

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110618\
 Data File : VN052192.D
 Acq On : 6 Nov 2018 15:15
 Operator : MD\SY
 Sample : J5827-20
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-B

Quant Time: Nov 06 15:56:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 15:24:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	317462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	581267	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	566336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	234451	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	253892	67.45	ug/l	0.00
Spiked Amount			Recovery	=	134.90%	
35) Dibromofluoromethane	7.59	113	226552	62.78	ug/l	0.00
Spiked Amount			Recovery	=	125.56%	
50) Toluene-d8	10.09	98	864042	61.93	ug/l	0.00
Spiked Amount			Recovery	=	123.86%	
62) 4-Bromofluorobenzene	12.40	95	291823	63.71	ug/l	0.00
Spiked Amount			Recovery	=	127.42%	

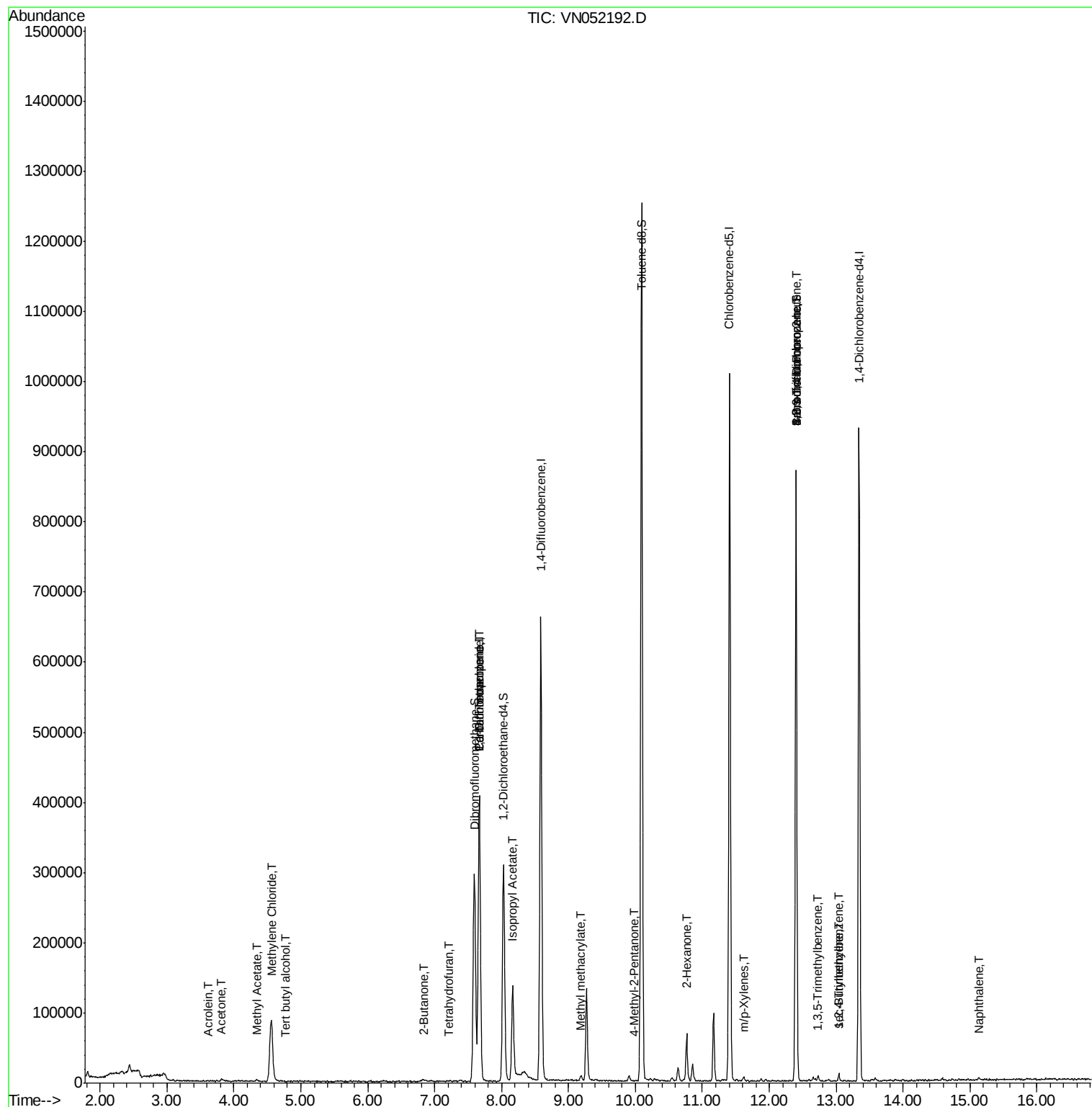
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.77	59	120	0.731	ug/l #	1
13) Acrolein	3.60	56	164	33.248	ug/l #	12
16) Acetone	3.82	43	3234	3.792	ug/l	98
18) Methyl Acetate	4.34	43	2970	1.125	ug/l	99
20) Methylene Chloride	4.56	84	62677	17.687	ug/l	98
25) 2-Butanone	6.84	43	805	0.609	ug/l #	50
29) Tetrahydrofuran	7.21	42	755	0.923	ug/l #	78
31) Cyclohexane	7.67	56	8084	Below Cal	#	8
36) 1,1-Dichloropropene	7.67	75	26863	5.224	ug/l #	49
38) Carbon Tetrachloride	7.67	117	33426	6.507	ug/l #	17
43) Isopropyl Acetate	8.17	43	163362	27.844	ug/l	99
48) Methyl methacrylate	9.18	41	3695	1.309	ug/l #	28
51) 4-Methyl-2-Pentanone	9.98	43	740	0.239	ug/l #	38
59) 2-Hexanone	10.76	43	11356	5.263	ug/l #	54
68) m/p-Xylenes	11.62	106	1677	0.227	ug/l	89
71) Bromoform	12.39	173	769	3.076	ug/l #	29
74) N-amyl acetate	12.07	43	361	Below Cal	#	50
76) 1,2,3-Trichloropropane	12.40	75	151647	48.936	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2951	0.206	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	151647	147.168	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.04	105	5618	0.393	ug/l	91
85) sec-Butylbenzene	13.04	105	5618	0.328	ug/l #	59
95) Naphthalene	15.14	128	1952	0.272	ug/l #	81

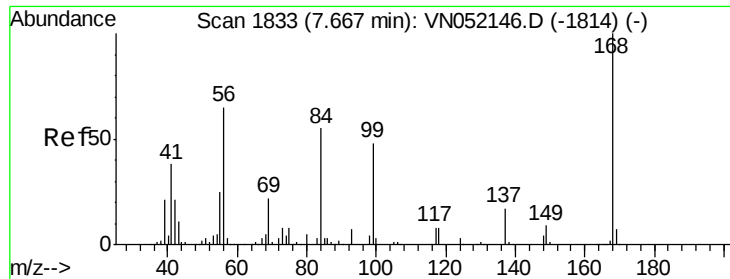
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN110618\
Data File : VN052192.D
Acq On : 6 Nov 2018 15:15
Operator : MD\SY
Sample : J5827-20
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
SP-B

Quant Time: Nov 06 15:56:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 05 15:24:48 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: VN052192.D

Acq: 6 Nov 2018 15:15

Instrument :

MSVOA_N

ClientSampled :

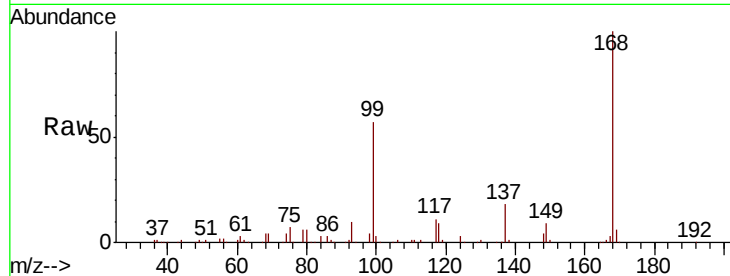
SP-B

Tgt Ion:168 Resp: 317462

Ion Ratio Lower Upper

168 100

99 56.9 56.6 85.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

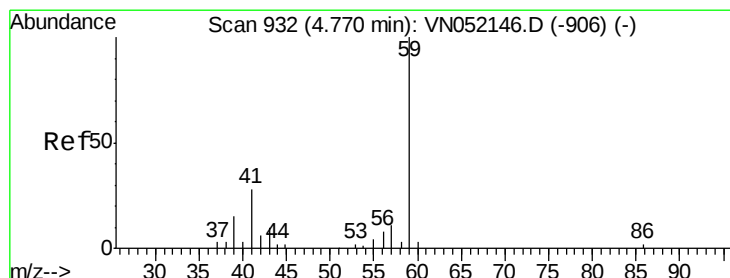
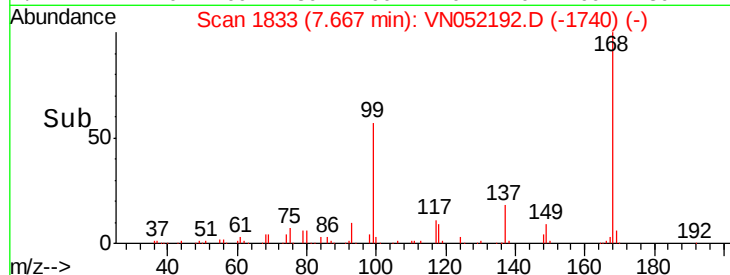
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#11

Tert butyl alcohol

Concen: 0.731 ug/l

RT: 4.77 min Scan# 933

Delta R.T. 0.00 min

Lab File: VN052192.D

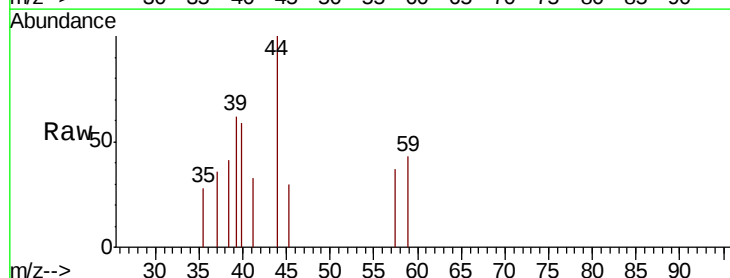
Acq: 6 Nov 2018 15:15

Tgt Ion: 59 Resp: 120

Ion Ratio Lower Upper

59 100

57 65.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.77

250

200

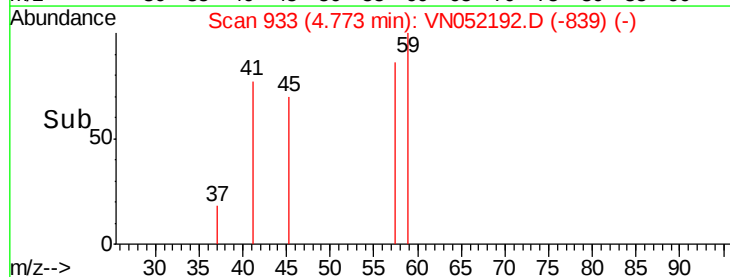
150

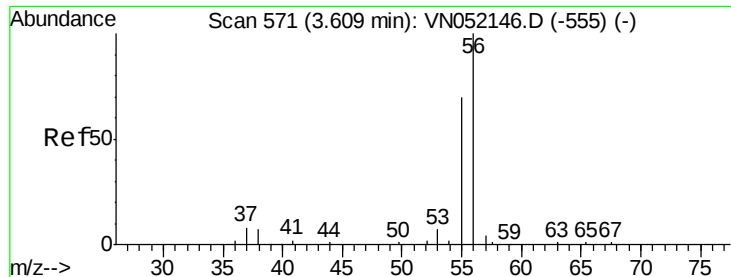
100

50

0

Time--> 4.76 4.77 4.78





#13

Acrolein

Concen: 33.248 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN052192.D

Acq: 6 Nov 2018 15:15

Instrument :

MSVOA_N

ClientSampled :

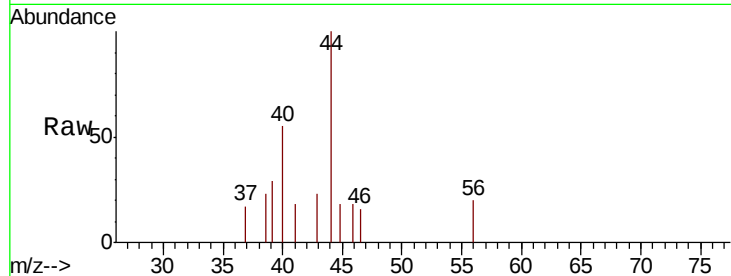
SP-B

Tgt Ion: 56 Resp: 164

Ion Ratio Lower Upper

56 100

55 0.0 59.9 89.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

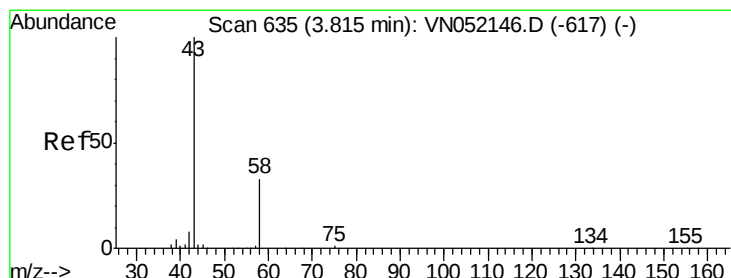
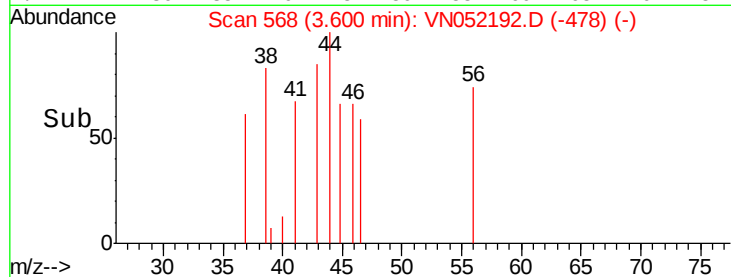
150

100

50

0

Time-->



#16

Acetone

Concen: 3.792 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052192.D

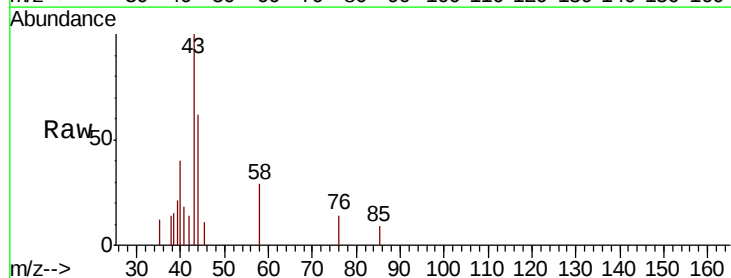
Acq: 6 Nov 2018 15:15

Tgt Ion: 43 Resp: 3234

Ion Ratio Lower Upper

43 100

58 29.0 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

2000

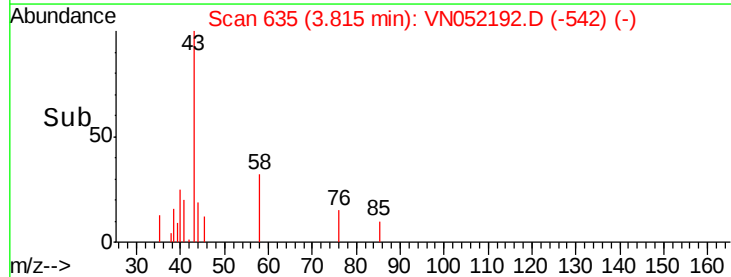
1500

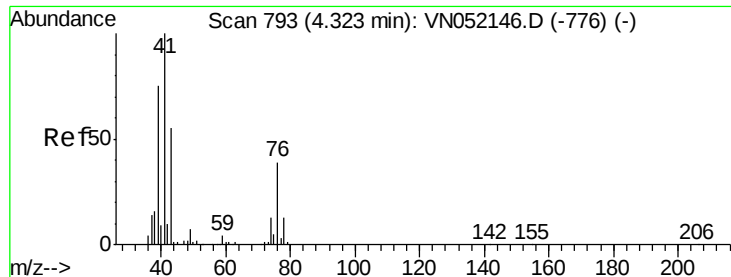
1000

500

0

Time-->

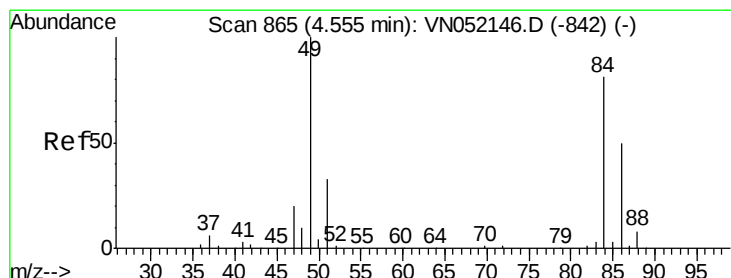
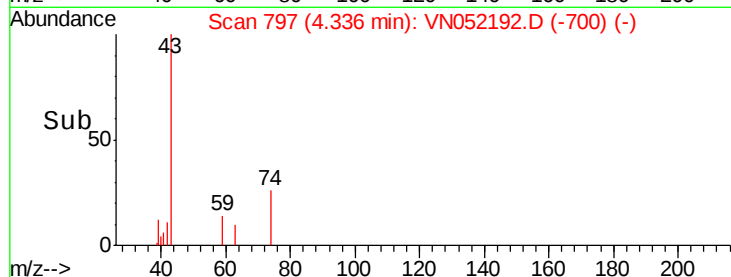
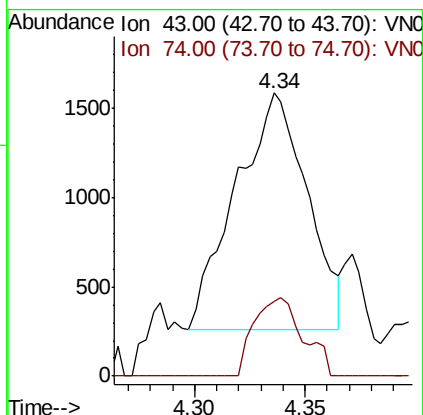
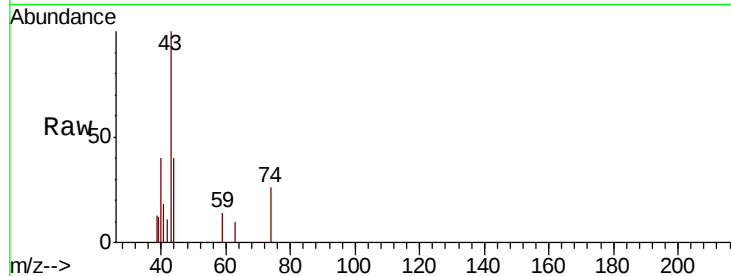




#18
Methyl Acetate
Concen: 1.125 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN052192.D
Acq: 6 Nov 2018 15:15

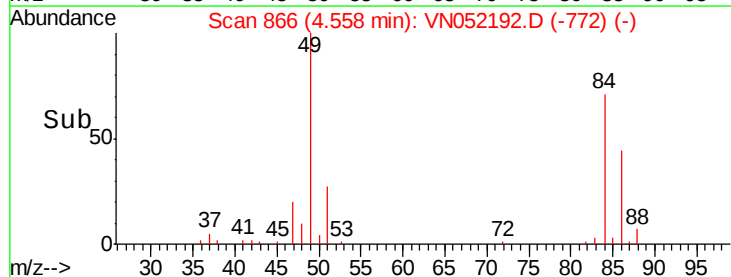
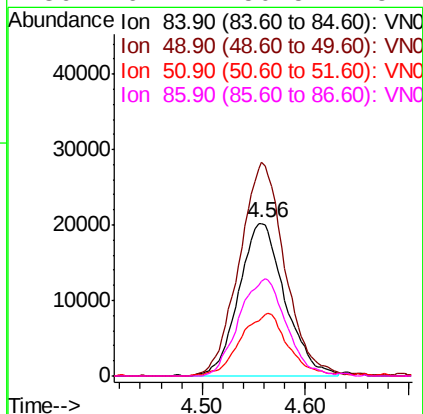
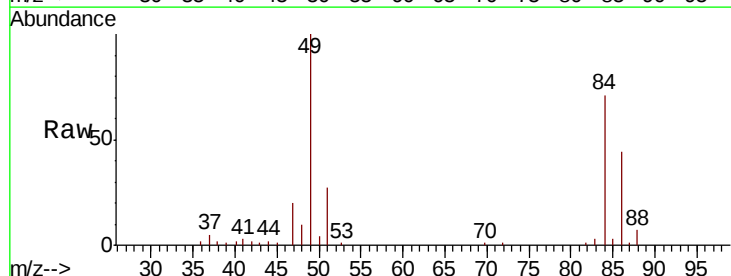
Instrument :
MSVOA_N
ClientSampled :
SP-B

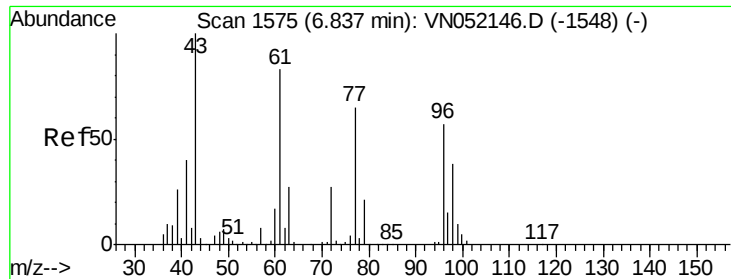
Tgt Ion: 43 Resp: 2970
Ion Ratio Lower Upper
43 100
74 22.8 17.9 26.9



#20
Methylene Chloride
Concen: 17.687 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052192.D
Acq: 6 Nov 2018 15:15

Tgt Ion: 84 Resp: 62677
Ion Ratio Lower Upper
84 100
49 140.2 110.6 165.8
51 37.7 33.7 50.5
86 62.2 50.5 75.7

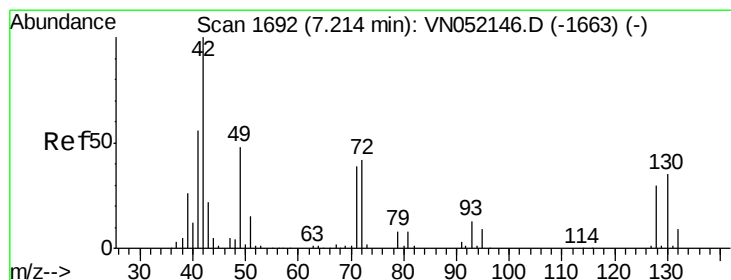
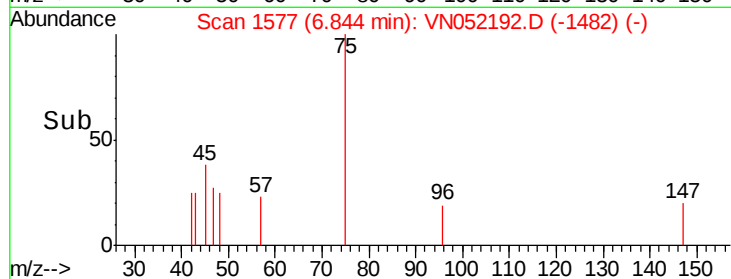
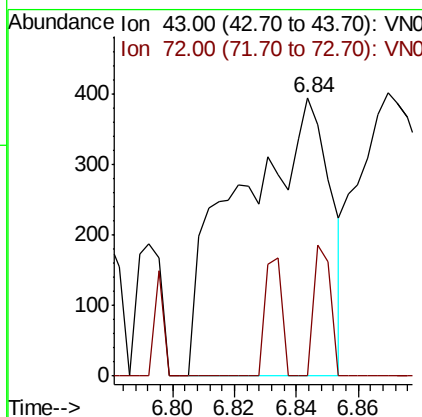
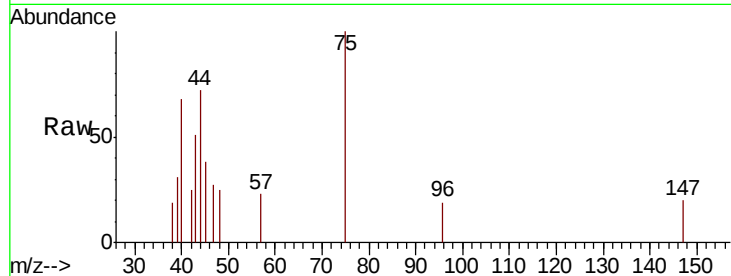




#25
2-Butanone
Concen: 0.609 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN052192.D
Acq: 6 Nov 2018 15:15

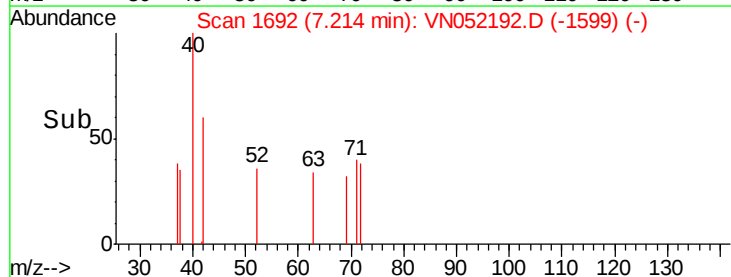
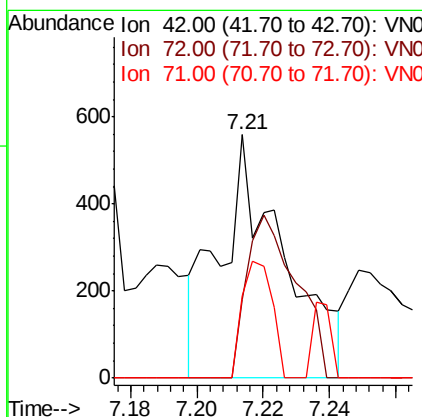
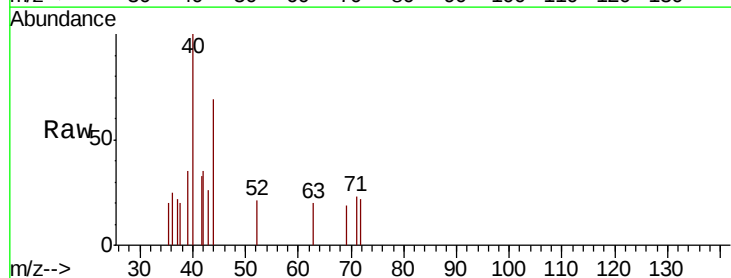
Instrument :
MSVOA_N
ClientSampled :
SP-B

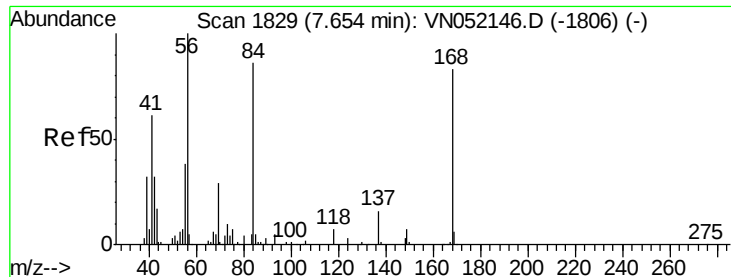
Tgt Ion: 43 Resp: 805
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.2#



#29
Tetrahydrofuran
Concen: 0.923 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN052192.D
Acq: 6 Nov 2018 15:15

Tgt Ion: 42 Resp: 755
Ion Ratio Lower Upper
42 100
72 51.8 32.5 48.7#
71 22.5 30.6 46.0#

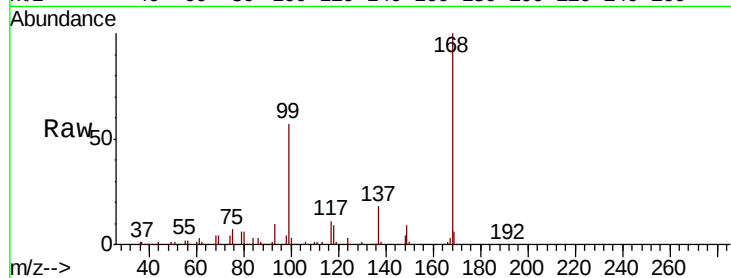




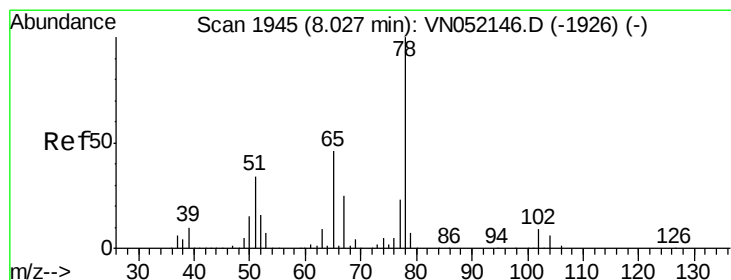
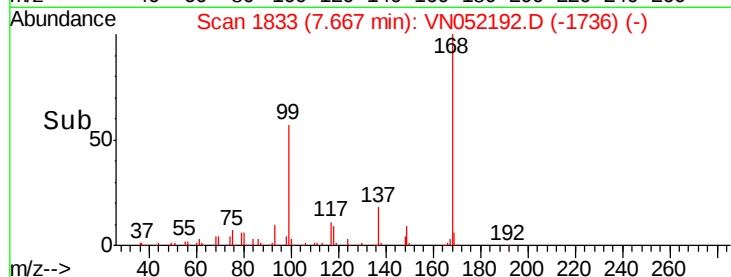
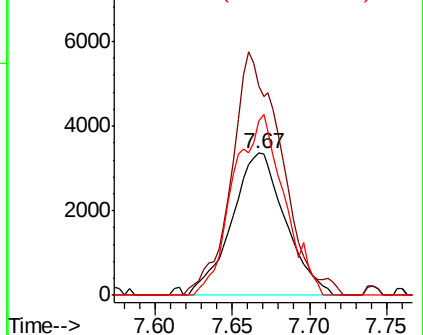
#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052192.D
Acq: 6 Nov 2018 15:15

Instrument :
MSVOA_N
ClientSampleId :
SP-B

Tgt Ion: 56 Resp: 8084
Ion Ratio Lower Upper
56 100
69 142.4 25.8 38.6#
84 122.7 63.5 95.3#

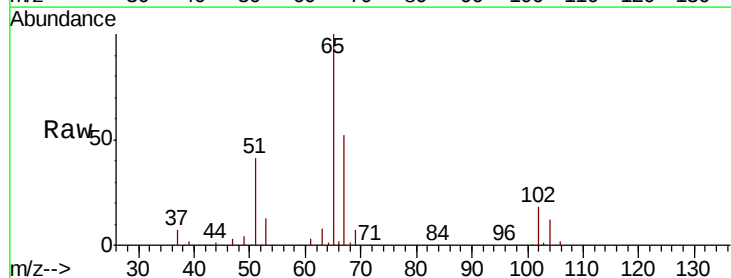


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

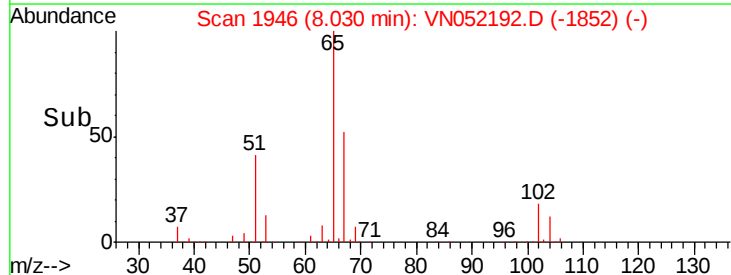
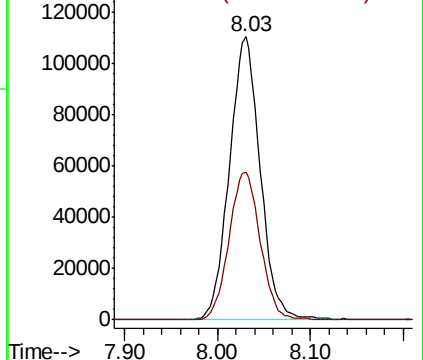


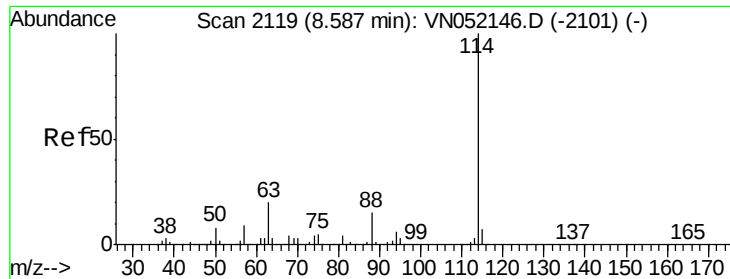
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN052192.D
Acq: 6 Nov 2018 15:15

Tgt Ion: 65 Resp: 253892
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.2



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

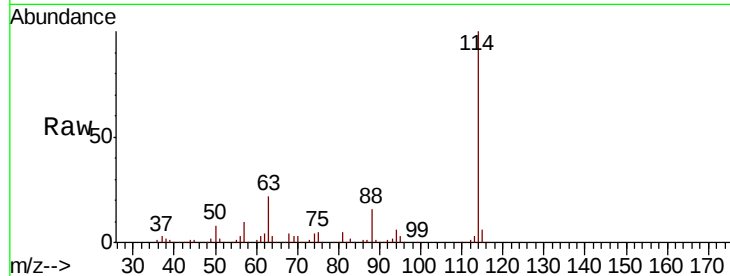




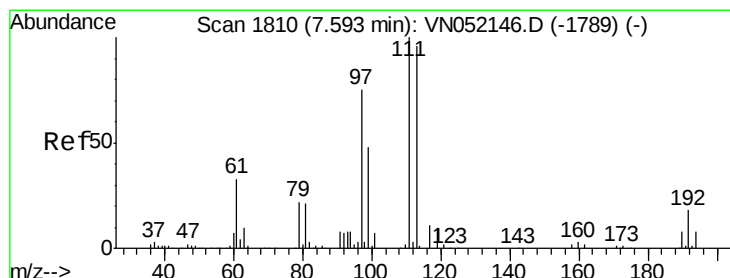
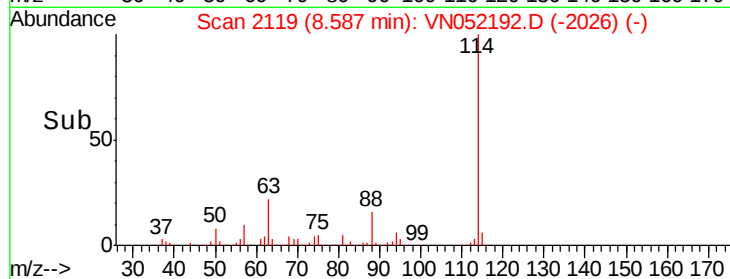
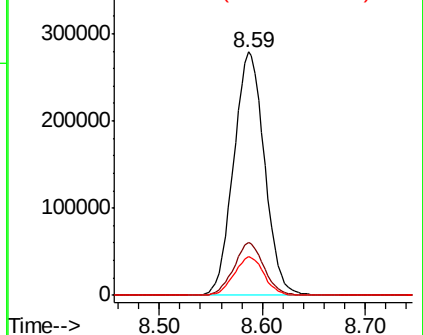
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052192.D
 Acq: 6 Nov 2018 15:15

Instrument :
 MSVOA_N
 ClientSampleId :
 SP-B

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	46.0
88	15.8	0.0	35.4

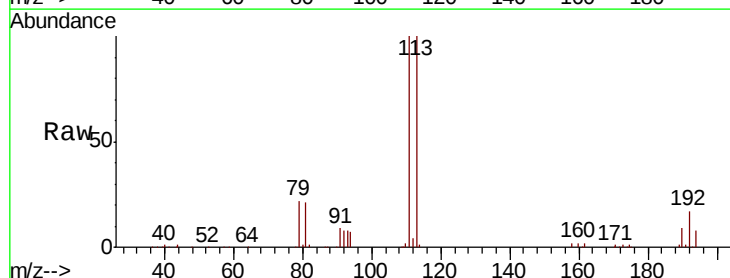


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

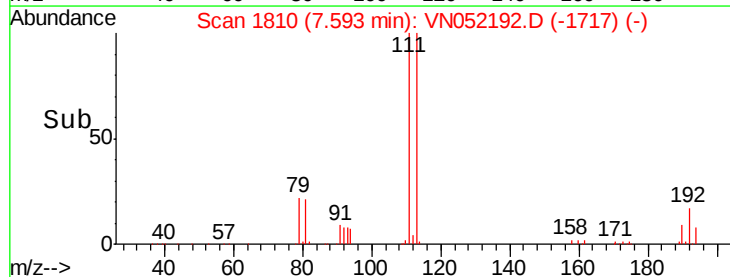
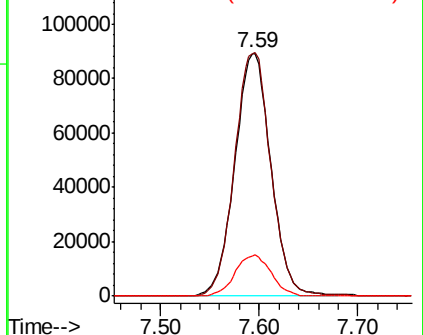


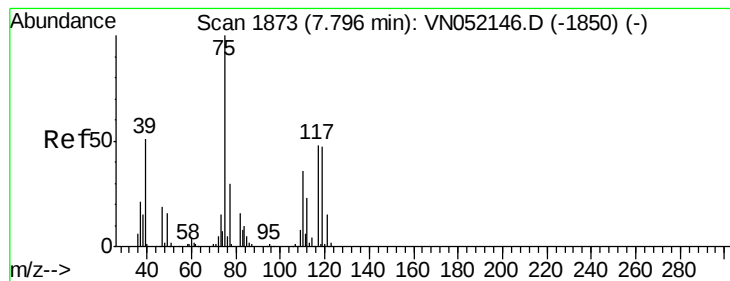
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052192.D
 Acq: 6 Nov 2018 15:15

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.9	83.1	124.7
192	17.0	12.7	19.1



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: 5.224 ug/l

RT: 7.67 min Scan# 1835

Delta R.T. -0.12 min

Lab File: VN052192.D

Acq: 6 Nov 2018 15:15

Instrument :

MSVOA_N

ClientSampled :

SP-B

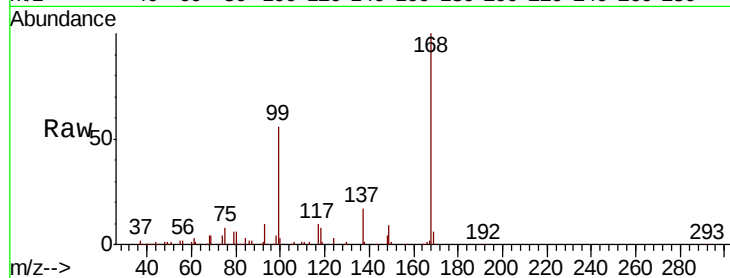
Tgt Ion: 75 Resp: 26863

Ion Ratio Lower Upper

75 100

110 6.3 16.0 48.0#

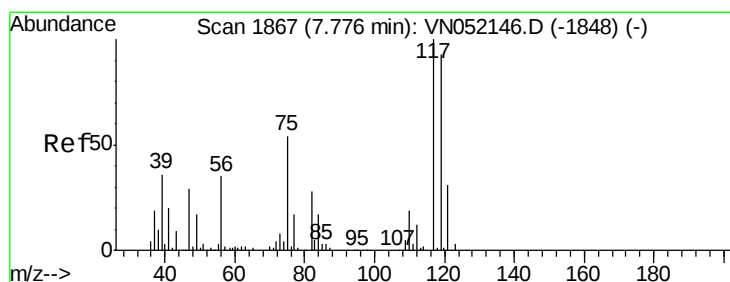
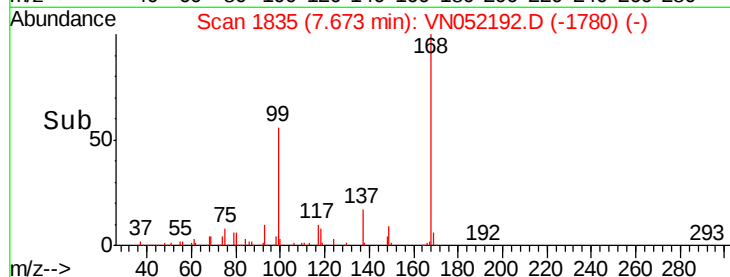
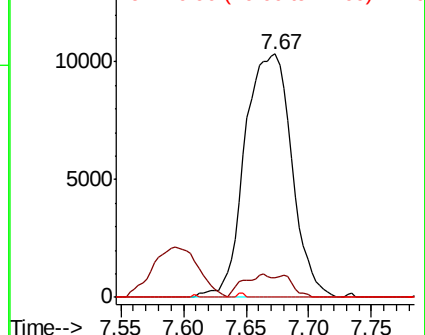
77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VN052192.D (-1780) (-)

Ion 109.90 (109.60 to 110.60): VN052192.D (-1780) (-)

Ion 76.90 (76.60 to 77.60): VN052192.D (-1780) (-)



#38

Carbon Tetrachloride

Concen: 6.507 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052192.D

Acq: 6 Nov 2018 15:15

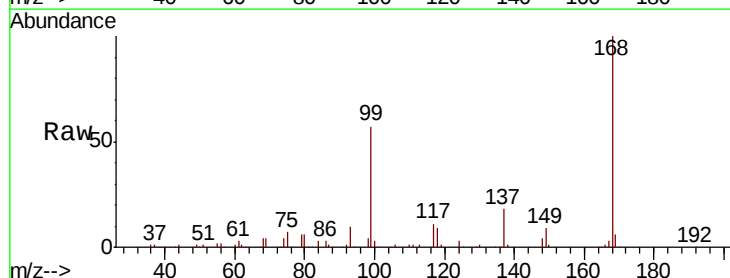
Tgt Ion: 117 Resp: 33426

Ion Ratio Lower Upper

117 100

119 5.4 74.8 112.2#

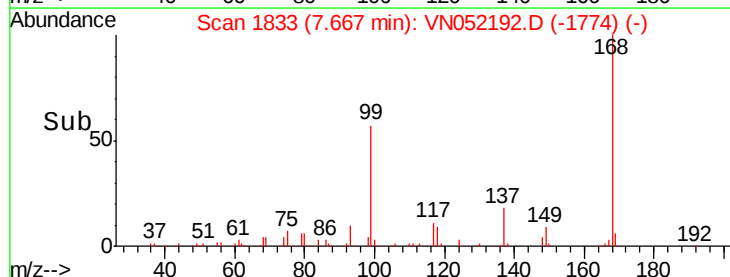
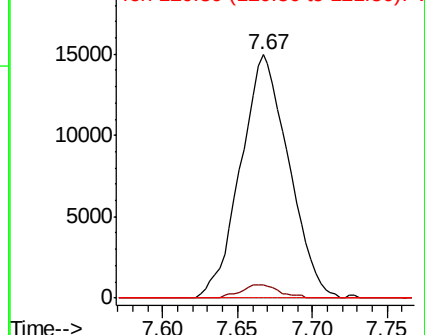
121 0.0 25.1 37.7#

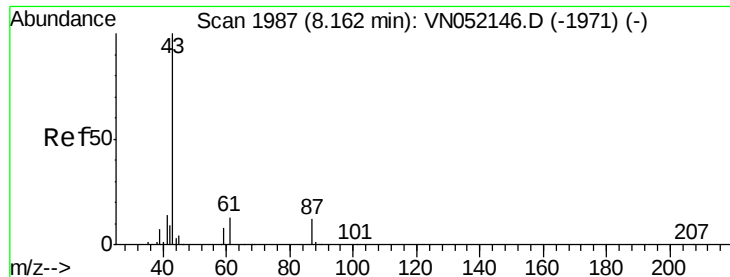


Abundance Ion 116.80 (116.50 to 117.50): VN052192.D (-1774) (-)

Ion 118.80 (118.50 to 119.50): VN052192.D (-1774) (-)

Ion 120.80 (120.50 to 121.50): VN052192.D (-1774) (-)

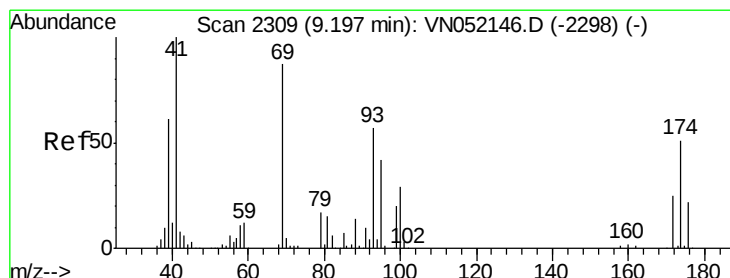
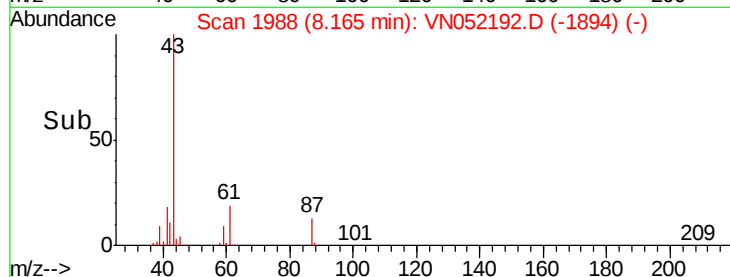
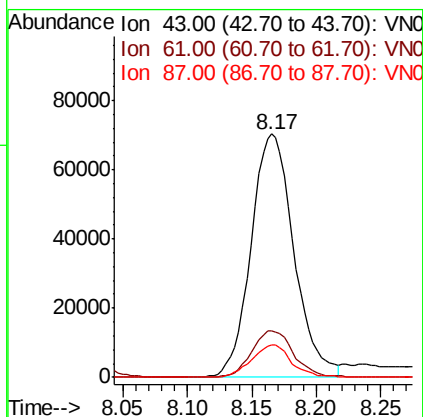
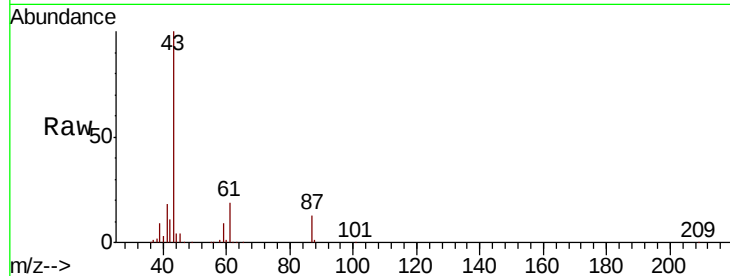




#43
Isopropyl Acetate
Concen: 27.844 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052192.D
Acq: 6 Nov 2018 15:15

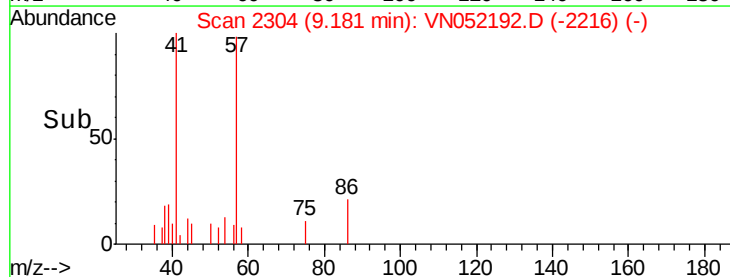
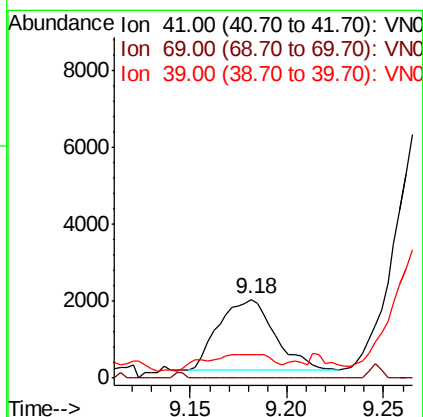
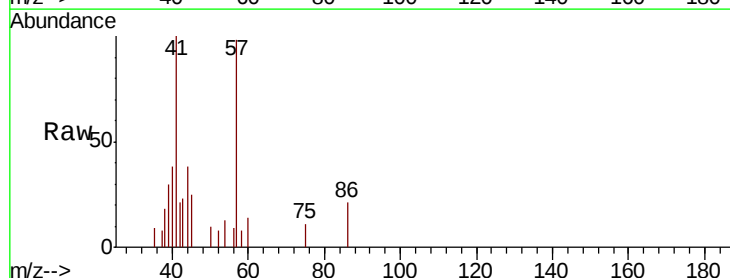
Instrument :
MSVOA_N
ClientSampled :
SP-B

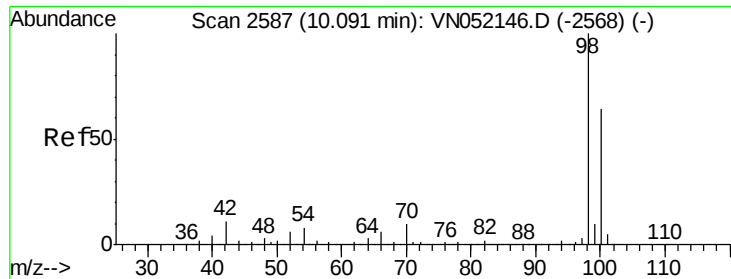
Tgt Ion: 43 Resp: 163362
Ion Ratio Lower Upper
43 100
61 18.8 15.4 23.0
87 12.6 9.8 14.8



#48
Methyl methacrylate
Concen: 1.309 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN052192.D
Acq: 6 Nov 2018 15:15

Tgt Ion: 41 Resp: 3695
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 27.8 50.5 75.7#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052192.D

Acq: 6 Nov 2018 15:15

Instrument :

MSVOA_N

ClientSampled :

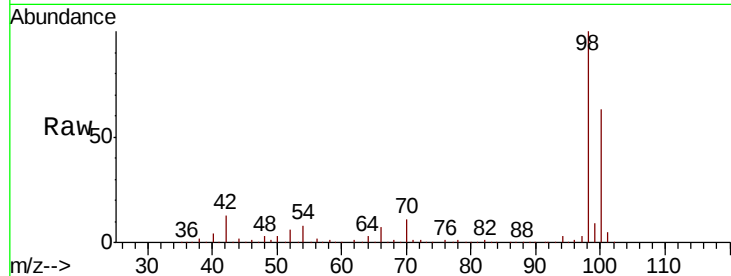
SP-B

Tgt Ion: 98 Resp: 864042

Ion Ratio Lower Upper

98 100

100 63.4 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN052146.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN052146.D (-2568) (-)

10.09

400000

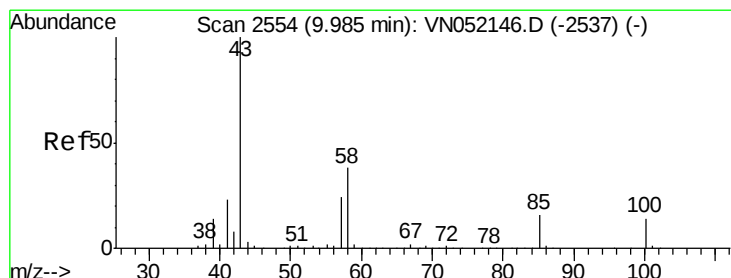
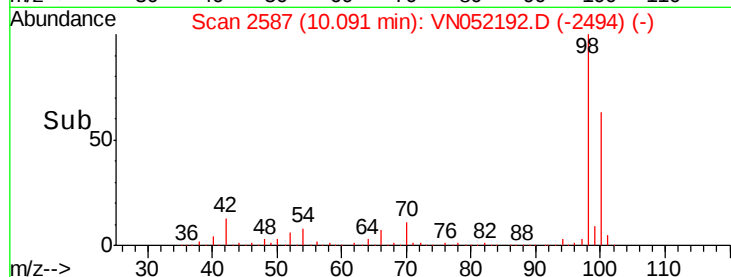
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.239 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052192.D

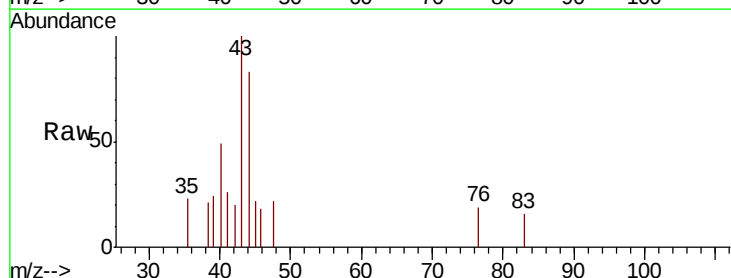
Acq: 6 Nov 2018 15:15

Tgt Ion: 43 Resp: 740

Ion Ratio Lower Upper

43 100

58 0.0 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VN052146.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN052146.D (-2537) (-)

9.98

1000

800

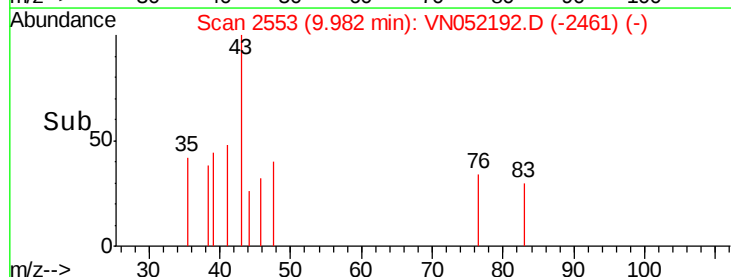
600

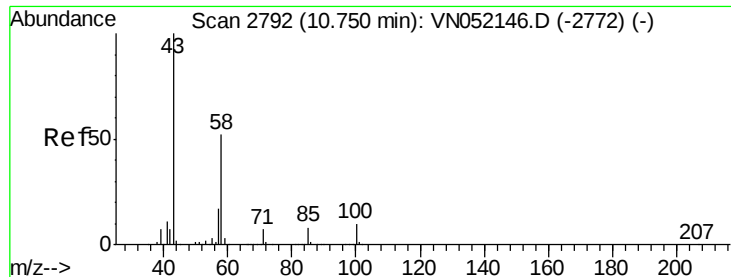
400

200

0

Time-->

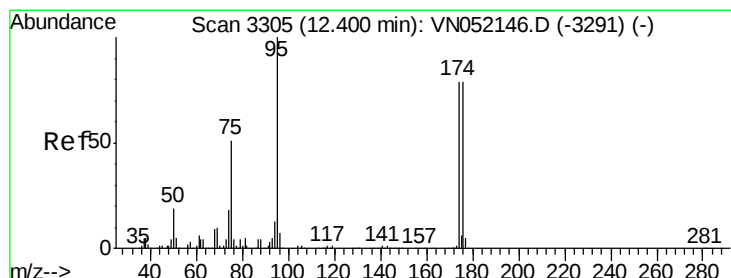
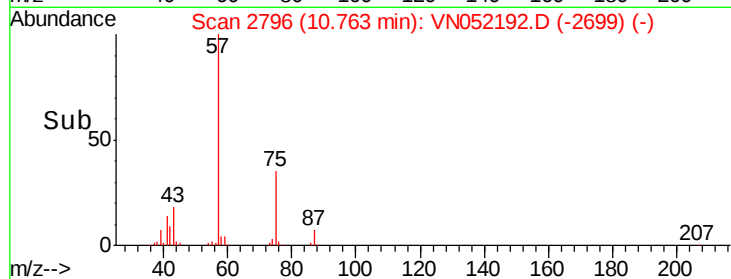
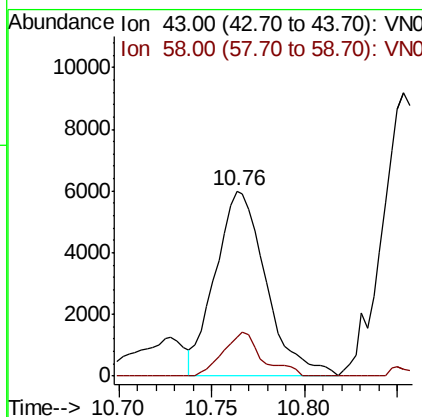
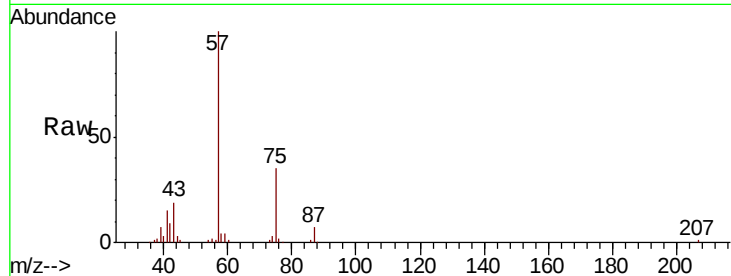




#59
2-Hexanone
Concen: 5.263 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052192.D
Acq: 6 Nov 2018 15:15

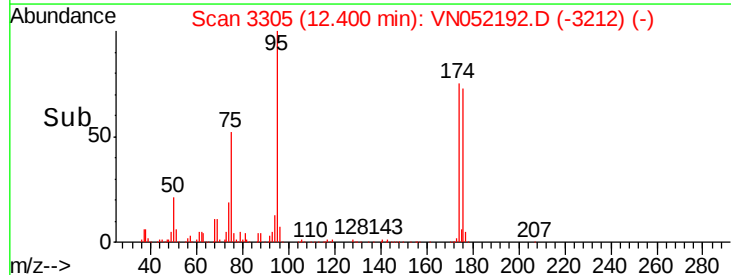
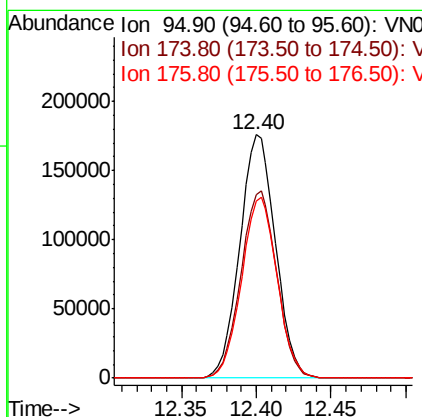
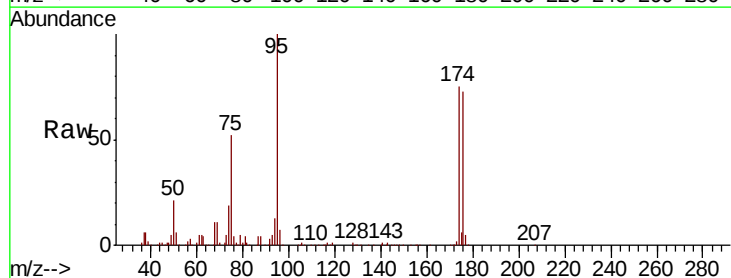
Instrument :
MSVOA_N
ClientSampled :
SP-B

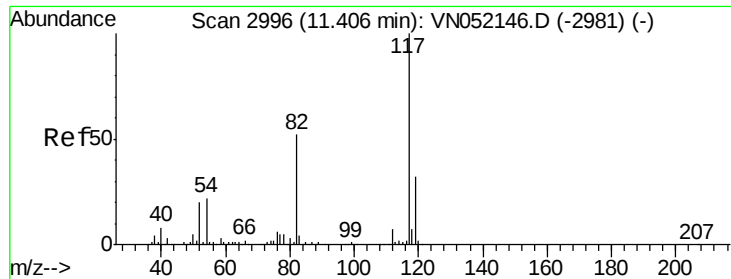
Tgt Ion: 43 Resp: 11356
Ion Ratio Lower Upper
43 100
58 18.3 25.2 75.6#



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052192.D
Acq: 6 Nov 2018 15:15

Tgt Ion: 95 Resp: 291823
Ion Ratio Lower Upper
95 100
174 77.2 0.0 131.8
176 74.2 0.0 126.0

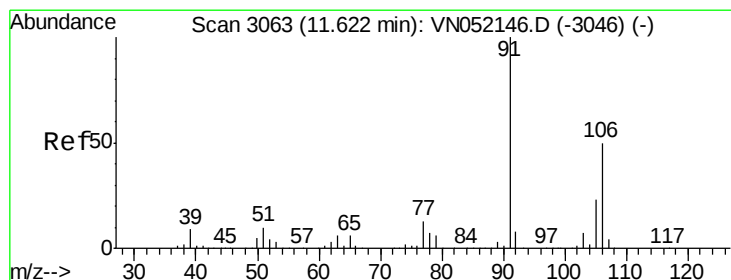
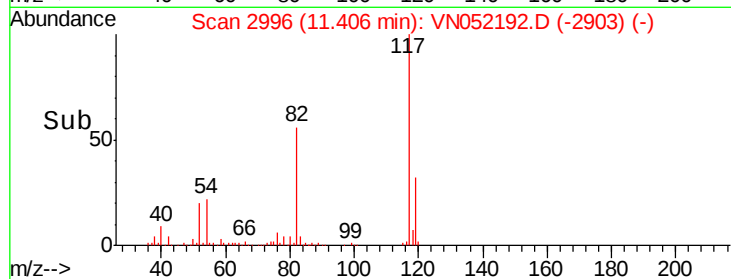
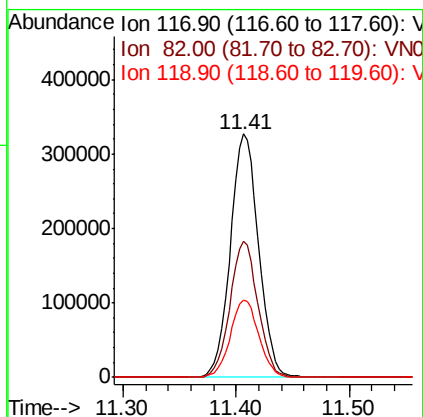
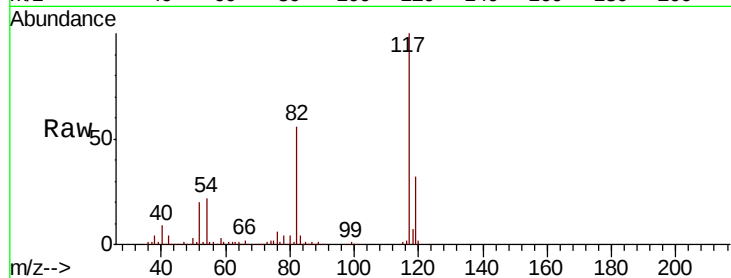




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052192.D
Acq: 6 Nov 2018 15:15

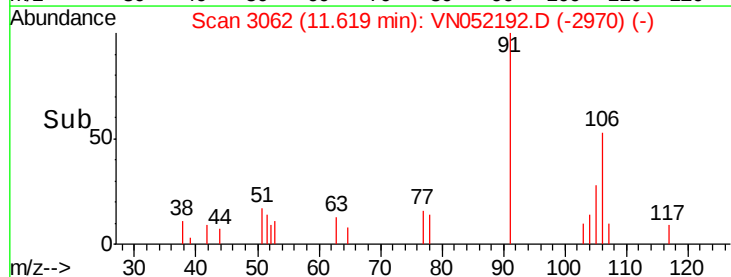
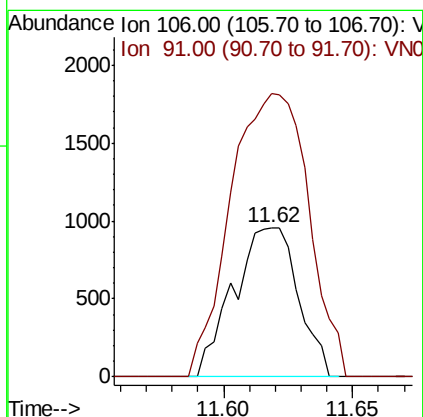
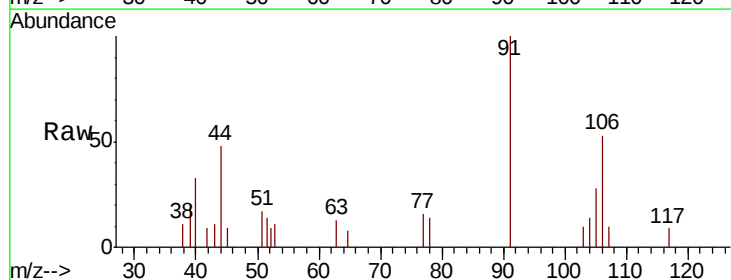
Instrument :
MSVOA_N
ClientSampleId :
SP-B

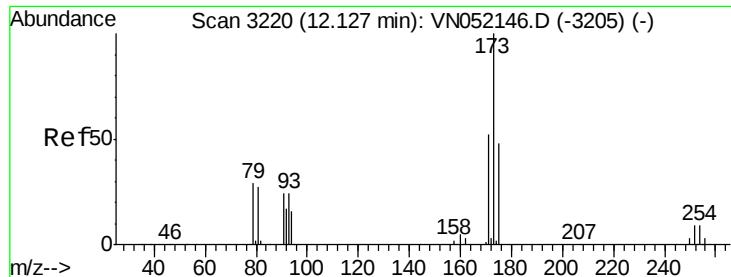
Tgt Ion:117 Resp: 566336
Ion Ratio Lower Upper
117 100
82 56.1 49.9 74.9
119 31.7 25.7 38.5



#68
m/p-Xylenes
Concen: 0.227 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052192.D
Acq: 6 Nov 2018 15:15

Tgt Ion:106 Resp: 1677
Ion Ratio Lower Upper
106 100
91 228.1 168.7 253.1





#71

Bromoform

Concen: 3.076 ug/l

RT: 12.39 min Scan# 3302

Delta R.T. 0.26 min

Lab File: VN052192.D

Acq: 6 Nov 2018 15:15

Instrument :

MSVOA_N

ClientSampled :

SP-B

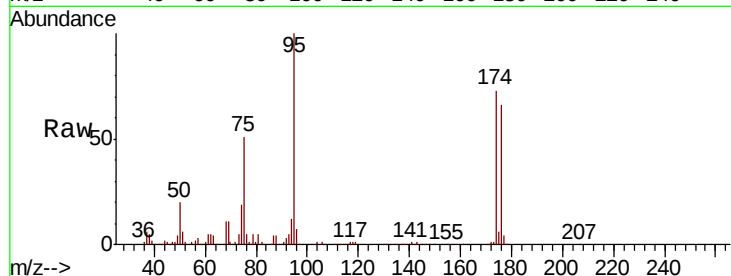
Tgt Ion:173 Resp: 769

Ion Ratio Lower Upper

173 100

175 0.0 23.9 71.7#

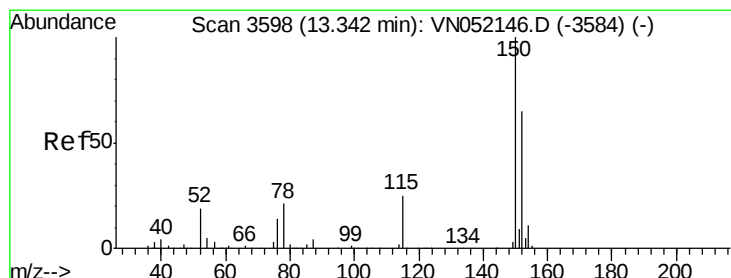
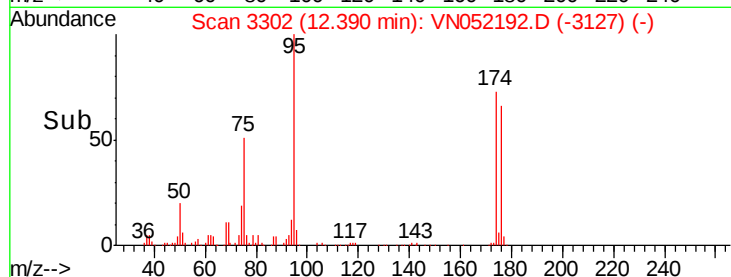
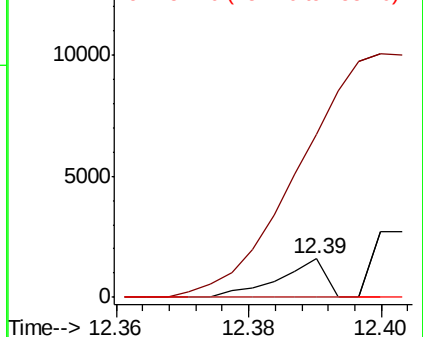
254 0.0 0.0 0.0



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: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052192.D

Acq: 6 Nov 2018 15:15

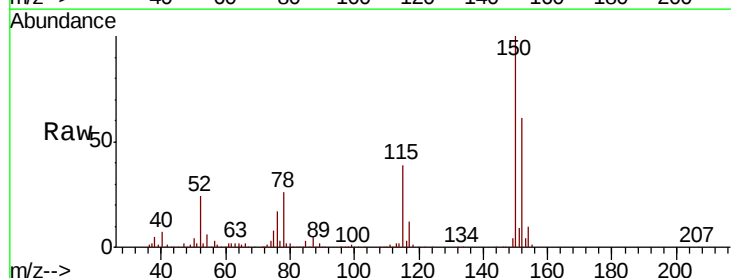
Tgt Ion:152 Resp: 234451

Ion Ratio Lower Upper

152 100

115 61.2 31.6 95.0

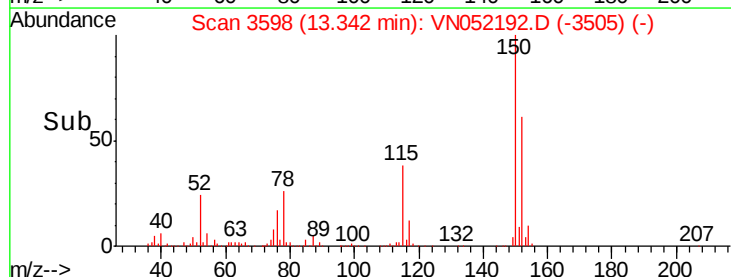
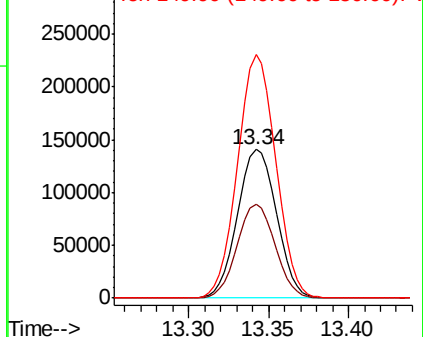
150 160.1 0.0 345.0

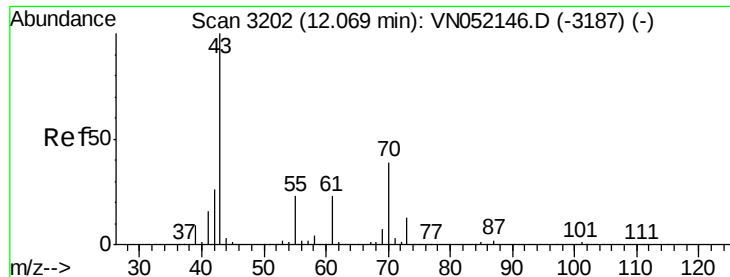


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: Below Cal

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN052192.D

Acq: 6 Nov 2018 15:15

Instrument :

MSVOA_N

ClientSampled :

SP-B

Tgt Ion: 43 Resp: 361

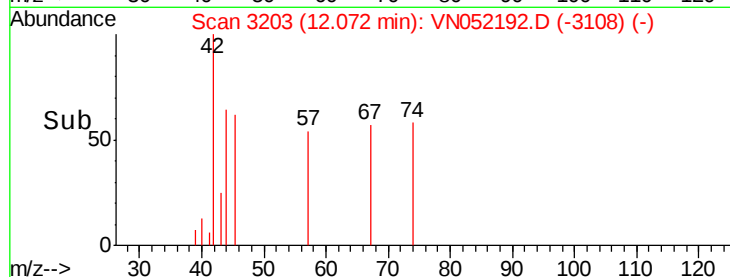
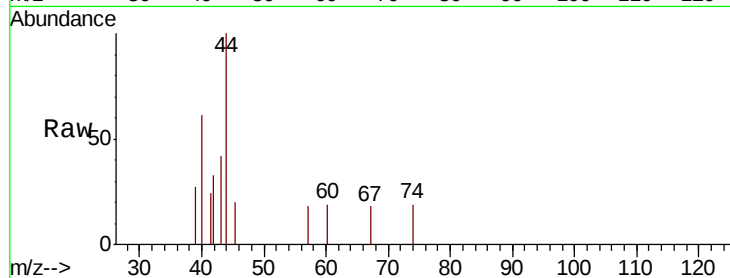
Ion Ratio Lower Upper

43 100

70 0.0 31.9 47.9#

55 9.1 18.4 27.6#

61 0.0 18.2 27.4#

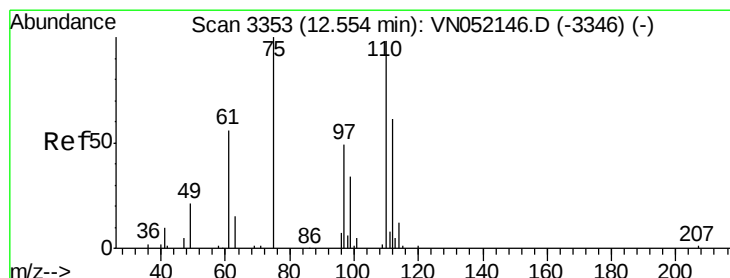
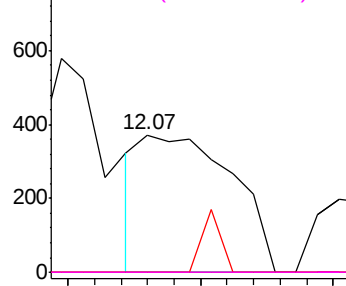


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 48.936 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052192.D

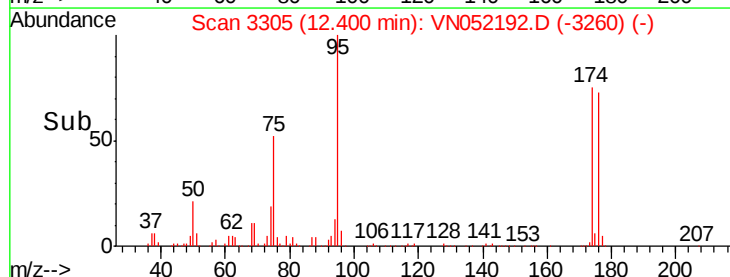
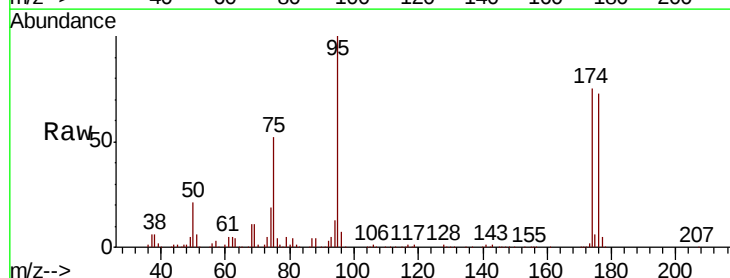
Acq: 6 Nov 2018 15:15

Tgt Ion: 75 Resp: 151647

Ion Ratio Lower Upper

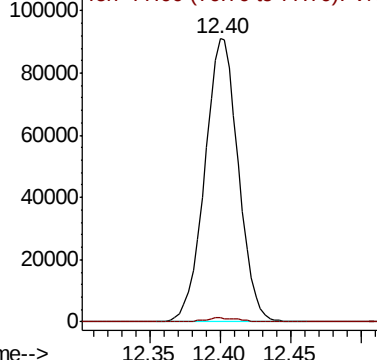
75 100

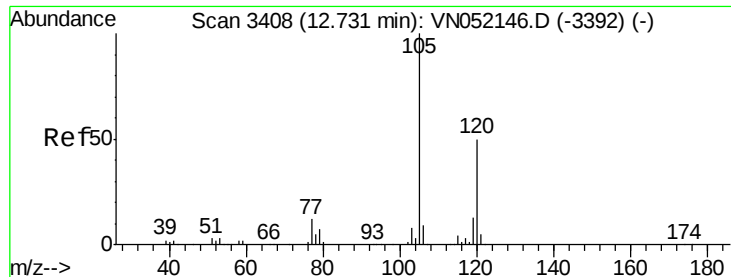
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

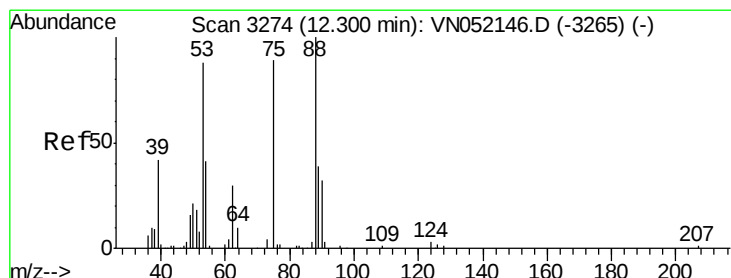
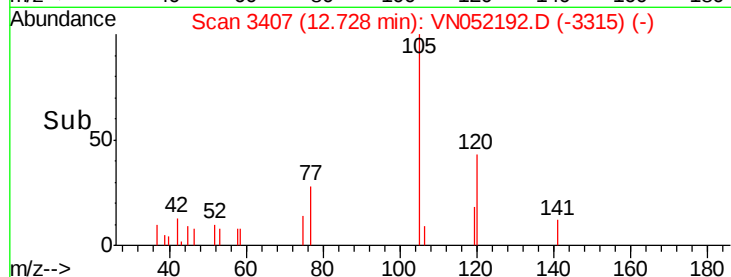
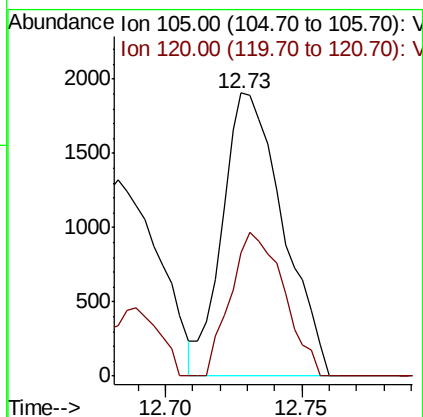
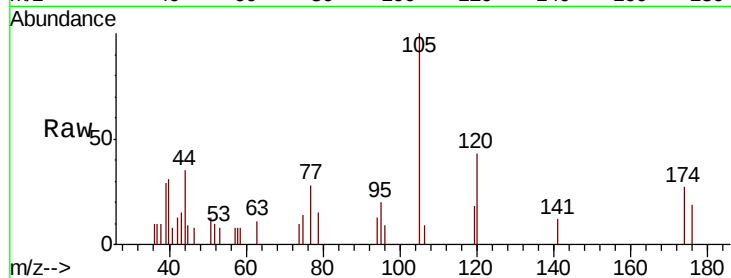




#80
 1,3,5-Trimethylbenzene
 Concen: 0.206 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN052192.D
 Acq: 6 Nov 2018 15:15

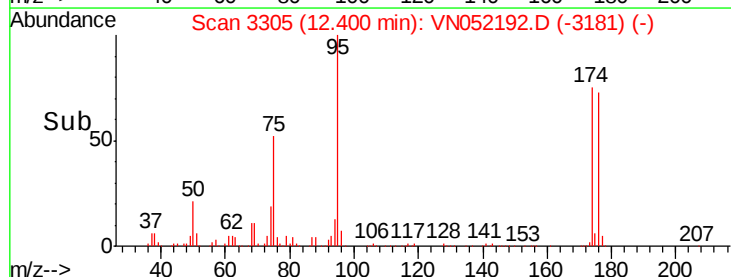
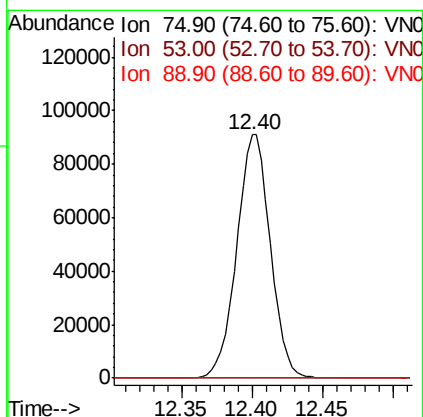
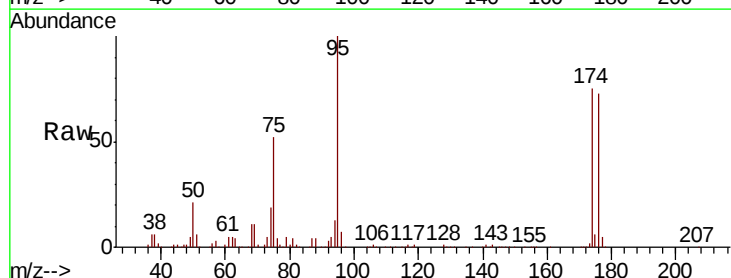
Instrument :
 MSVOA_N
 ClientSampled :
 SP-B

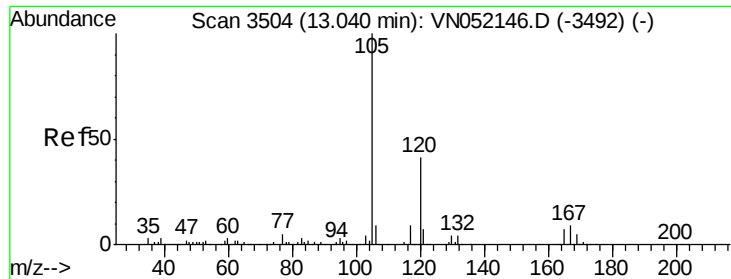
Tgt Ion: 105 Resp: 2951
 Ion Ratio Lower Upper
 105 100
 120 44.5 23.4 70.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 147.168 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN052192.D
 Acq: 6 Nov 2018 15:15

Tgt Ion: 75 Resp: 151647
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.8 122.6#
 89 0.0 36.6 54.8#

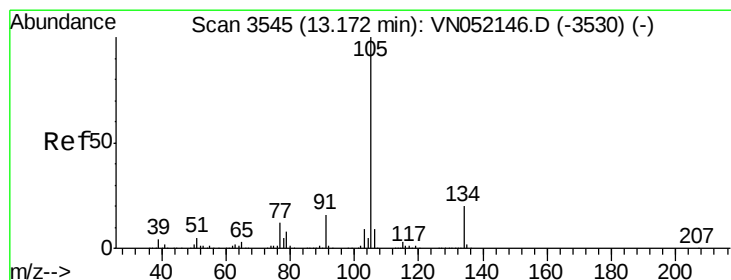
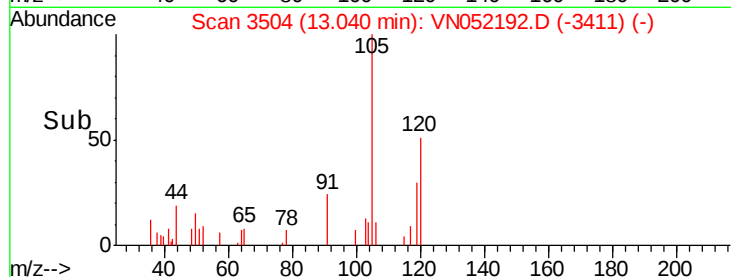
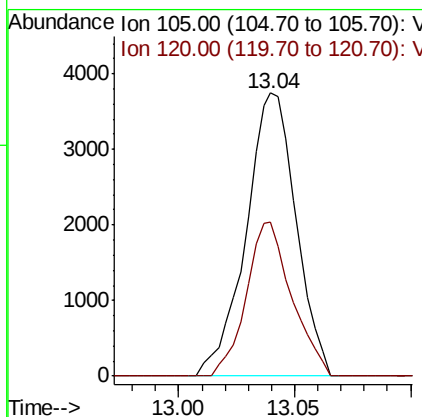
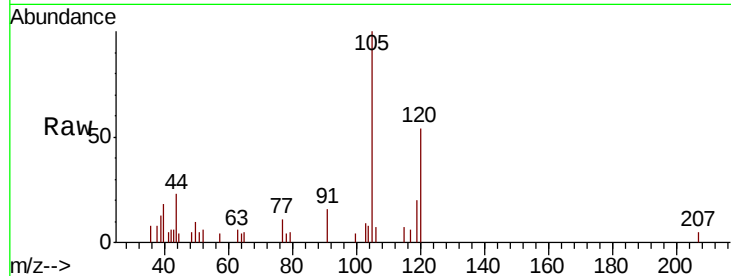




#84
 1,2,4-Trimethylbenzene
 Concen: 0.393 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052192.D
 Acq: 6 Nov 2018 15:15

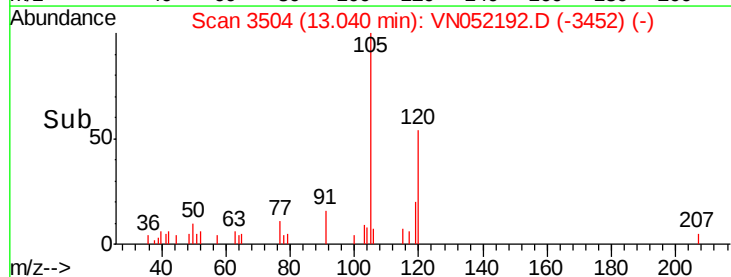
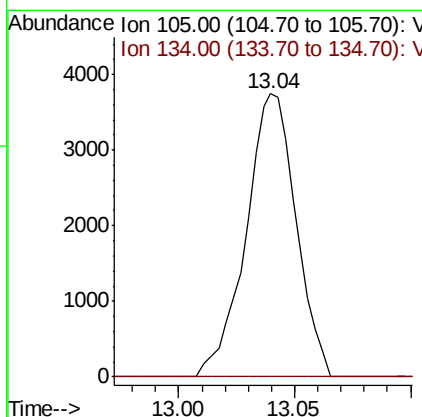
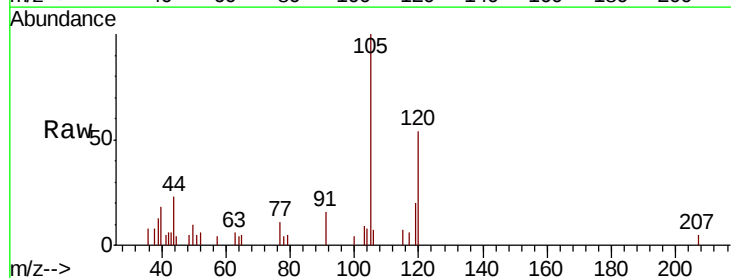
Instrument :
 MSVOA_N
 ClientSampled :
 SP-B

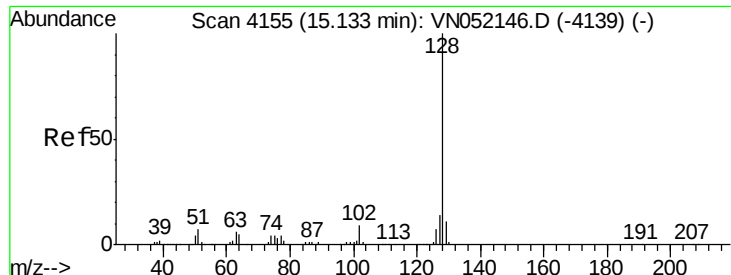
Tgt Ion:105 Resp: 5618
 Ion Ratio Lower Upper
 105 100
 120 49.4 21.9 65.5



#85
 sec-Butylbenzene
 Concen: 0.328 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.13 min
 Lab File: VN052192.D
 Acq: 6 Nov 2018 15:15

Tgt Ion:105 Resp: 5618
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.1 27.3#





#95

Naphthalene

Concen: 0.272 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052192.D

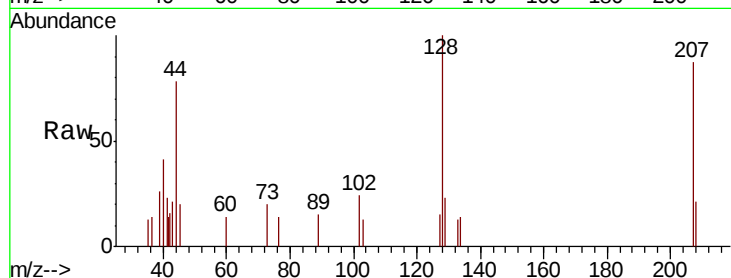
Acq: 6 Nov 2018 15:15

Instrument :

MSVOA_N

ClientSampleId :

SP-B



Tgt Ion:128 Resp: 1952

Ion Ratio Lower Upper

128 100

127 3.2 10.5 15.7#

129 6.5 8.6 12.8#

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

