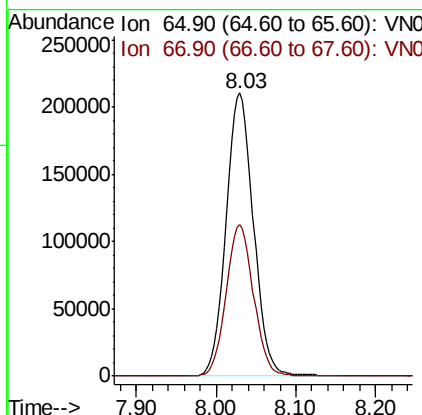
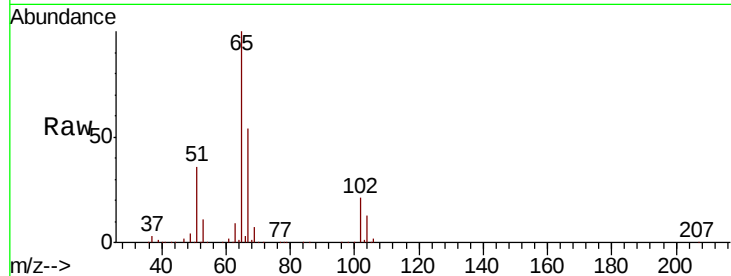




#33
 1,2-Dichloroethane-d4
 Concen: 50.44 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050497.D
 Acq: 9 Aug 2018 19:59

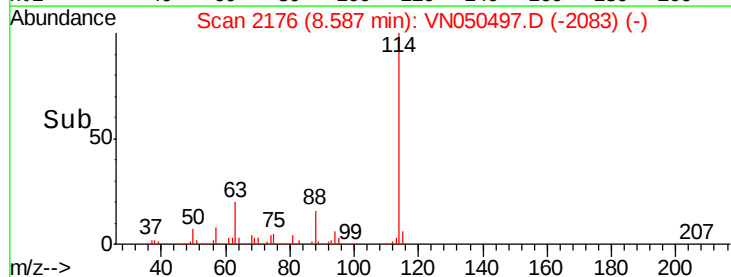
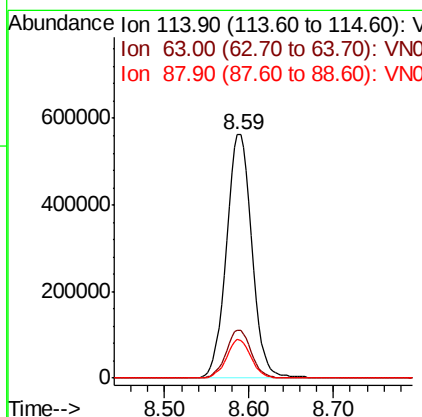
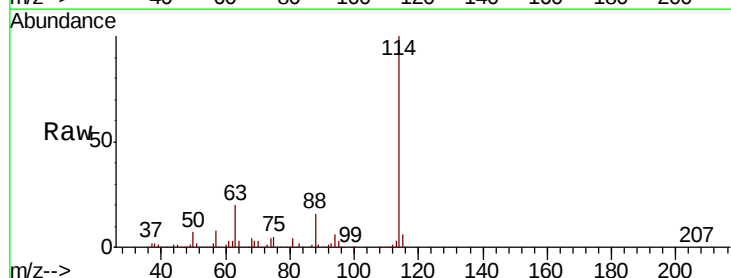
Instrument :
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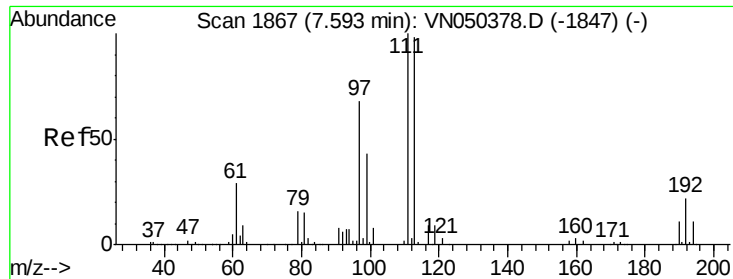
Tot Ion: 65 Resp: 493701
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050497.D
 Acq: 9 Aug 2018 19:59

Tgt Ion: 114 Resp: 1182246
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 15.7 0.0 31.2

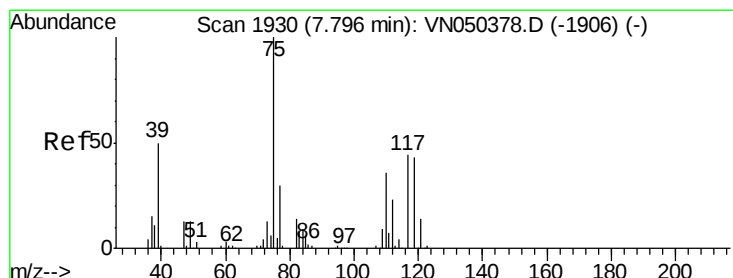
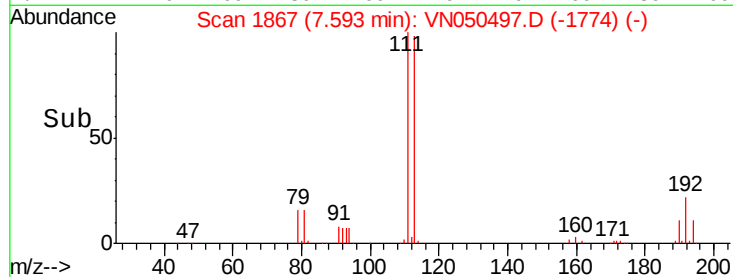
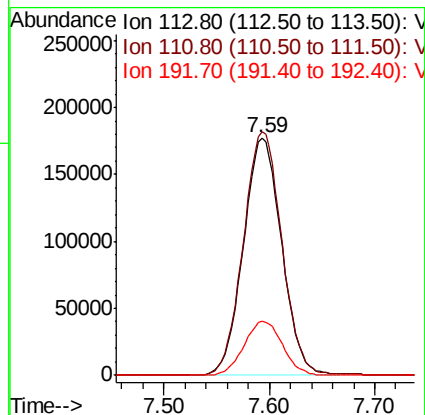
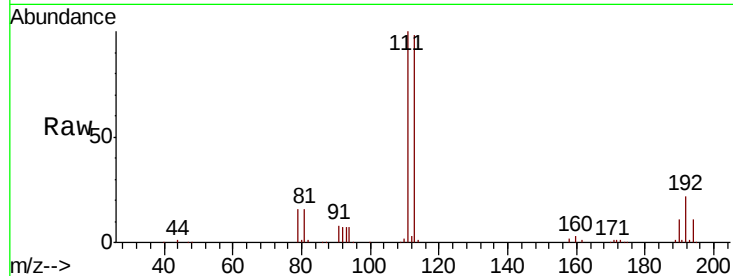




#35
 Dibromofluoromethane
 Concen: 47.24 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050497.D
 Acq: 9 Aug 2018 19:59

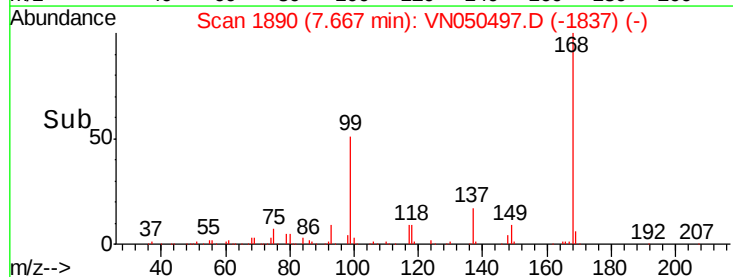
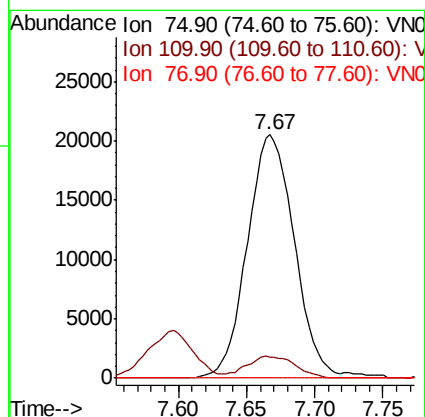
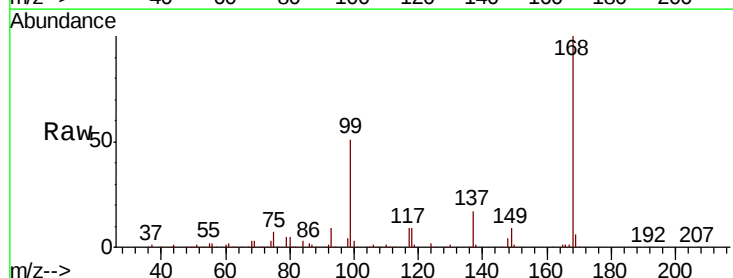
Instrument :
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 ClientSampled :

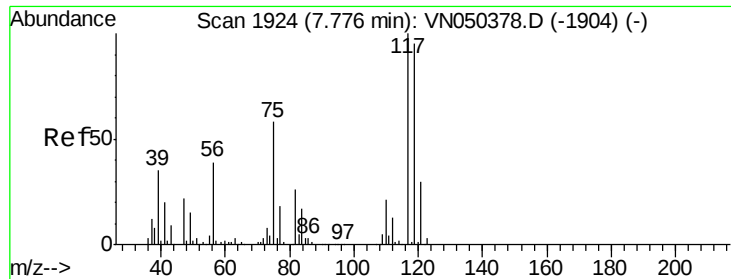
Tot Ion:113 Resp: 448130
 Ion Ratio Lower Upper
 113 100
 111 103.7 80.7 121.1
 192 23.0 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.78 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050497.D
 Acq: 9 Aug 2018 19:59

Tgt Ion: 75 Resp: 49044
 Ion Ratio Lower Upper
 75 100
 110 9.2 18.4 55.2#
 77 0.0 25.3 37.9#

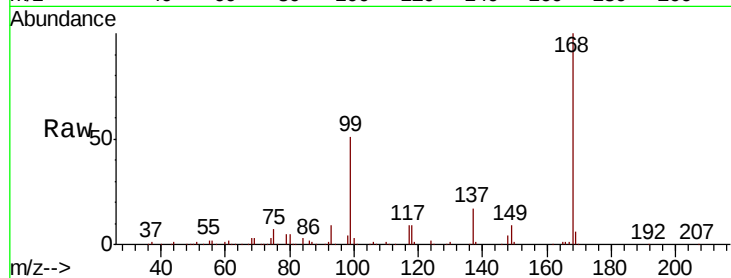




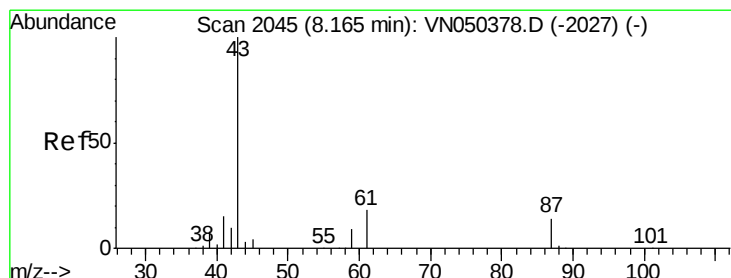
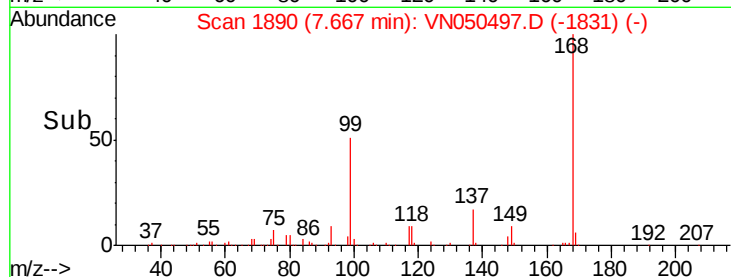
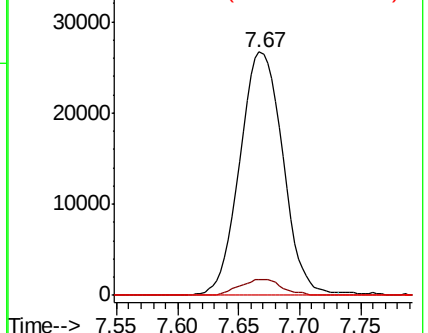
#38
Carbon Tetrachloride
Concen: 4.82 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050497.D
Acq: 9 Aug 2018 19:59

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 65322
Ion Ratio Lower Upper
117 100
119 6.7 77.4 116.0#
121 0.0 23.9 35.9#

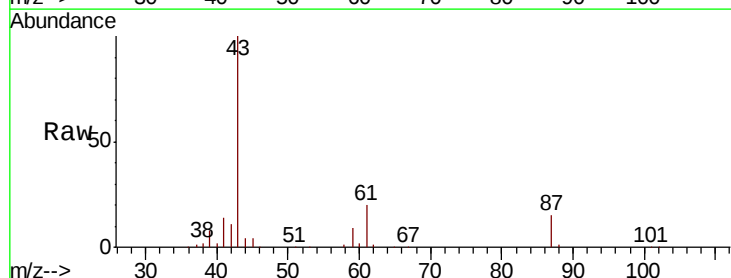


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

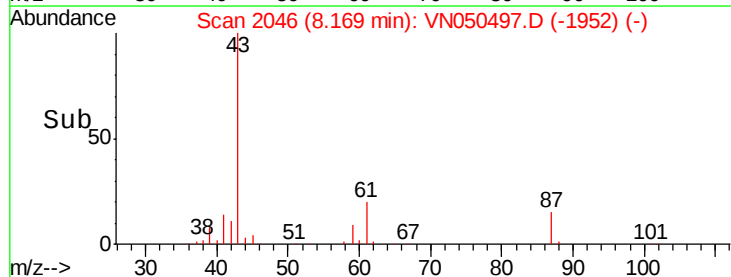
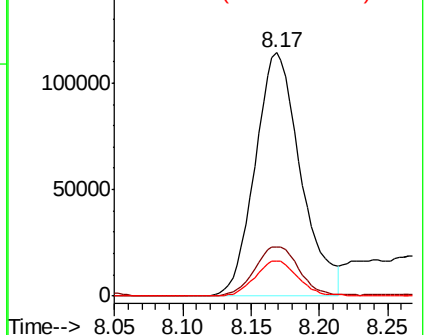


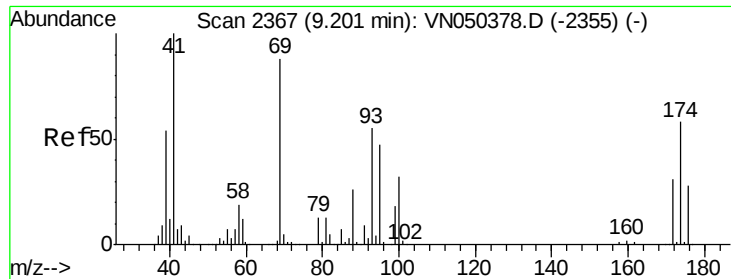
#43
Isopropyl Acetate
Concen: 16.48 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050497.D
Acq: 9 Aug 2018 19:59

Tgt Ion: 43 Resp: 266061
Ion Ratio Lower Upper
43 100
61 19.8 15.8 23.6
87 13.5 10.3 15.5



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

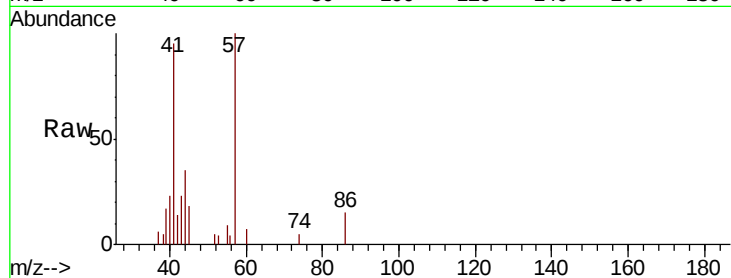




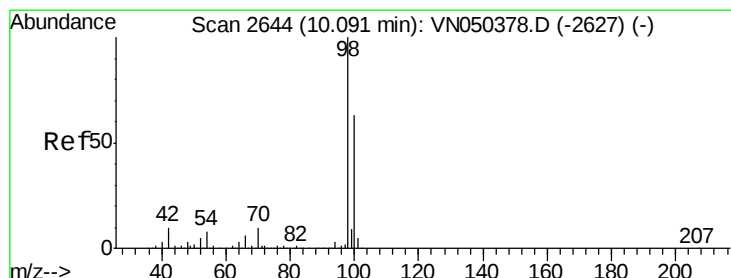
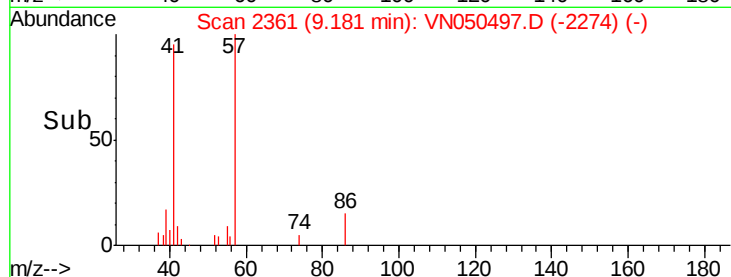
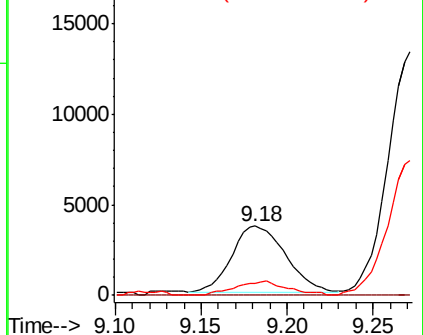
#48
Methyl methacrylate
Concen: 0.98 ug/l
RT: 9.18 min Scan# 2361
Delta R.T. -0.02 min
Lab File: VN050497.D
Acq: 9 Aug 2018 19:59

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 7936
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 21.1 43.9 65.9#

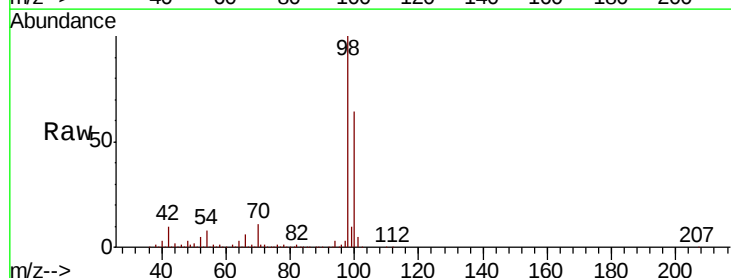


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

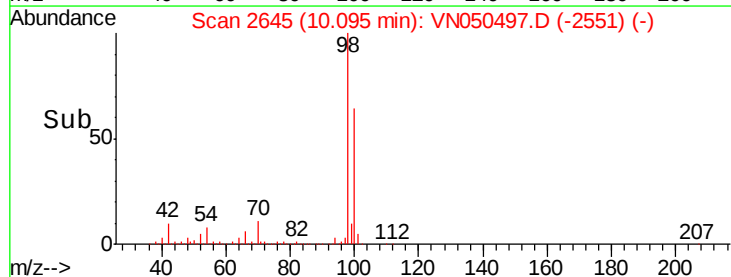
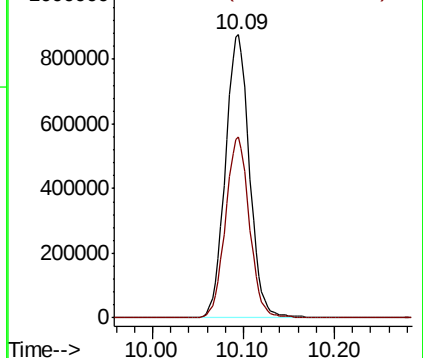


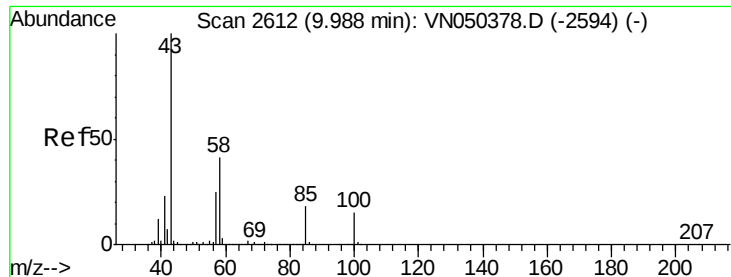
#50
Toluene-d8
Concen: 45.29 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050497.D
Acq: 9 Aug 2018 19:59

Tgt Ion: 98 Resp: 1615190
Ion Ratio Lower Upper
98 100
100 63.5 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

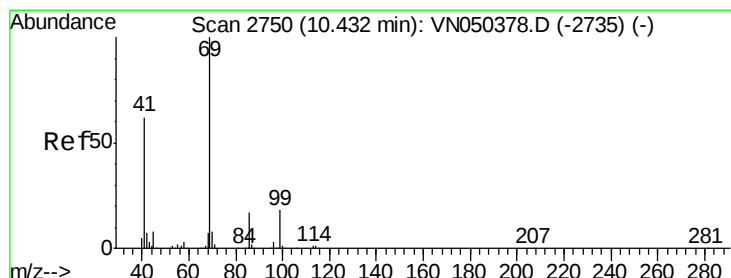
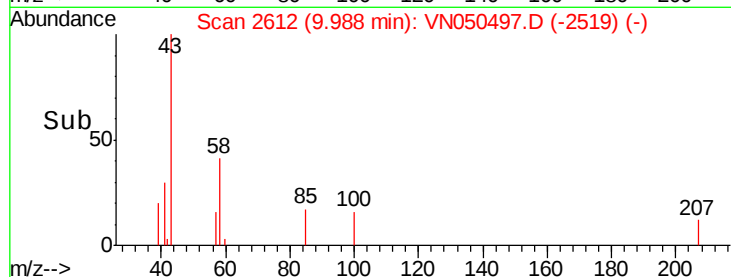
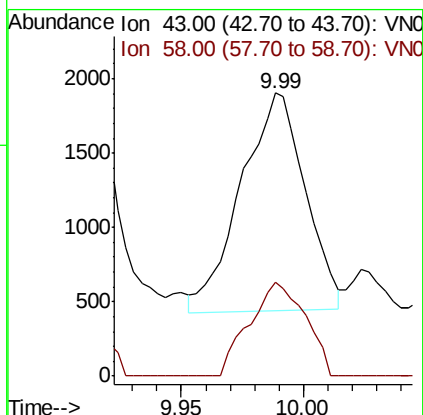
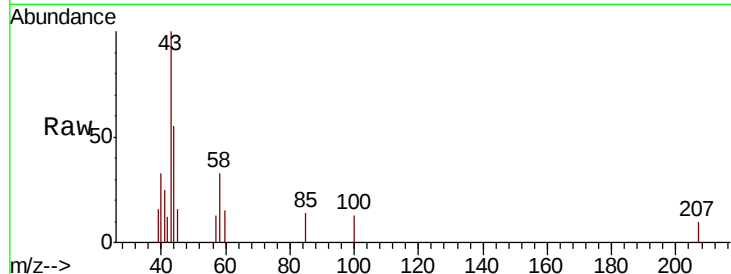




#51
4-Methyl-2-Pentanone
Concen: 0.23 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050497.D
Acq: 9 Aug 2018 19:59

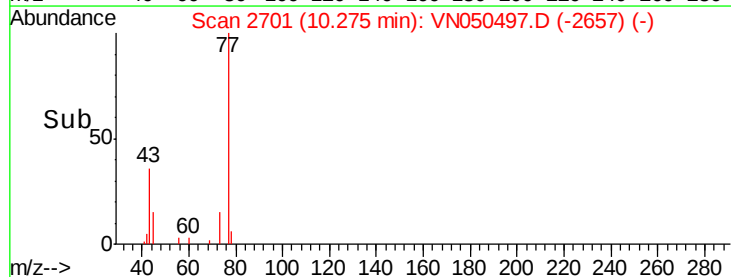
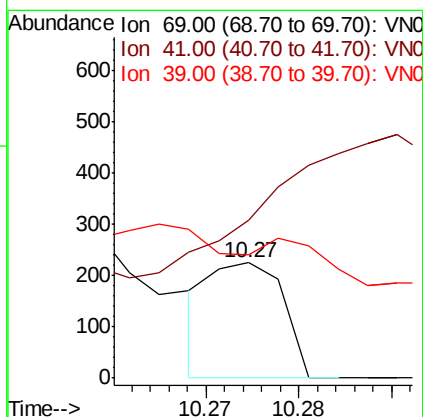
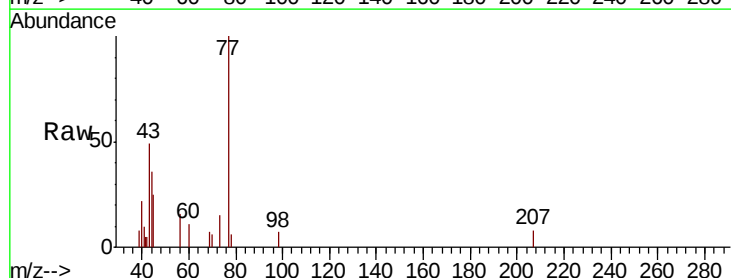
Instrument :
MSVOA_N
ClientSampleId :

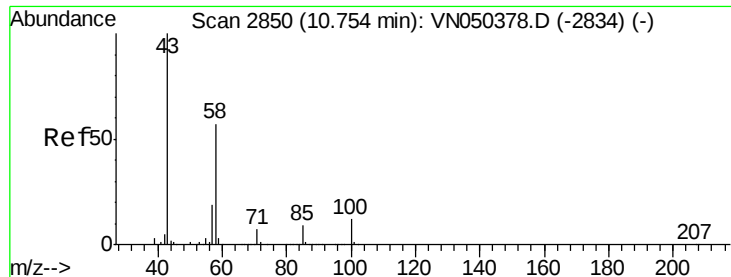
Tot Ion: 43 Resp: 2676
Ion Ratio Lower Upper
43 100
58 37.5 31.9 47.9



#56
Ethyl methacrylate
Concen: 1.72 ug/l
RT: 10.27 min Scan# 2701
Delta R.T. -0.16 min
Lab File: VN050497.D
Acq: 9 Aug 2018 19:59

Tgt Ion: 69 Resp: 122
Ion Ratio Lower Upper
69 100
41 711.5 51.0 76.4#
39 0.0 26.6 40.0#

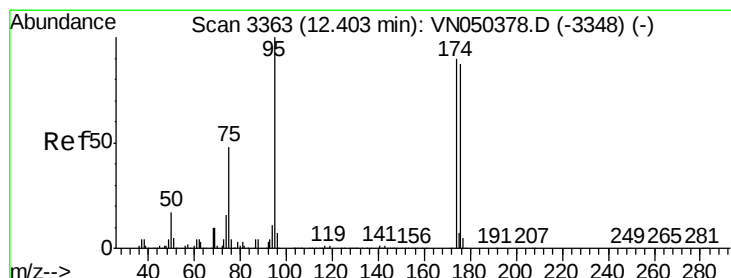
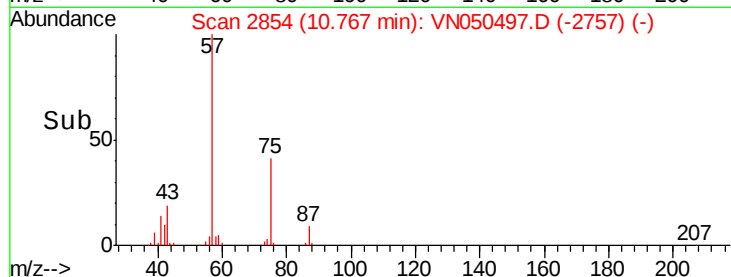
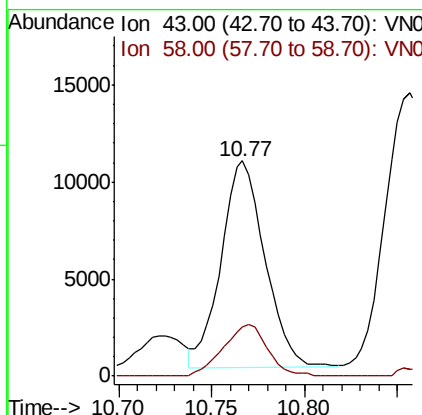
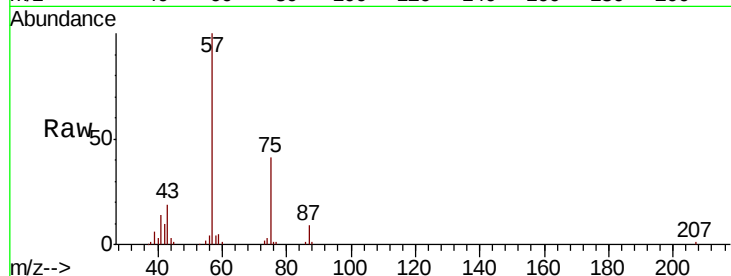




#59
2-Hexanone
Concen: 2.15 ug/l
RT: 10.77 min Scan# 2854
Delta R.T. 0.01 min
Lab File: VN050497.D
Acq: 9 Aug 2018 19:59

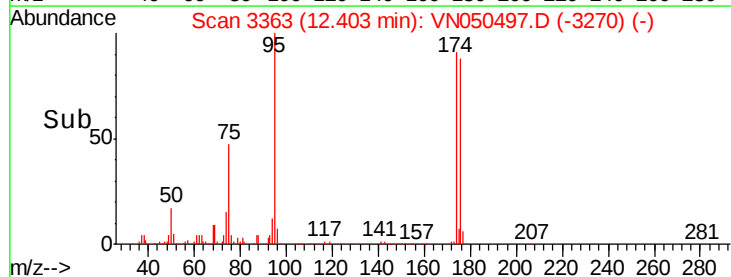
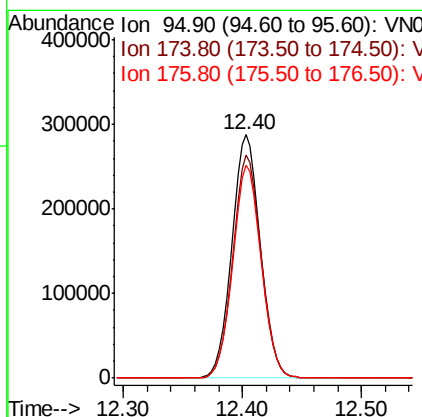
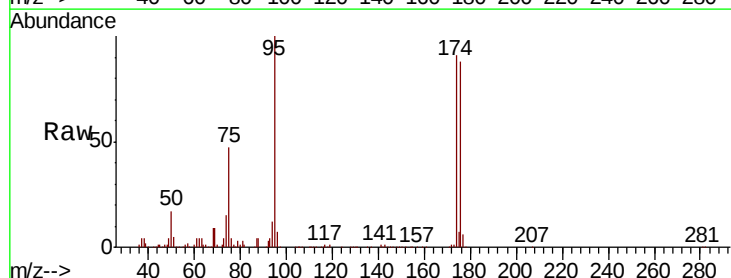
Instrument :
MSVOA_N
ClientSampleId :

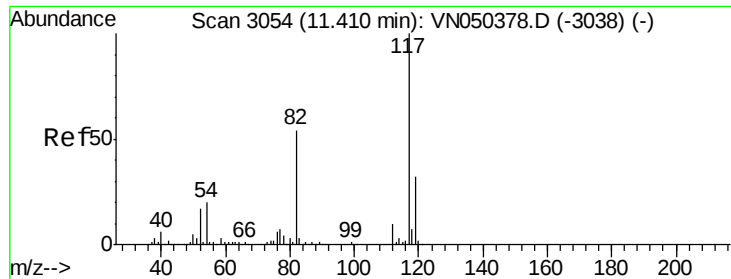
Tot Ion: 43 Resp: 17418
Ion Ratio Lower Upper
43 100
58 25.3 27.6 82.7#



#62
4-Bromofluorobenzene
Concen: 39.11 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050497.D
Acq: 9 Aug 2018 19:59

Tgt Ion: 95 Resp: 475363
Ion Ratio Lower Upper
95 100
174 91.4 0.0 178.2
176 87.5 0.0 173.4

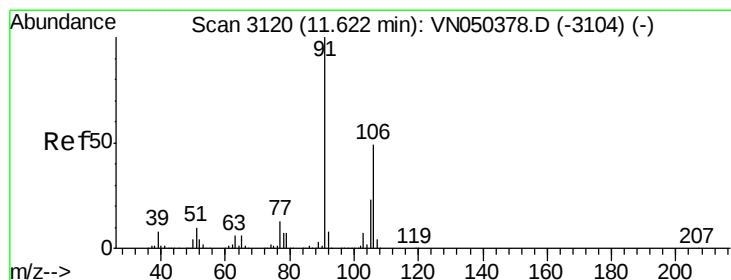
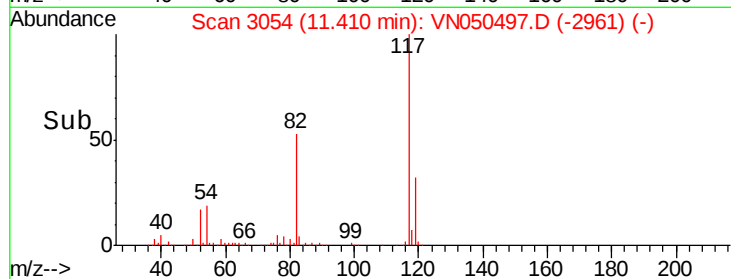
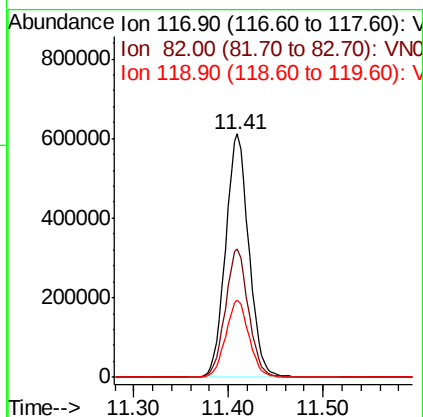
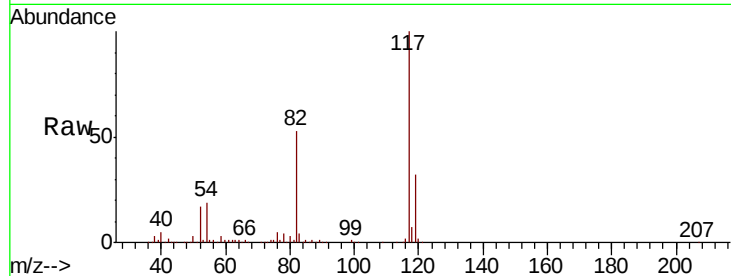




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050497.D
Acq: 9 Aug 2018 19:59

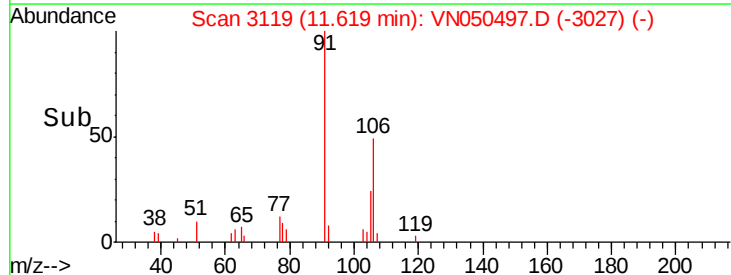
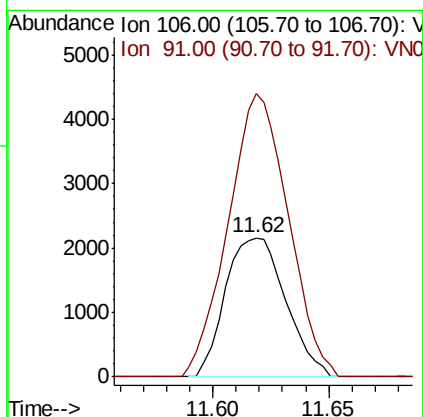
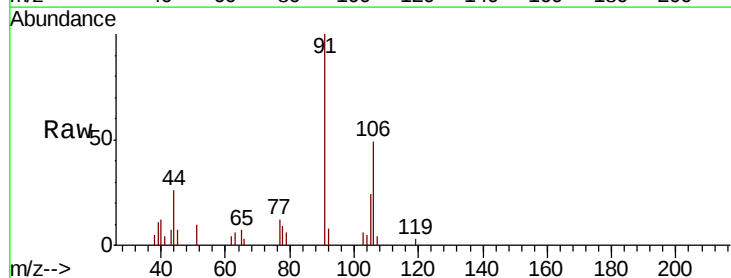
Instrument :
MSVOA_N
ClientSampled :

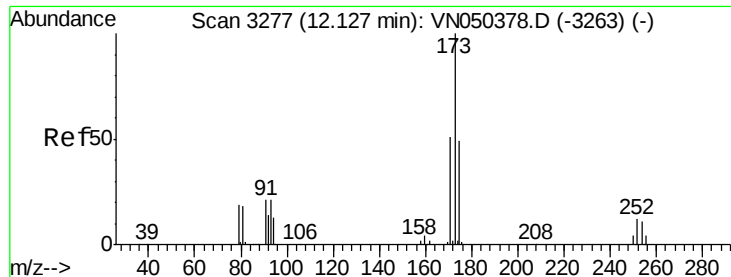
Tot Ion:117 Resp: 1044442
Ion Ratio Lower Upper
117 100
82 52.8 43.7 65.5
119 31.8 26.1 39.1



#68
m/p-Xylenes
Concen: 0.24 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN050497.D
Acq: 9 Aug 2018 19:59

Tgt Ion:106 Resp: 3893
Ion Ratio Lower Upper
106 100
91 202.9 162.2 243.2





#71

Bromoform

Concen: 0.51 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN050497.D

Acq: 9 Aug 2018 19:59

Instrument :

MSVOA_N

ClientSampled :

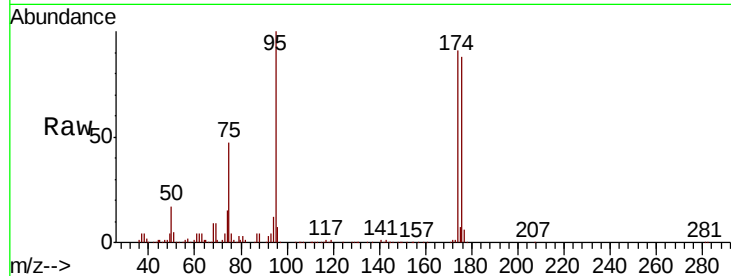
Tot Ion:173 Resp: 3533

Ion Ratio Lower Upper

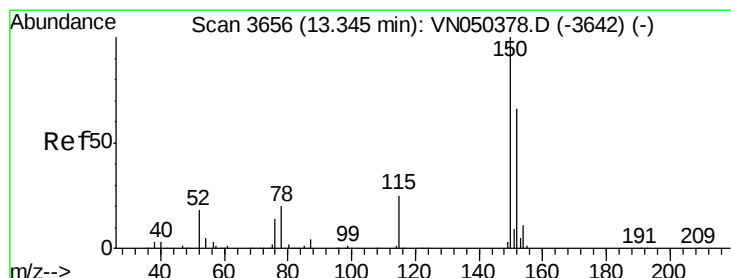
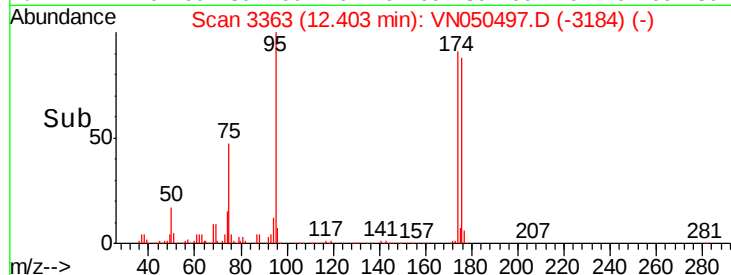
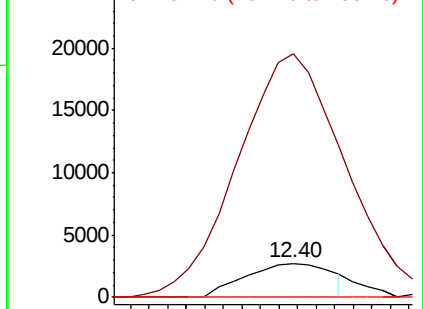
173 100

175 758.2 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: VN050497.D

Acq: 9 Aug 2018 19:59

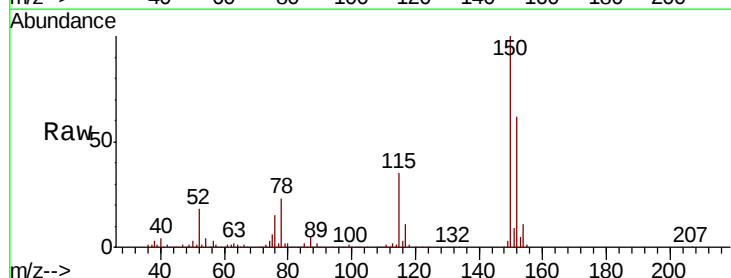
Tgt Ion:152 Resp: 409725

Ion Ratio Lower Upper

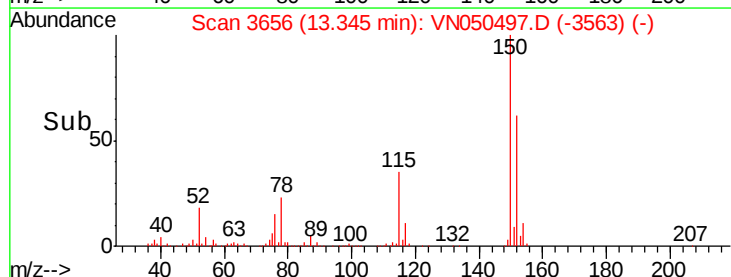
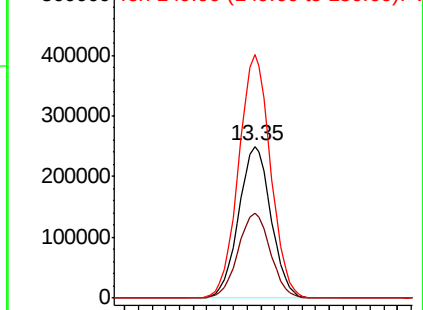
152 100

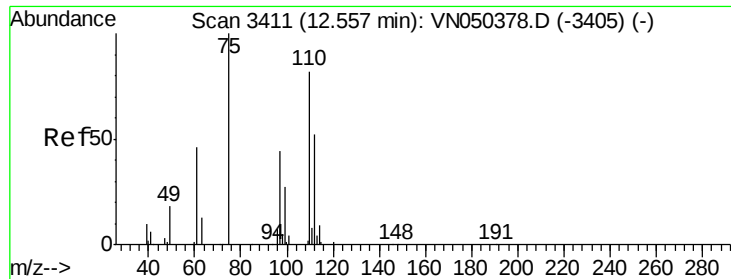
115 56.1 27.8 83.3

150 158.6 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

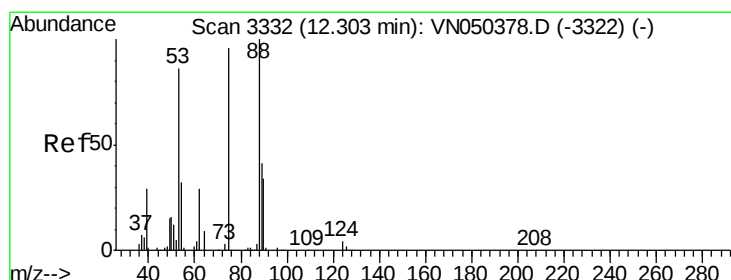
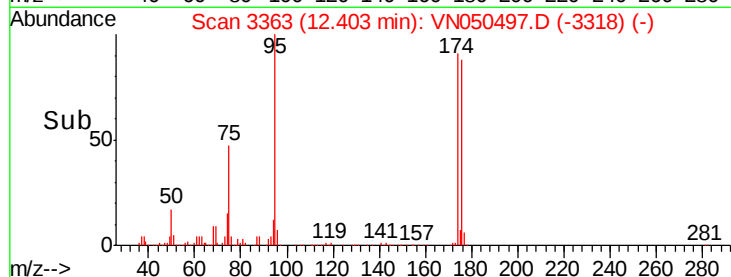
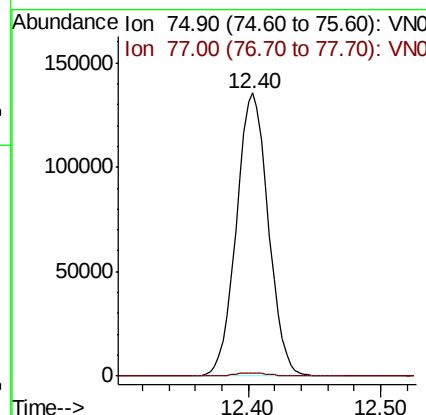
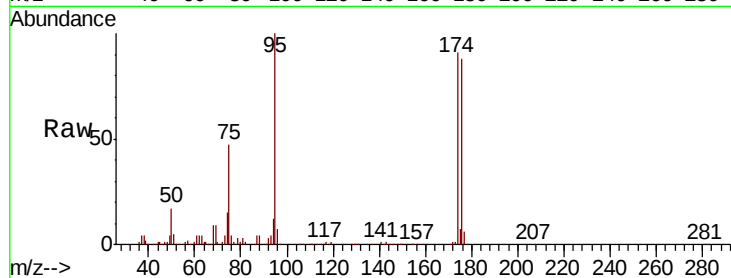




#76
 1,2,3-Trichloropropane
 Concen: 30.49 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.15 min
 Lab File: VN050497.D
 Acq: 9 Aug 2018 19:59

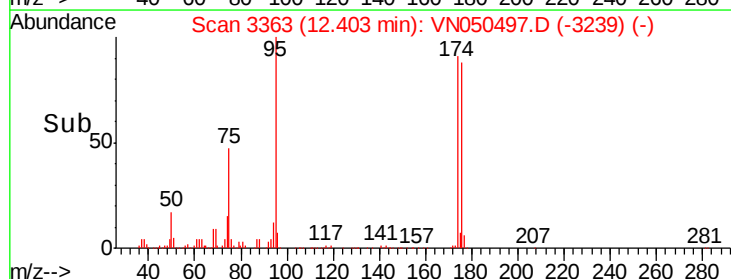
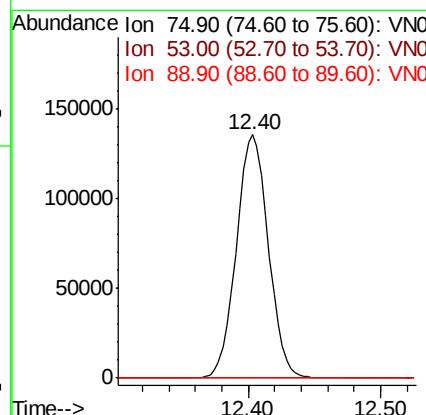
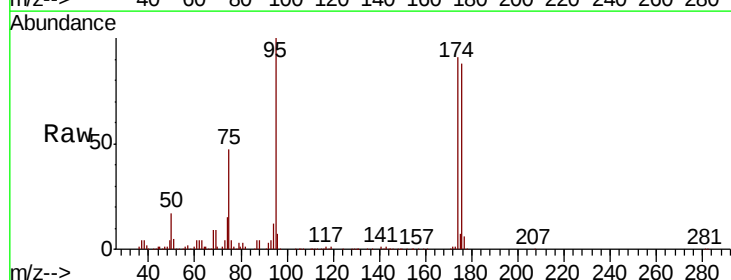
Instrument :
 MSVOA_N
 ClientSampleId :

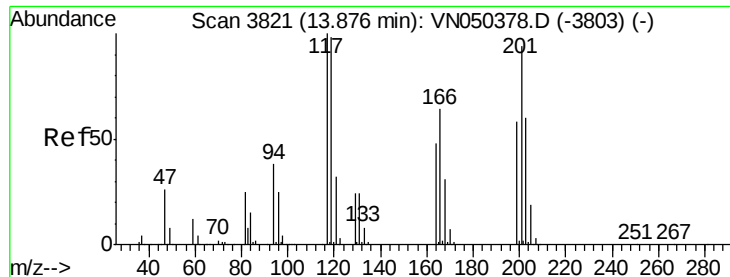
Tot Ion: 75 Resp: 226114
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 107.12 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.10 min
 Lab File: VN050497.D
 Acq: 9 Aug 2018 19:59

Tgt Ion: 75 Resp: 226114
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.5 110.3#
 89 0.0 36.0 54.0#





#90

Hexachloroethane

Concen: 0.27 ug/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN050497.D

Acq: 9 Aug 2018 19:59

Instrument :

MSVOA_N

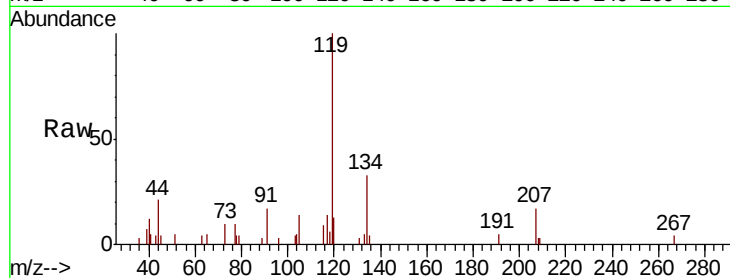
ClientSampleId :

Tot Ion:117 Resp: 1201

Ion Ratio Lower Upper

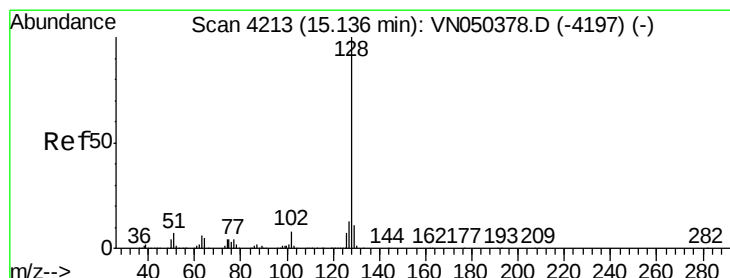
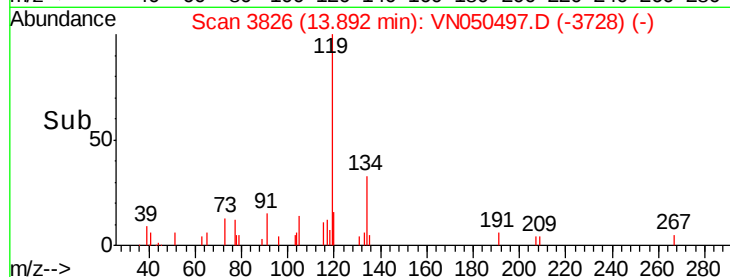
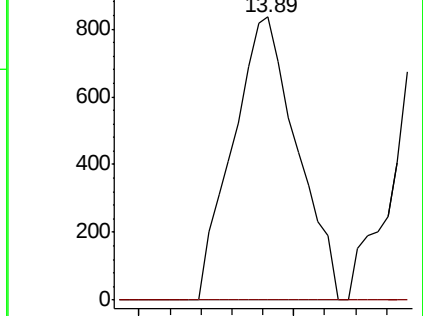
117 100

201 0.0 45.6 136.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 6.35 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050497.D

Acq: 9 Aug 2018 19:59

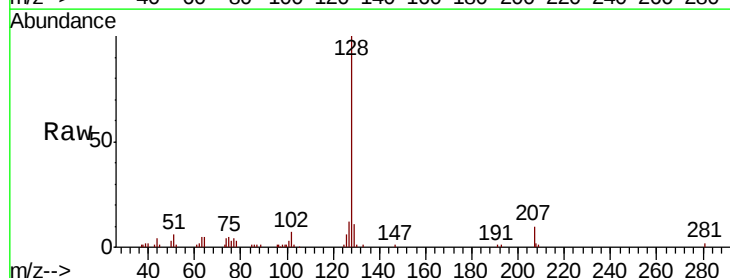
Tgt Ion:128 Resp: 58384

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

129 11.2 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

