

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051542.D
 Acq On : 26 Sep 2018 18:19
 Operator : MD\SY
 Sample : PB113219TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113219TB

Quant Time: Sep 27 07:58:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	729724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1159822	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	992989	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	359270	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	508309	55.61	ug/l	0.00
Spiked Amount			Recovery	=	111.22%	
35) Dibromofluoromethane	7.59	113	445277	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
50) Toluene-d8	10.09	98	1622276	46.45	ug/l	0.00
Spiked Amount			Recovery	=	92.90%	
62) 4-Bromofluorobenzene	12.40	95	455505	40.32	ug/l	0.00
Spiked Amount			Recovery	=	80.64%	

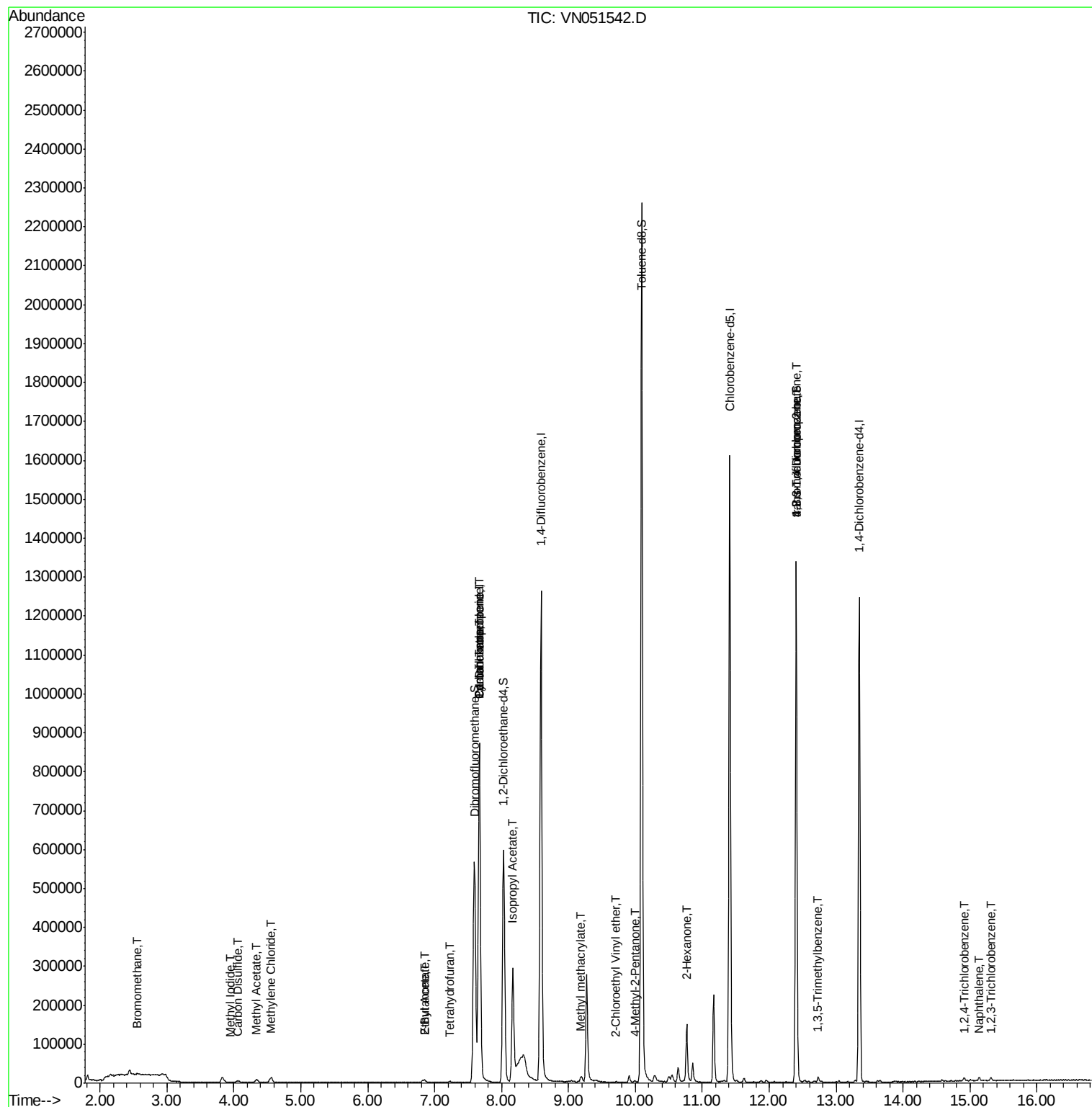
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	2646	0.428	ug/l	83
10) Methyl Iodide	3.95	142	849	0.348	ug/l #	64
16) Acetone	3.83	43	21586	Below Cal		96
17) Carbon Disulfide	4.05	76	5257	0.220	ug/l	96
18) Methyl Acetate	4.33	43	14112	2.027	ug/l	93
20) Methylene Chloride	4.55	84	9053	1.001	ug/l	97
25) 2-Butanone	6.85	43	5983	1.912	ug/l #	87
29) Tetrahydrofuran	7.22	42	1509	0.761	ug/l #	74
31) Cyclohexane	7.67	56	13356	0.928	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	51915	3.865	ug/l #	48
37) Ethyl Acetate	6.85	43	5983	0.775	ug/l #	76
38) Carbon Tetrachloride	7.67	117	67265	4.788	ug/l #	16
43) Isopropyl Acetate	8.17	43	350372	25.091	ug/l	97
48) Methyl methacrylate	9.18	41	9132	1.312	ug/l #	19
51) 4-Methyl-2-Pentanone	9.99	43	2830	0.369	ug/l #	84
58) 2-Chloroethyl Vinyl ether	9.70	63	168	20.396	ug/l #	48
59) 2-Hexanone	10.77	43	23233	4.667	ug/l #	55
76) 1,2,3-Trichloropropane	12.40	75	219018	36.723	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	5426	0.220	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	219018	112.920	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	3122	6.377	ug/l	96
95) Naphthalene	15.14	128	7489	8.515	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	3189	0.516	ug/l	90

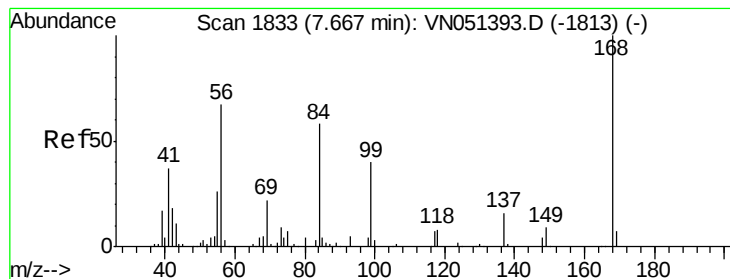
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092718\
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Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051542.D

Acq: 26 Sep 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

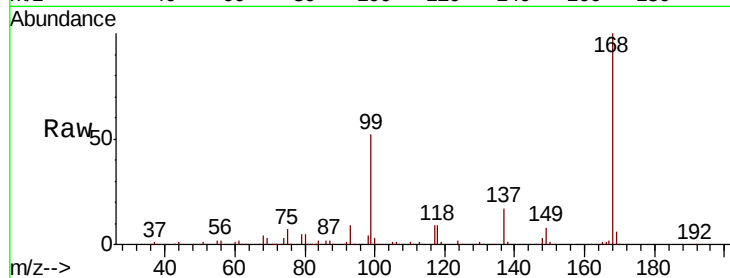
PB113219TB

Tot Ion:168 Resp: 729724

Ion Ratio Lower Upper

168 100

99 52.1 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

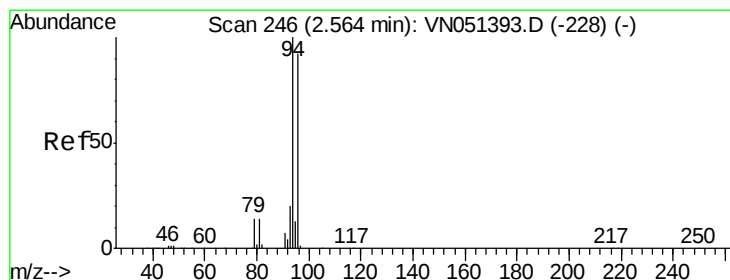
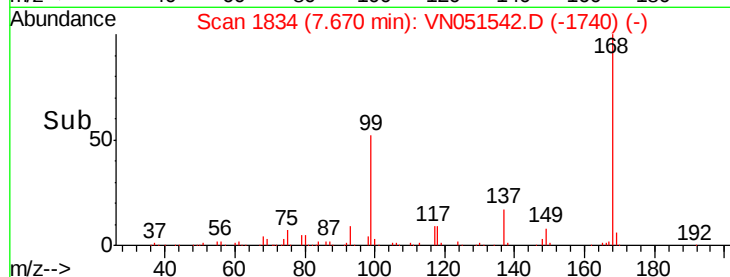
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.428 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN051542.D

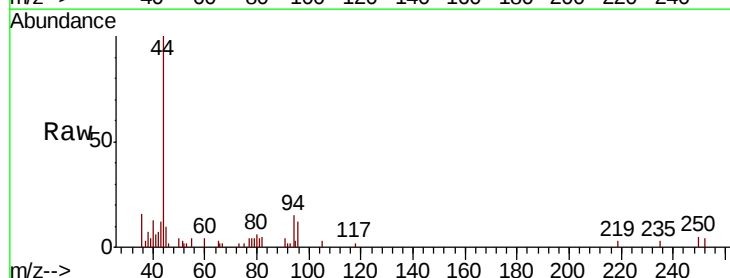
Acq: 26 Sep 2018 18:19

Tgt Ion: 94 Resp: 2646

Ion Ratio Lower Upper

94 100

96 75.9 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

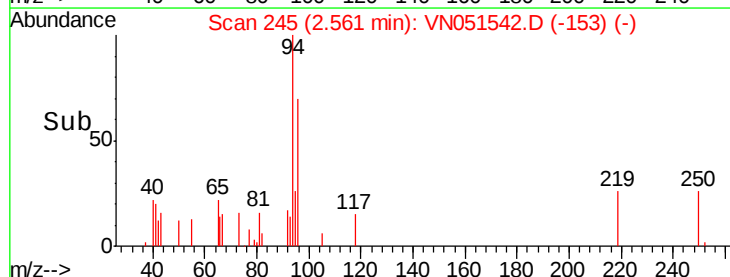
2.56

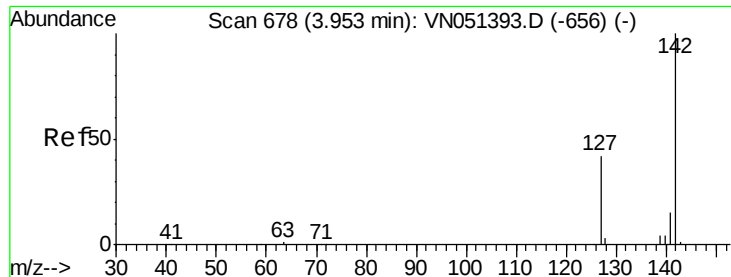
1000

500

0

Time-->

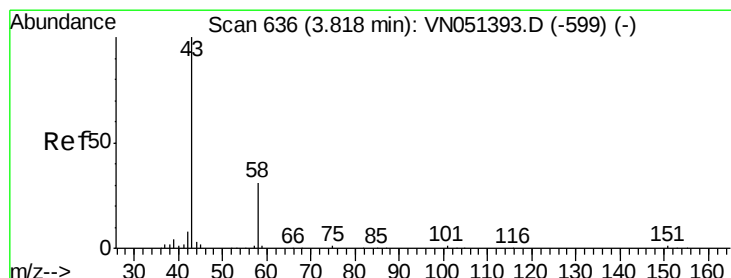
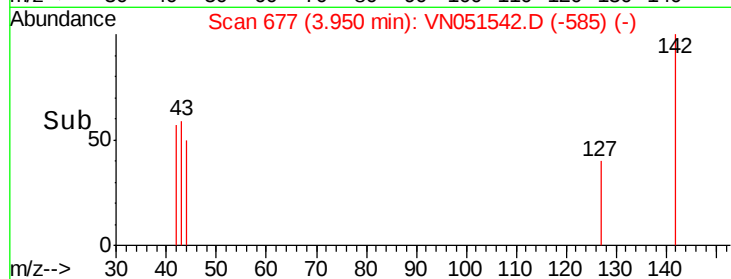
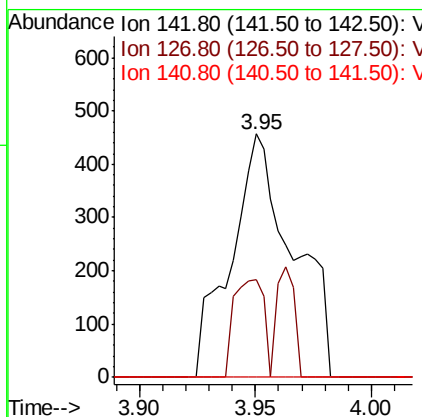
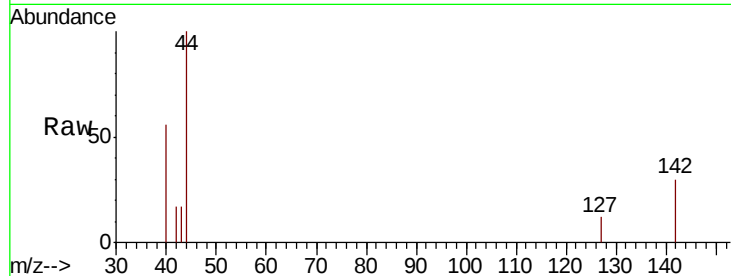




#10
Methvl Iodide
Concen: 0.348 ug/l
RT: 3.95 min Scan# 677
Delta R.T. -0.00 min
Lab File: VN051542.D
Acq: 26 Sep 2018 18:19

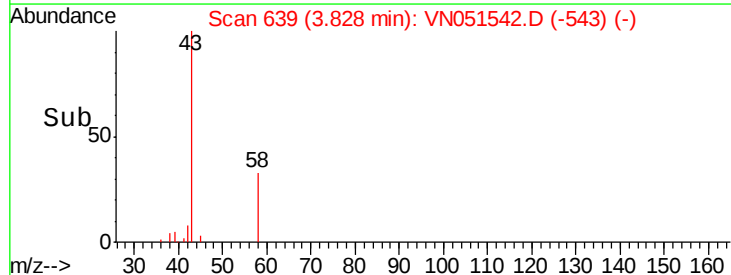
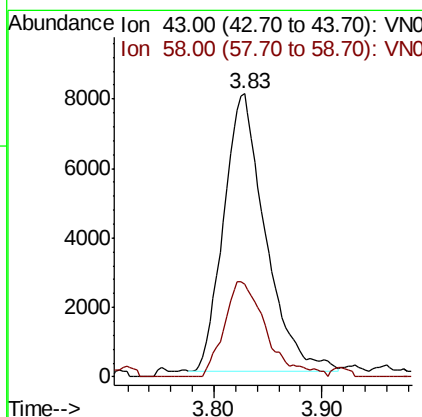
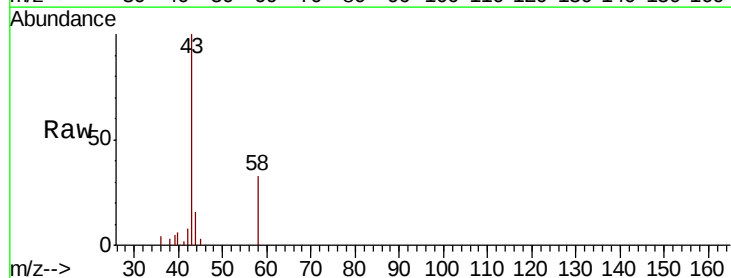
Instrument :
MSVOA_N
ClientSampleId :
PB113219TB

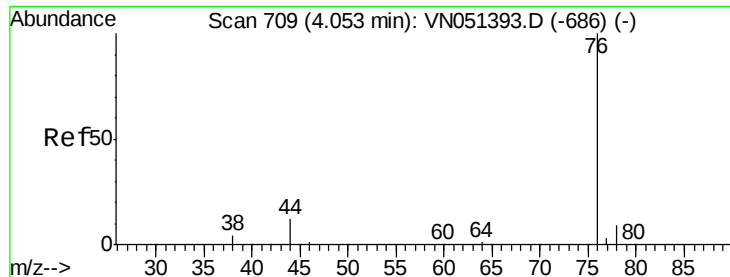
Tot Ion:142 Resp: 849
Ion Ratio Lower Upper
142 100
127 19.0 33.2 49.8#
141 0.0 11.5 17.3#



#16
Acetone
Concen: Below Cal
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN051542.D
Acq: 26 Sep 2018 18:19

Tgt Ion: 43 Resp: 21586
Ion Ratio Lower Upper
43 100
58 33.4 25.0 37.4

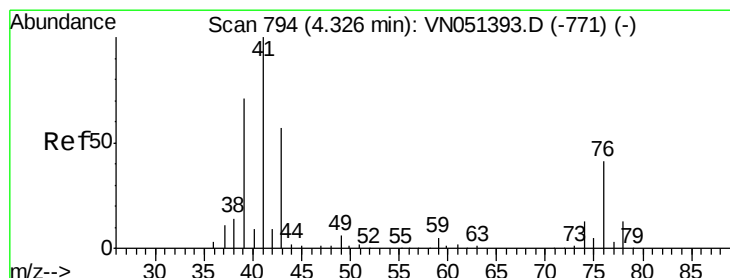
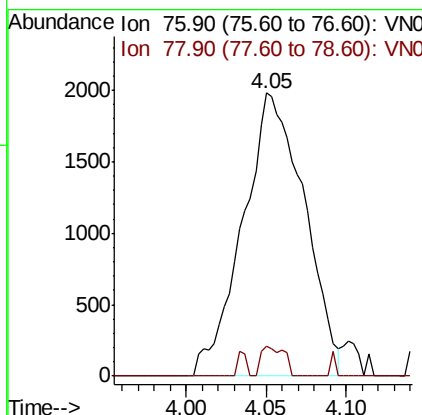
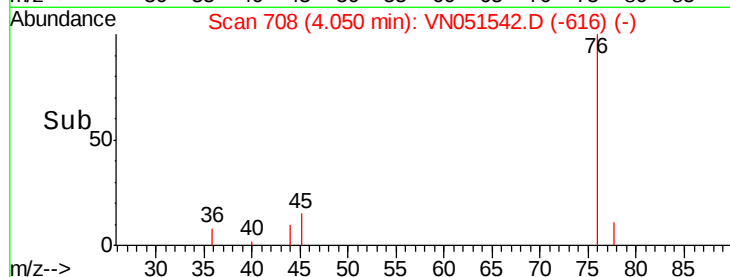
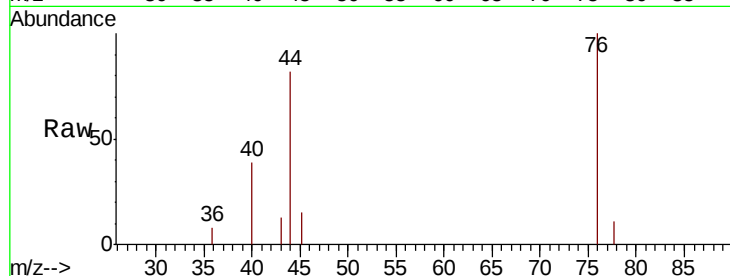




#17
Carbon Disulfide
Concen: 0.220 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN051542.D
Acq: 26 Sep 2018 18:19

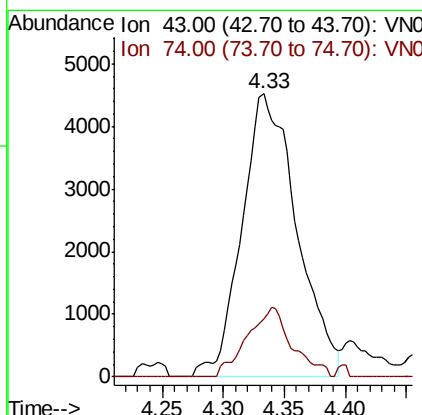
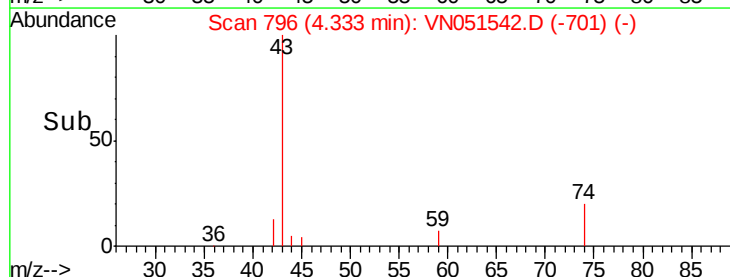
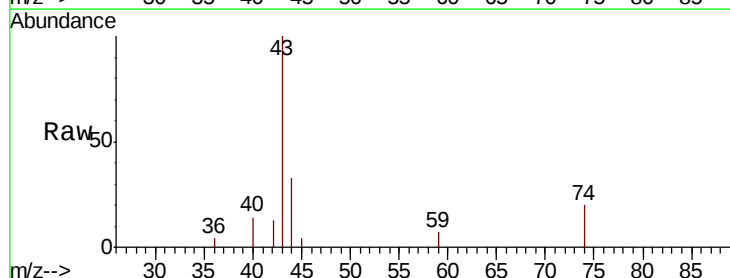
Instrument :
MSVOA_N
ClientSampleId :
PB113219TB

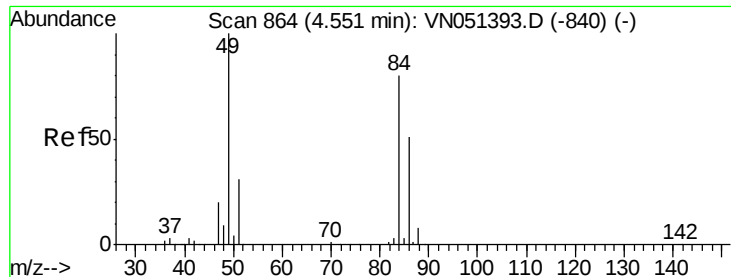
Tot Ion: 76 Resp: 5257
Ion Ratio Lower Upper
76 100
78 10.6 7.3 10.9



#18
Methyl Acetate
Concen: 2.027 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051542.D
Acq: 26 Sep 2018 18:19

Tgt Ion: 43 Resp: 14112
Ion Ratio Lower Upper
43 100
74 20.0 18.8 28.2

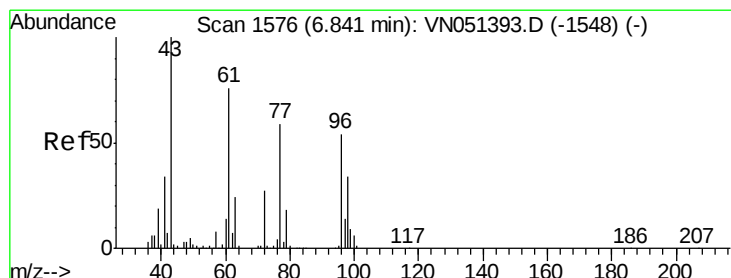
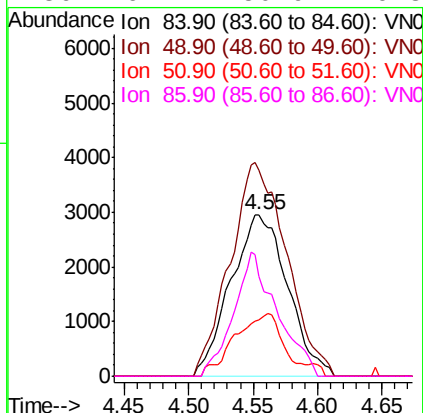
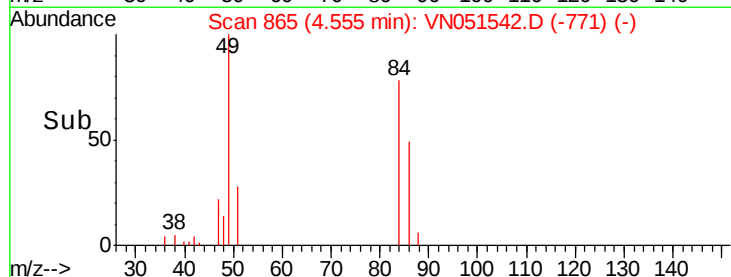
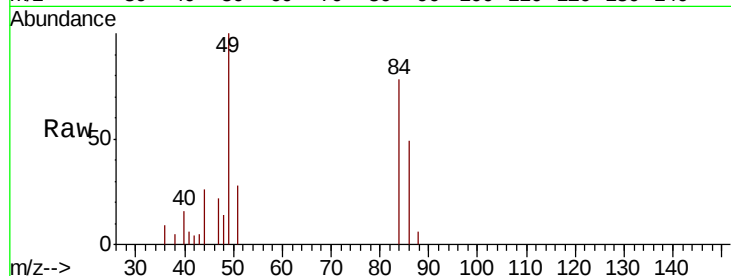




#20
Methvlene Chloride
Concen: 1.001 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051542.D
Acq: 26 Sep 2018 18:19

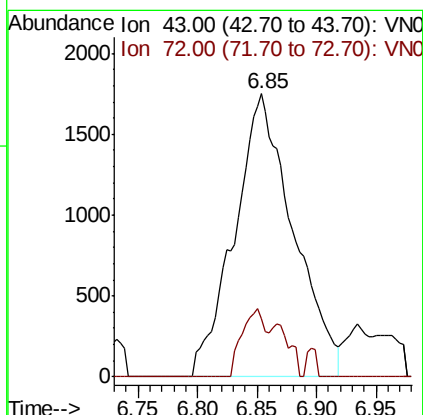
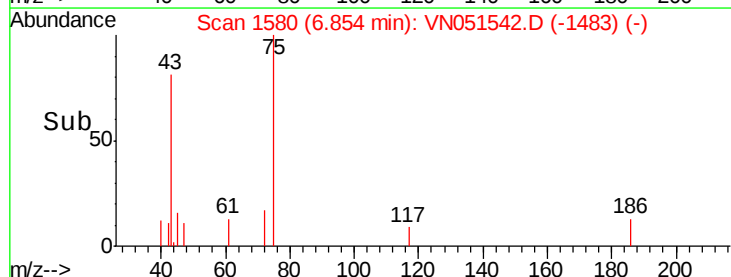
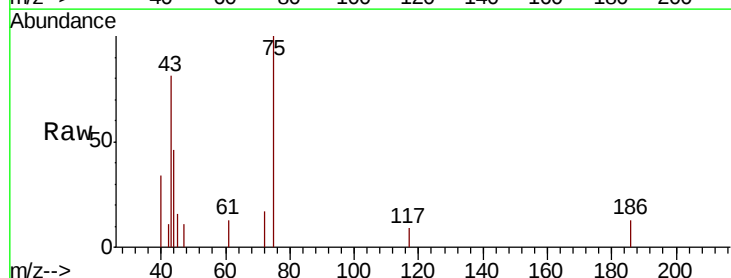
Instrument :
MSVOA_N
ClientSampleId :
PB113219TB

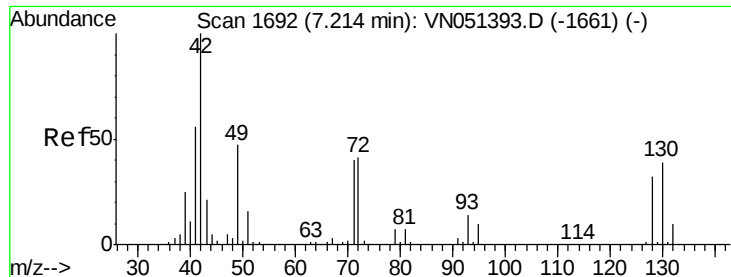
Tot Ion:	84	Resp:	9053
Ion	Ratio	Lower	Upper
84	100		
49	127.5	99.9	149.9
51	35.1	31.4	47.2
86	62.2	50.9	76.3



#25
2-Butanone
Concen: 1.912 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VN051542.D
Acq: 26 Sep 2018 18:19

Tgt Ion:	43	Resp:	5983
Ion	Ratio	Lower	Upper
43	100		
72	20.5	21.8	32.6#





#29

Tetrahydrofuran

Concen: 0.761 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VN051542.D

Acq: 26 Sep 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

PB113219TB

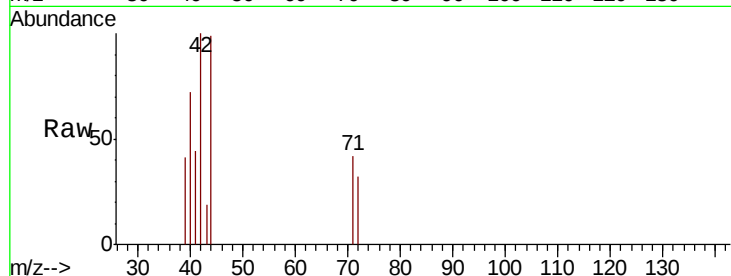
Tot Ion: 42 Resp: 1509

Ion Ratio Lower Upper

42 100

72 12.0 34.3 51.5#

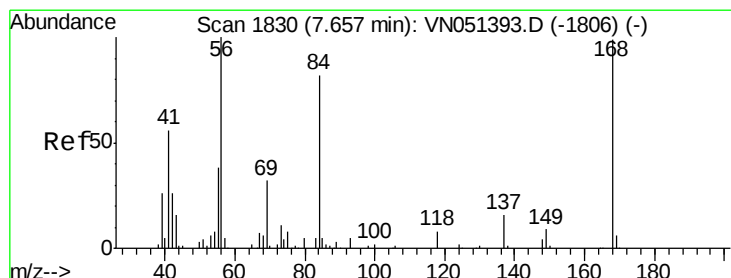
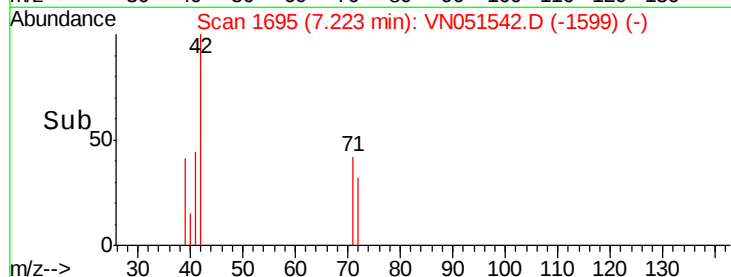
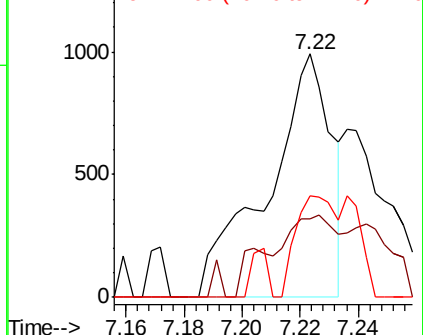
71 38.7 32.2 48.4



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 0.928 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VN051542.D

Acq: 26 Sep 2018 18:19

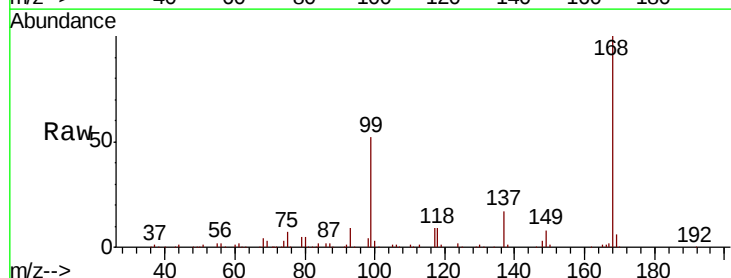
Tgt Ion: 56 Resp: 13356

Ion Ratio Lower Upper

56 100

69 176.5 25.8 38.6#

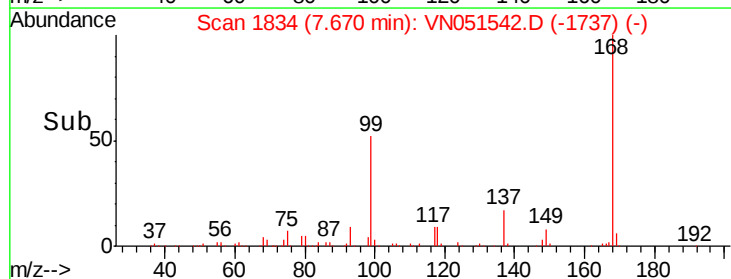
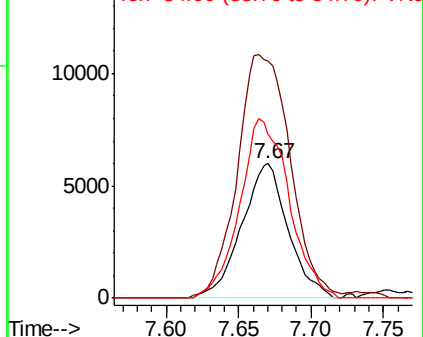
84 122.6 66.0 99.0#

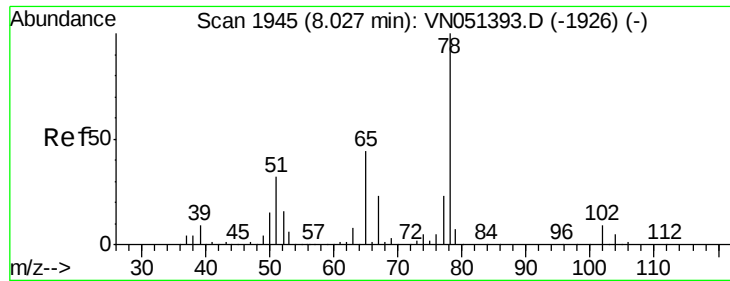


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

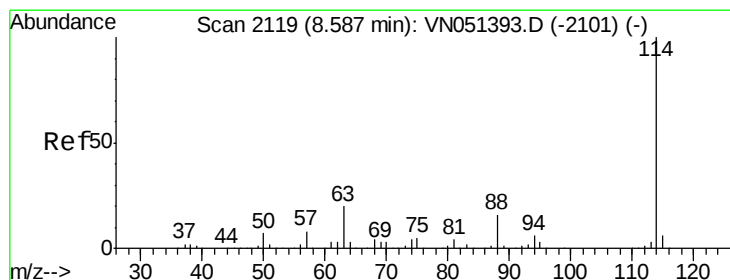
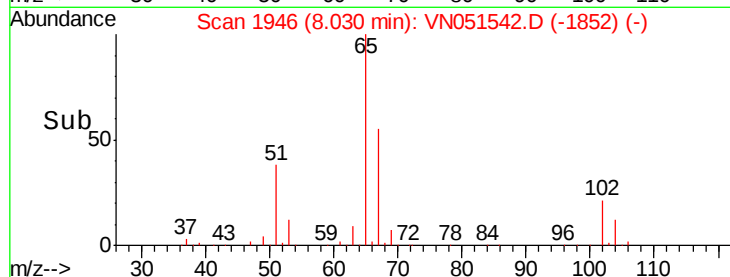
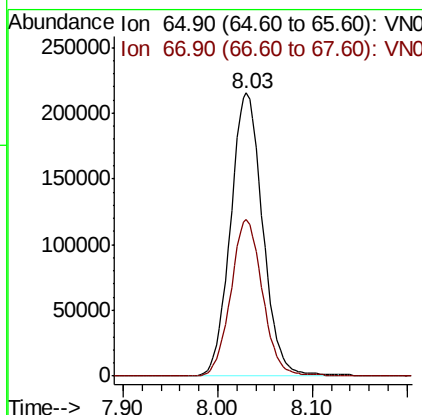
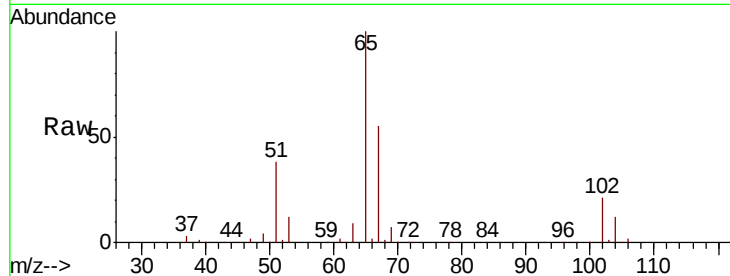




#33
 1,2-Dichloroethane-d4
 Concen: 55.607 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051542.D
 Acq: 26 Sep 2018 18:19

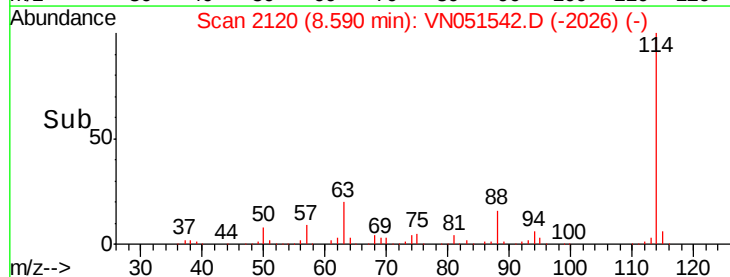
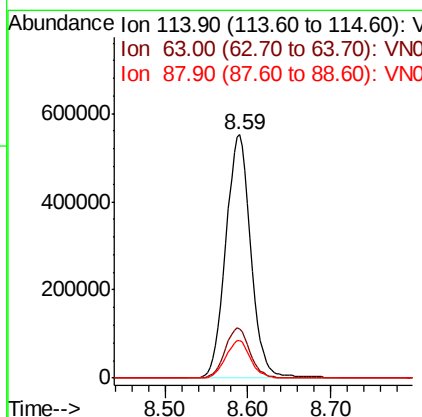
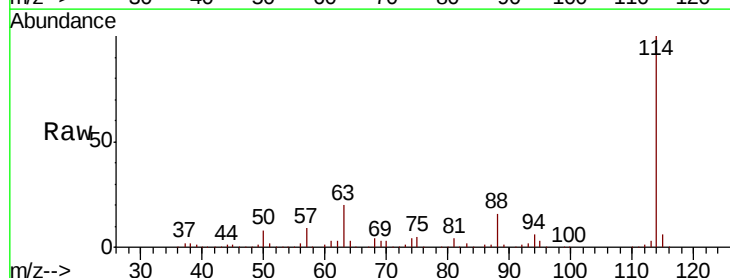
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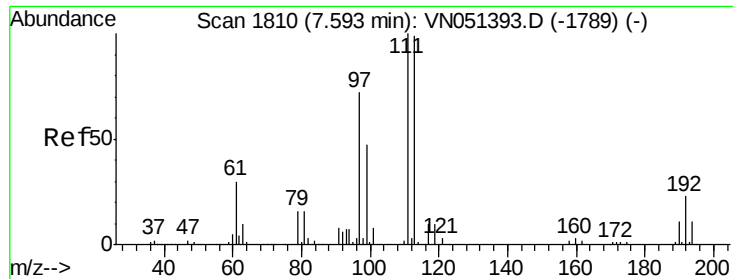
Tot Ion: 65 Resp: 508309
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051542.D
 Acq: 26 Sep 2018 18:19

Tgt Ion: 114 Resp: 1159822
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.2
 88 15.6 0.0 31.4

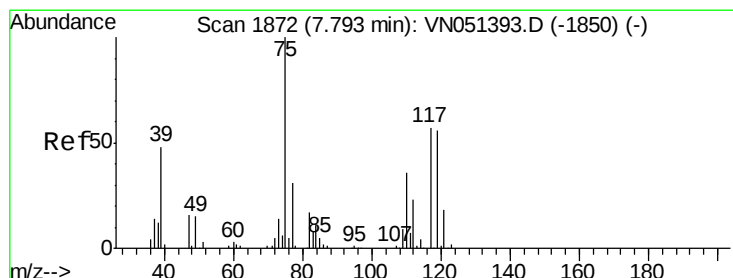
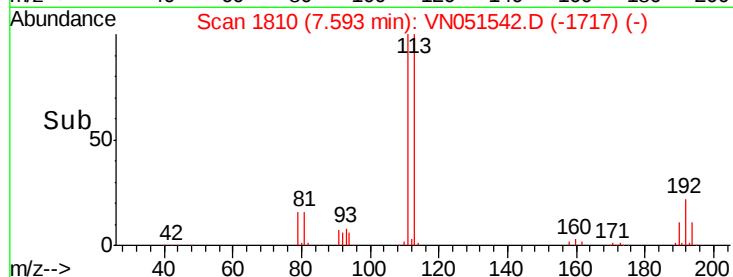
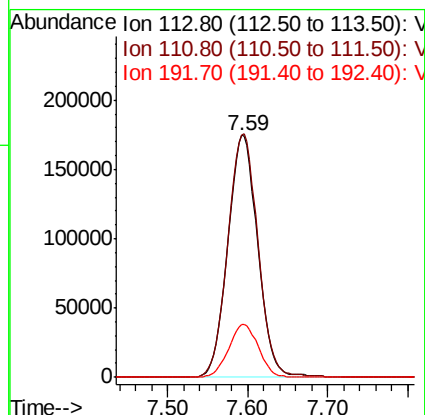
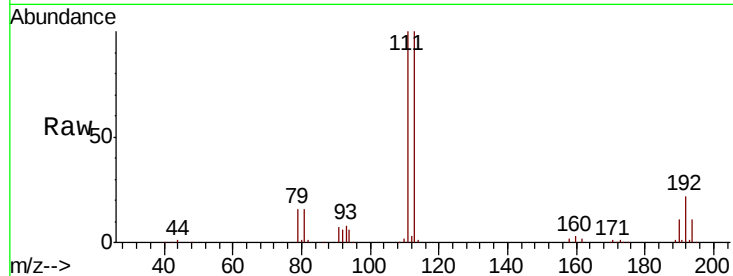




#35
 Dibromofluoromethane
 Concen: 48.011 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051542.D
 Acq: 26 Sep 2018 18:19

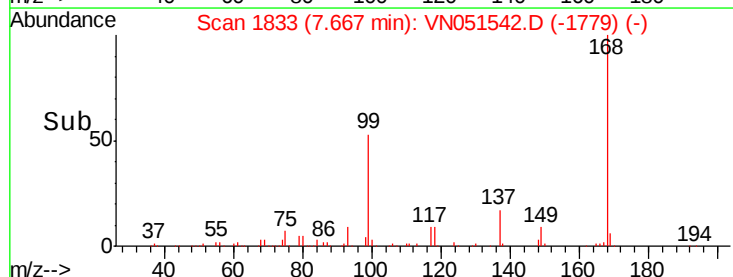
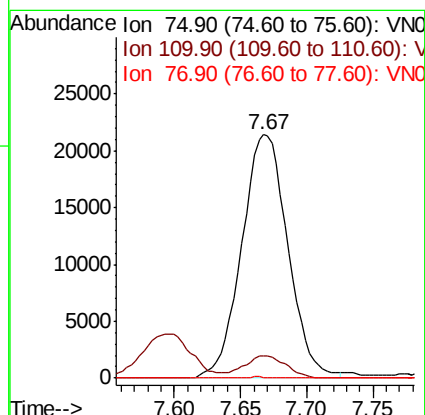
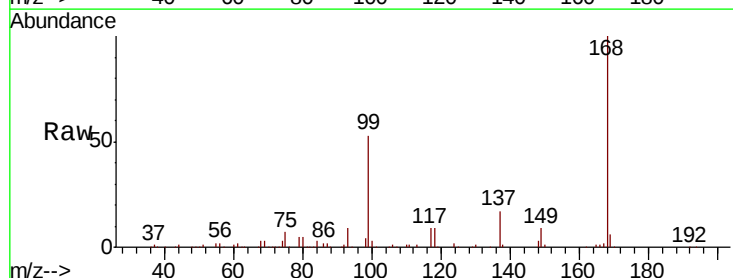
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 ClientSampleId :
 PB113219TB

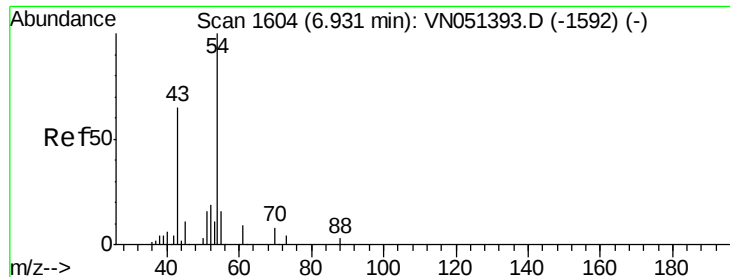
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.6	123.8
192	21.8	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 3.865 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051542.D
 Acq: 26 Sep 2018 18:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.1	54.3#
77	0.1	25.6	38.4#

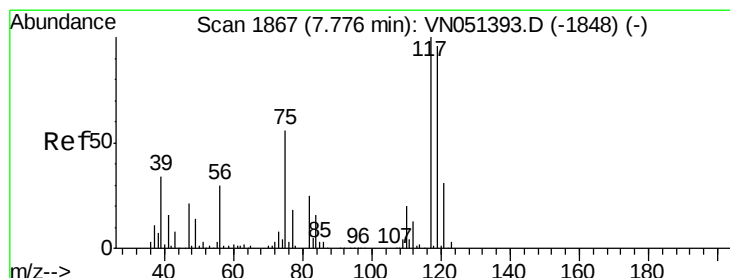
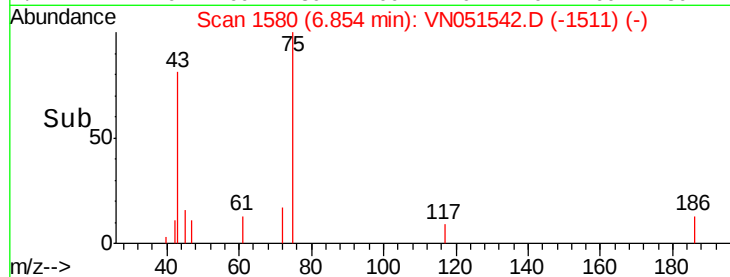
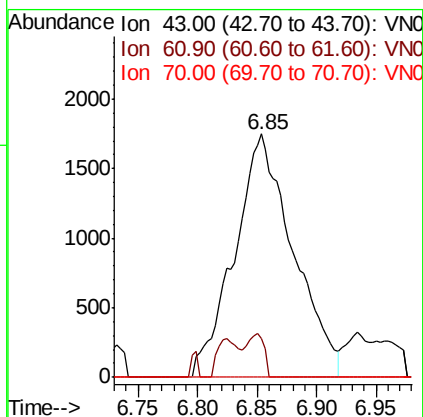
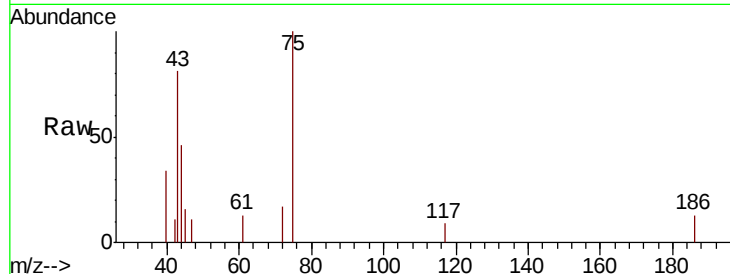




#37
Ethyl Acetate
Concen: 0.775 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. -0.08 min
Lab File: VN051542.D
Acq: 26 Sep 2018 18:19

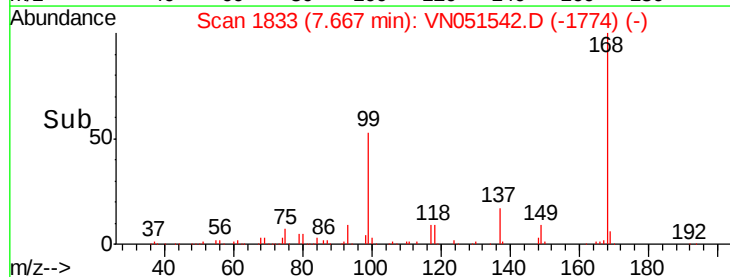
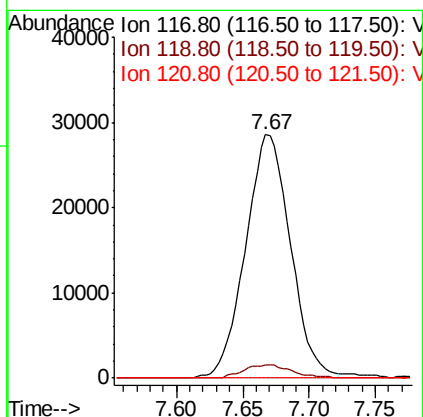
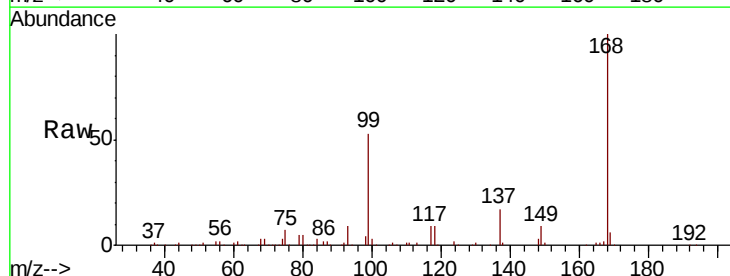
Instrument :
MSVOA_N
ClientSampleId :
PB113219TB

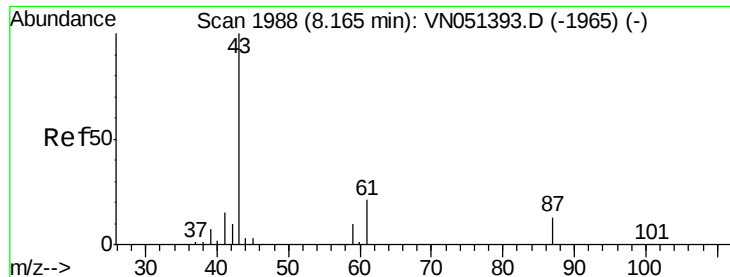
Tot Ion: 43 Resp: 5983
Ion Ratio Lower Upper
43 100
61 5.1 11.5 17.3#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 4.788 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN051542.D
Acq: 26 Sep 2018 18:19

Tgt Ion: 117 Resp: 67265
Ion Ratio Lower Upper
117 100
119 5.2 76.9 115.3#
121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 25.091 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051542.D

Acq: 26 Sep 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

PB113219TB

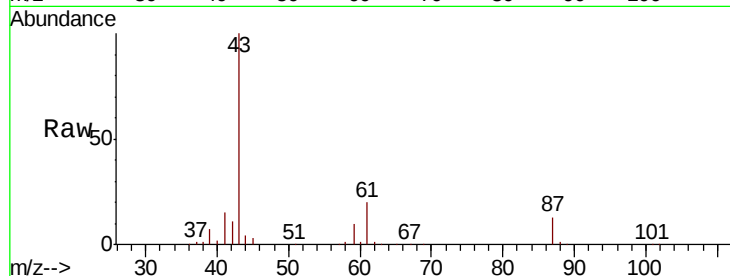
Tot Ion: 43 Resp: 350372

Ion Ratio Lower Upper

43 100

61 19.5 16.8 25.2

87 12.5 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-1965) (-)

Ion 61.00 (60.70 to 61.70): VN051393.D (-1965) (-)

Ion 87.00 (86.70 to 87.70): VN051393.D (-1965) (-)

8.17

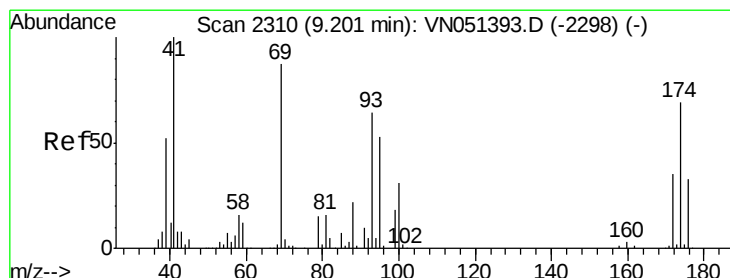
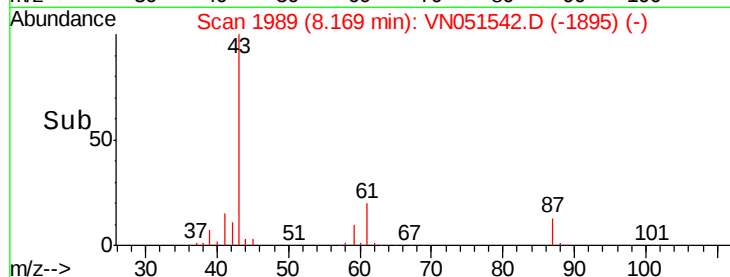
150000

100000

50000

0

Time-->



#48

Methyl methacrylate

Concen: 1.312 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN051542.D

Acq: 26 Sep 2018 18:19

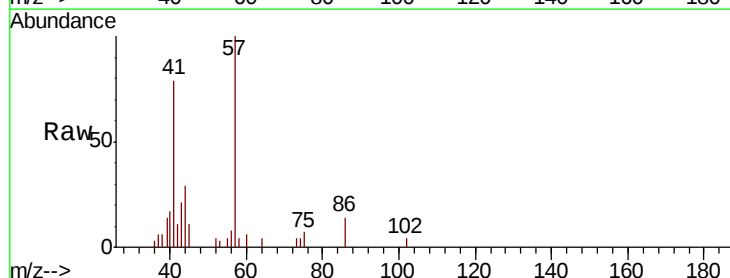
Tgt Ion: 41 Resp: 9132

Ion Ratio Lower Upper

41 100

69 0.0 70.4 105.6#

39 12.0 43.8 65.8#



Abundance Ion 41.00 (40.70 to 41.70): VN051393.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN051393.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN051393.D (-2298) (-)

9.18

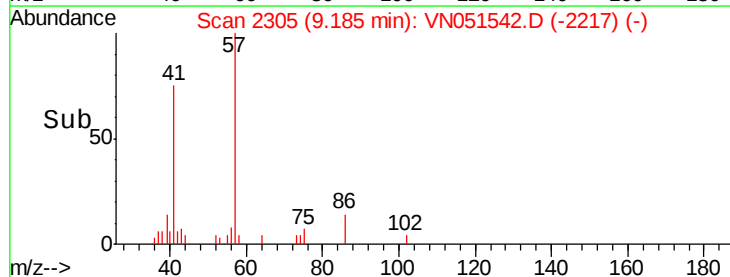
15000

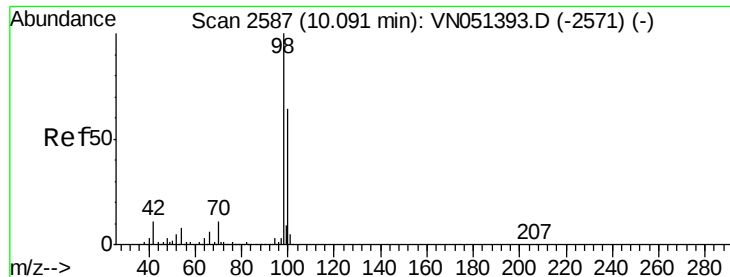
10000

5000

0

Time-->





#50

Toluene-d8

Concen: 46.451 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051542.D

Acq: 26 Sep 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

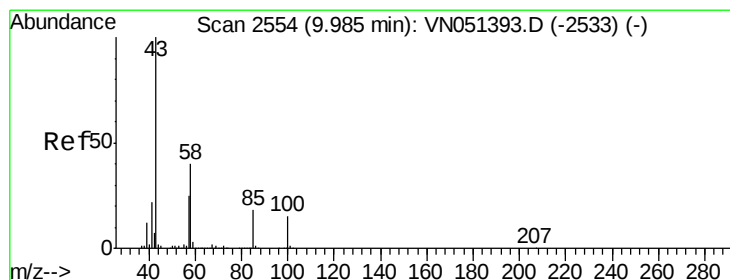
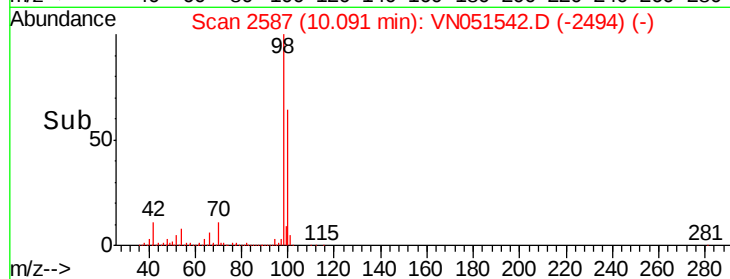
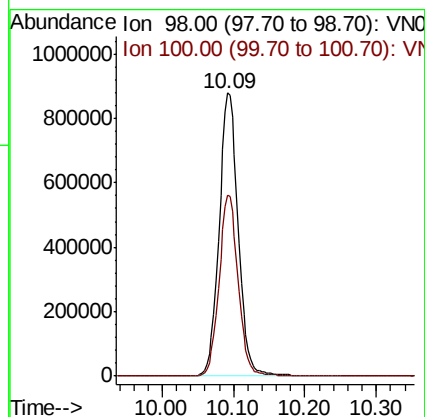
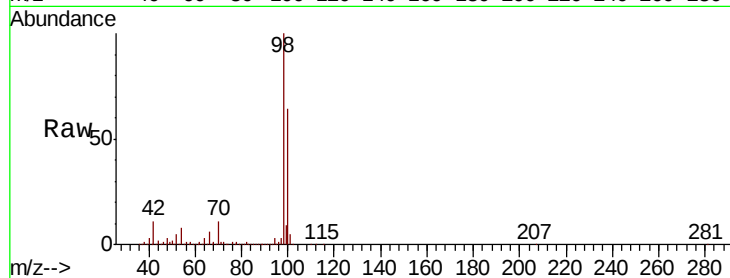
PB113219TB

Tot Ion: 98 Resp: 1622276

Ion Ratio Lower Upper

98 100

100 64.1 50.6 75.8



#51

4-Methyl-2-Pentanone

Concen: 0.369 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN051542.D

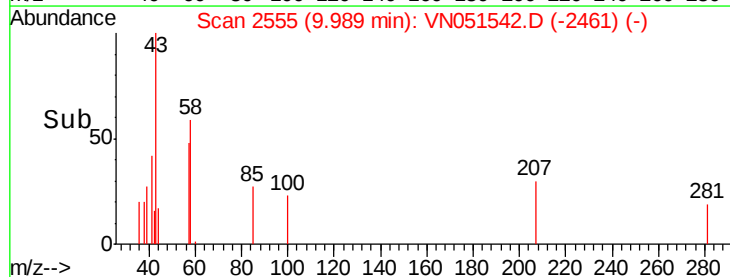
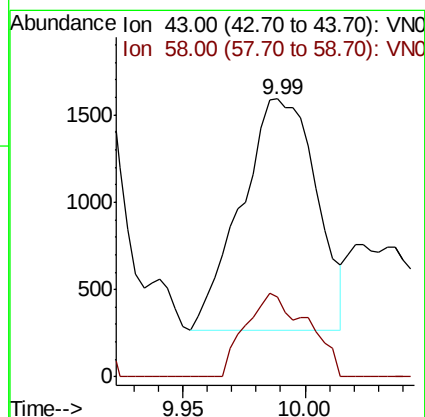
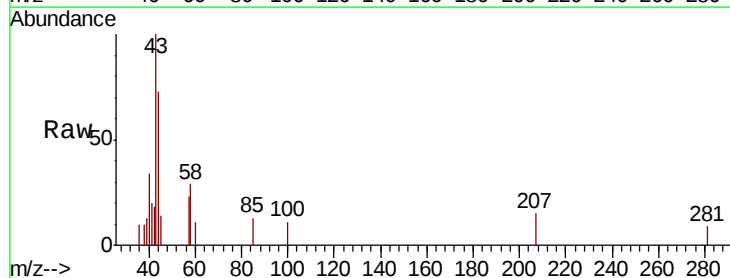
Acq: 26 Sep 2018 18:19

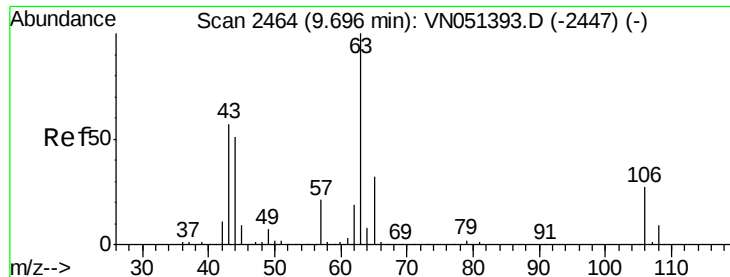
Tgt Ion: 43 Resp: 2830

Ion Ratio Lower Upper

43 100

58 29.8 31.5 47.3#





#58

2-Chloroethyl Vinyl ether

Concen: 20.396 ug/l

RT: 9.70 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VN051542.D

Acq: 26 Sep 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

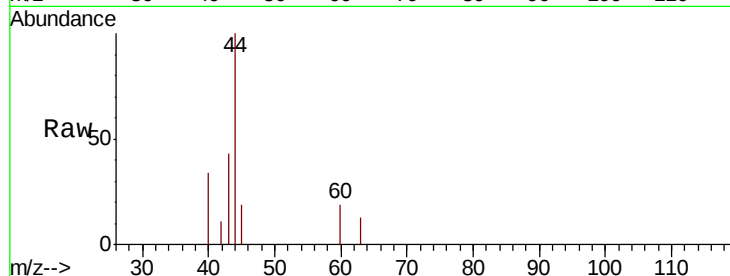
PB113219TB

Tot Ion: 63 Resp: 168

Ion Ratio Lower Upper

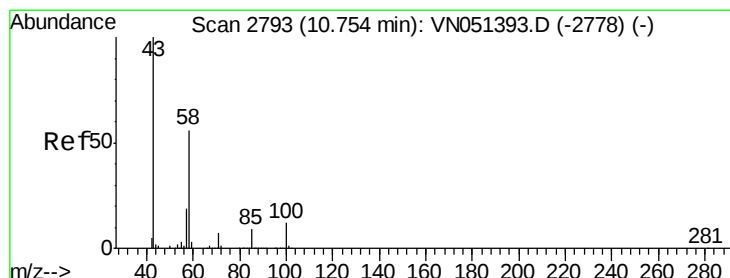
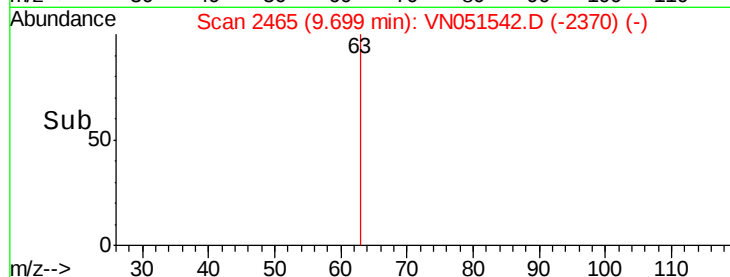
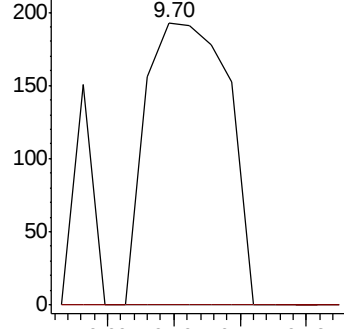
63 100

106 0.0 21.4 32.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



#59

2-Hexanone

Concen: 4.667 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN051542.D

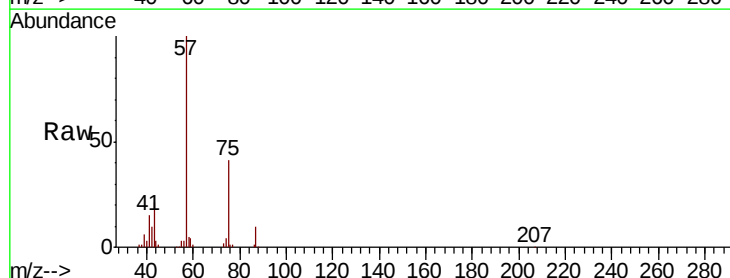
Acq: 26 Sep 2018 18:19

Tgt Ion: 43 Resp: 23233

Ion Ratio Lower Upper

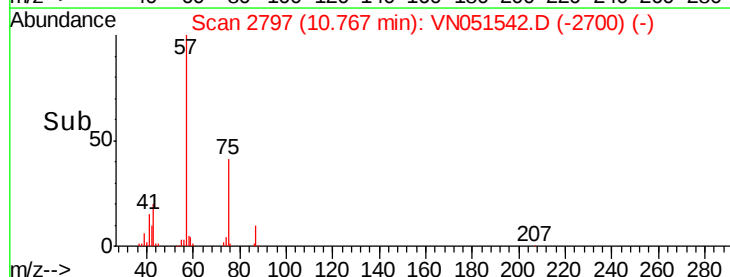
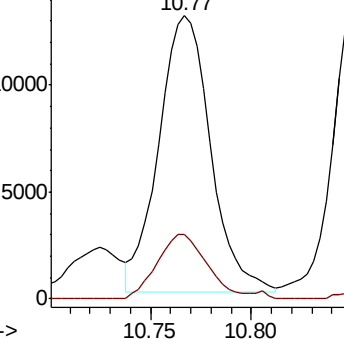
43 100

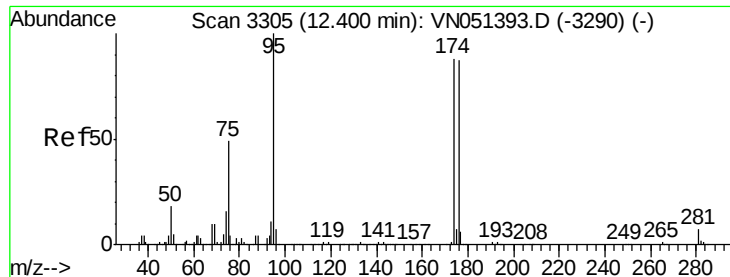
58 22.8 27.7 83.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 40.317 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051542.D

Acq: 26 Sep 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

PB113219TB

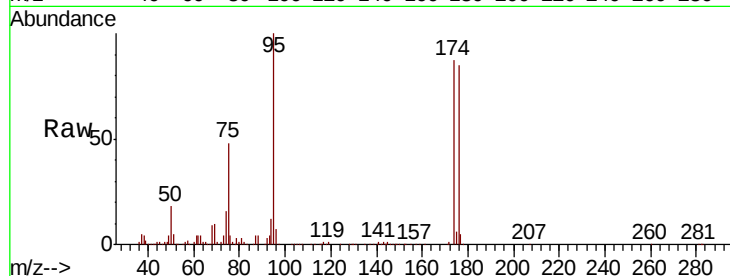
Tot Ion: 95 Resp: 455505

Ion Ratio Lower Upper

95 100

174 88.8 0.0 181.6

176 85.3 0.0 176.4

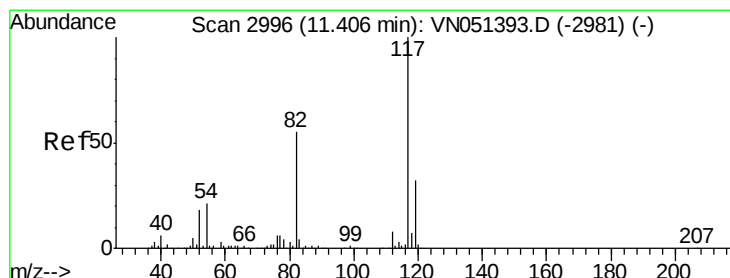
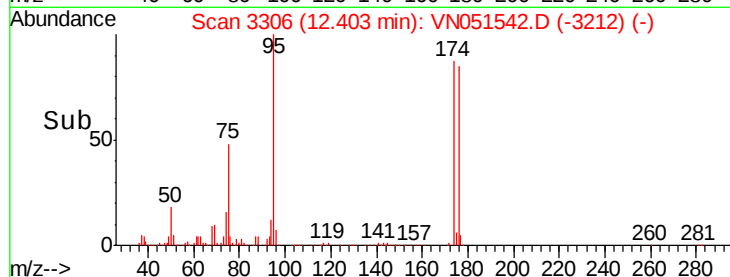


Abundance Ion 94.90 (94.60 to 95.60): VN051393.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN051393.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN051393.D (-3290) (-)

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051542.D

Acq: 26 Sep 2018 18:19

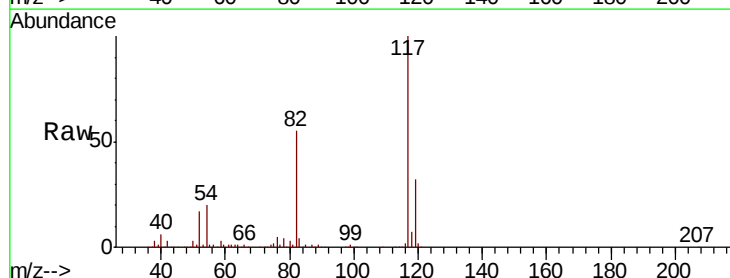
Tgt Ion: 117 Resp: 992989

Ion Ratio Lower Upper

117 100

82 54.8 44.2 66.2

119 32.3 25.9 38.9

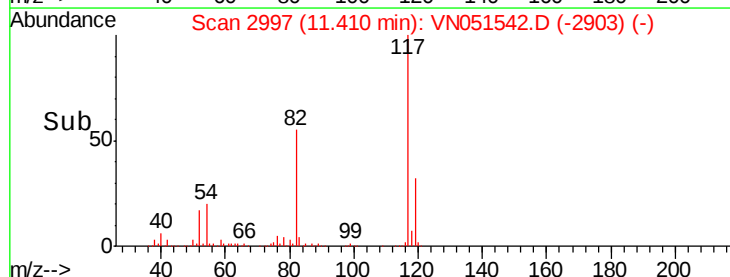


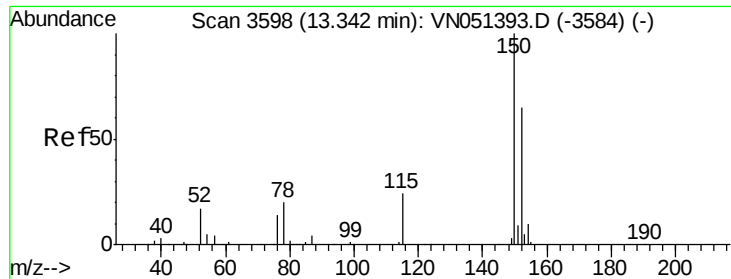
Abundance Ion 116.90 (116.60 to 117.60): VN051393.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN051393.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN051393.D (-2981) (-)

Time--> 11.30 11.40 11.50





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051542.D

Acq: 26 Sep 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

PB113219TB

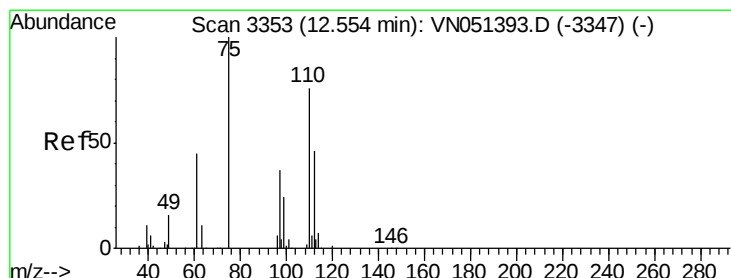
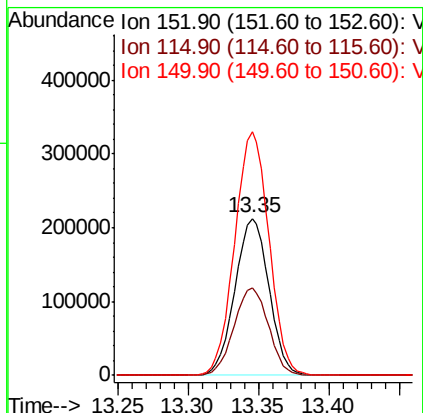
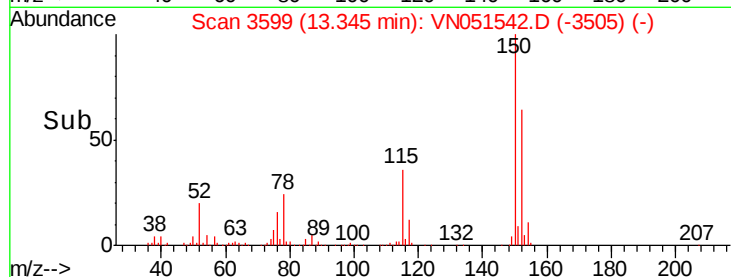
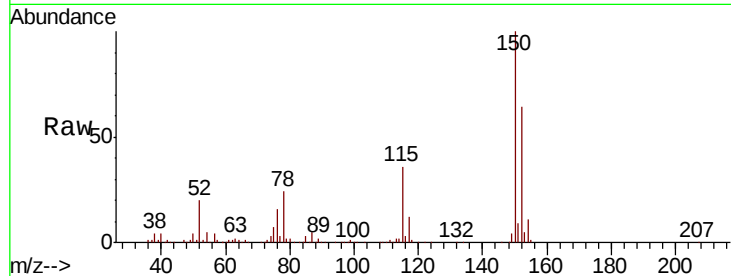
Tot Ion:152 Resp: 359270

Ion Ratio Lower Upper

152 100

115 56.5 28.3 84.9

150 156.3 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 36.723 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051542.D

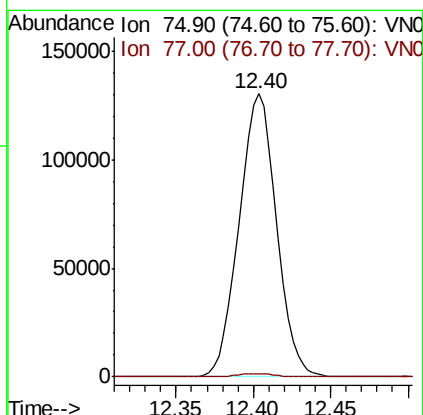
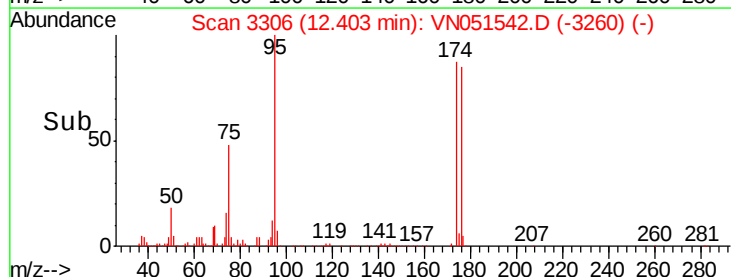
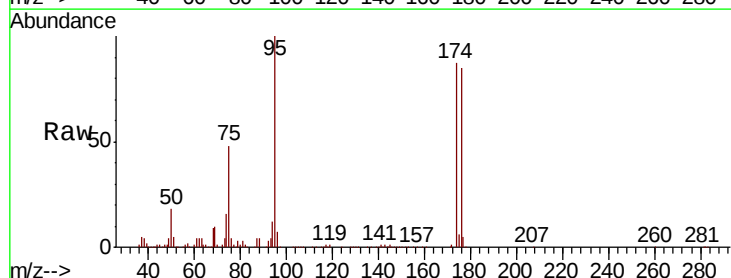
Acq: 26 Sep 2018 18:19

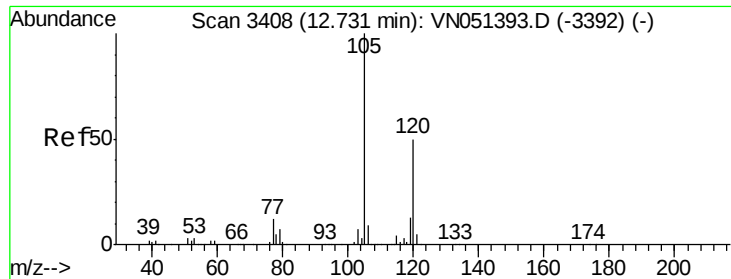
Tgt Ion: 75 Resp: 219018

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

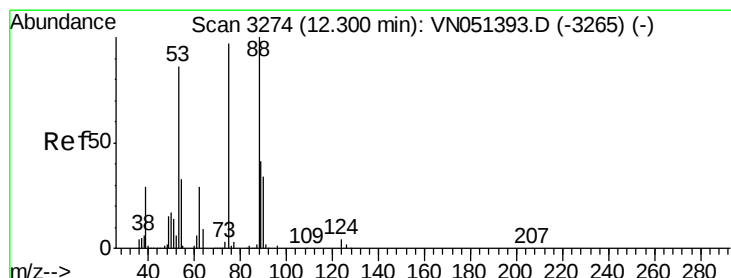
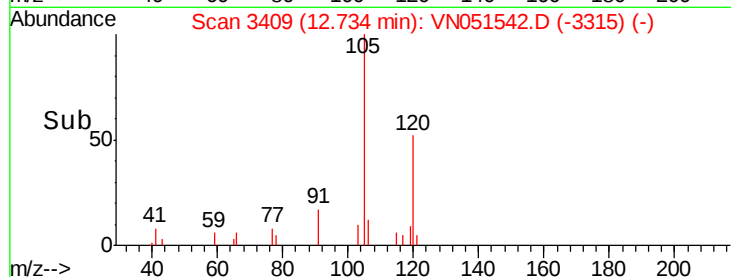
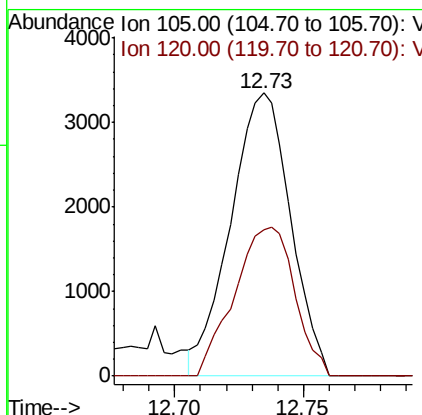
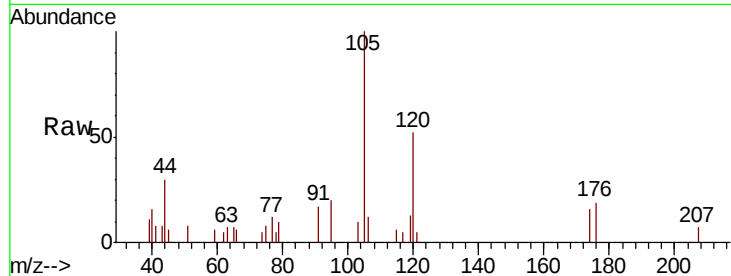




#80
 1,3,5-Trimethylbenzene
 Concen: 0.220 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN051542.D
 Acq: 26 Sep 2018 18:19

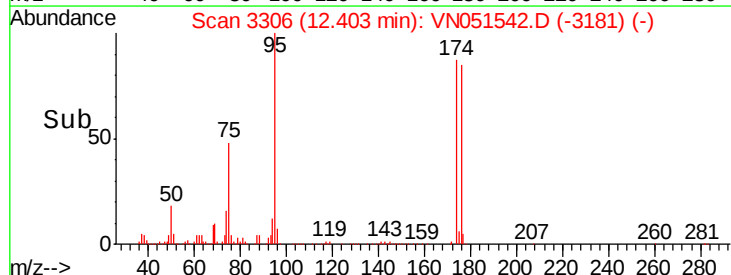
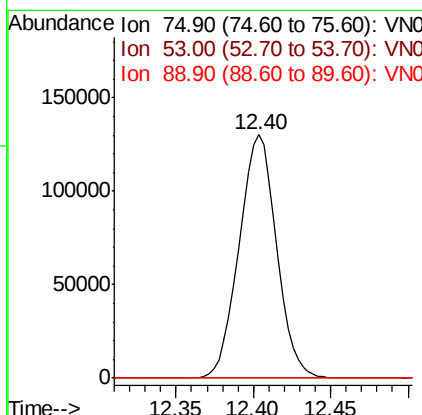
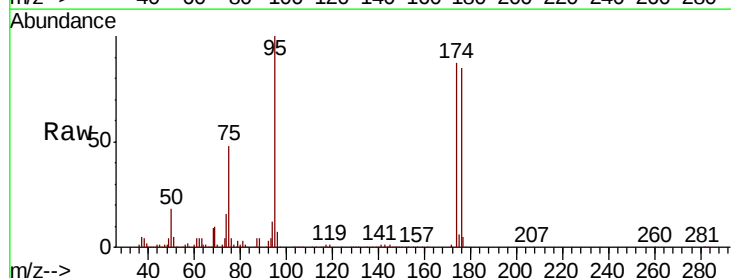
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113219TB

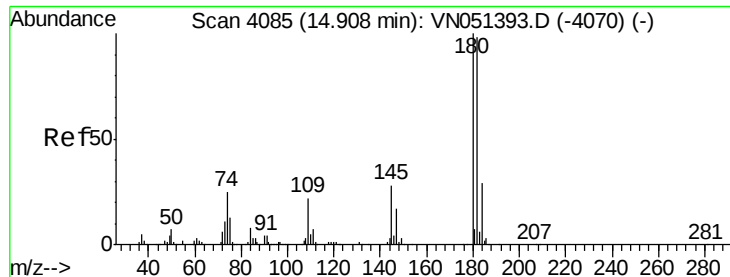
Tot Ion:105 Resp: 5426
 Ion Ratio Lower Upper
 105 100
 120 52.9 24.8 74.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.920 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN051542.D
 Acq: 26 Sep 2018 18:19

Tgt Ion: 75 Resp: 219018
 Ion Ratio Lower Upper
 75 100
 53 0.2 73.9 110.9#
 89 0.0 36.7 55.1#

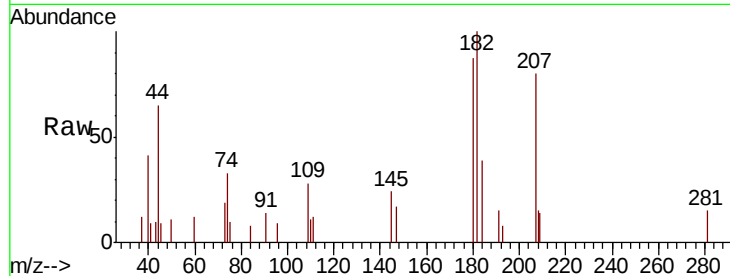




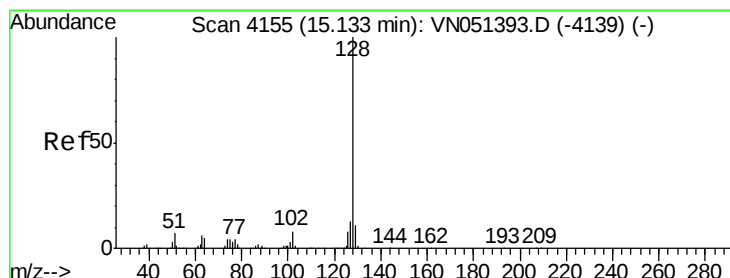
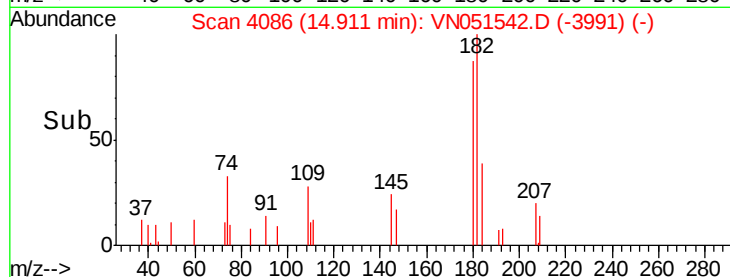
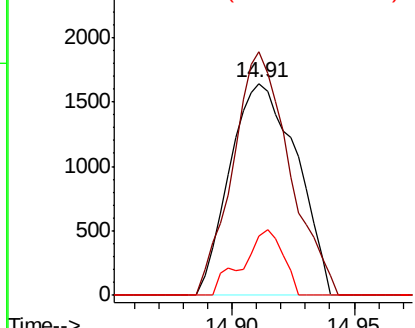
#93
 1,2,4-Trichlorobenzene
 Concen: 6.377 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051542.D
 Acq: 26 Sep 2018 18:19

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113219TB

Tot Ion:180 Resp: 3122
 Ion Ratio Lower Upper
 180 100
 182 97.4 48.5 145.6
 145 18.5 14.1 42.4

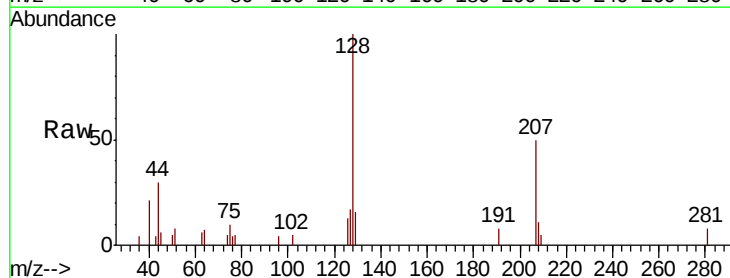


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

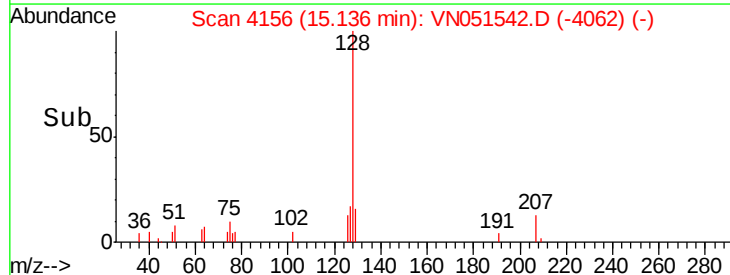
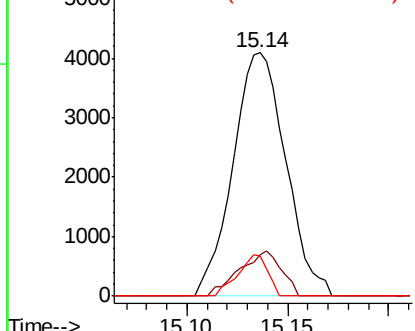


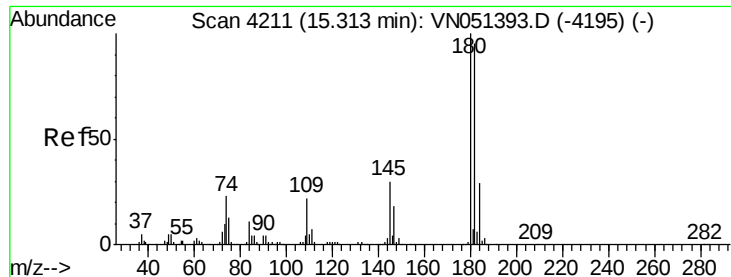
#95
 Naphthalene
 Concen: 8.515 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN051542.D
 Acq: 26 Sep 2018 18:19

Tgt Ion:128 Resp: 7489
 Ion Ratio Lower Upper
 128 100
 127 14.7 10.5 15.7
 129 9.6 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





#96
 1,2,3-Trichlorobenzene
 Concen: 0.516 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN051542.D
 Acq: 26 Sep 2018 18:19

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113219TB

Tot Ion	Ratio	Lower	Upper
180	100		
182	104.4	47.2	141.6
145	24.7	14.6	43.8

