

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110518\
 Data File : VN052154.D
 Acq On : 5 Nov 2018 18:33
 Operator : MD\SY
 Sample : PB114485TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114485TB

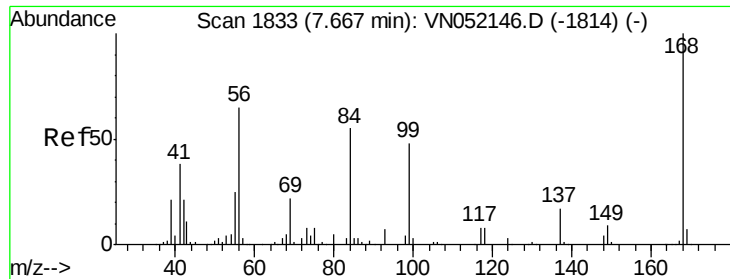
Quant Time: Nov 06 05:14:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 22:32:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	359911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	644636	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	604982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	254635	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	265241	62.15	ug/l	0.00
Spiked Amount			Recovery	=	124.30%	
35) Dibromofluoromethane	7.59	113	237992	59.46	ug/l	0.00
Spiked Amount			Recovery	=	118.92%	
50) Toluene-d8	10.09	98	944130	61.01	ug/l	0.00
Spiked Amount			Recovery	=	122.02%	
62) 4-Bromofluorobenzene	12.40	95	314905	62.00	ug/l	0.00
Spiked Amount			Recovery	=	124.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.41	74	813	0.395	ug/l #	20
13) Acrolein	3.62	56	229	33.065	ug/l #	60
16) Acetone	3.82	43	6834	7.068	ug/l	98
17) Carbon Disulfide	4.06	76	4551	0.481	ug/l #	88
18) Methyl Acetate	4.34	43	4450	1.448	ug/l #	86
20) Methylene Chloride	4.55	84	14498	3.609	ug/l	95
25) 2-Butanone	6.83	43	874	0.583	ug/l #	48
29) Tetrahydrofuran	7.20	42	246	0.265	ug/l #	55
31) Cyclohexane	7.67	56	8294	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	28188	4.943	ug/l #	50
37) Ethyl Acetate	6.92	43	223	Below Cal	#	57
38) Carbon Tetrachloride	7.67	117	37138	6.514	ug/l #	17
41) Methacrylonitrile	7.18	41	213	1.500	ug/l #	24
43) Isopropyl Acetate	8.16	43	203398	31.260	ug/l #	89
48) Methyl methacrylate	9.18	41	4744	1.515	ug/l #	16
49) 1,4-Dioxane	9.14	88	73	Below Cal	#	21
51) 4-Methyl-2-Pentanone	9.98	43	848	0.247	ug/l	94
59) 2-Hexanone	10.76	43	11548	4.826	ug/l #	57
68) m/p-Xylenes	11.62	106	2102	0.266	ug/l #	70
71) Bromoform	12.39	173	3182	3.883	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	155922	38.910	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	155922	139.323	ug/l #	10
87) 1,3-Dichlorobenzene	13.28	146	1773	0.219	ug/l	94
88) 1,4-Dichlorobenzene	13.28	146	1773	0.219	ug/l	94
89) n-Butylbenzene	13.62	91	3829	0.282	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	1887	0.248	ug/l	90
92) 1,2-Dibromo-3-Chloropropan	14.27	75	171	0.307	ug/l #	25
93) 1,2,4-Trichlorobenzene	14.91	180	2692	2.952	ug/l	81
94) Hexachlorobutadiene	15.01	225	1429	0.460	ug/l	90
95) Naphthalene	15.13	128	7322	0.939	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.31	180	2959	2.654	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052154.D

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ClientSampleId :

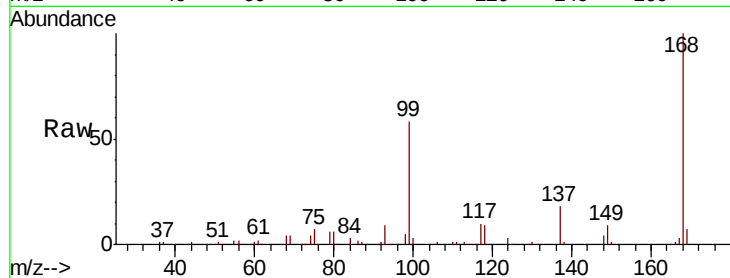
PB114485TB

Tot Ion:168 Resp: 359911

Ion Ratio Lower Upper

168 100

99 58.1 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): VN052154.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052154.D (-1740) (-)

7.67

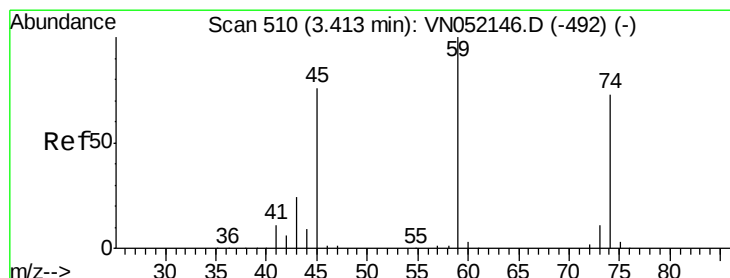
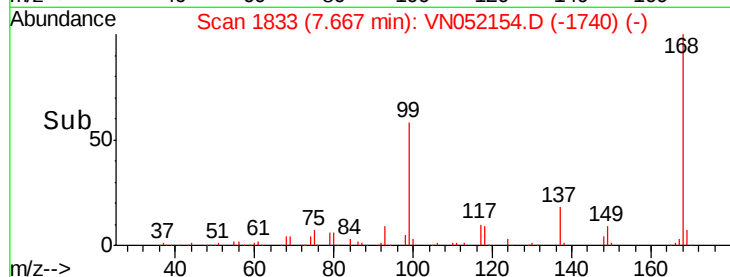
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#8

Diethyl Ether

Concen: 0.395 ug/l

RT: 3.41 min Scan# 509

Delta R.T. -0.00 min

Lab File: VN052154.D

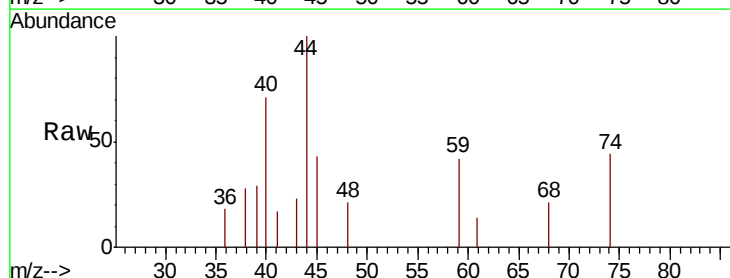
Acq: 5 Nov 2018 18:33

Tgt Ion: 74 Resp: 813

Ion Ratio Lower Upper

74 100

45 19.2 49.1 147.3#



Abundance Ion 74.00 (73.70 to 74.70): VN052154.D (-417) (-)

Ion 45.00 (44.70 to 45.70): VN052154.D (-417) (-)

3.41

500

400

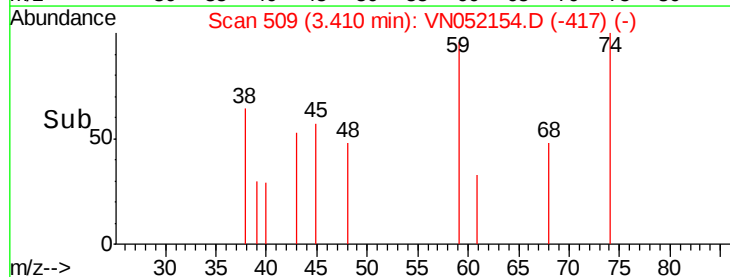
300

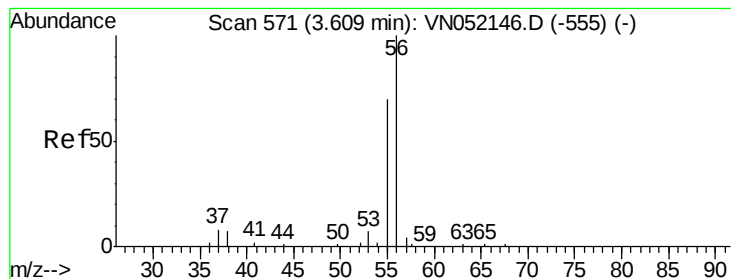
200

100

0

Time--> 3.38 3.40 3.42 3.44





#13

Acrolein

Concen: 33.065 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN052154.D

Acq: 5 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampleId :

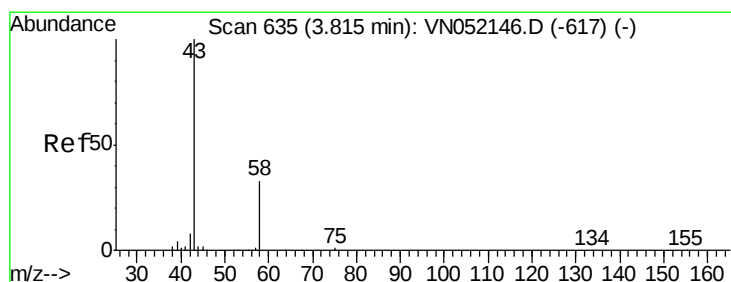
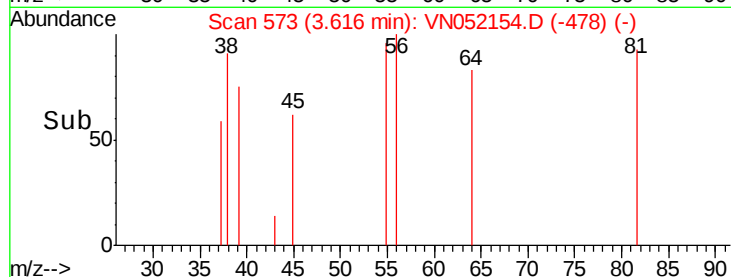
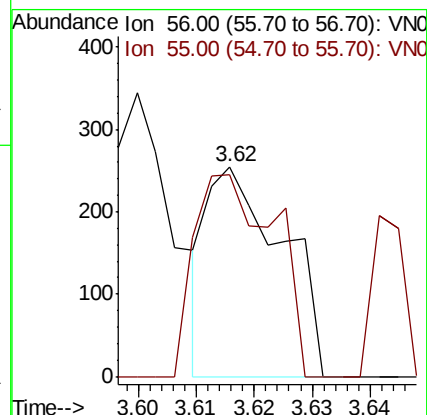
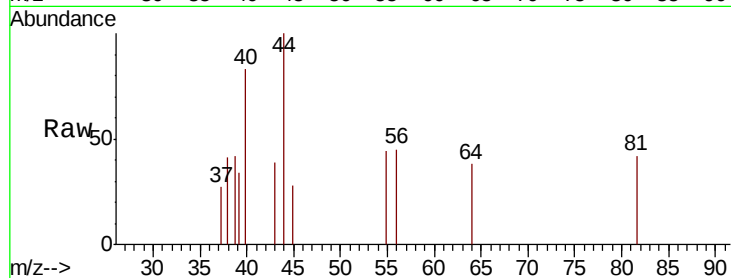
PB114485TB

Tot Ion: 56 Resp: 229

Ion Ratio Lower Upper

56 100

55 103.5 56.6 84.8#



#16

Acetone

Concen: 7.068 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052154.D

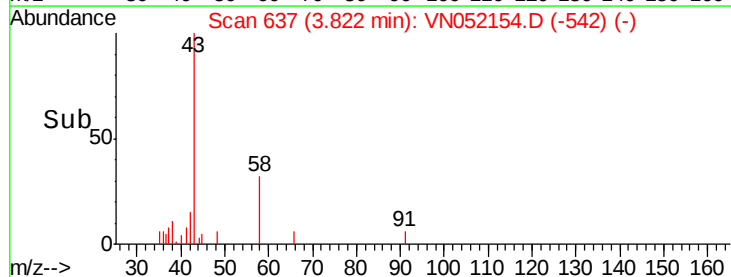
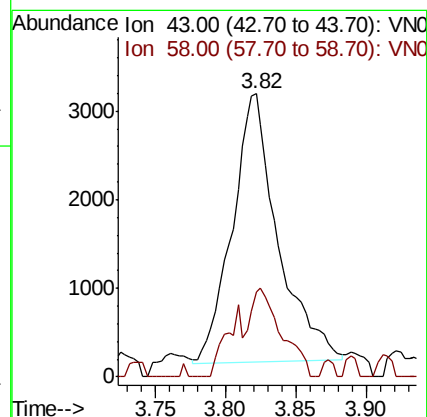
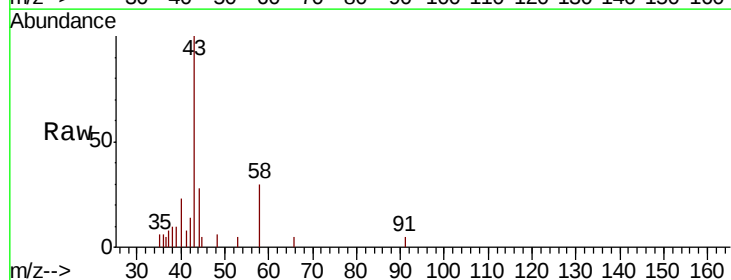
Acq: 5 Nov 2018 18:33

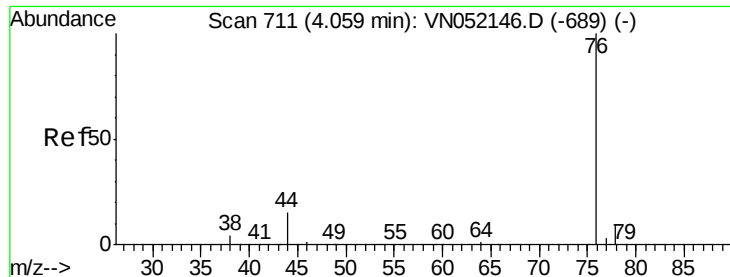
Tgt Ion: 43 Resp: 6834

Ion Ratio Lower Upper

43 100

58 31.8 26.2 39.2

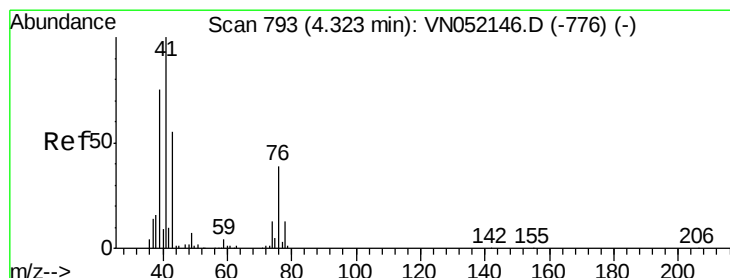
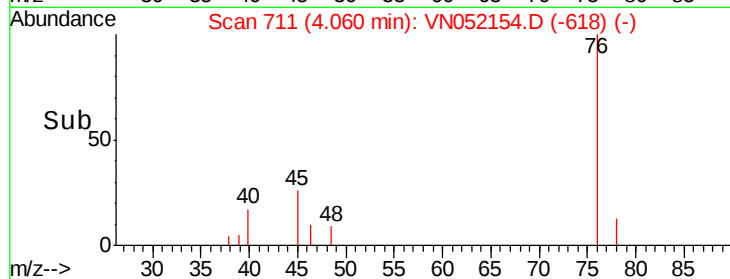
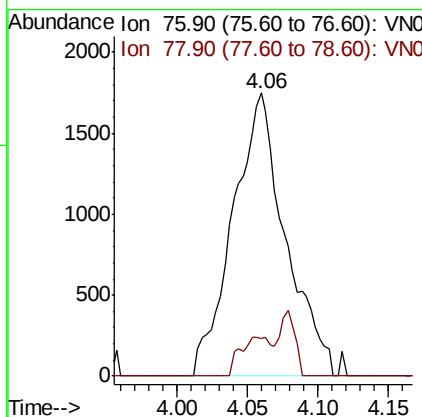
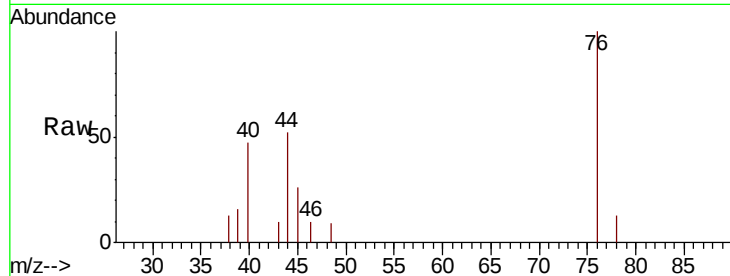




#17
Carbon Disulfide
Concen: 0.481 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052154.D
Acq: 5 Nov 2018 18:33

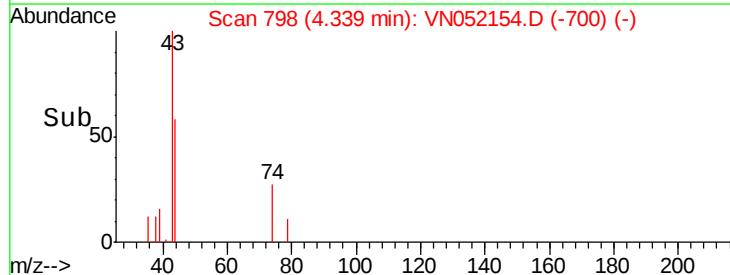
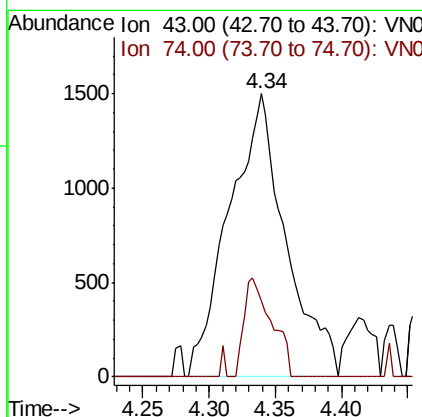
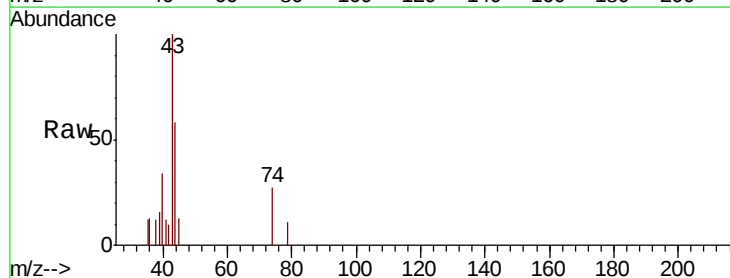
Instrument :
MSVOA_N
ClientSampled :
PB114485TB

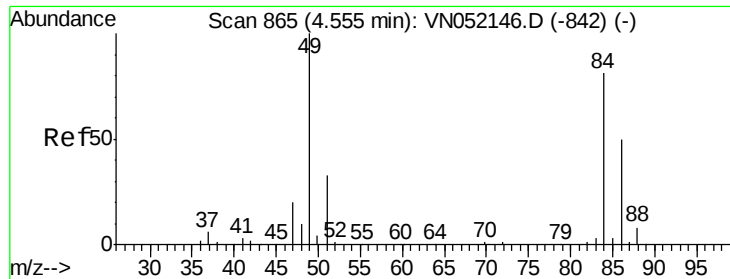
Tot Ion: 76 Resp: 4551
Ion Ratio Lower Upper
76 100
78 13.2 7.0 10.6#



#18
Methyl Acetate
Concen: 1.448 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.02 min
Lab File: VN052154.D
Acq: 5 Nov 2018 18:33

Tgt Ion: 43 Resp: 4450
Ion Ratio Lower Upper
43 100
74 17.0 19.3 28.9#

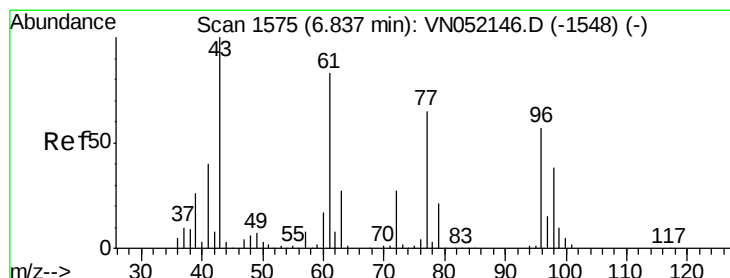
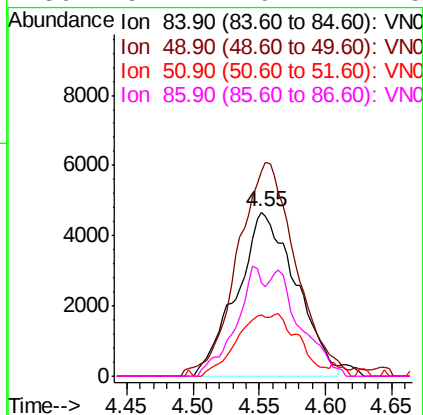
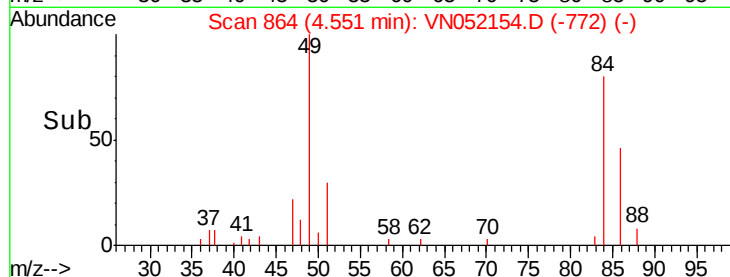
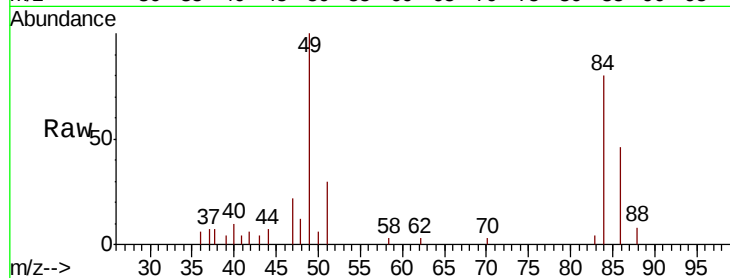




#20
Methvlene Chloride
Concen: 3.609 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052154.D
Acq: 5 Nov 2018 18:33

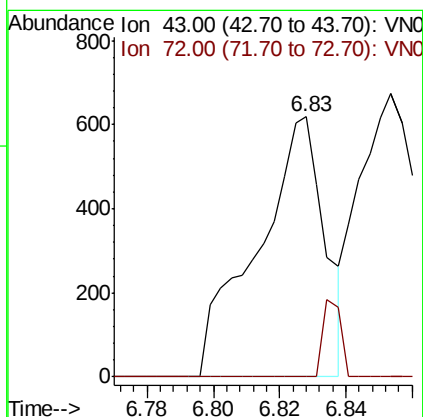
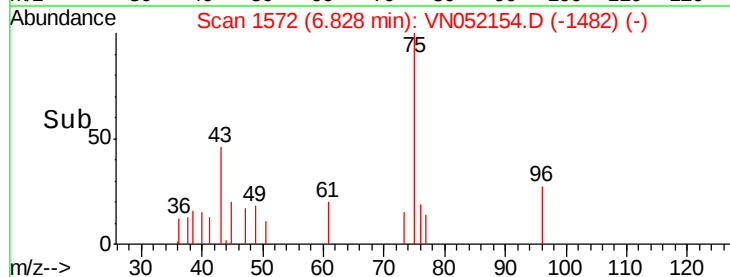
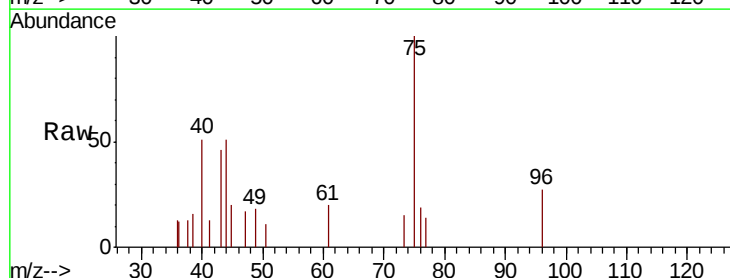
Instrument :
MSVOA_N
ClientSampled :
PB114485TB

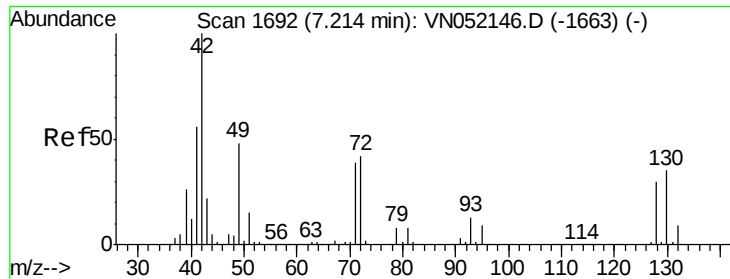
Tot Ion: 84 Resp: 14498
Ion Ratio Lower Upper
84 100
49 120.2 98.4 147.6
51 33.5 32.5 48.7
86 57.2 49.7 74.5



#25
2-Butanone
Concen: 0.583 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VN052154.D
Acq: 5 Nov 2018 18:33

Tgt Ion: 43 Resp: 874
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#





#29

Tetrahydrofuran

Concen: 0.265 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VN052154.D

Acq: 5 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampleId :

PB114485TB

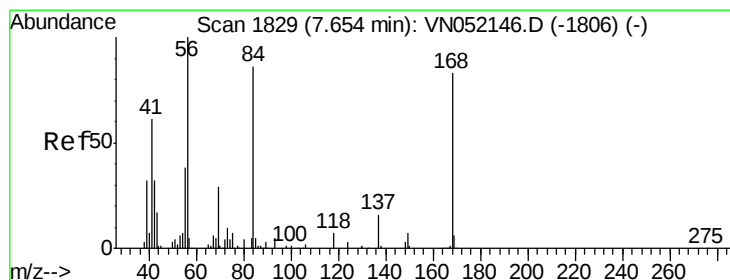
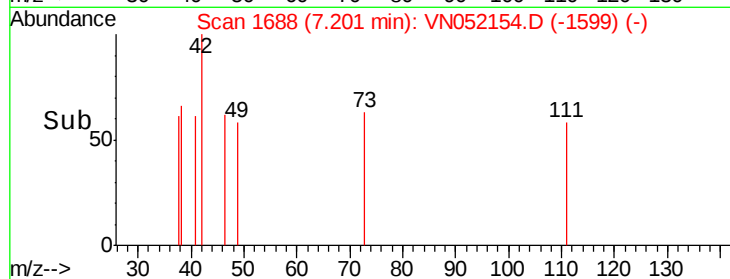
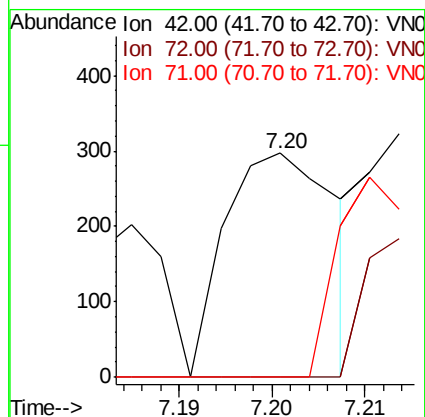
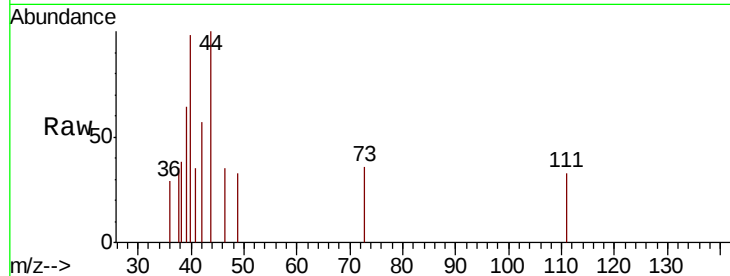
Tot Ion: 42 Resp: 246

Ion Ratio Lower Upper

42 100

72 0.0 32.3 48.5#

71 54.1 31.0 46.6#



#31

Cyclohexane

Concen: Below Cal

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN052154.D

Acq: 5 Nov 2018 18:33

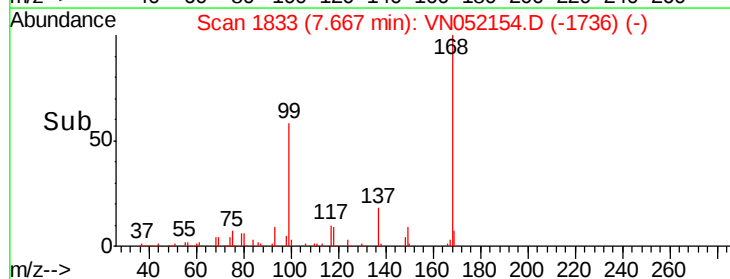
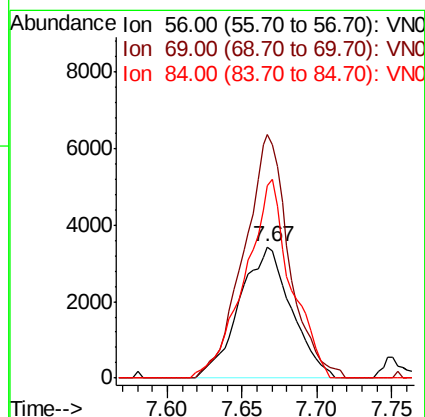
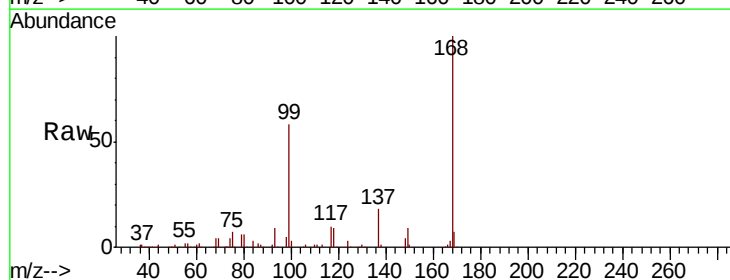
Tgt Ion: 56 Resp: 8294

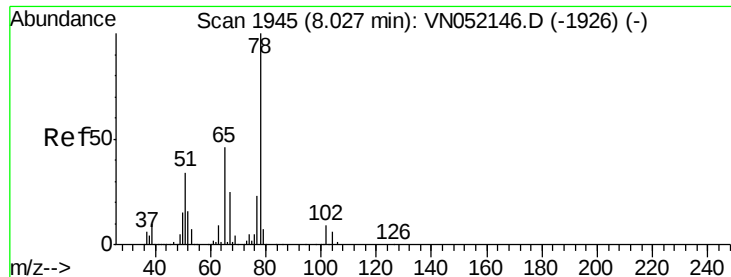
Ion Ratio Lower Upper

56 100

69 185.1 23.5 35.3#

84 146.1 68.7 103.1#

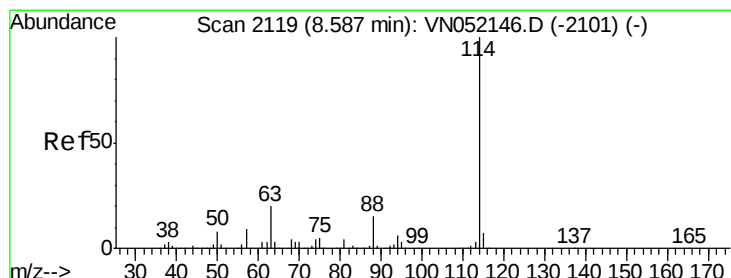
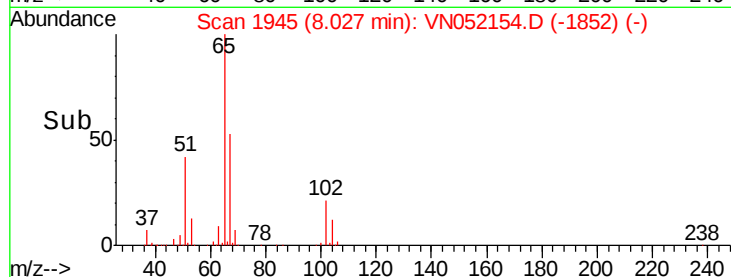
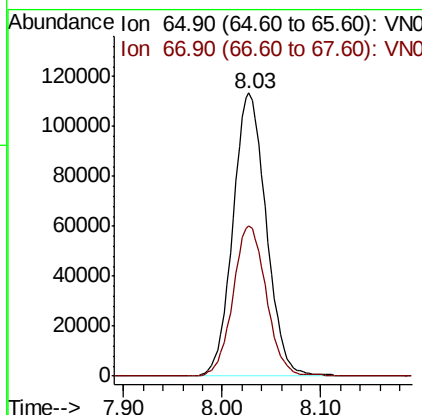
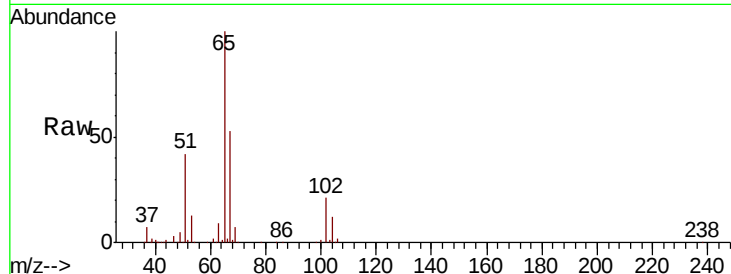




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052154.D
 Acq: 5 Nov 2018 18:33

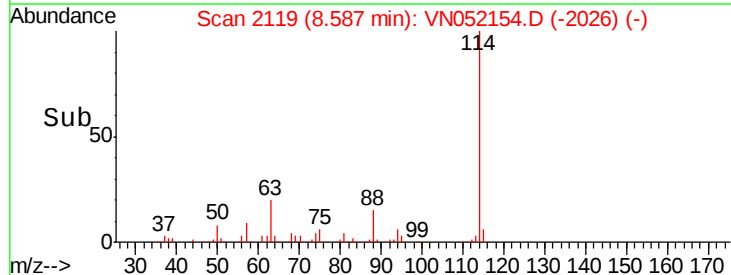
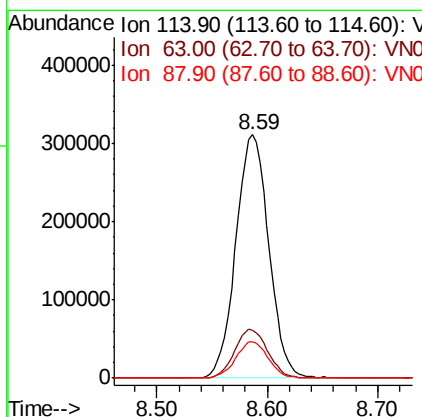
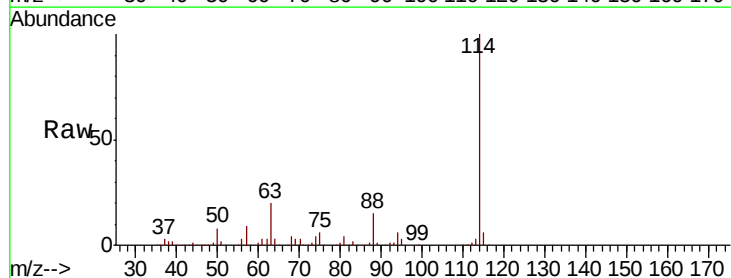
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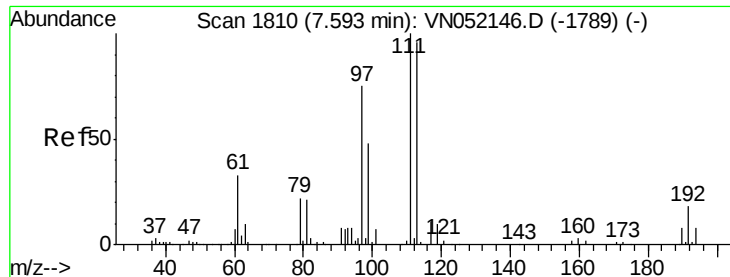
Tot Ion: 65 Resp: 265241
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052154.D
 Acq: 5 Nov 2018 18:33

Tgt Ion: 114 Resp: 644636
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 14.9 0.0 31.0

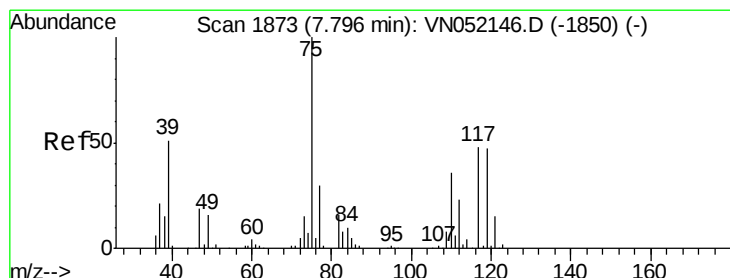
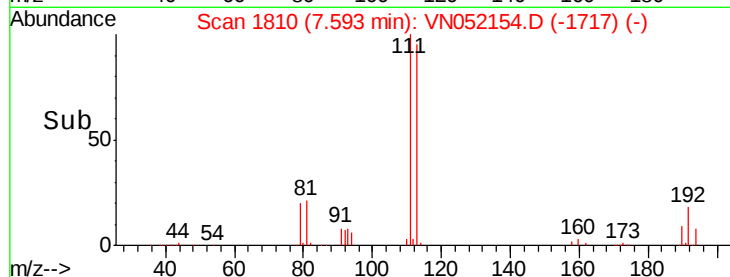
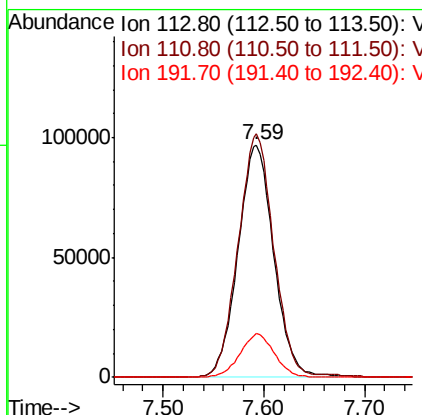
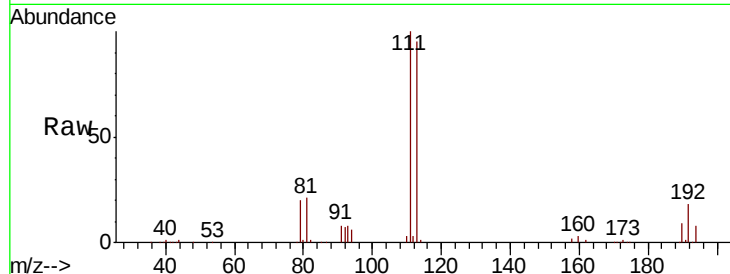




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052154.D
 Acq: 5 Nov 2018 18:33

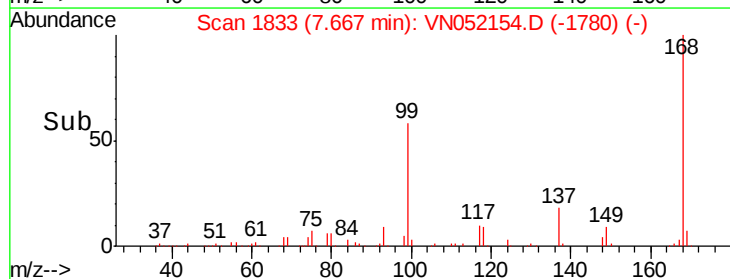
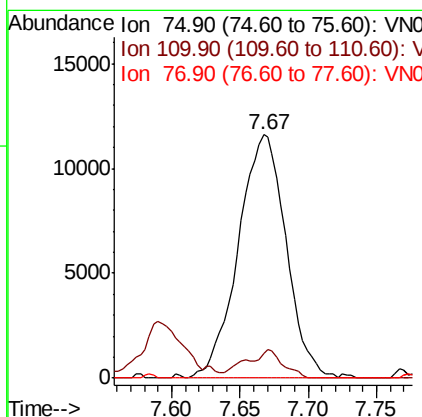
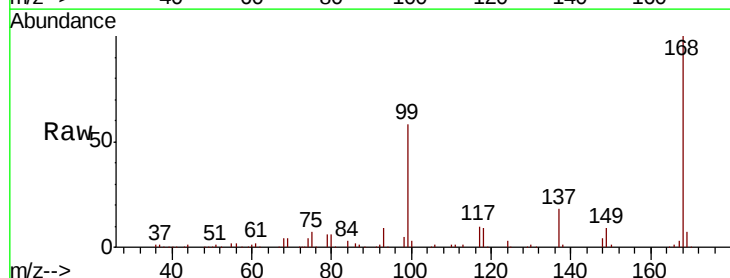
Instrument :
 MSVOA_N
 ClientSampleId :
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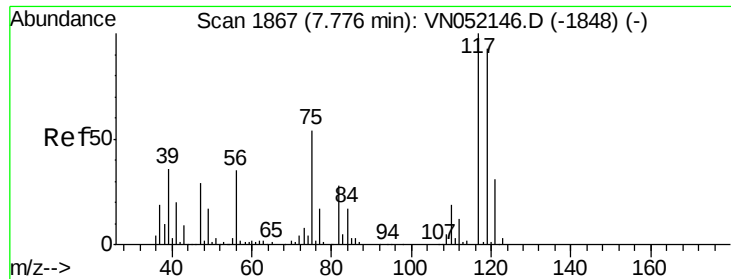
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.9	81.7	122.5
192	18.1	14.2	21.4



#36
 1,1-Dichloropropene
 Concen: 4.943 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052154.D
 Acq: 5 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.8	53.5#
77	0.0	24.0	36.0#





#38

Carbon Tetrachloride

Concen: 6.514 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052154.D

Acq: 5 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampleId :

PB114485TB

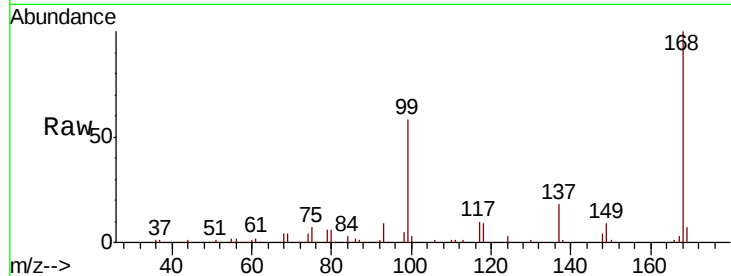
Tot Ion:117 Resp: 37138

Ion Ratio Lower Upper

117 100

119 4.5 74.7 112.1#

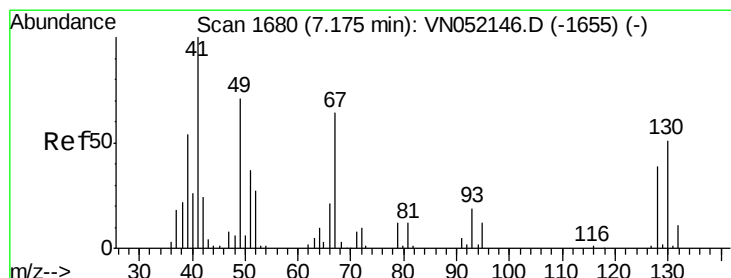
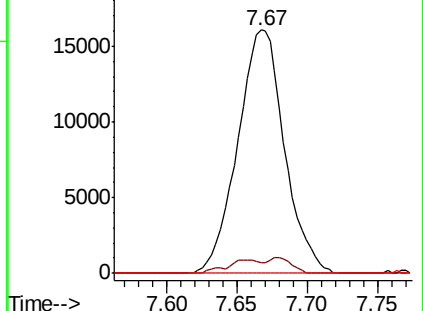
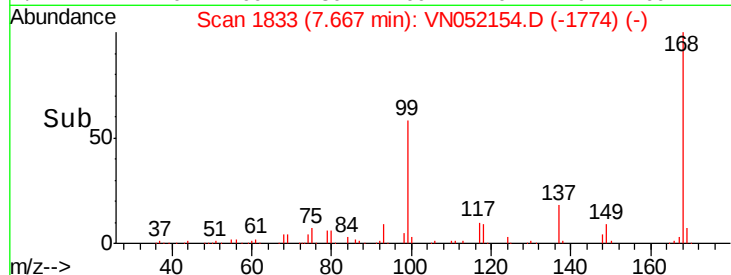
121 0.0 24.5 36.7#



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



#41

Methacrylonitrile

Concen: 1.500 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN052154.D

Acq: 5 Nov 2018 18:33

Tgt Ion: 41 Resp: 213

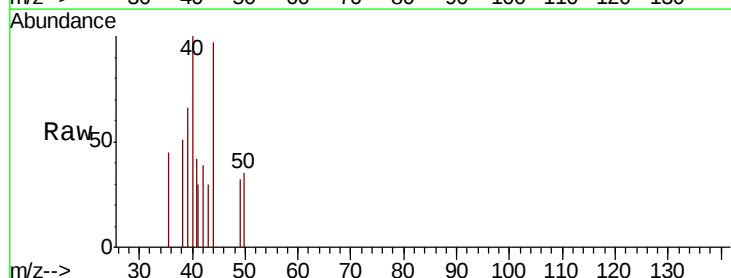
Ion Ratio Lower Upper

41 100

39 111.3 49.6 74.4#

67 0.0 65.4 98.2#

52 0.0 27.2 40.8#

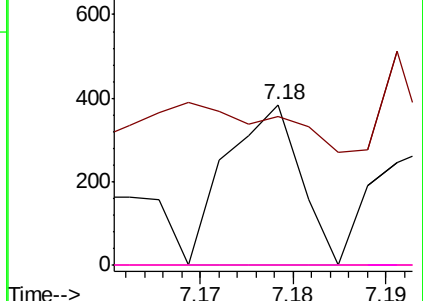
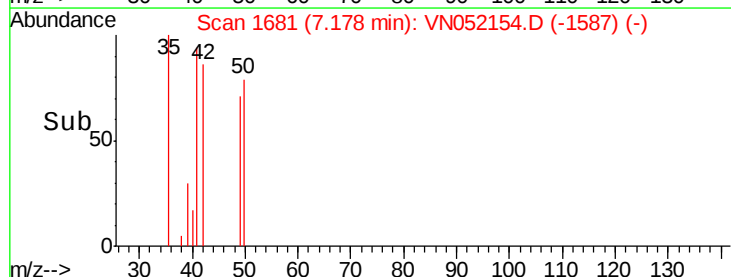


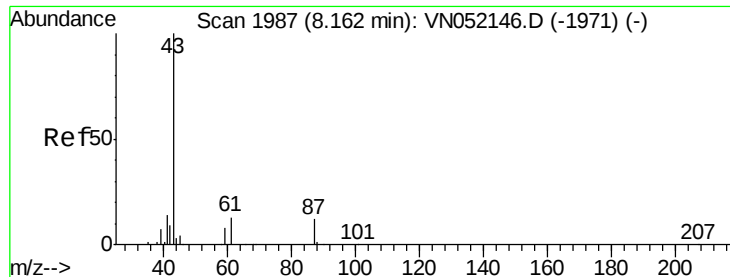
Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC





#43

Isopropyl Acetate

Concen: 31.260 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052154.D

Acq: 5 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampleId :

PB114485TB

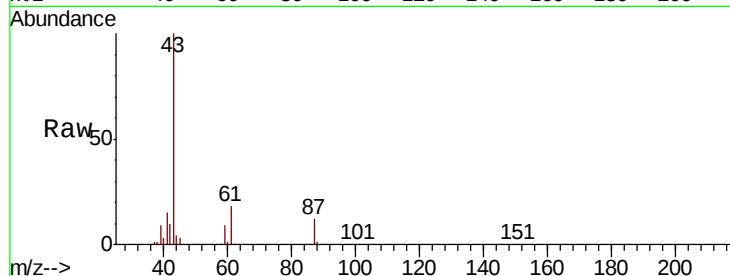
Tot Ion: 43 Resp: 203398

Ion Ratio Lower Upper

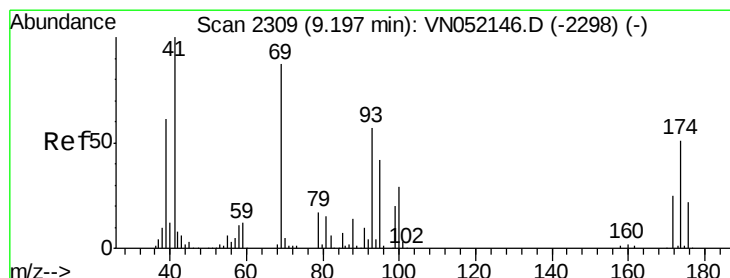
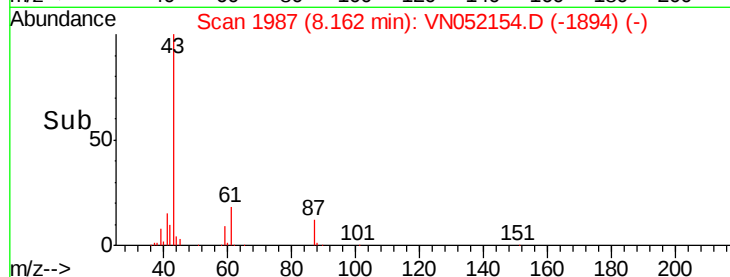
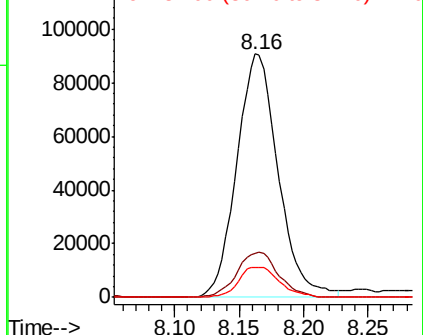
43 100

61 18.8 21.5 32.3#

87 12.3 10.2 15.2



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



#48

Methyl methacrylate

Concen: 1.515 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. -0.02 min

Lab File: VN052154.D

Acq: 5 Nov 2018 18:33

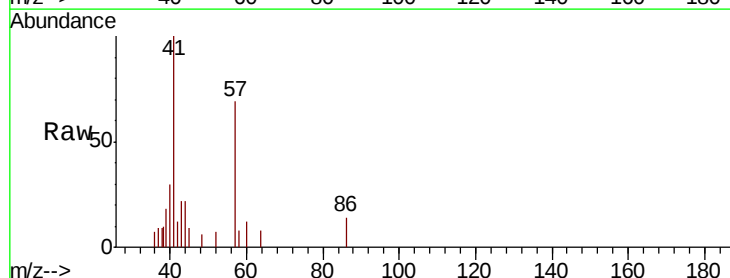
Tgt Ion: 41 Resp: 4744

Ion Ratio Lower Upper

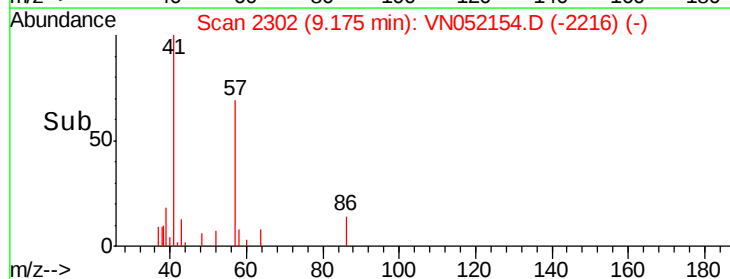
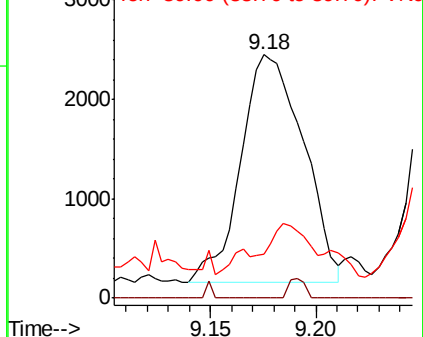
41 100

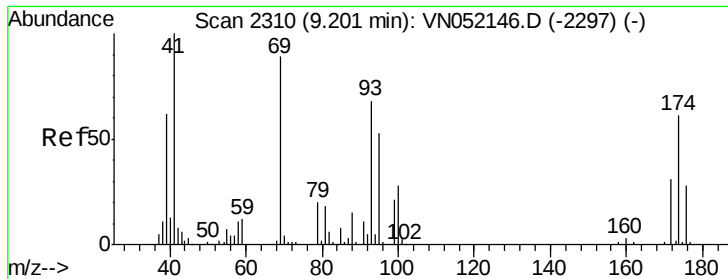
69 2.2 69.7 104.5#

39 6.3 50.6 76.0#



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





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.14 min Scan# 2291

Delta R.T. -0.06 min

Lab File: VN052154.D

Acq: 5 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampleId :

PB114485TB

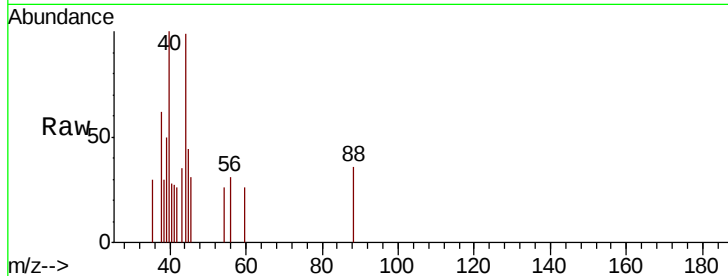
Tot Ion: 88 Resp: 73

Ion Ratio Lower Upper

88 100

43 0.0 33.0 49.6#

58 0.0 58.6 88.0#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

400

300

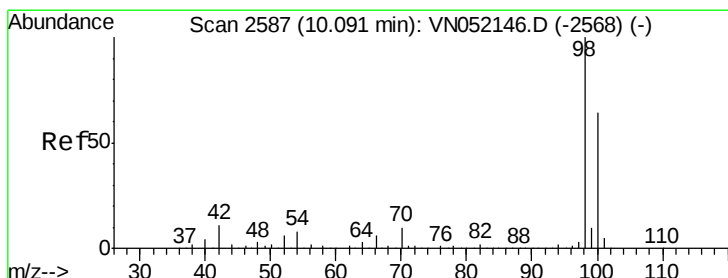
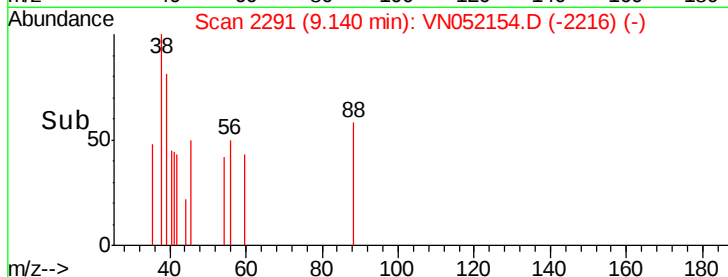
200

100

0

9.13 9.14 9.15

Time-->



#50

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052154.D

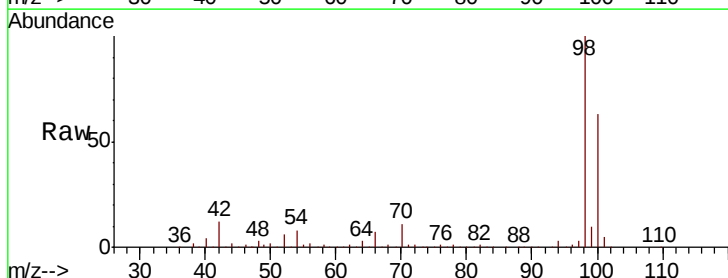
Acq: 5 Nov 2018 18:33

Tgt Ion: 98 Resp: 944130

Ion Ratio Lower Upper

98 100

100 62.7 50.5 75.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

600000

500000

400000

300000

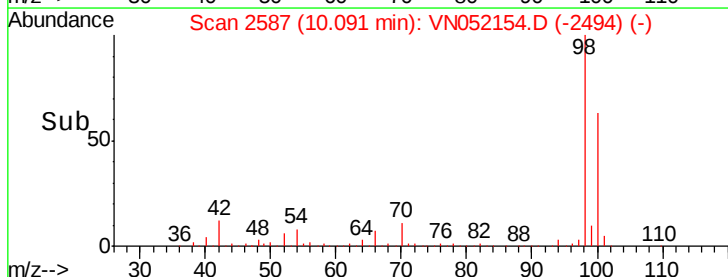
200000

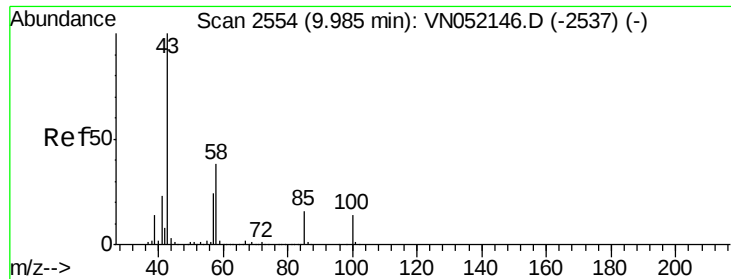
100000

0

10.00 10.10 10.20

Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.247 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052154.D

Acq: 5 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampled :

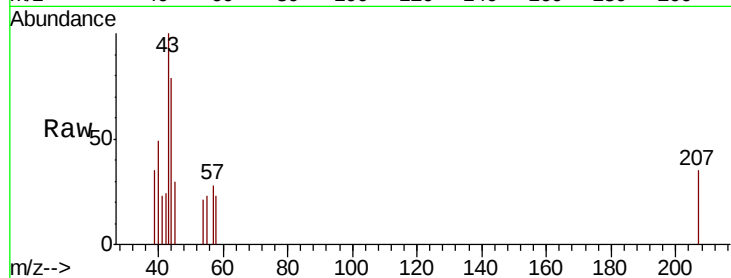
PB114485TB

Tot Ion: 43 Resp: 848

Ion Ratio Lower Upper

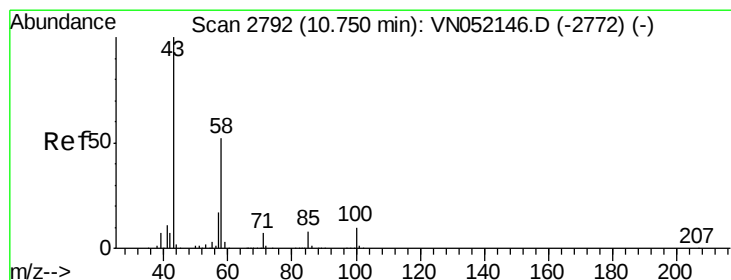
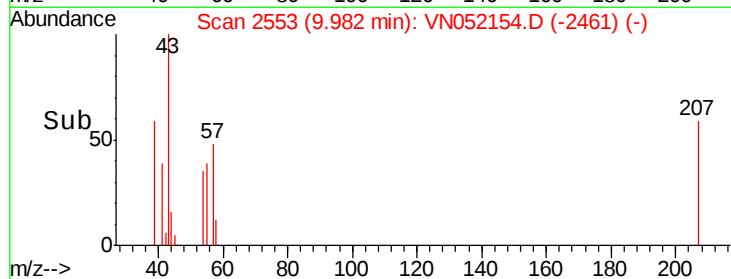
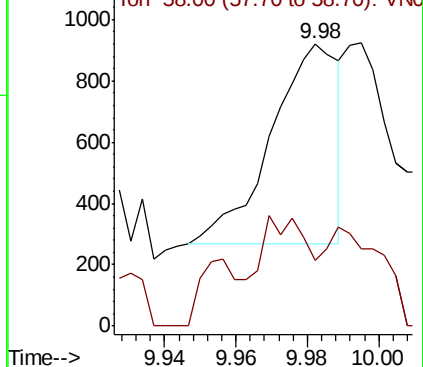
43 100

58 40.4 29.6 44.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#59

2-Hexanone

Concen: 4.826 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN052154.D

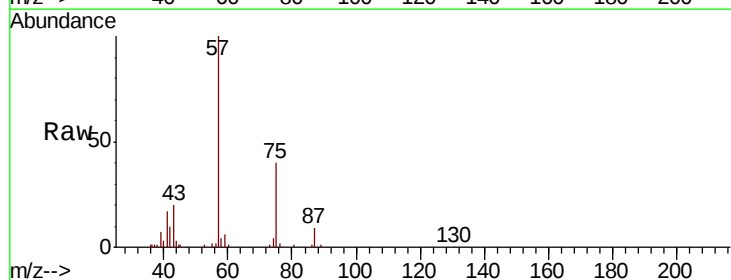
Acq: 5 Nov 2018 18:33

Tgt Ion: 43 Resp: 11548

Ion Ratio Lower Upper

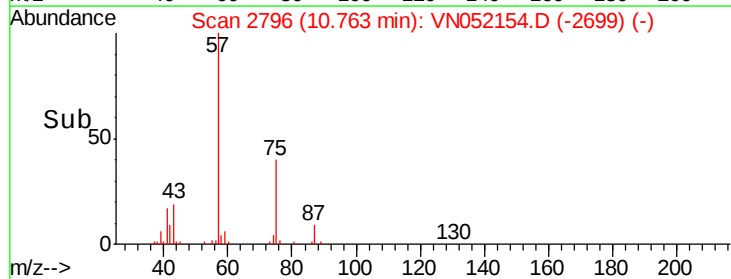
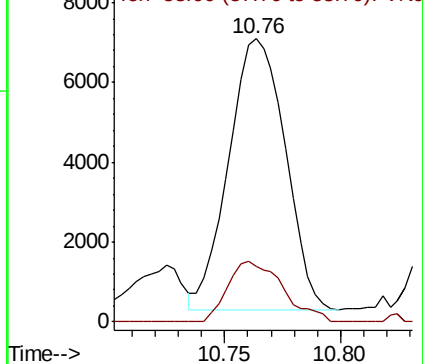
43 100

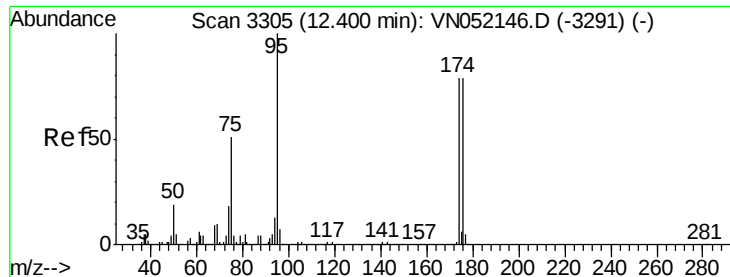
58 21.7 25.8 77.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052154.D

Acq: 5 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampled :

PB114485TB

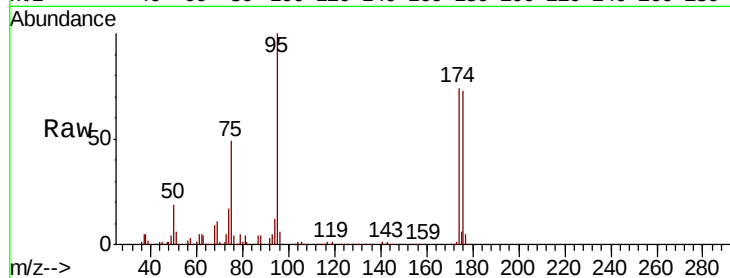
Tot Ion: 95 Resp: 314905

Ion Ratio Lower Upper

95 100

174 76.8 0.0 162.6

176 74.7 0.0 155.4



Abundance Ion 94.90 (94.60 to 95.60): VN052146.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN052146.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN052146.D (-3291) (-)

12.40

250000

200000

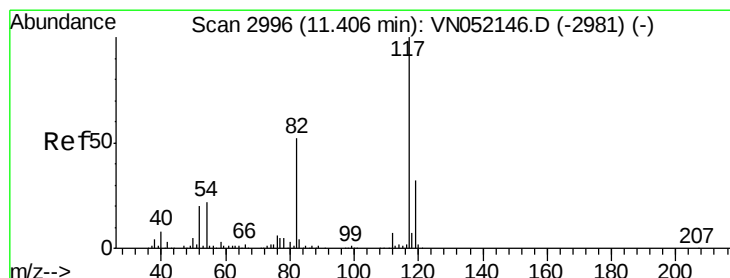
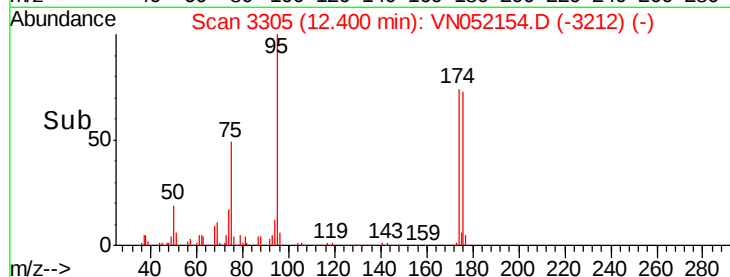
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052154.D

Acq: 5 Nov 2018 18:33

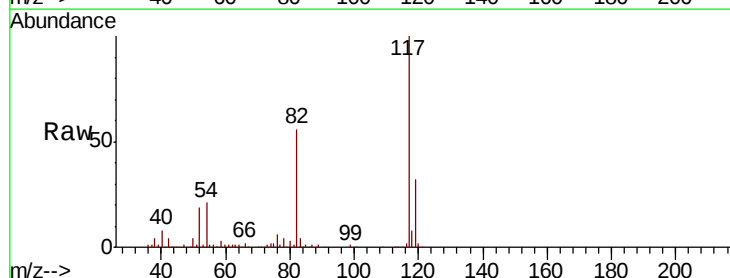
Tgt Ion: 117 Resp: 604982

Ion Ratio Lower Upper

117 100

82 55.5 41.9 62.9

119 32.3 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): VN052146.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN052146.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN052146.D (-2981) (-)

11.41

400000

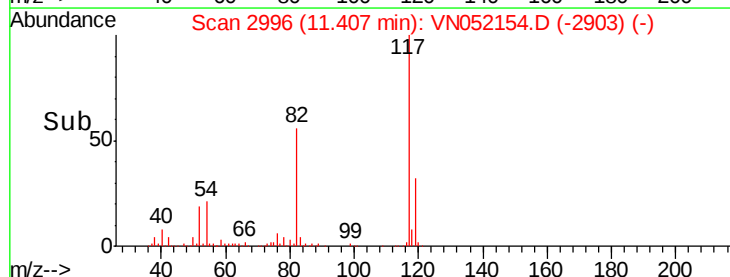
300000

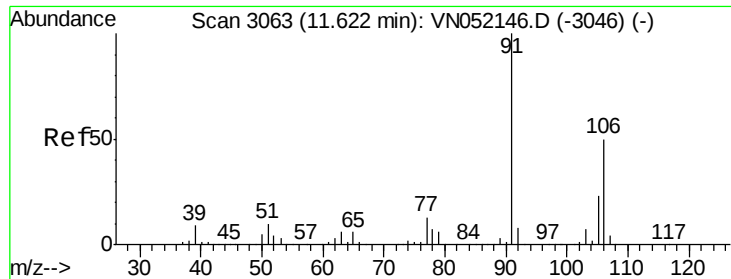
200000

100000

0

Time-->

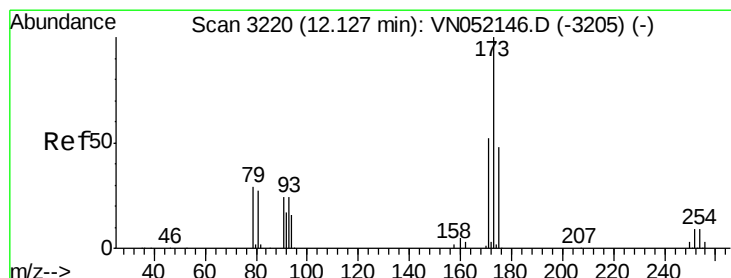
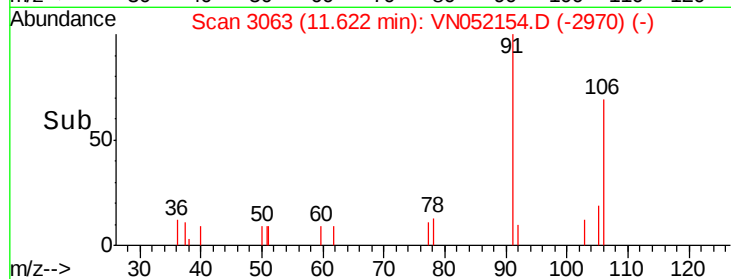
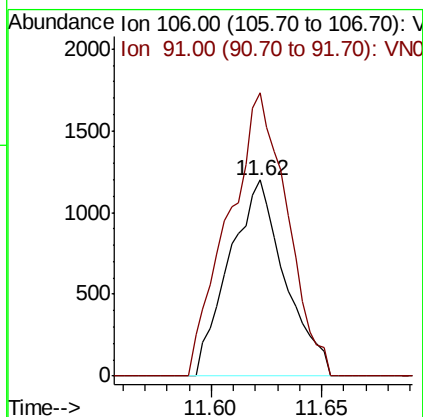
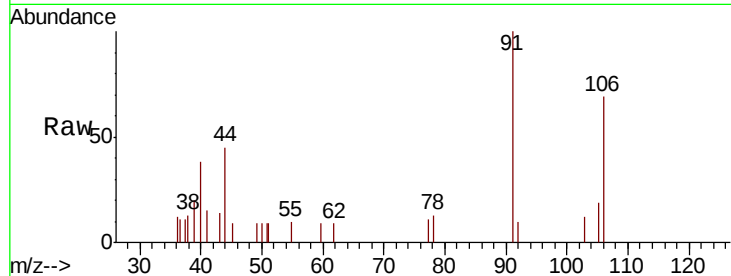




#68
m/p-Xvlenes
Concen: 0.266 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052154.D
Acq: 5 Nov 2018 18:33

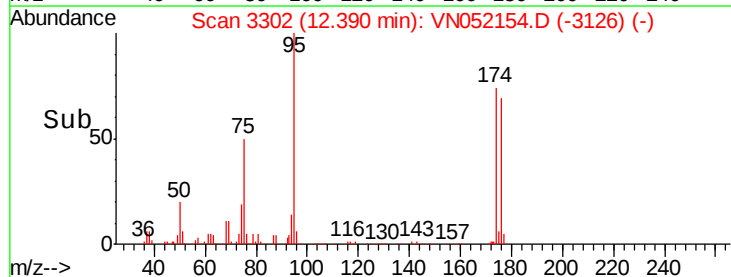
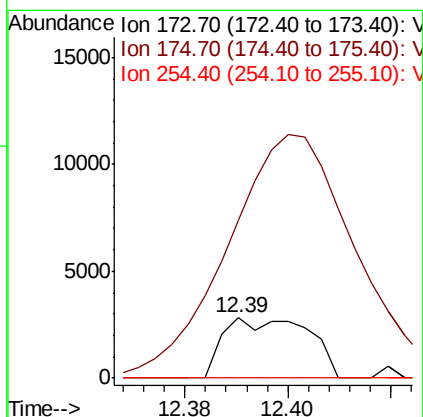
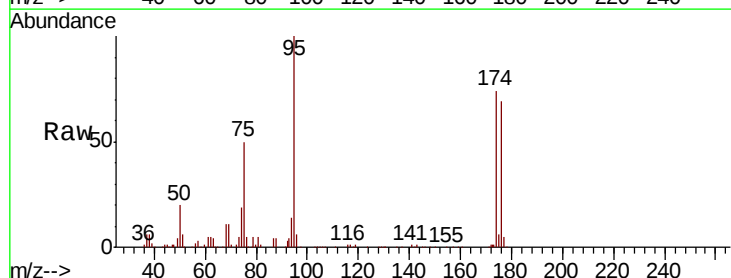
Instrument :
MSVOA_N
ClientSampleId :
PB114485TB

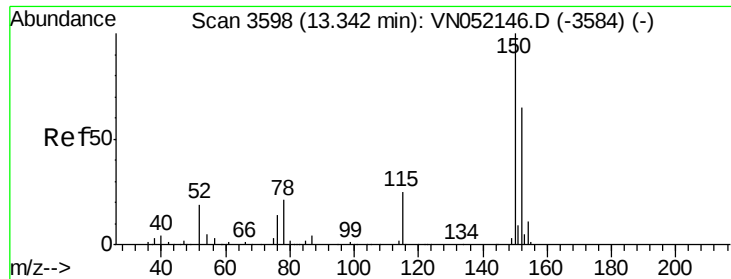
Tot Ion:106 Resp: 2102
Ion Ratio Lower Upper
106 100
91 152.6 158.2 237.4#



#71
Bromoform
Concen: 3.883 ug/l
RT: 12.39 min Scan# 3302
Delta R.T. 0.26 min
Lab File: VN052154.D
Acq: 5 Nov 2018 18:33

Tgt Ion:173 Resp: 3182
Ion Ratio Lower Upper
173 100
175 539.9 24.8 74.4#
254 0.0 0.2 0.2#



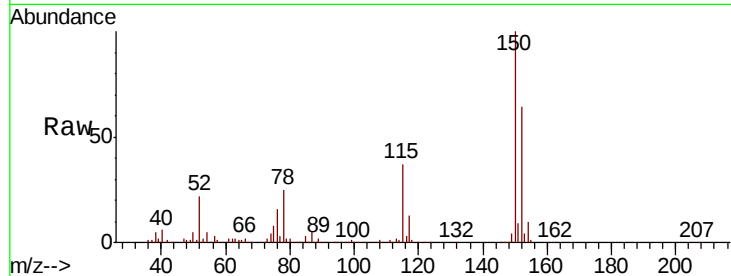


#72

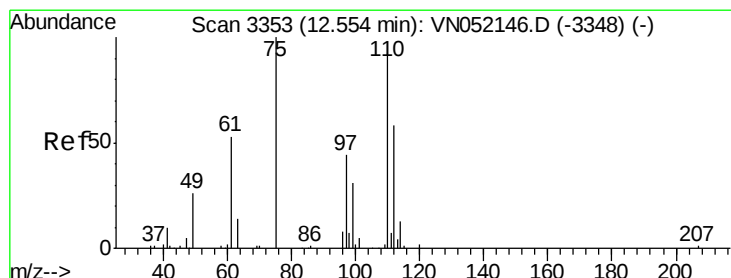
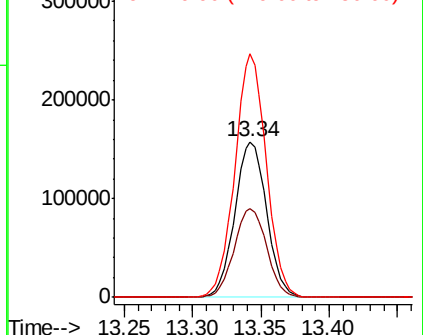
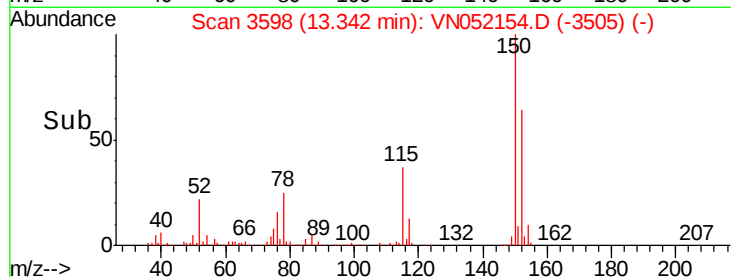
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052154.D
Acq: 5 Nov 2018 18:33

Instrument :
MSVOA_N
ClientSampled :
PB114485TB

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.3	28.5	85.5
150	154.6	0.0	348.6



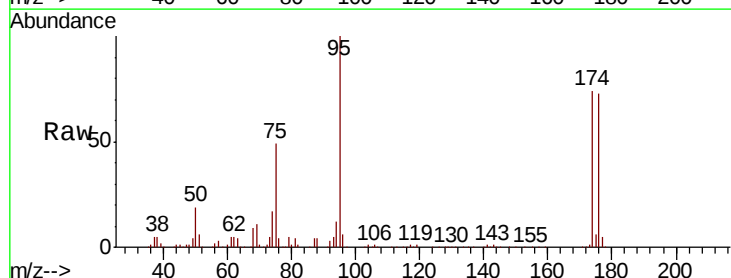
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



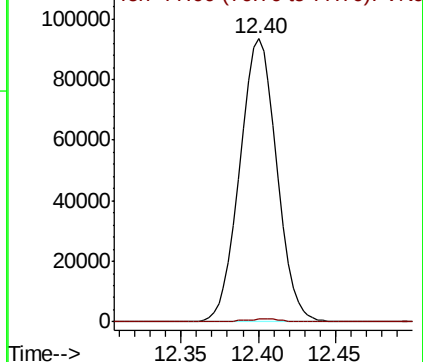
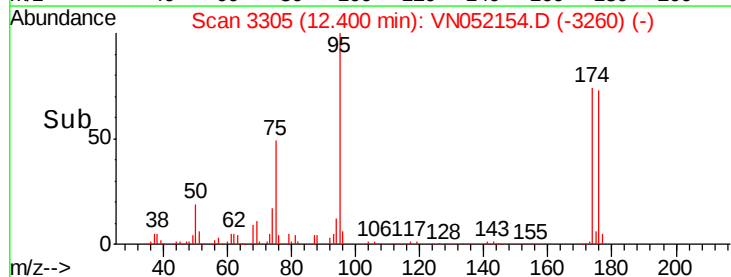
#76

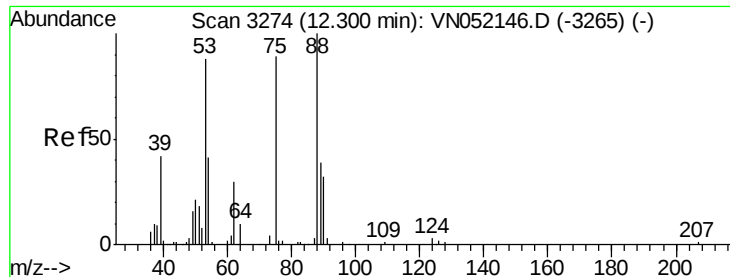
1,2,3-Trichloropropane
Concen: 38.910 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN052154.D
Acq: 5 Nov 2018 18:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 139.323 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052154.D

Acq: 5 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampled :

PB114485TB

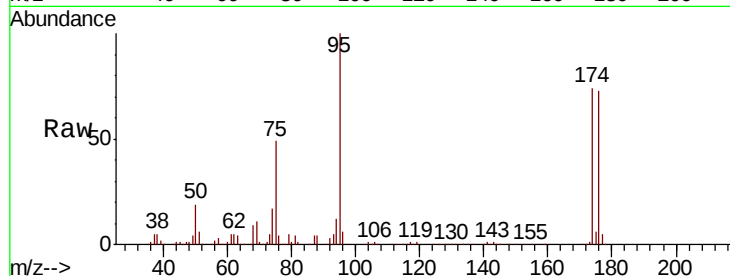
Tot Ion: 75 Resp: 155922

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

89 0.0 35.8 53.8#

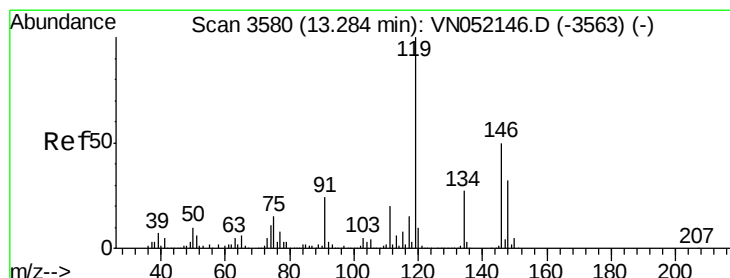
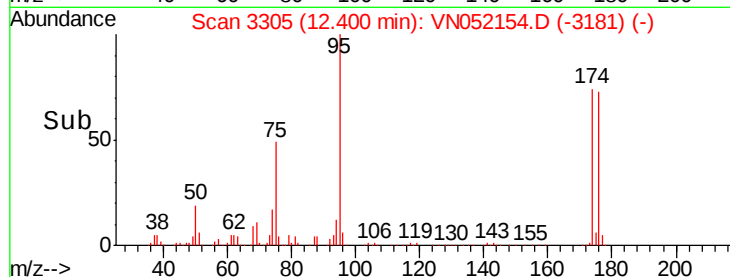
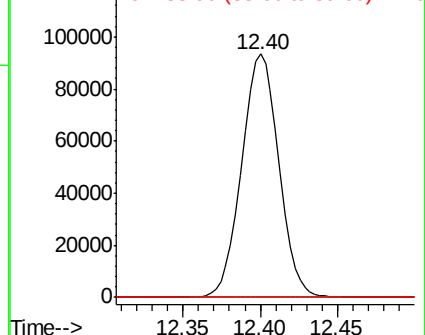


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#87

1,3-Dichlorobenzene

Concen: 0.219 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052154.D

Acq: 5 Nov 2018 18:33

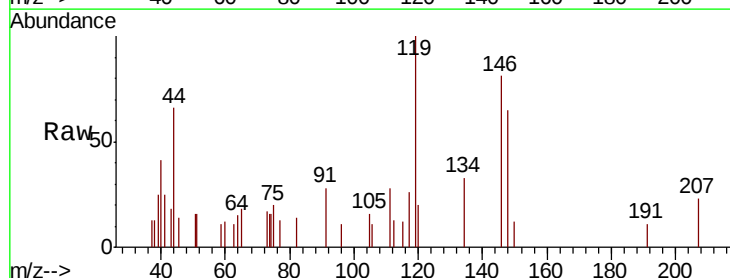
Tgt Ion: 146 Resp: 1773

Ion Ratio Lower Upper

146 100

111 36.2 20.2 60.6

148 68.7 32.1 96.3

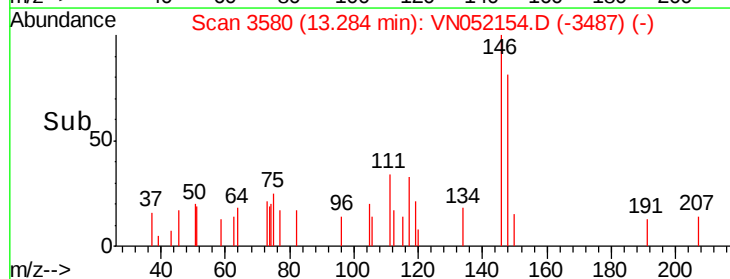
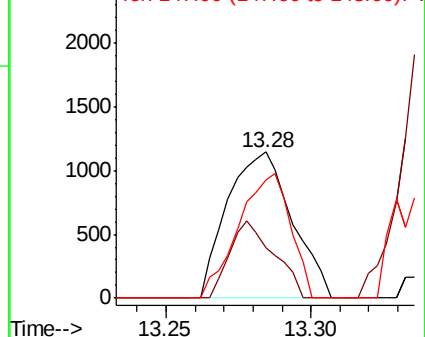


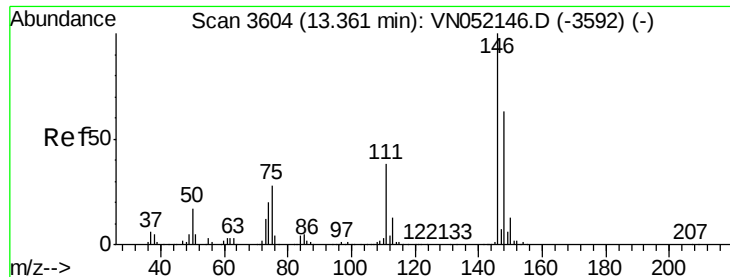
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

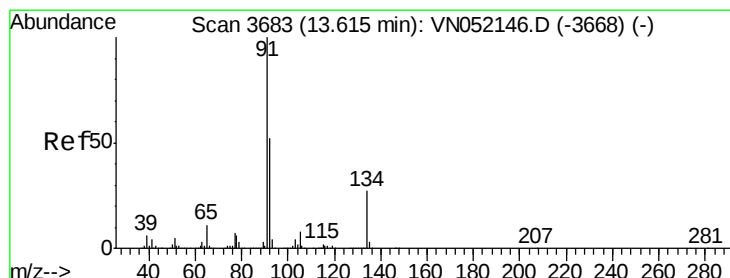
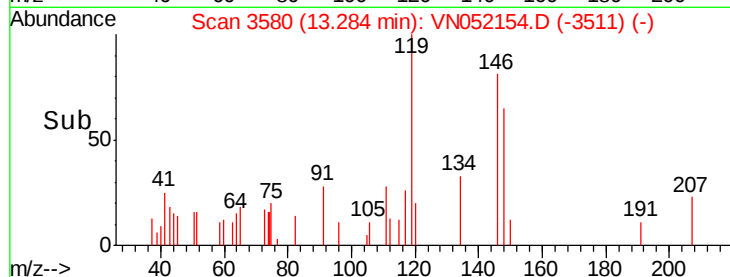
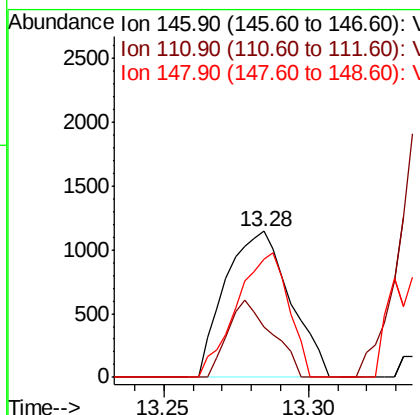
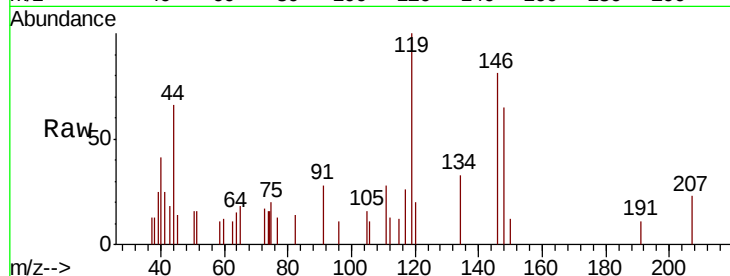




#88
 1,4-Dichlorobenzene
 Concen: 0.219 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN052154.D
 Acq: 5 Nov 2018 18:33

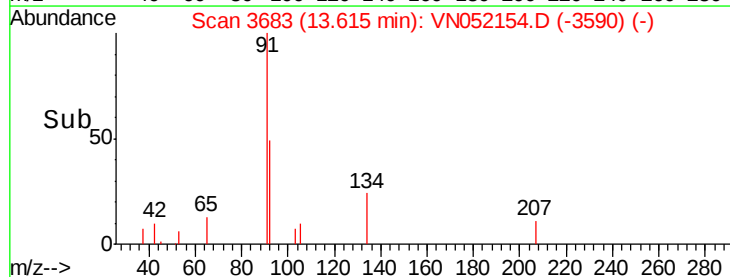
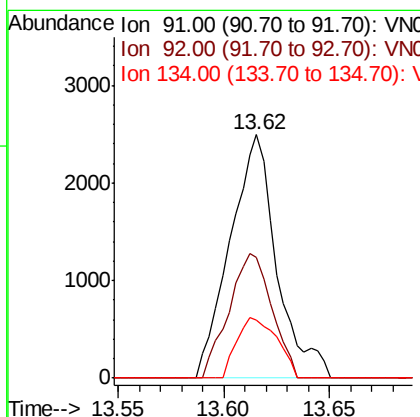
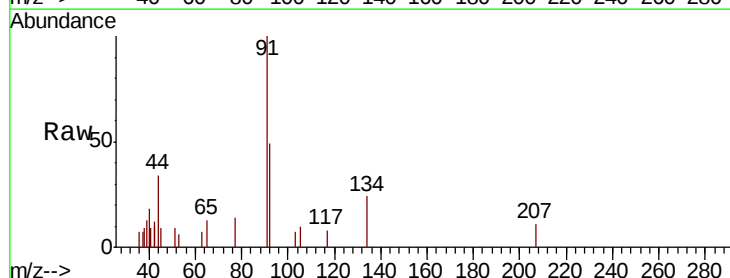
Instrument :
 MSVOA_N
 ClientSampled :
 PB114485TB

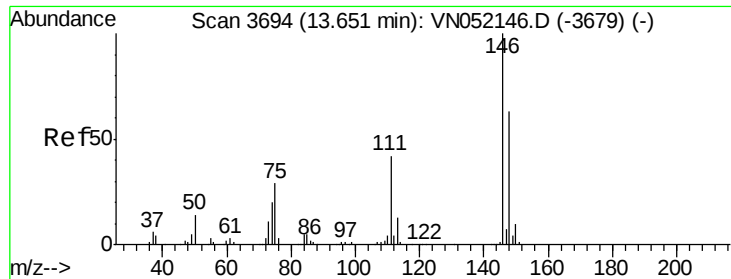
Tot Ion:146 Resp: 1773
 Ion Ratio Lower Upper
 146 100
 111 36.2 19.4 58.1
 148 68.7 31.5 94.5



#89
 n-Butylbenzene
 Concen: 0.282 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN052154.D
 Acq: 5 Nov 2018 18:33

Tgt Ion: 91 Resp: 3829
 Ion Ratio Lower Upper
 91 100
 92 47.1 26.3 78.8
 134 21.4 13.4 40.2





#91

1,2-Dichlorobenzene

Concen: 0.248 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.01 min

Lab File: VN052154.D

Acq: 5 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampled :

PB114485TB

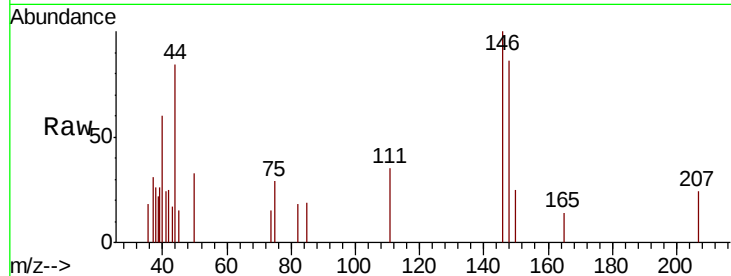
Tot Ion:146 Resp: 1887

Ion Ratio Lower Upper

146 100

111 27.8 21.1 63.1

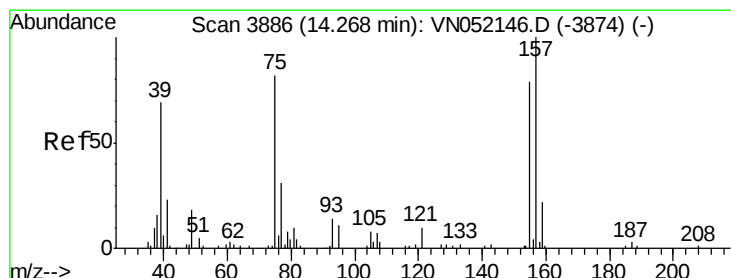
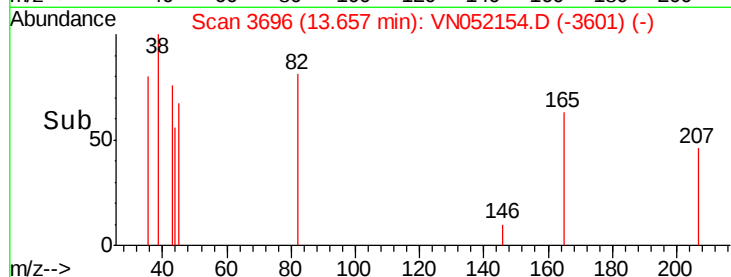
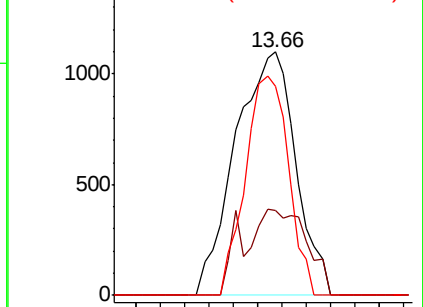
148 64.1 31.4 94.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.307 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN052154.D

Acq: 5 Nov 2018 18:33

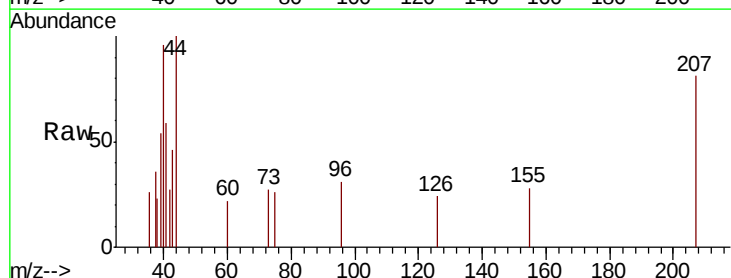
Tgt Ion: 75 Resp: 171

Ion Ratio Lower Upper

75 100

155 62.6 47.4 142.2

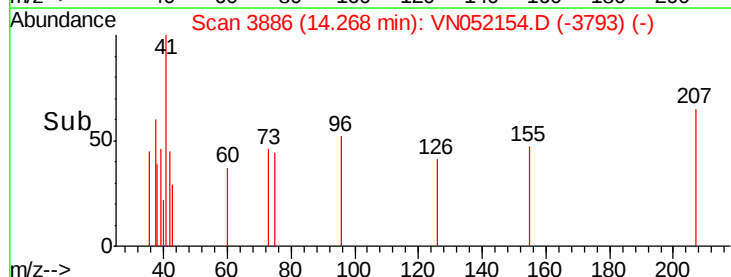
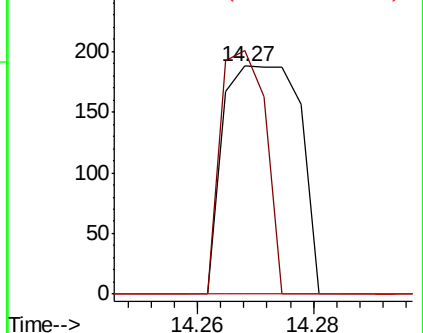
157 0.0 60.3 180.8#

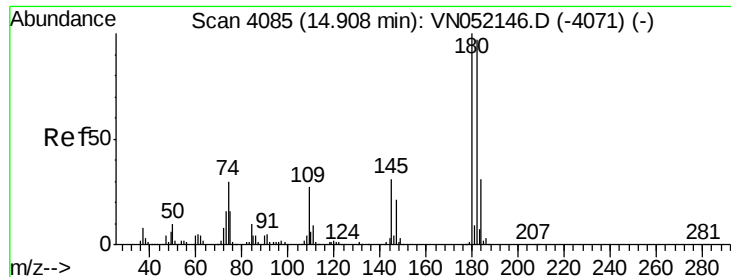


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 2.952 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN052154.D

Acq: 5 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampled :

PB114485TB

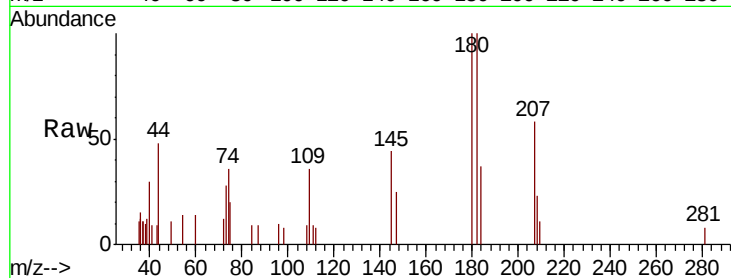
Tot Ion:180 Resp: 2692

Ion Ratio Lower Upper

180 100

182 115.5 48.1 144.4

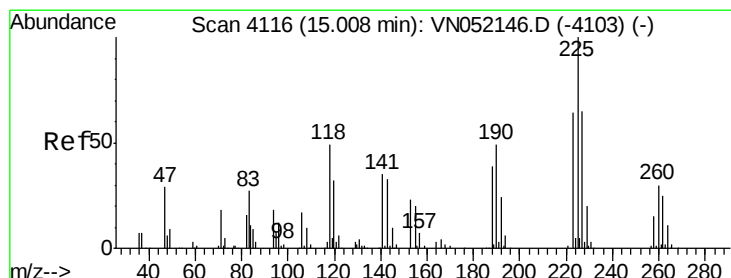
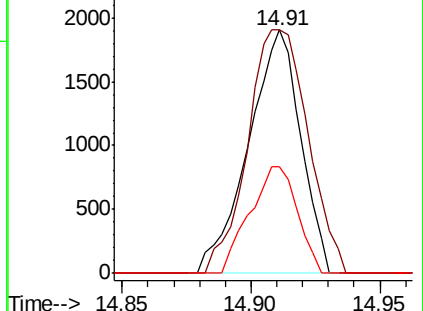
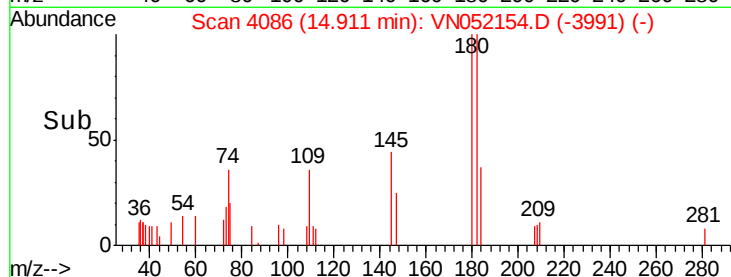
145 40.0 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 0.460 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN052154.D

Acq: 5 Nov 2018 18:33

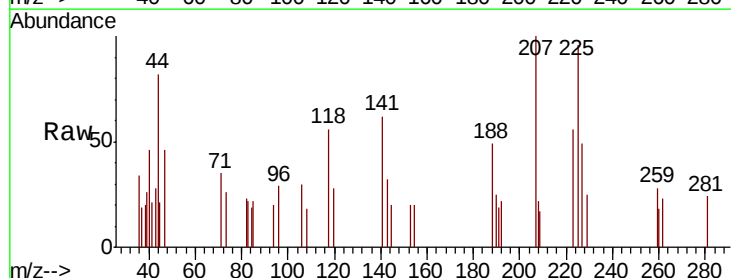
Tgt Ion:225 Resp: 1429

Ion Ratio Lower Upper

225 100

223 54.3 32.3 96.8

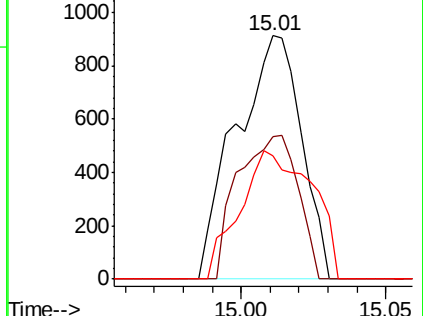
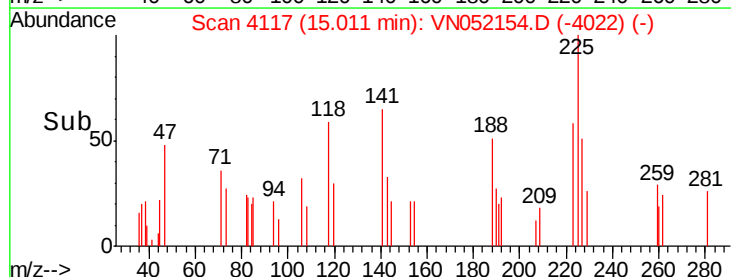
227 58.2 31.6 94.8

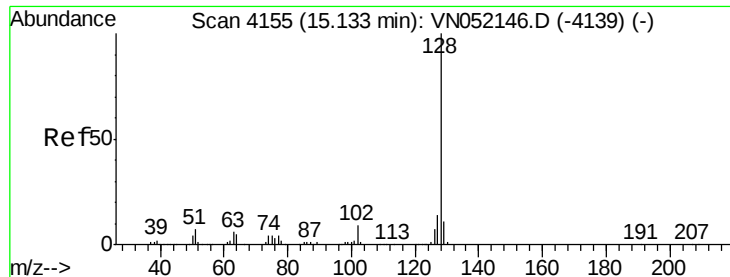


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.939 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052154.D

Acq: 5 Nov 2018 18:33

Instrument :

MSVOA_N

ClientSampleId :

PB114485TB

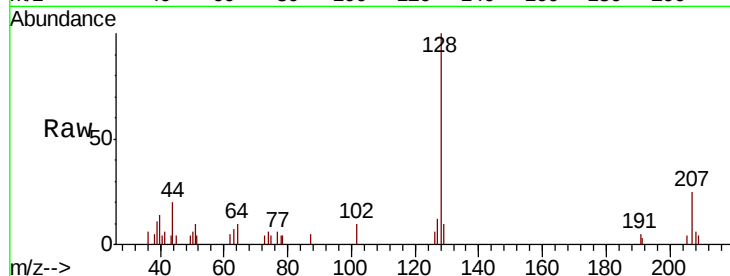
Tot Ion:128 Resp: 7322

Ion Ratio Lower Upper

128 100

127 9.2 10.8 16.2#

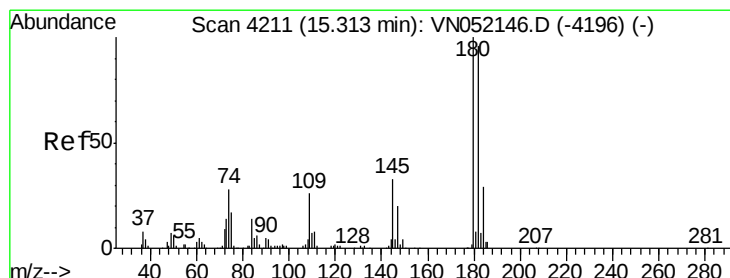
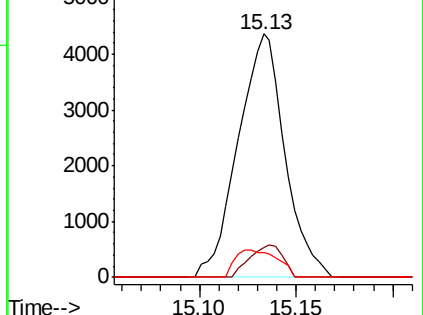
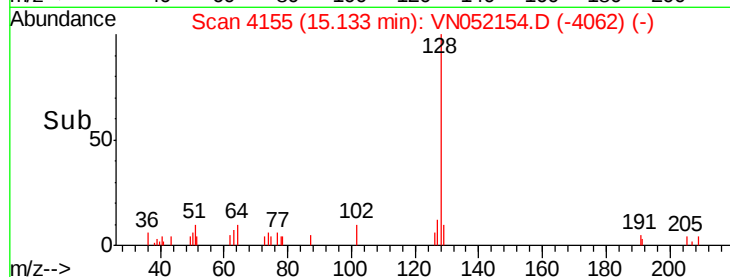
129 10.0 9.1 13.7



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



#96

1,2,3-Trichlorobenzene

Concen: 2.654 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN052154.D

Acq: 5 Nov 2018 18:33

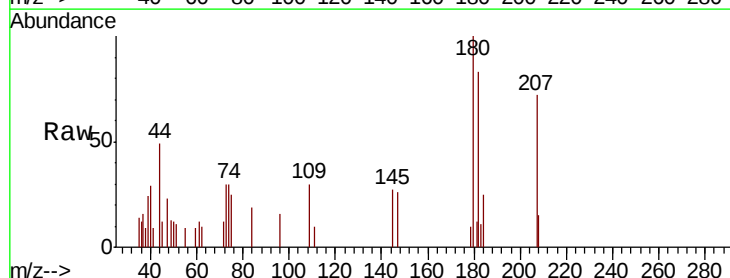
Tgt Ion:180 Resp: 2959

Ion Ratio Lower Upper

180 100

182 97.1 46.6 139.7

145 23.3 16.7 50.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

