

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112118\
 Data File : VN052443.D
 Acq On : 21 Nov 2018 17:24
 Operator : MD\SY
 Sample : J5768-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 23:59:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	313703	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	530473	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	456114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152038	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	236867	53.46	ug/l	0.00
Spiked Amount			Recovery	=	106.92%	
35) Dibromofluoromethane	7.59	113	174694	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
50) Toluene-d8	10.09	98	668636	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
62) 4-Bromofluorobenzene	12.40	95	196848	44.46	ug/l	0.00
Spiked Amount			Recovery	=	88.92%	

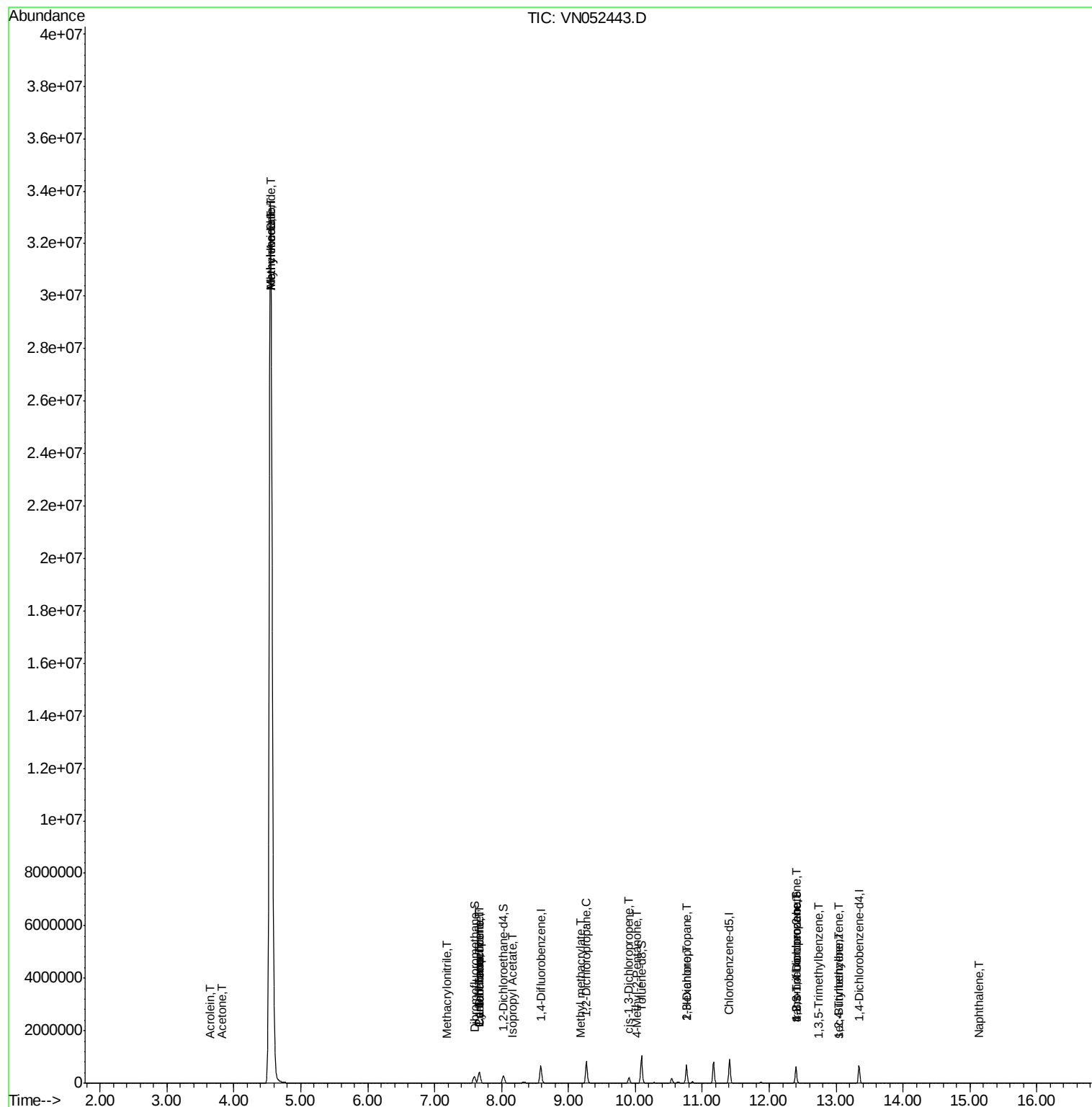
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.64	56	107	22.047	ug/l #	14
14) Allyl chloride	4.55	41	1048345	158.102	ug/l #	23
16) Acetone	3.82	43	9395	7.701	ug/l #	83
18) Methyl Acetate	4.55	43	112820	33.150	ug/l	99
20) Methylene Chloride	4.55	84	21566596	5892.906	ug/l	87
31) Cyclohexane	7.67	56	9770	0.398	ug/l #	14
36) 1,1-Dichloropropene	7.67	75	29853	5.615	ug/l #	52
38) Carbon Tetrachloride	7.67	117	35981	7.366	ug/l #	15
41) Methacrylonitrile	7.19	41	235	3.797	ug/l #	100
43) Isopropyl Acetate	8.17	43	22440	3.014	ug/l #	91
45) 1,2-Dichloropropane	9.26	63	1132	0.263	ug/l #	44
48) Methyl methacrylate	9.18	41	5864	1.552	ug/l #	16
51) 4-Methyl-2-Pentanone	10.03	43	8451	2.255	ug/l #	41
54) cis-1,3-Dichloropropene	9.90	75	30751	5.223	ug/l #	78
57) 1,3-Dichloropropane	10.76	76	6509	1.116	ug/l #	43
59) 2-Hexanone	10.76	43	116696	45.265	ug/l #	55
76) 1,2,3-Trichloropropane	12.40	75	116973	45.342	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2554	0.263	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.40	75	116973	147.061	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.04	105	2497	0.256	ug/l	96
85) sec-Butylbenzene	13.04	105	2497	0.214	ug/l #	58
95) Naphthalene	15.14	128	5794	3.625	ug/l #	91

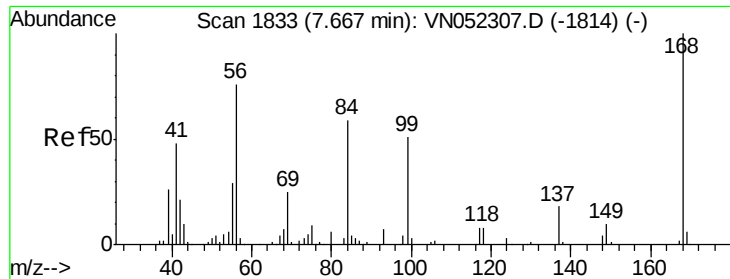
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 21 23:59:26 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052443.D

Acq: 21 Nov 2018 17:24

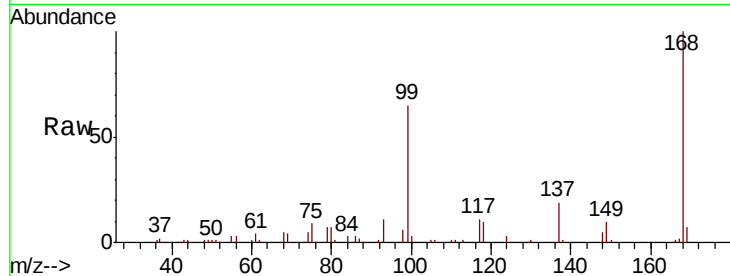
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 313703

Ion Ratio Lower Upper

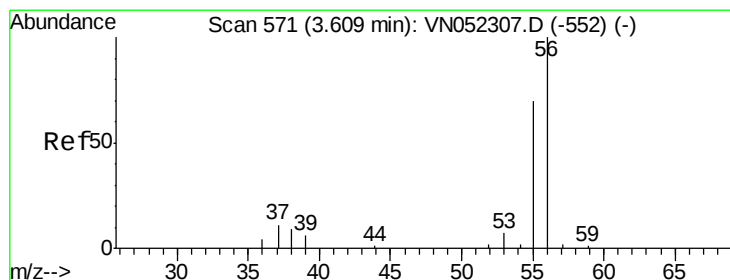
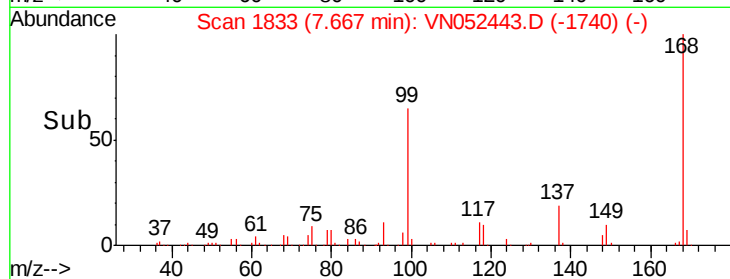
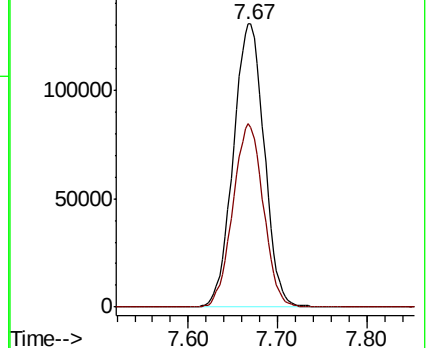
168 100

99 64.6 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#13

Acrolein

Concen: 22.047 ug/l

RT: 3.64 min Scan# 579

Delta R.T. 0.03 min

Lab File: VN052443.D

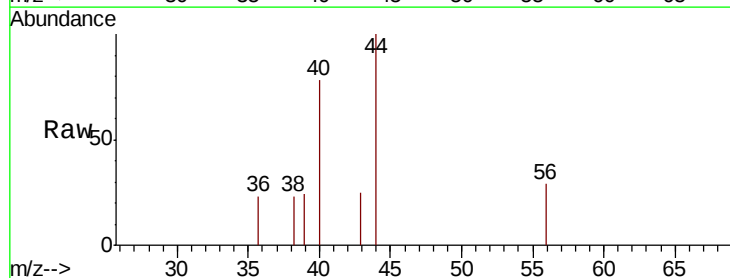
Acq: 21 Nov 2018 17:24

Tgt Ion: 56 Resp: 107

Ion Ratio Lower Upper

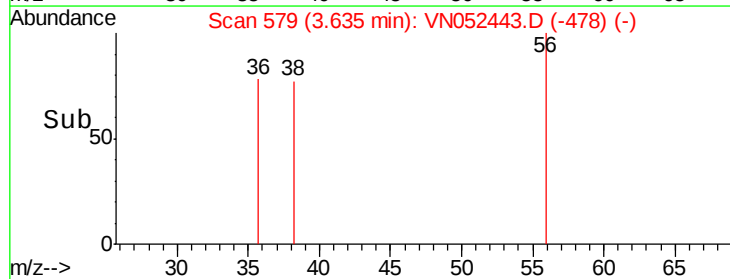
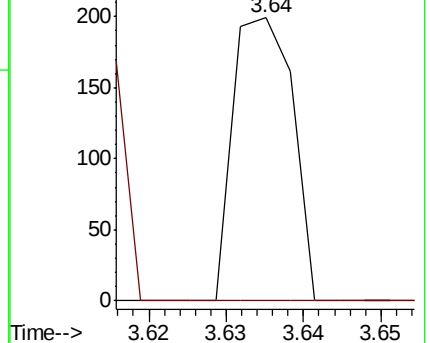
56 100

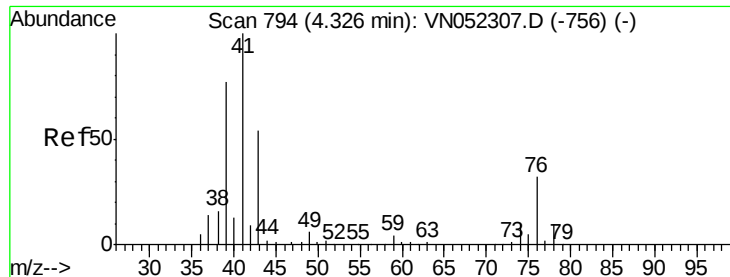
55 0.0 57.6 86.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#14

Allvl chloride

Concen: 158.102 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.22 min

Lab File: VN052443.D

Acq: 21 Nov 2018 17:24

Instrument :

MSVOA_N

ClientSampleId :

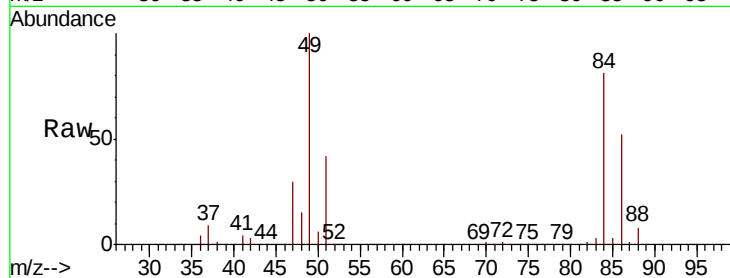
Tot Ion: 41 Resp: 1048345

Ion Ratio Lower Upper

41 100

39 1.7 59.1 88.7#

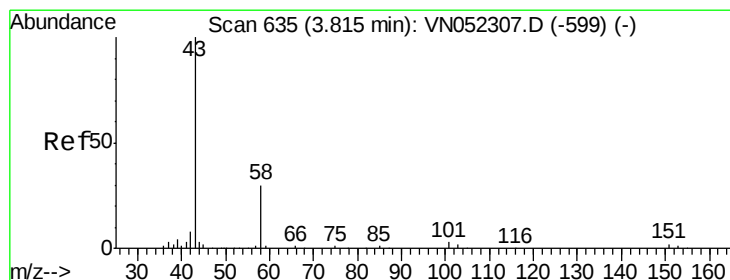
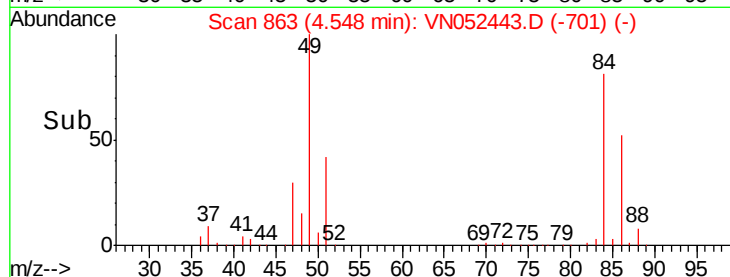
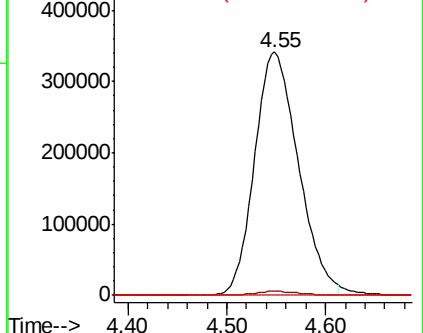
76 0.0 24.1 36.1#



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: 7.701 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052443.D

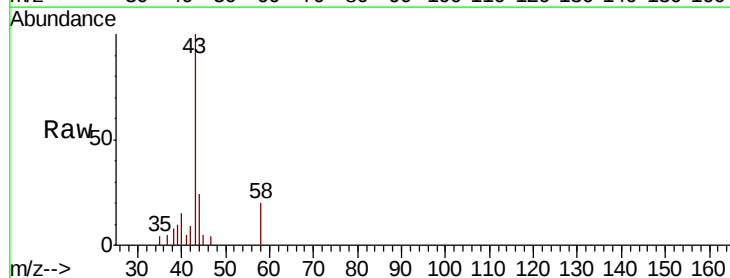
Acq: 21 Nov 2018 17:24

Tgt Ion: 43 Resp: 9395

Ion Ratio Lower Upper

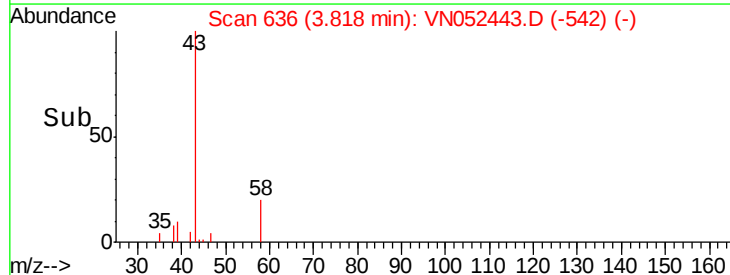
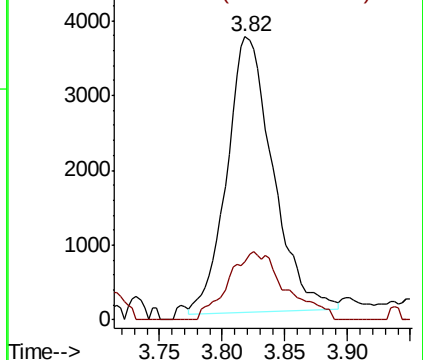
43 100

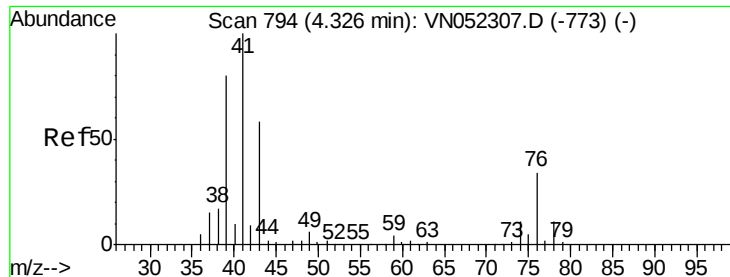
58 21.3 24.2 36.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

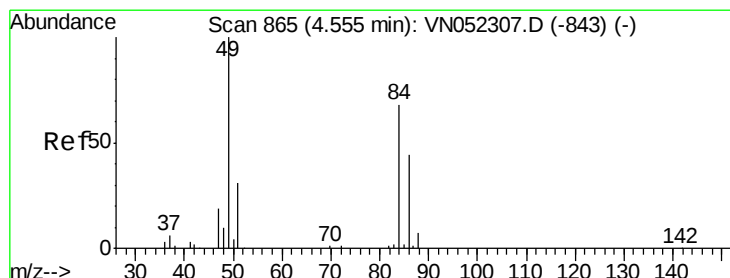
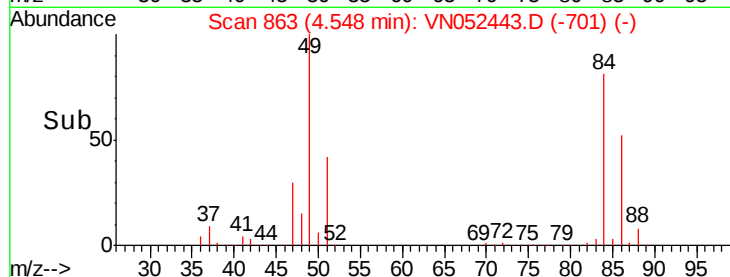
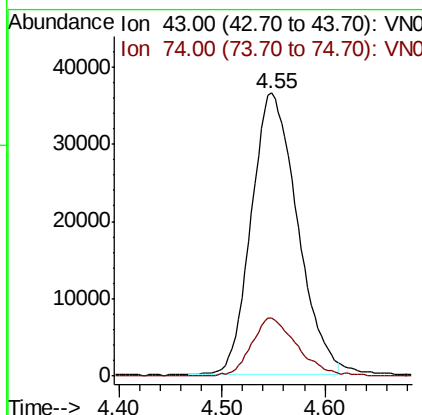
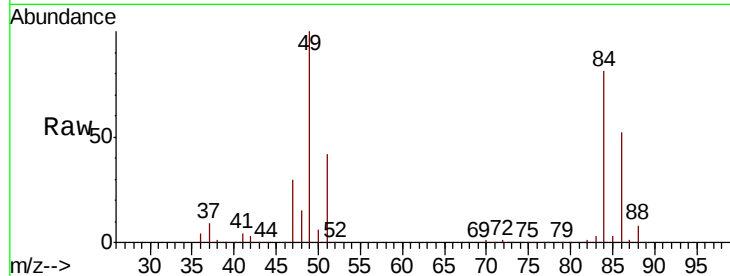




#18
Methyl Acetate
Concen: 33.150 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.22 min
Lab File: VN052443.D
Acq: 21 Nov 2018 17:24

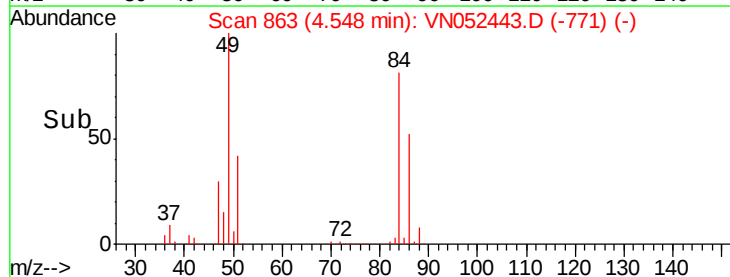
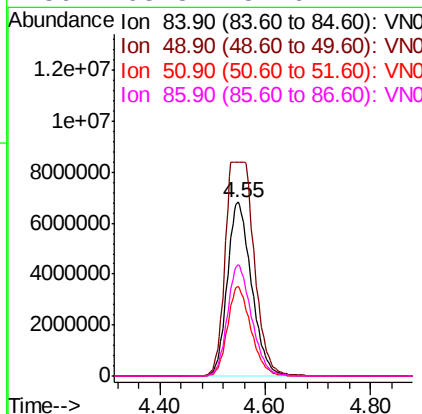
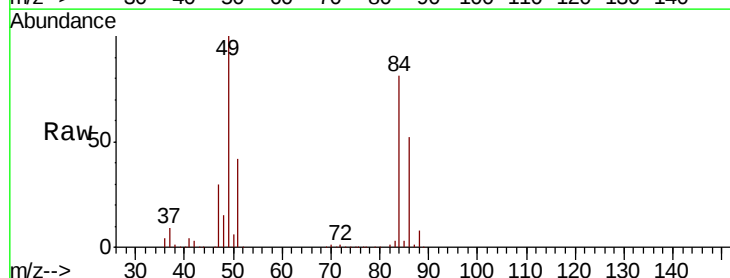
Instrument :
MSVOA_N
ClientSampled :

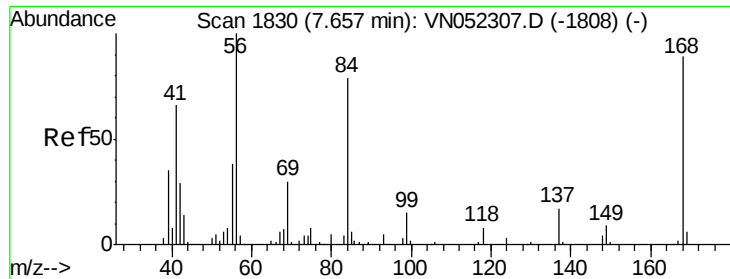
Tot Ion: 43 Resp: 112820
Ion Ratio Lower Upper
43 100
74 20.2 15.9 23.9



#20
Methylene Chloride
Concen: 5892.906 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN052443.D
Acq: 21 Nov 2018 17:24

Tgt Ion: 84 Resp: 21566596
Ion Ratio Lower Upper
84 100
49 122.8 118.2 177.2
51 51.5 36.1 54.1
86 63.8 51.6 77.4

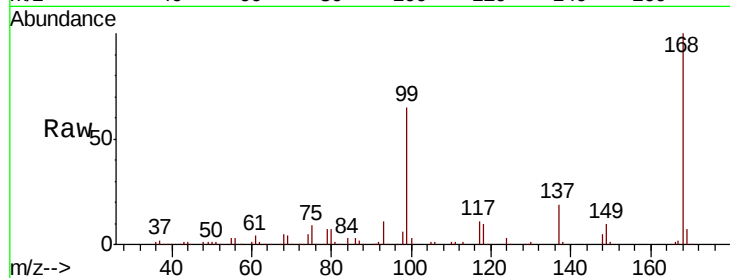




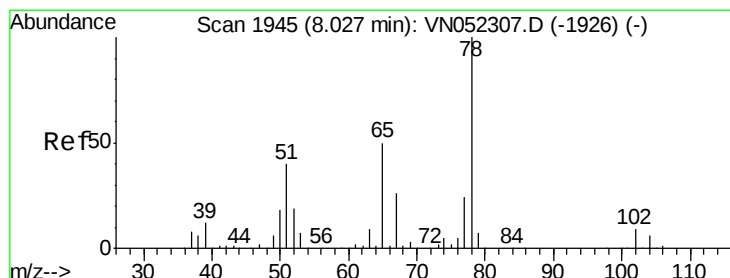
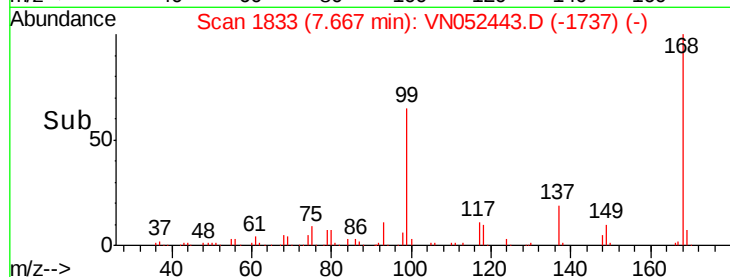
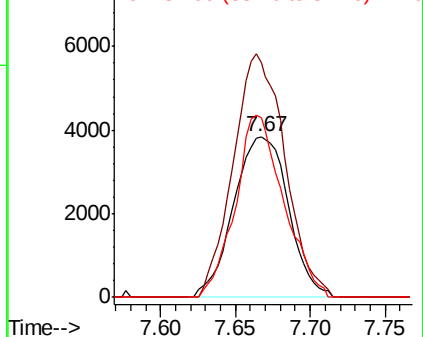
#31
Cyclohexane
Concen: 0.398 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052443.D
Acq: 21 Nov 2018 17:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 9770
Ion Ratio Lower Upper
56 100
69 145.9 23.8 35.8#
84 111.5 63.0 94.6#

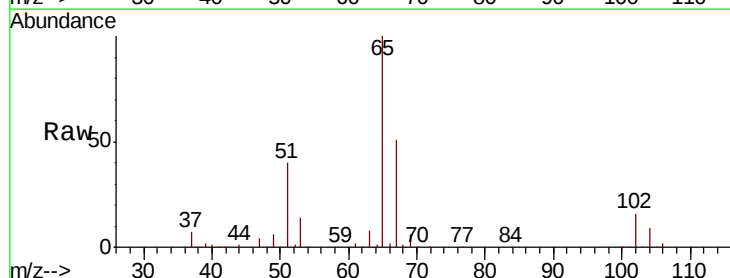


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

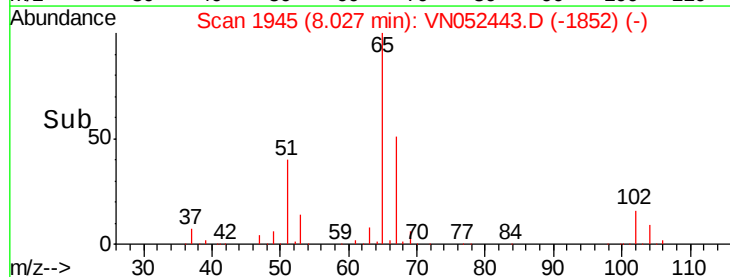
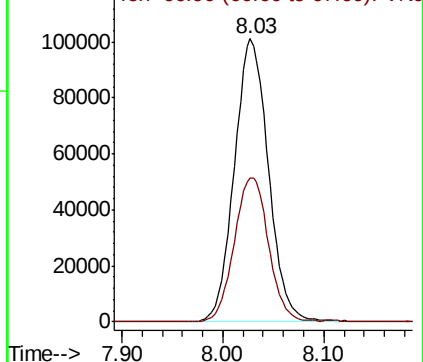


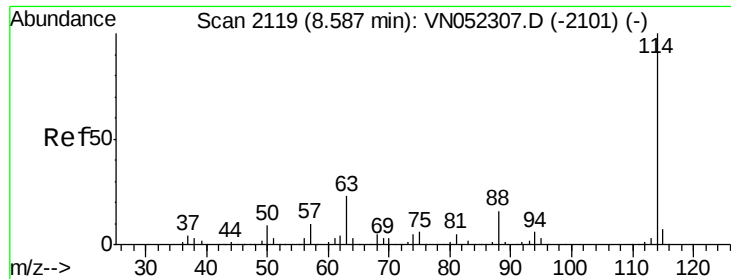
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052443.D
Acq: 21 Nov 2018 17:24

Tgt Ion: 65 Resp: 236867
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

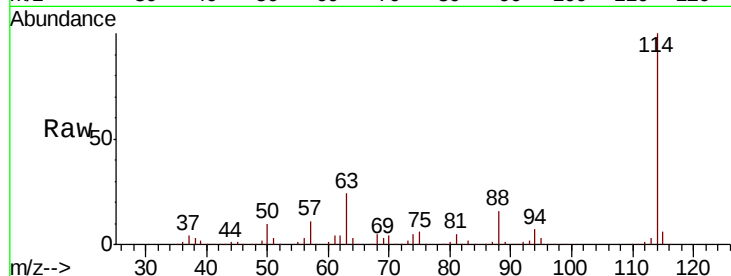




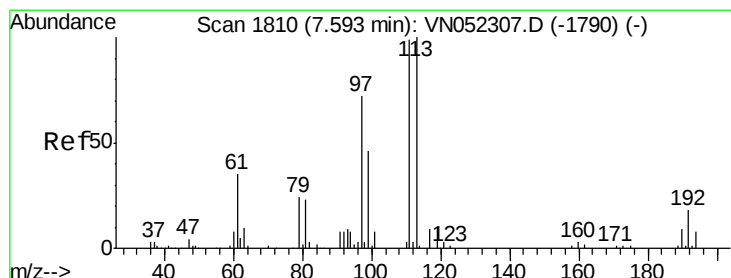
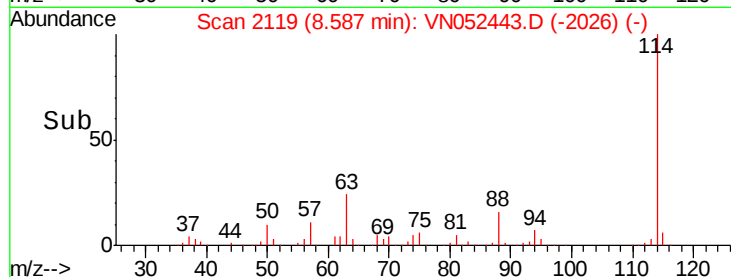
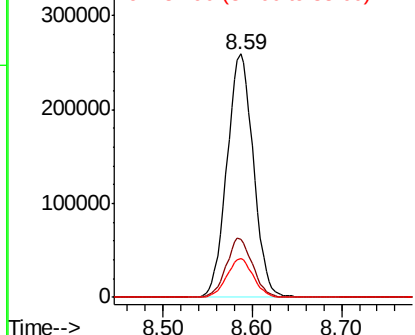
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052443.D
 Acq: 21 Nov 2018 17:24

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 530473
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 45.4
 88 16.0 0.0 31.2

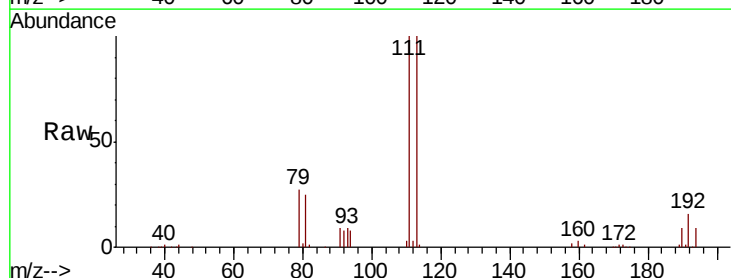


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

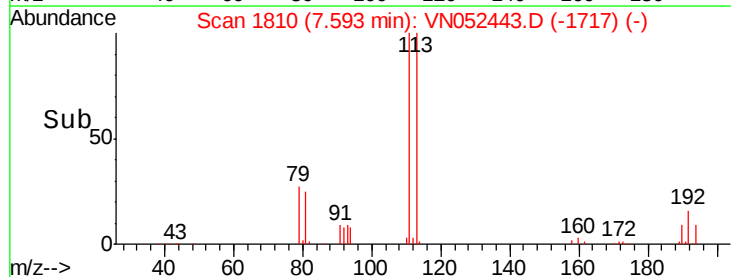
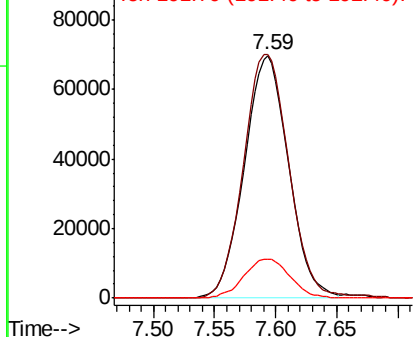


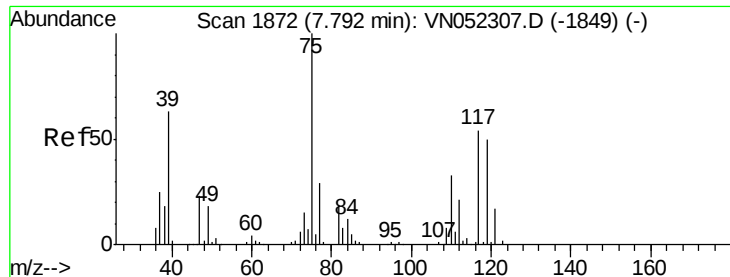
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052443.D
 Acq: 21 Nov 2018 17:24

Tgt Ion:113 Resp: 174694
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.0 121.6
 192 16.9 13.8 20.6



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

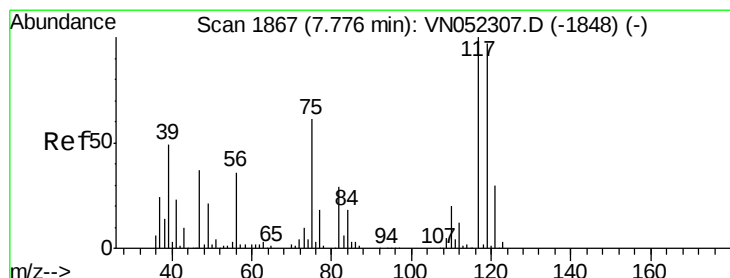
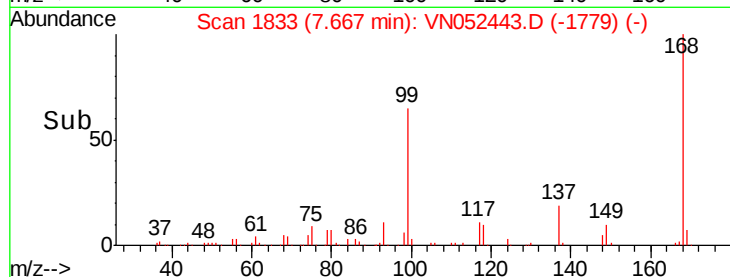
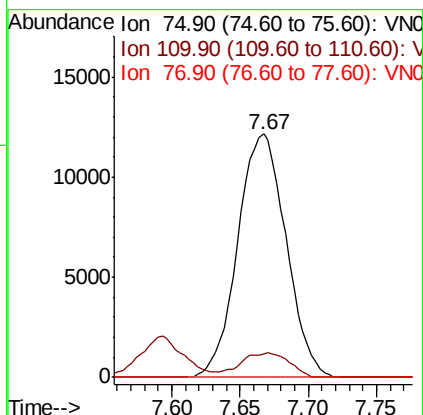
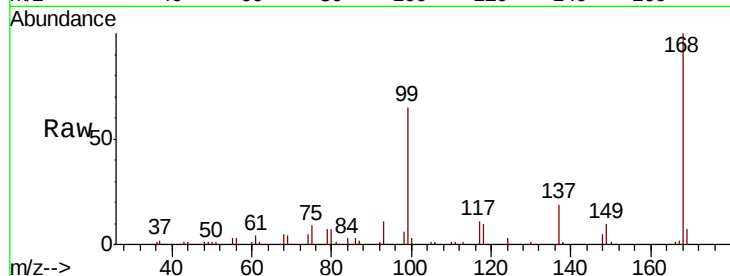




#36
 1,1-Dichloropropene
 Concen: 5.615 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052443.D
 Acq: 21 Nov 2018 17:24

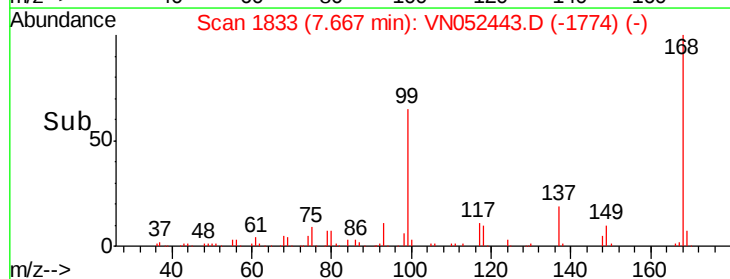
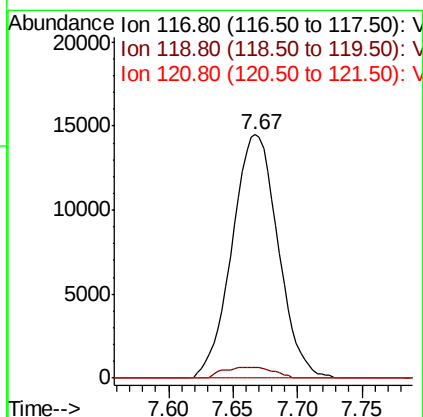
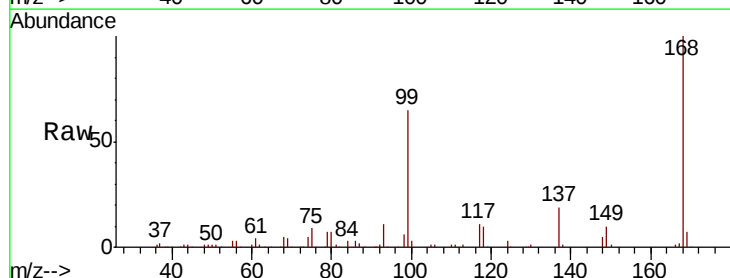
Instrument :
 MSVOA_N
 ClientSampleId :

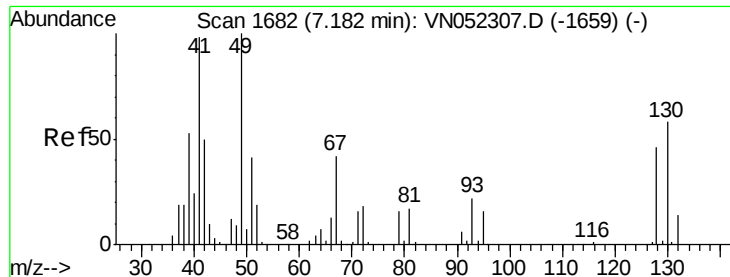
Tot Ion: 75 Resp: 29853
 Ion Ratio Lower Upper
 75 100
 110 10.1 16.5 49.5#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 7.366 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN052443.D
 Acq: 21 Nov 2018 17:24

Tgt Ion: 117 Resp: 35981
 Ion Ratio Lower Upper
 117 100
 119 4.2 77.4 116.0#
 121 0.0 24.0 36.0#

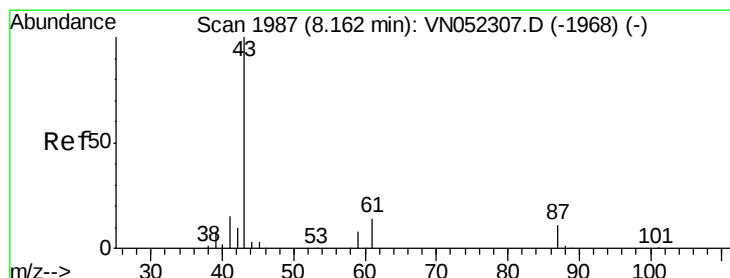
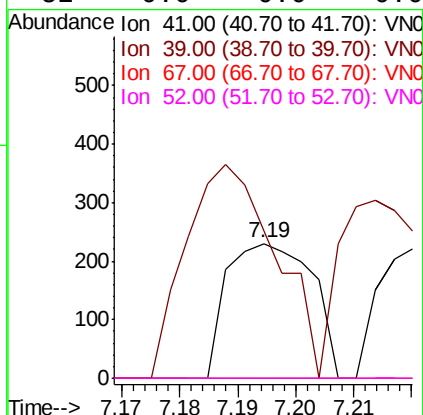
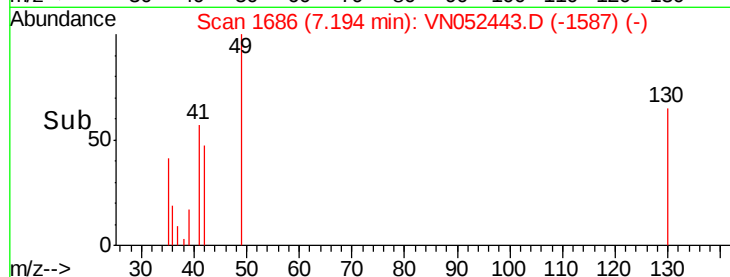
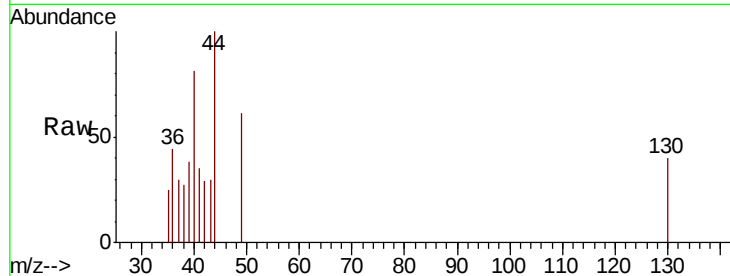




#41
Methacrylonitrile
Concen: 3.797 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.02 min
Lab File: VN052443.D
Acq: 21 Nov 2018 17:24

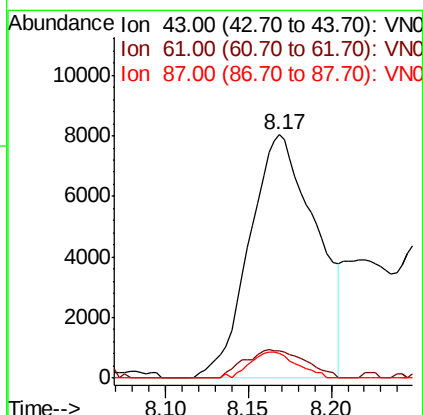
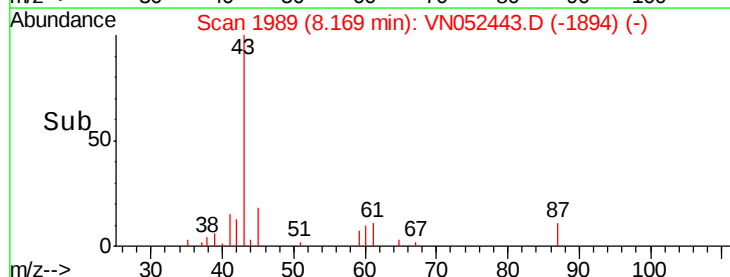
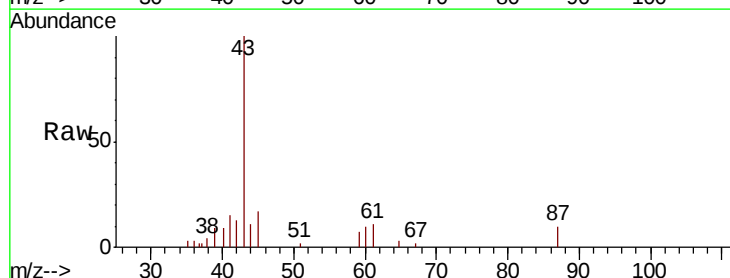
Instrument :
MSVOA_N
ClientSampleId :

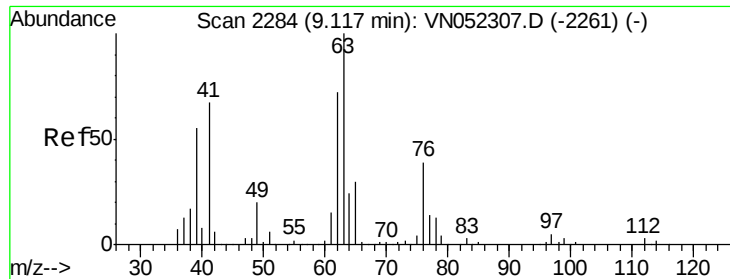
Tot Ion:	41	Resp:	235
Ion	Ratio	Lower	Upper
41	100		
39	166.8	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 3.014 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN052443.D
Acq: 21 Nov 2018 17:24

Tgt Ion:	43	Resp:	22440
Ion	Ratio	Lower	Upper
43	100		
61	10.6	12.0	18.0#
87	7.5	8.3	12.5#

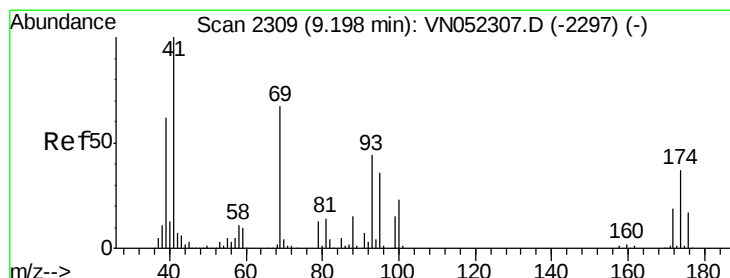
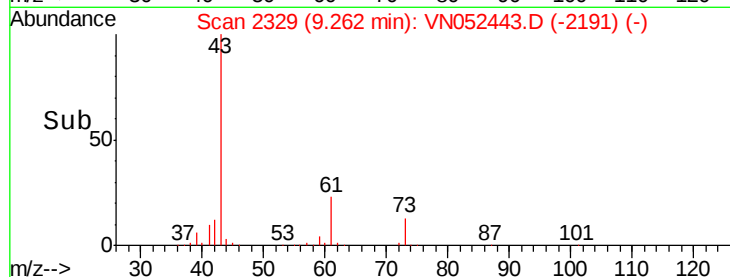
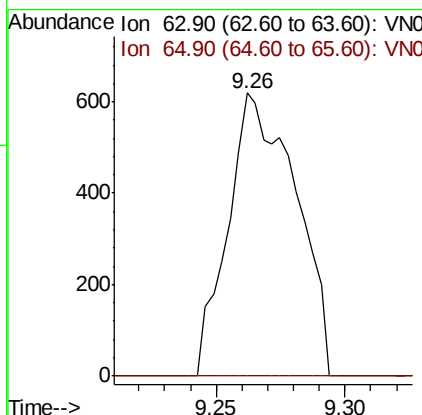
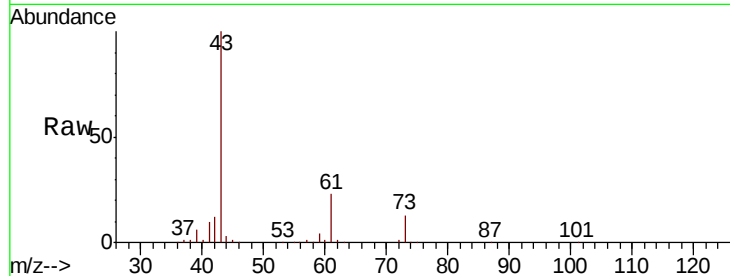




#45
 1,2-Dichloropropane
 Concen: 0.263 ug/l
 RT: 9.26 min Scan# 2329
 Delta R.T. 0.14 min
 Lab File: VN052443.D
 Acq: 21 Nov 2018 17:24

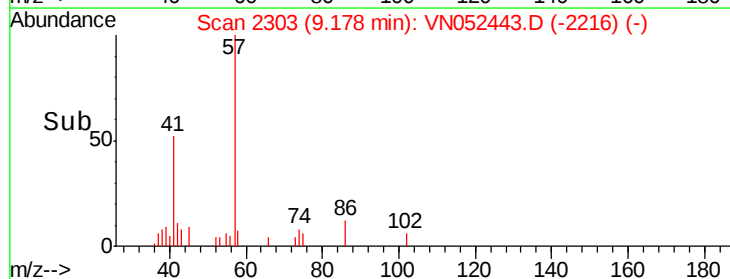
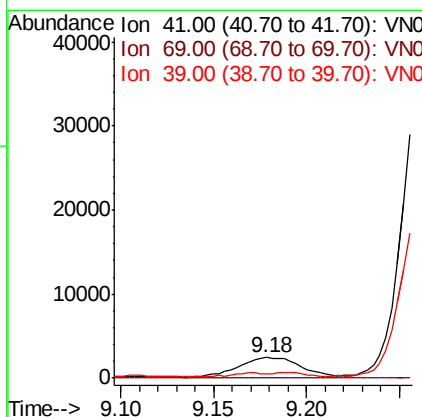
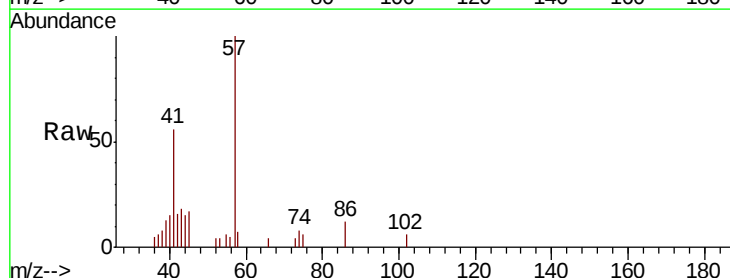
Instrument :
 MSVOA_N
 ClientSampleId :

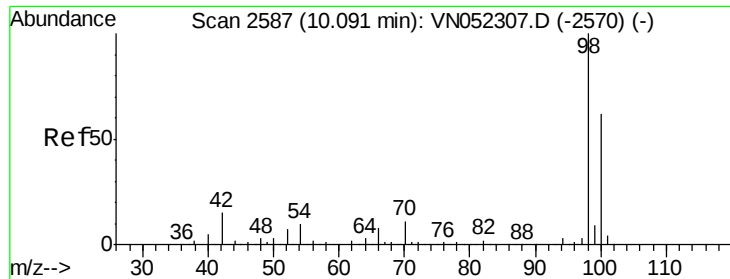
Tot Ion: 63 Resp: 1132
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.2 36.4#



#48
 Methyl methacrylate
 Concen: 1.552 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: VN052443.D
 Acq: 21 Nov 2018 17:24

Tgt Ion: 41 Resp: 5864
 Ion Ratio Lower Upper
 41 100
 69 0.0 57.1 85.7#
 39 0.0 52.5 78.7#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052443.D

Acq: 21 Nov 2018 17:24

Instrument :

MSVOA_N

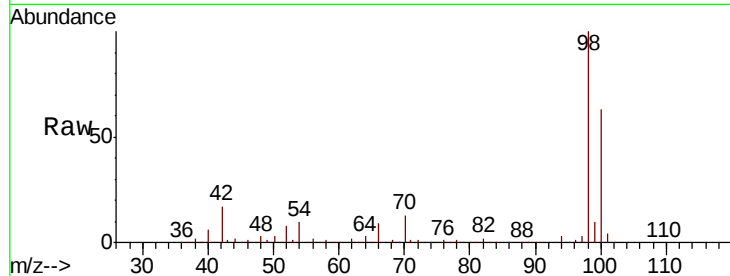
ClientSampleId :

Tot Ion: 98 Resp: 668636

Ion Ratio Lower Upper

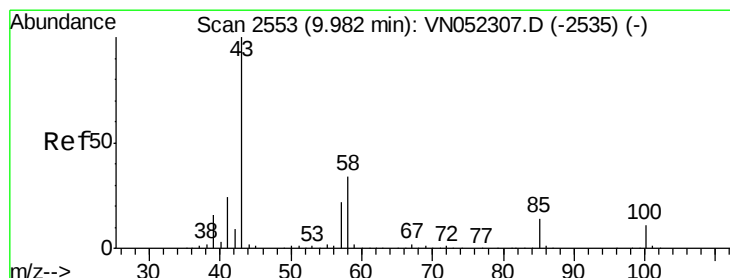
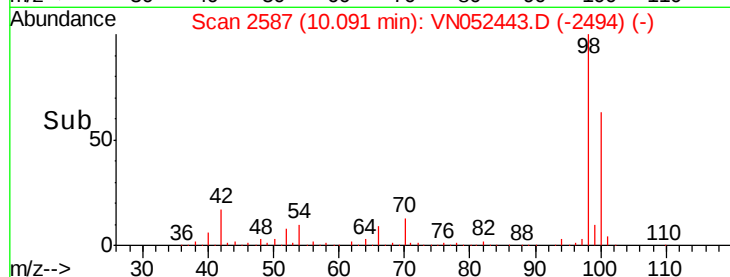
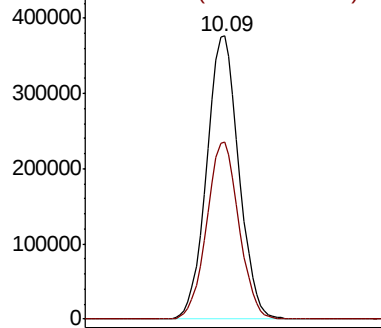
98 100

100 62.8 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 2.255 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.05 min

Lab File: VN052443.D

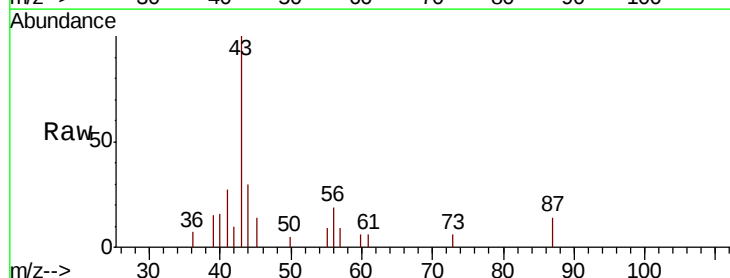
Acq: 21 Nov 2018 17:24

Tgt Ion: 43 Resp: 8451

Ion Ratio Lower Upper

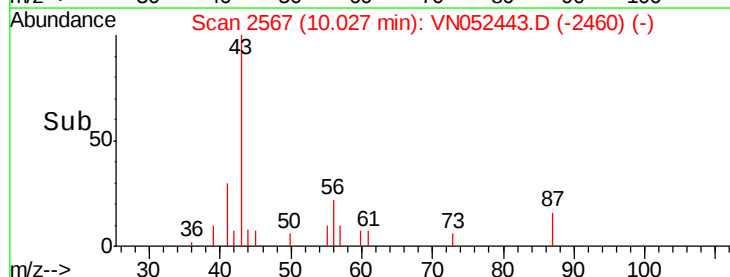
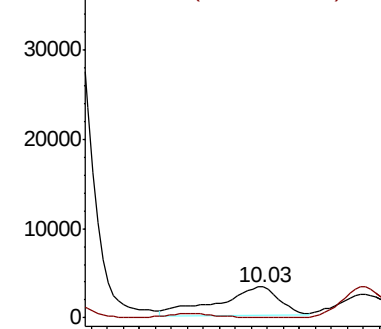
43 100

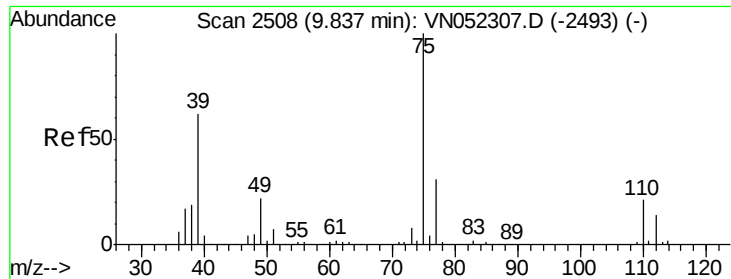
58 0.0 27.0 40.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



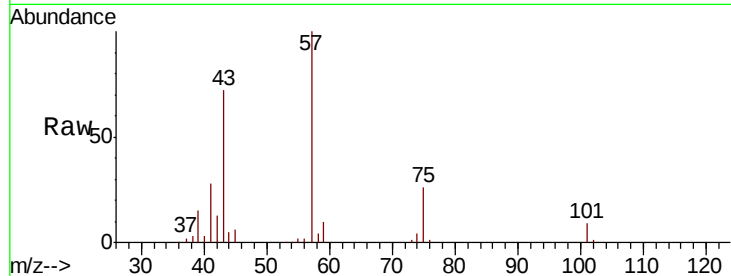


#54

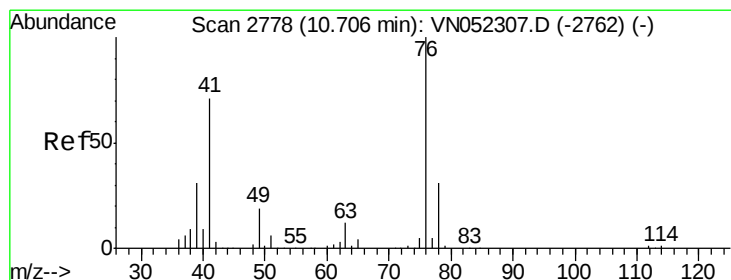
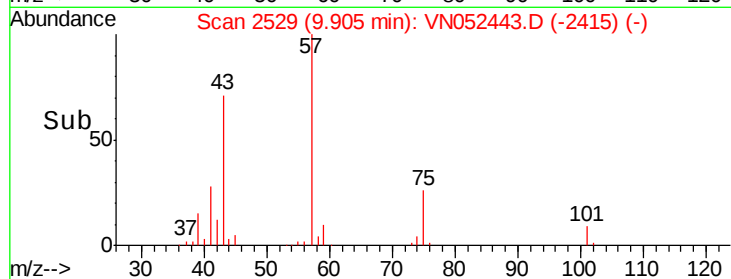
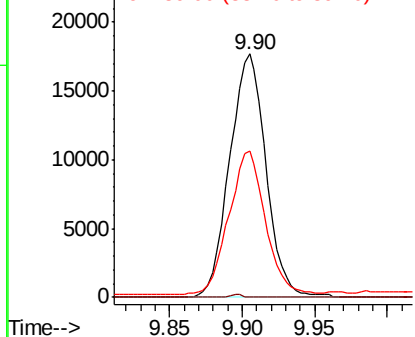
cis-1,3-Dichloropropene
 Concen: 5.223 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.07 min
 Lab File: VN052443.D
 Acq: 21 Nov 2018 17:24

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	24.6	36.8#
39	58.5	49.9	74.9



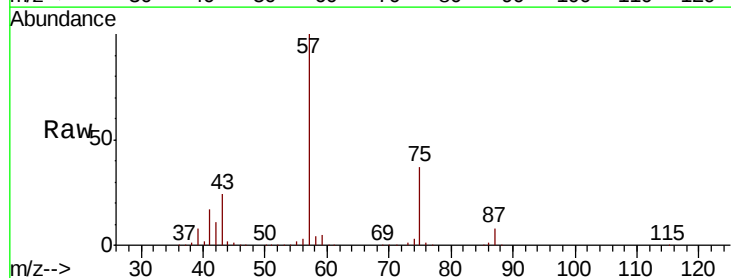
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



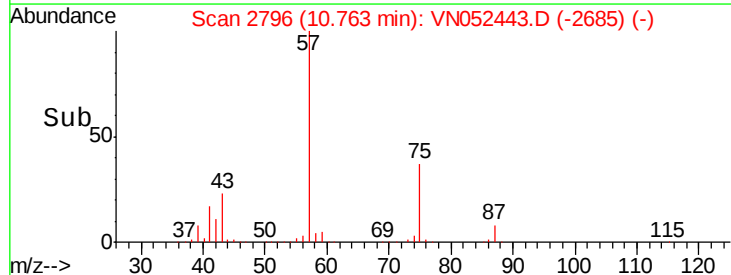
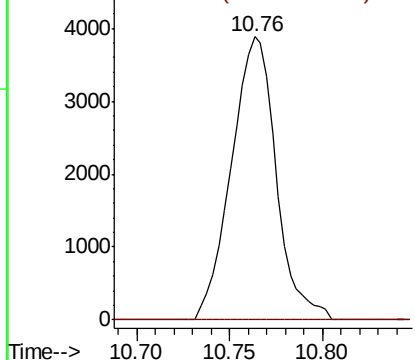
#57

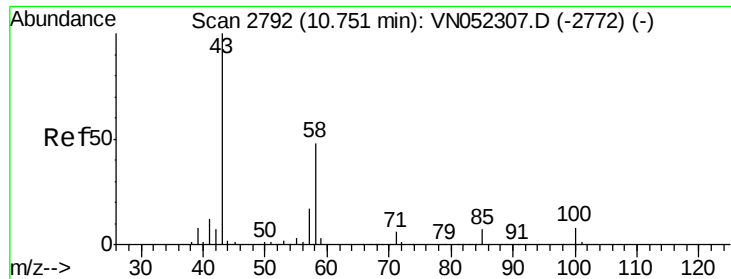
1,3-Dichloropropane
 Concen: 1.116 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN052443.D
 Acq: 21 Nov 2018 17:24

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.7	38.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0
 Ion 77.90 (77.60 to 78.60): VN0

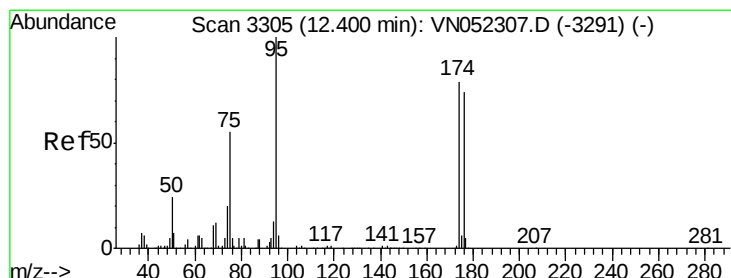
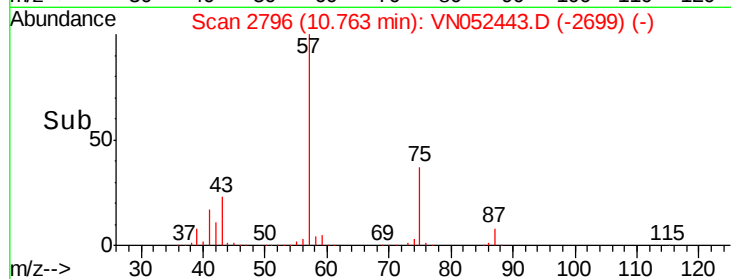
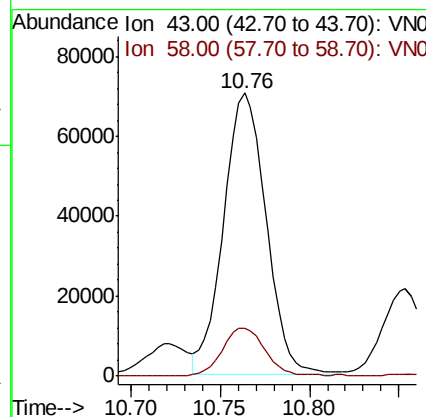
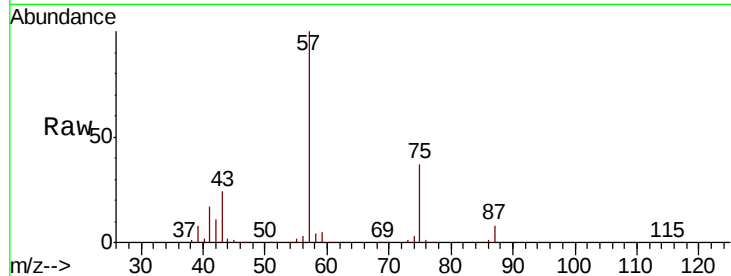




#59
2-Hexanone
Concen: 45.265 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052443.D
Acq: 21 Nov 2018 17:24

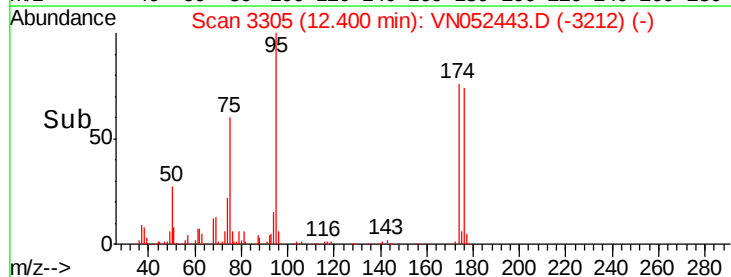
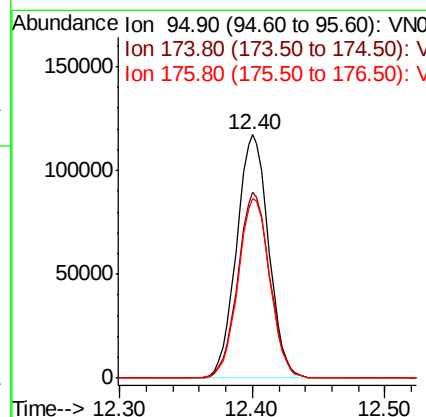
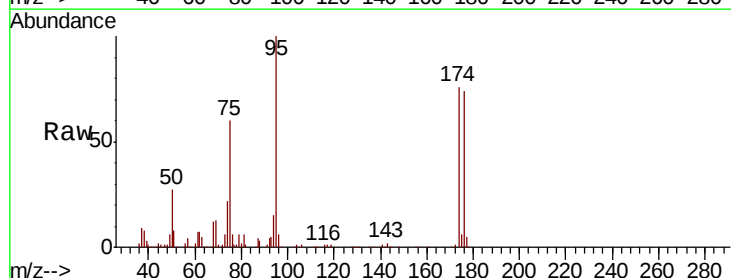
Instrument :
MSVOA_N
ClientSampled :

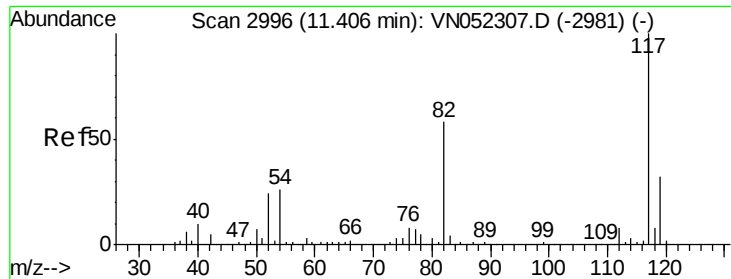
Tot Ion: 43 Resp: 116696
Ion Ratio Lower Upper
43 100
58 17.3 23.5 70.6#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052443.D
Acq: 21 Nov 2018 17:24

Tgt Ion: 95 Resp: 196848
Ion Ratio Lower Upper
95 100
174 75.8 0.0 156.0
176 73.3 0.0 148.4

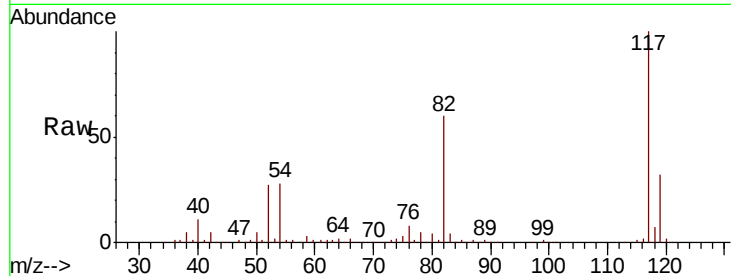




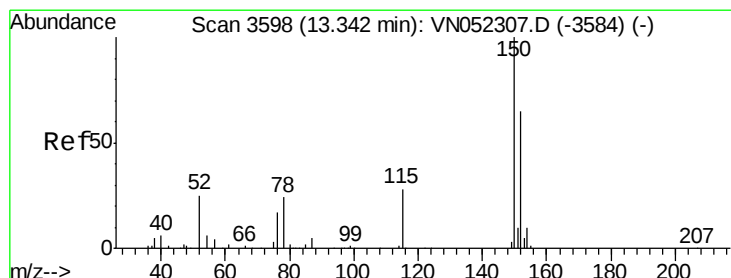
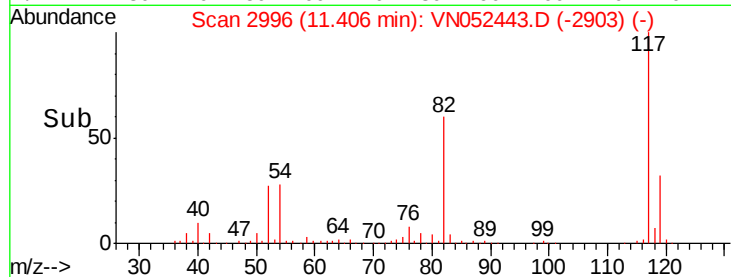
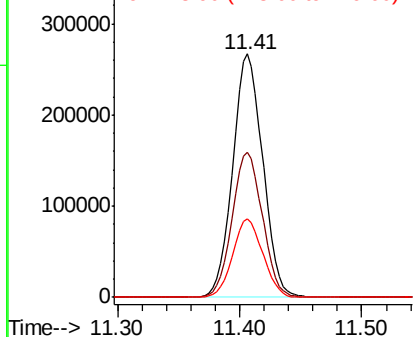
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052443.D
Acq: 21 Nov 2018 17:24

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 456114
Ion Ratio Lower Upper
117 100
82 59.8 46.5 69.7
119 32.3 25.7 38.5

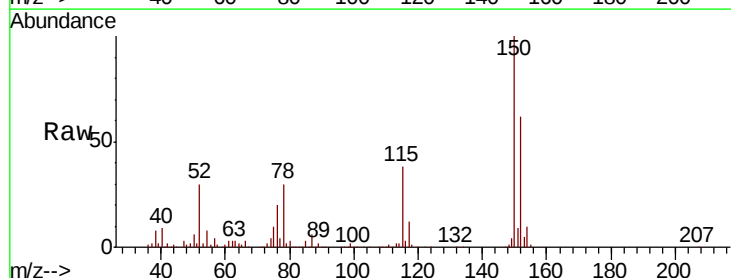


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

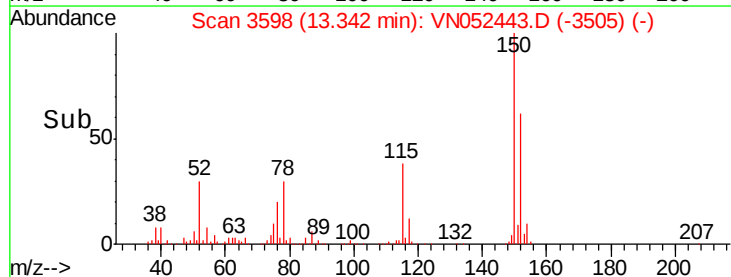
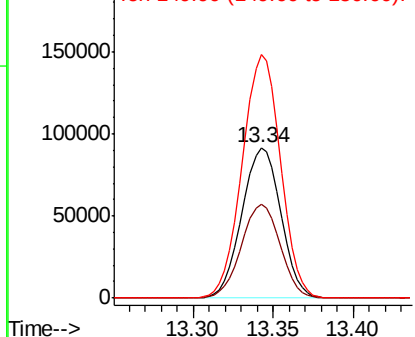


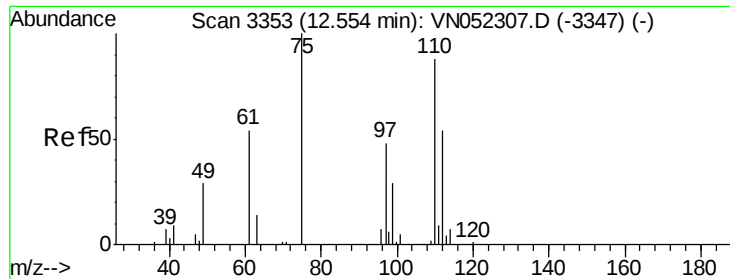
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052443.D
Acq: 21 Nov 2018 17:24

Tgt Ion:152 Resp: 152038
Ion Ratio Lower Upper
152 100
115 62.4 30.3 91.0
150 159.2 0.0 348.2



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: 45.342 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052443.D

Acq: 21 Nov 2018 17:24

Instrument :

MSVOA_N

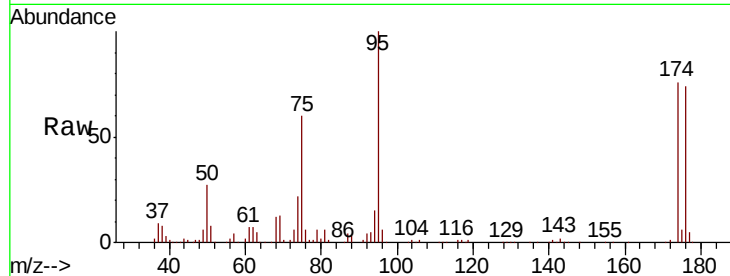
ClientSampled :

Tot Ion: 75 Resp: 116973

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052307.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN052307.D (-3347) (-)

12.40

80000

60000

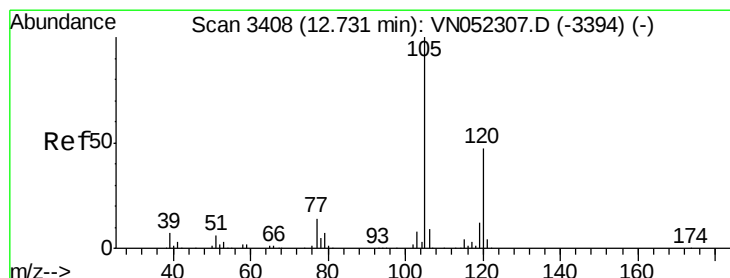
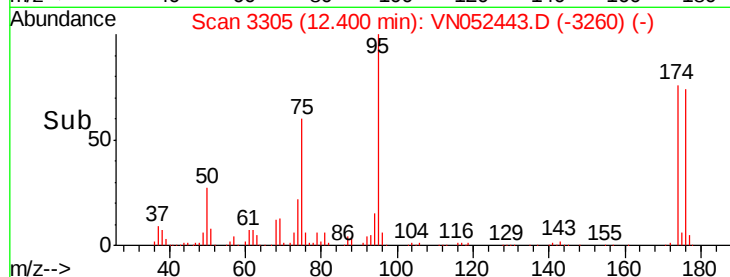
40000

20000

0

Time-->

12.35 12.40 12.45



#80

1,3,5-Trimethylbenzene

Concen: 0.263 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052443.D

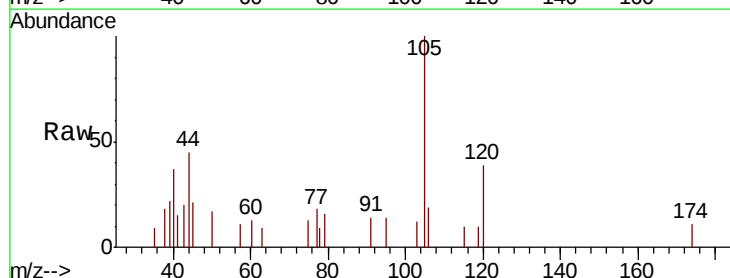
Acq: 21 Nov 2018 17:24

Tgt Ion:105 Resp: 2554

Ion Ratio Lower Upper

105 100

120 41.9 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN052307.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN052307.D (-3394) (-)

12.73

1500

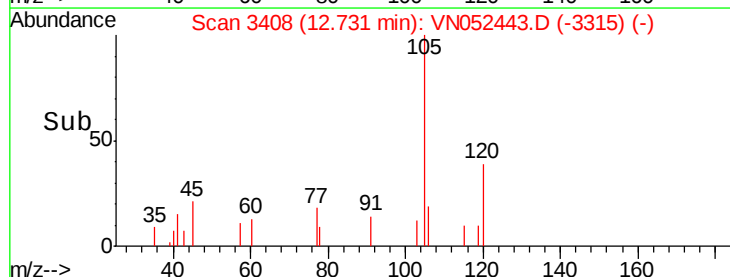
1000

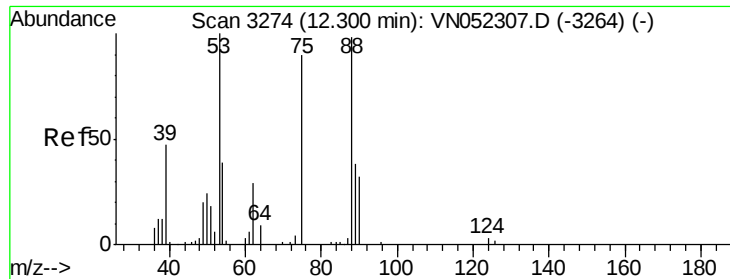
500

0

Time-->

12.70 12.75





#81

trans-1,4-Dichloro-2-butene

Concen: 147.061 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052443.D

Acq: 21 Nov 2018 17:24

Instrument :

MSVOA_N

ClientSampleId :

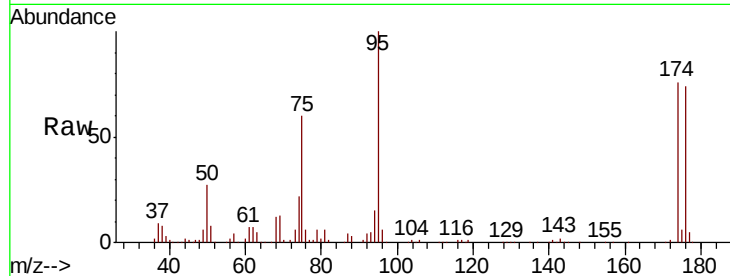
Tot Ion: 75 Resp: 116973

Ion Ratio Lower Upper

75 100

53 0.0 90.2 135.2#

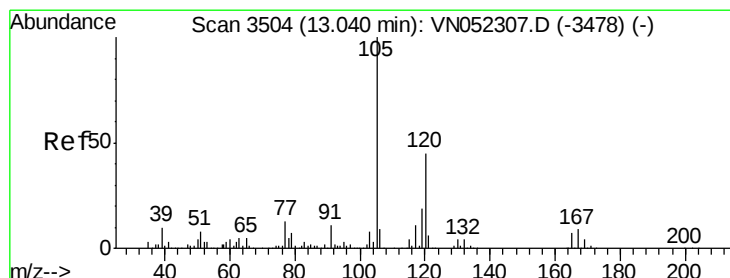
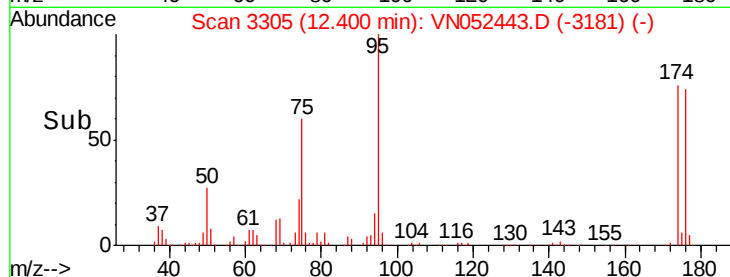
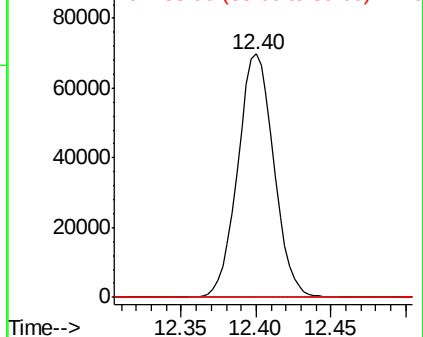
89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052307.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN052307.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN052307.D (-3264) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.256 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN052443.D

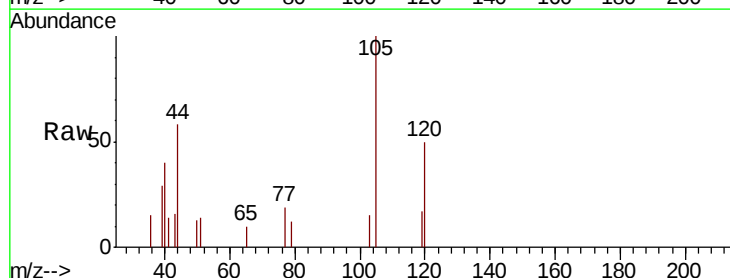
Acq: 21 Nov 2018 17:24

Tgt Ion:105 Resp: 2497

Ion Ratio Lower Upper

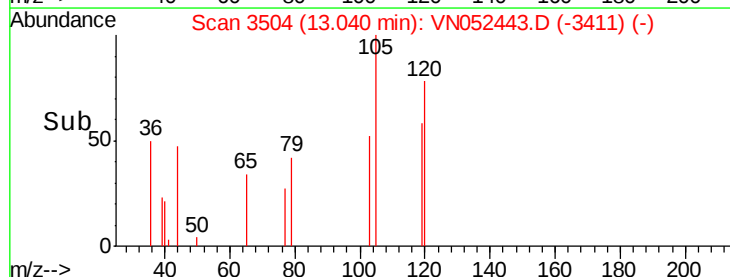
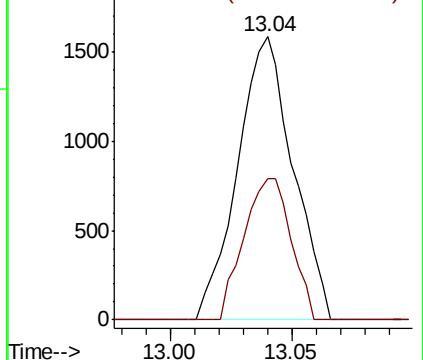
105 100

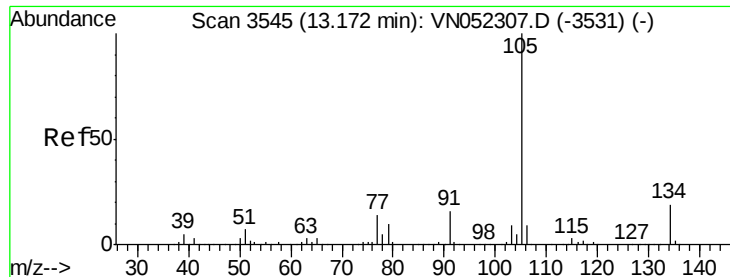
120 42.4 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): VN052307.D (-3478) (-)

Ion 120.00 (119.70 to 120.70): VN052307.D (-3478) (-)





#85

sec-Butylbenzene

Concen: 0.214 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN052443.D

Acq: 21 Nov 2018 17:24

Instrument :

MSVOA_N

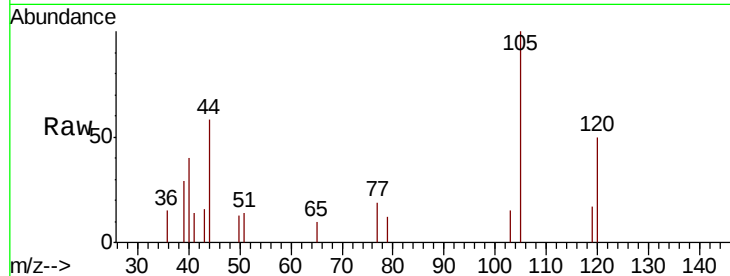
ClientSampled :

Tot Ion:105 Resp: 2497

Ion Ratio Lower Upper

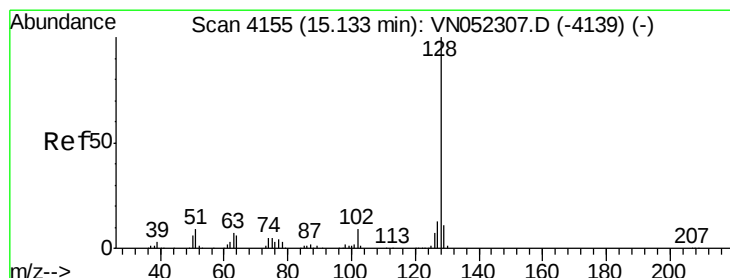
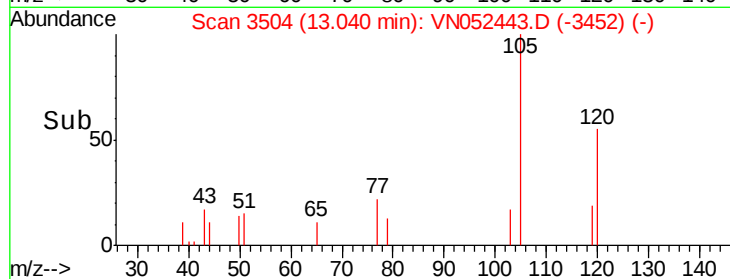
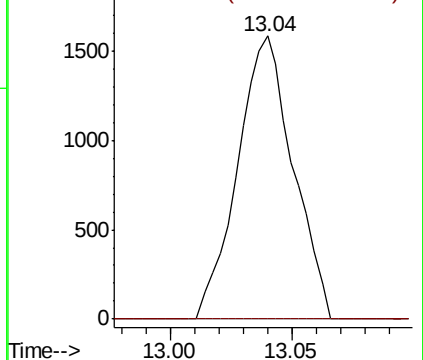
105 100

134 0.0 9.5 28.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#95

Naphthalene

Concen: 3.625 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052443.D

Acq: 21 Nov 2018 17:24

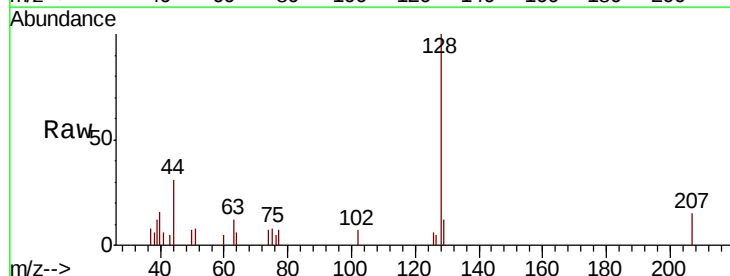
Tgt Ion:128 Resp: 5794

Ion Ratio Lower Upper

128 100

127 7.6 10.4 15.6#

129 9.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

