

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051548.D
 Acq On : 26 Sep 2018 20:47
 Operator : MD\SY
 Sample : PB113219ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113219ZHE#05

Quant Time: Sep 27 08:00:13 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	646814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1065807	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	900169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	328318	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	468494	57.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.64%	
35) Dibromofluoromethane	7.59	113	406304	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
50) Toluene-d8	10.09	98	1459427	45.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.94%	
62) 4-Bromofluorobenzene	12.40	95	409782	39.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.94%	

Target Compounds

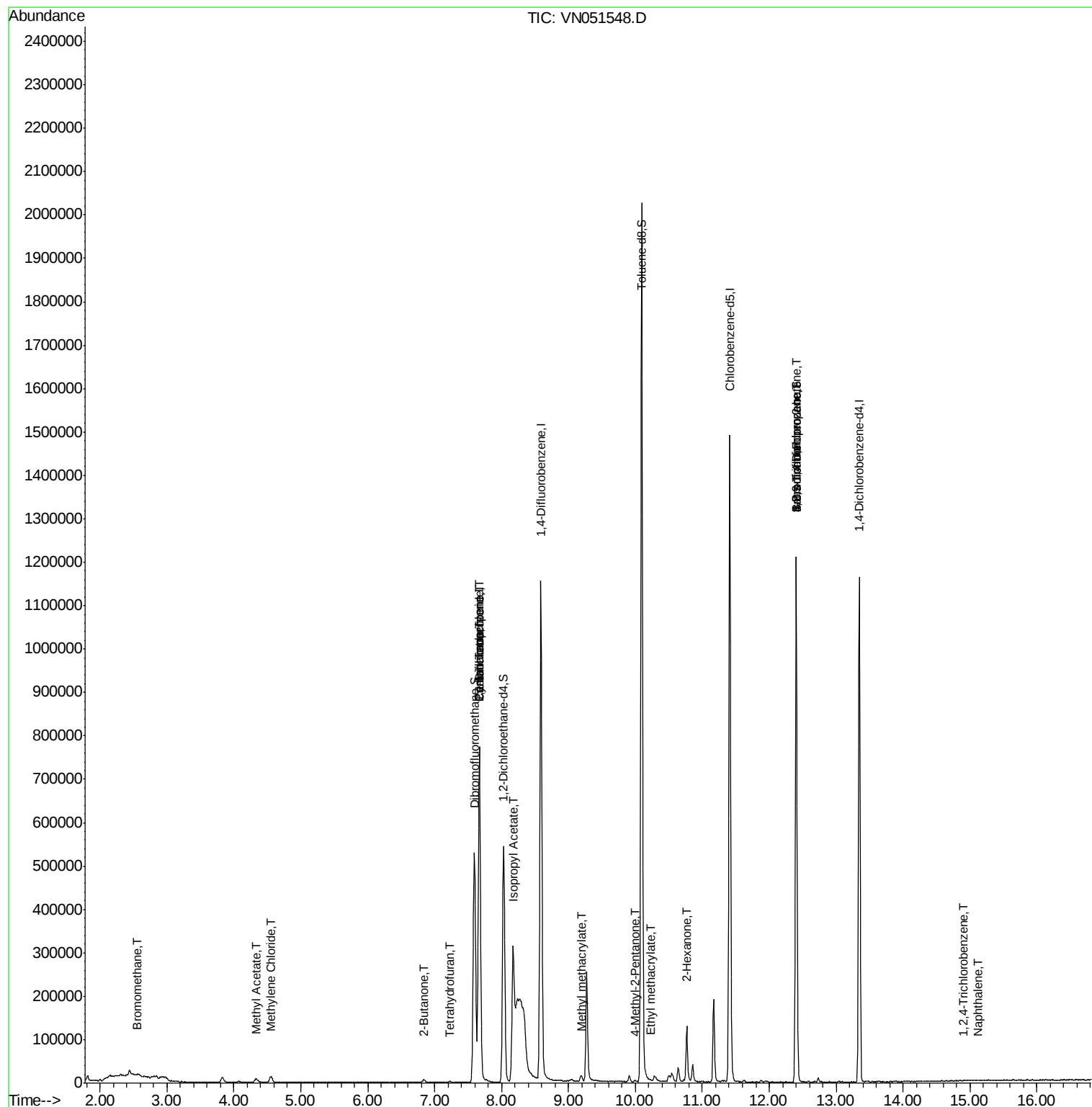
					Qvalue	
5) Bromomethane	2.56	94	1772	0.338	ug/l #	60
16) Acetone	3.82	43	21723	Below Cal		99
18) Methyl Acetate	4.33	43	18005	2.918	ug/l #	86
20) Methylene Chloride	4.55	84	10356	1.292	ug/l #	95
25) 2-Butanone	6.85	43	4203	1.516	ug/l #	83
29) Tetrahydrofuran	7.23	42	1776	1.011	ug/l #	56
31) Cyclohexane	7.67	56	12734	0.998	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	47880	3.879	ug/l #	48
38) Carbon Tetrachloride	7.67	117	59523	4.611	ug/l #	17
43) Isopropyl Acetate	8.17	43	380567	29.657	ug/l #	90
48) Methyl methacrylate	9.18	41	7637	1.194	ug/l #	21
51) 4-Methyl-2-Pentanone	9.99	43	2279	0.323	ug/l #	36
56) Ethyl methacrylate	10.23	69	2062	0.212	ug/l #	70
59) 2-Hexanone	10.77	43	18478	4.039	ug/l #	57
71) Bromoform	12.40	173	3354	0.562	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	203269	37.295	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	203269	114.680	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.90	180	29	5.986	ug/l #	1
95) Naphthalene	15.13	128	474	8.077	ug/l #	69

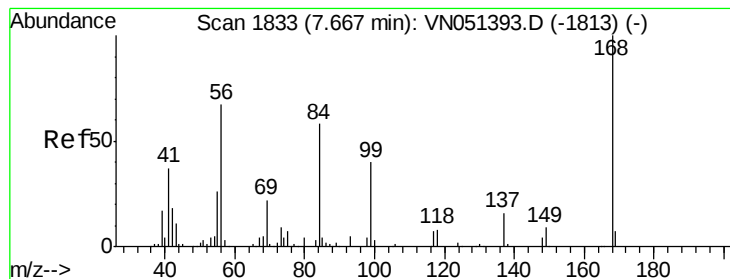
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN051548.D

Acq: 26 Sep 2018 20:47

Instrument :

MSVOA_N

ClientSampleId :

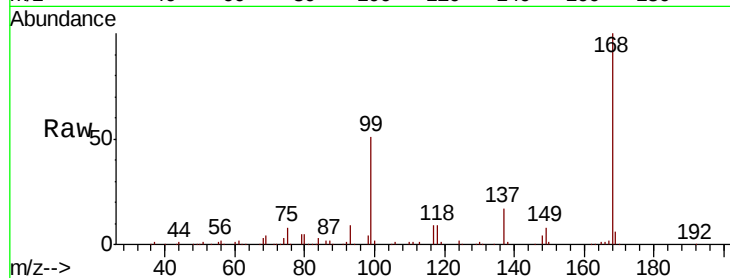
PB113219ZHE#05

Tot Ion:168 Resp: 646814

Ion Ratio Lower Upper

168 100

99 51.4 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051393.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051393.D (-1813) (-)

7.67

300000

250000

200000

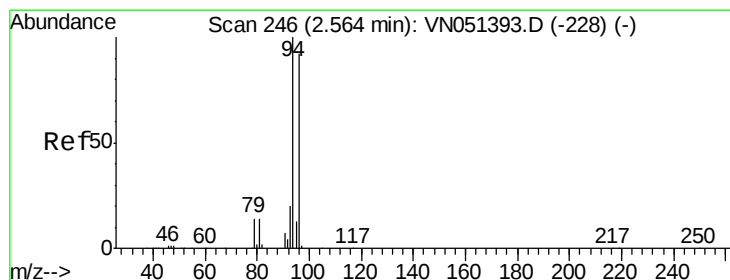
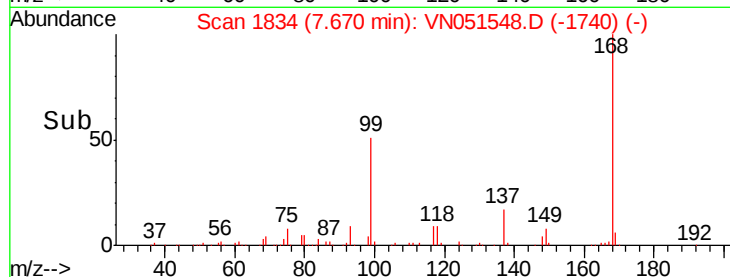
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.338 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051548.D

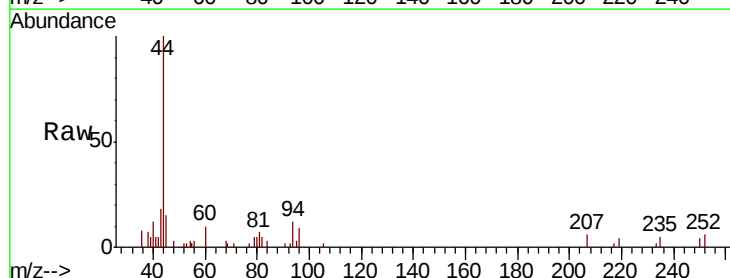
Acq: 26 Sep 2018 20:47

Tgt Ion: 94 Resp: 1772

Ion Ratio Lower Upper

94 100

96 54.3 73.6 110.4#



Abundance Ion 93.90 (93.60 to 94.60): VN051393.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VN051393.D (-228) (-)

2.56

800

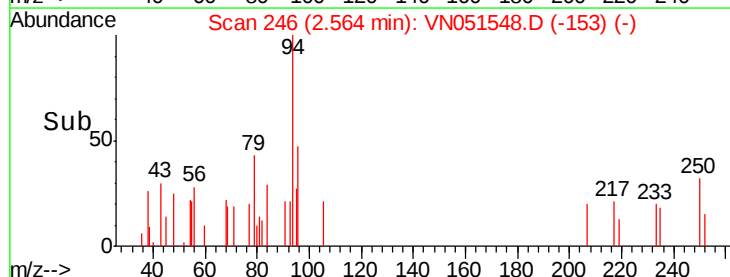
600

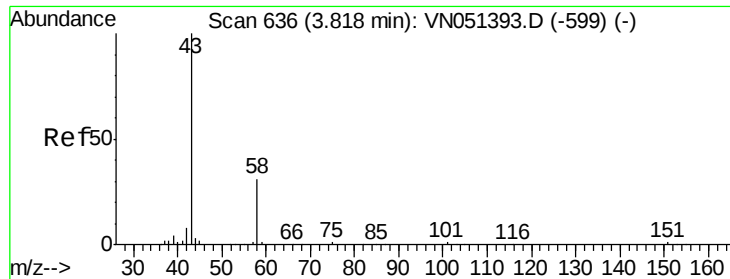
400

200

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051548.D

Acq: 26 Sep 2018 20:47

Instrument :

MSVOA_N

ClientSampleId :

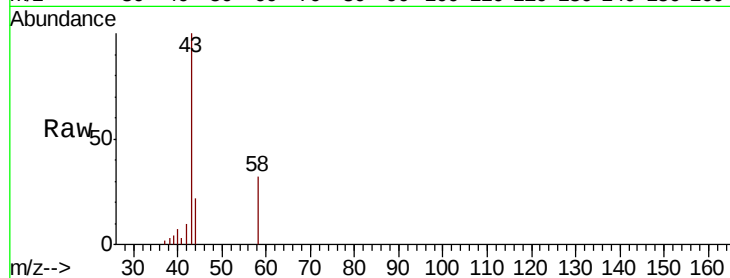
PB113219ZHE#05

Tot Ion: 43 Resp: 21723

Ion Ratio Lower Upper

43 100

58 31.7 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN051393.D (-599) (-)

3.82

8000

6000

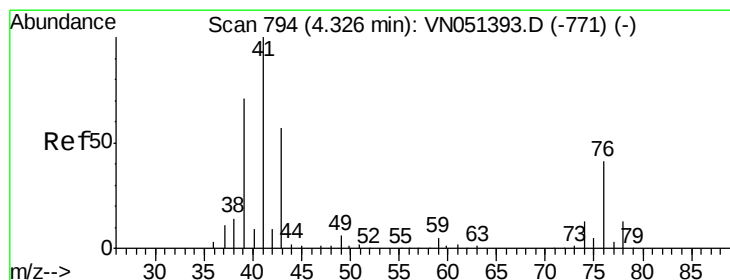
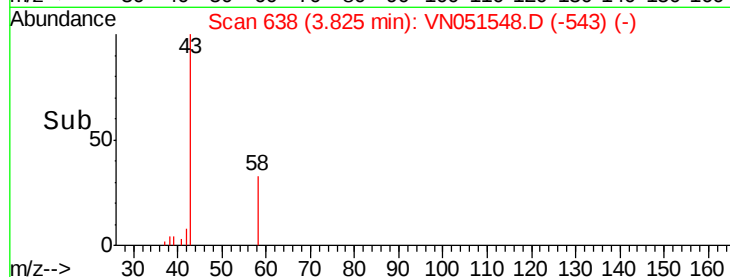
4000

2000

0

Time-->

3.70 3.80 3.90



#18

Methyl Acetate

Concen: 2.918 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN051548.D

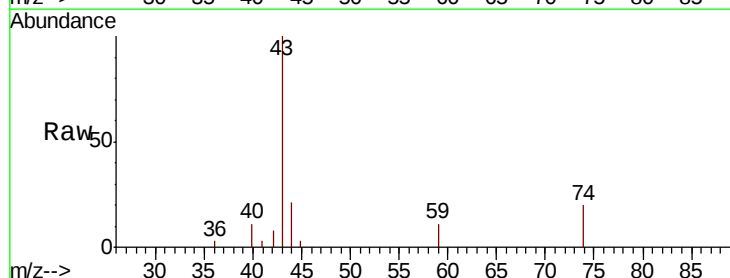
Acq: 26 Sep 2018 20:47

Tgt Ion: 43 Resp: 18005

Ion Ratio Lower Upper

43 100

74 16.8 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-771) (-)

Ion 74.00 (73.70 to 74.70): VN051393.D (-771) (-)

4.33

6000

5000

4000

3000

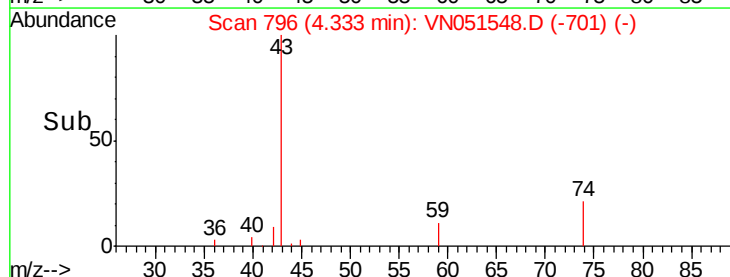
2000

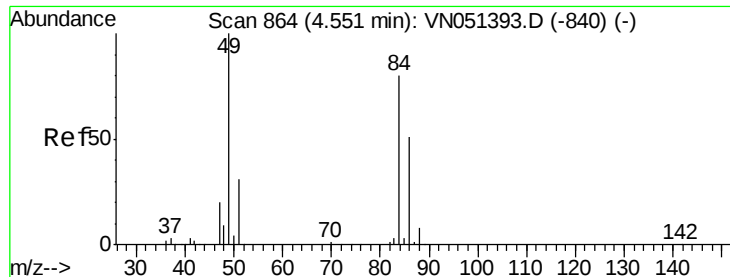
1000

0

Time-->

4.25 4.30 4.35 4.40 4.45

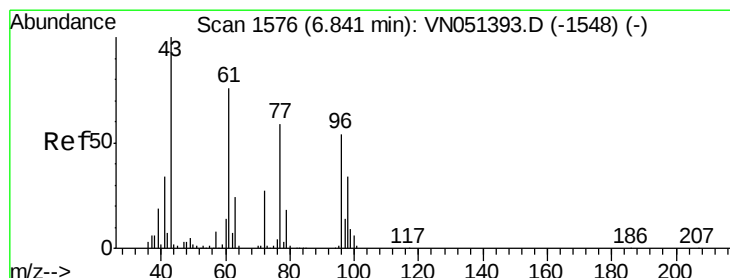
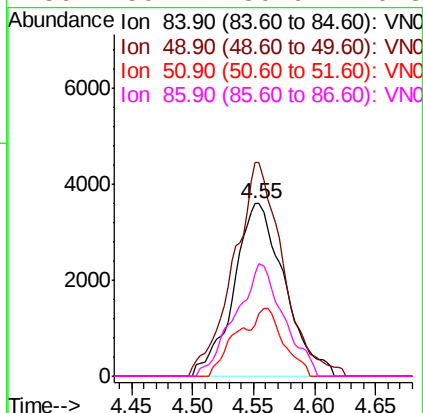
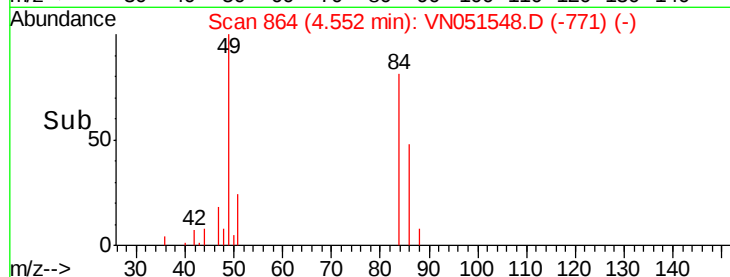
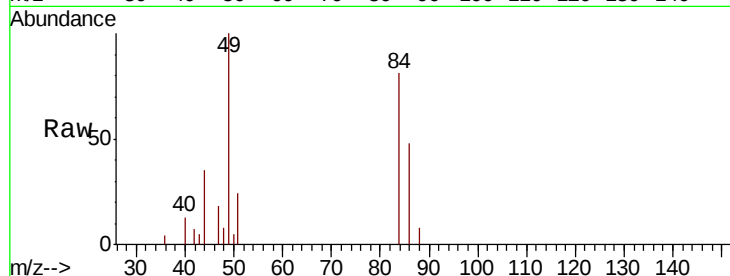




#20
Methvlene Chloride
Concen: 1.292 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051548.D
Acq: 26 Sep 2018 20:47

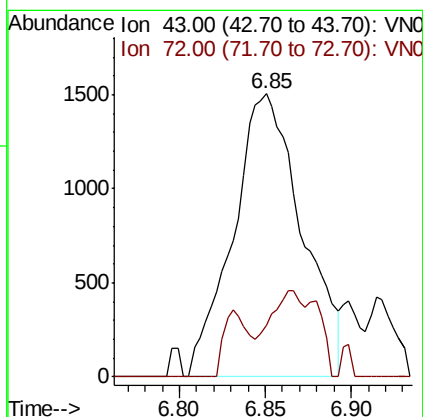
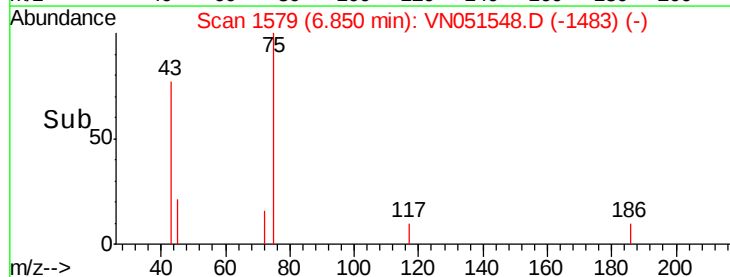
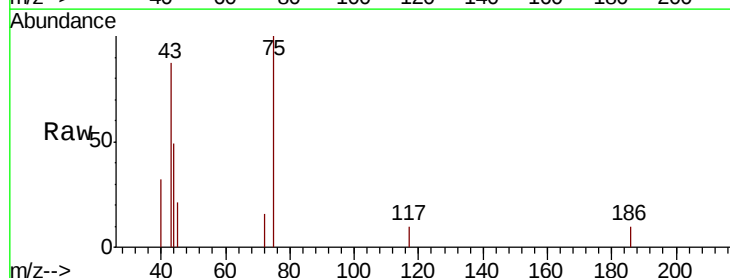
Instrument :
MSVOA_N
ClientSampleId :
PB113219ZHE#05

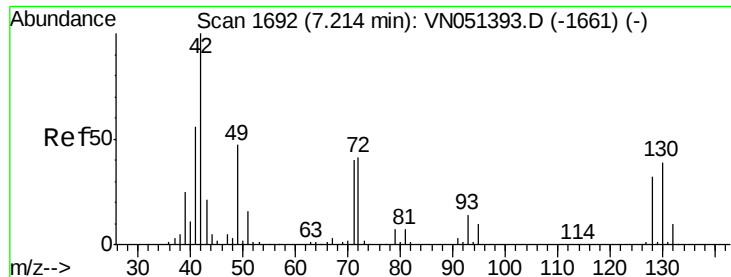
Tot Ion: 84 Resp: 10356
Ion Ratio Lower Upper
84 100
49 123.7 99.9 149.9
51 29.4 31.4 47.2#
86 59.4 50.9 76.3



#25
2-Butanone
Concen: 1.516 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN051548.D
Acq: 26 Sep 2018 20:47

Tgt Ion: 43 Resp: 4203
Ion Ratio Lower Upper
43 100
72 18.3 21.8 32.6#





#29

Tetrahydrofuran

Concen: 1.011 ug/l

RT: 7.23 min Scan# 1698

Delta R.T. 0.02 min

Lab File: VN051548.D

Acq: 26 Sep 2018 20:47

Instrument :

MSVOA_N

ClientSampleId :

PB113219ZHE#05

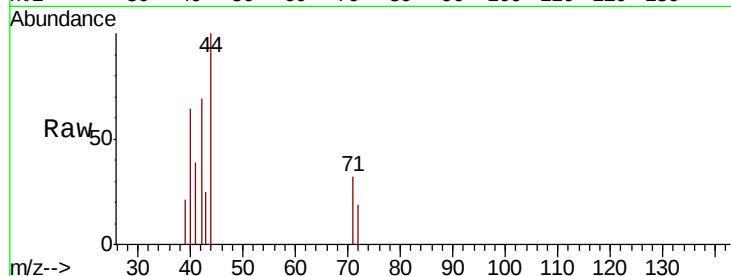
Tot Ion: 42 Resp: 1776

Ion Ratio Lower Upper

42 100

72 14.2 34.3 51.5#

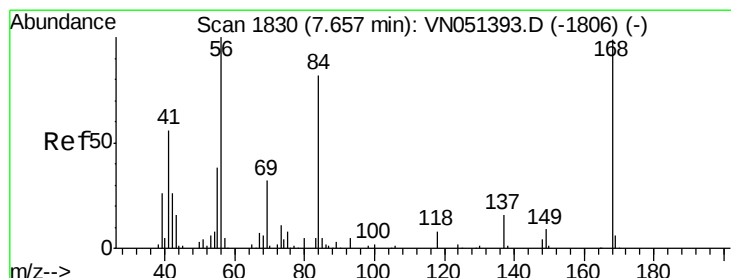
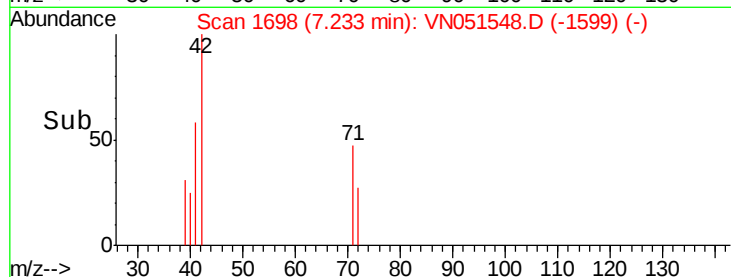
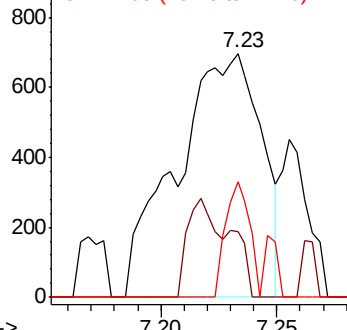
71 13.5 32.2 48.4#



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: 0.998 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VN051548.D

Acq: 26 Sep 2018 20:47

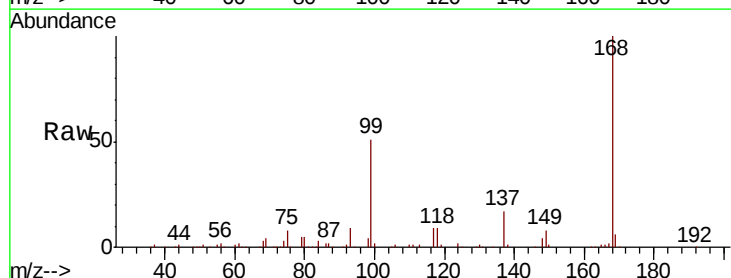
Tgt Ion: 56 Resp: 12734

Ion Ratio Lower Upper

56 100

69 162.2 25.8 38.6#

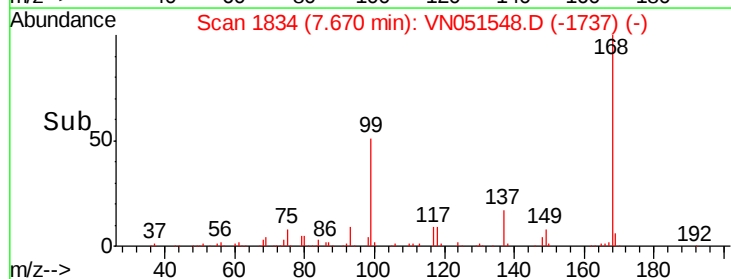
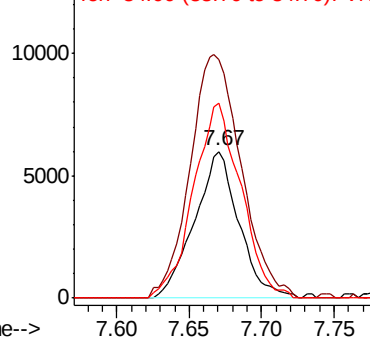
84 132.7 66.0 99.0#

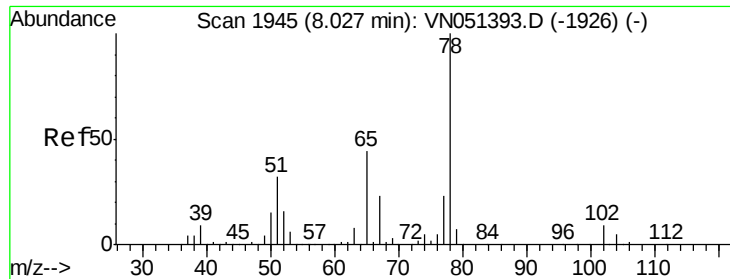


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

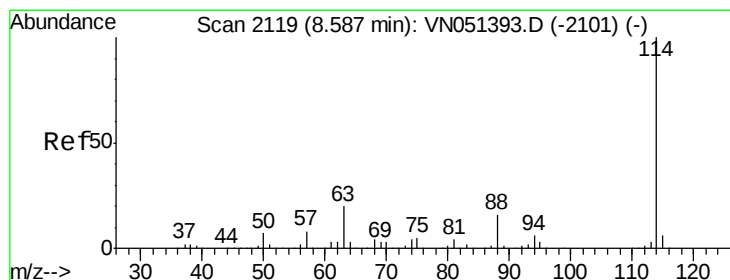
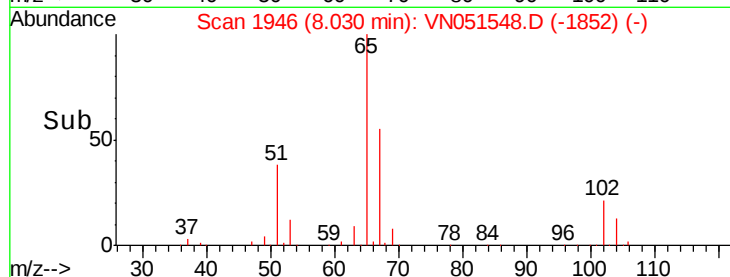
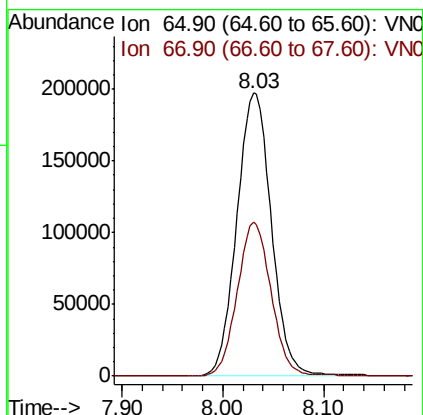
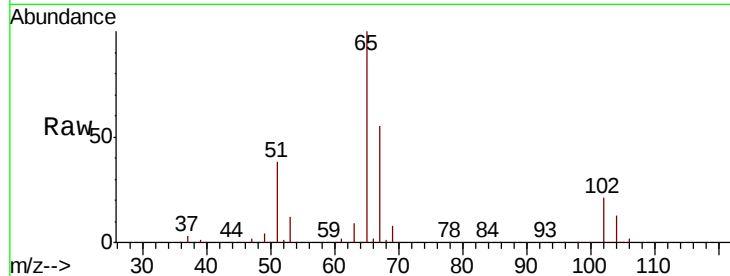




#33
 1,2-Dichloroethane-d4
 Concen: 57.821 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051548.D
 Acq: 26 Sep 2018 20:47

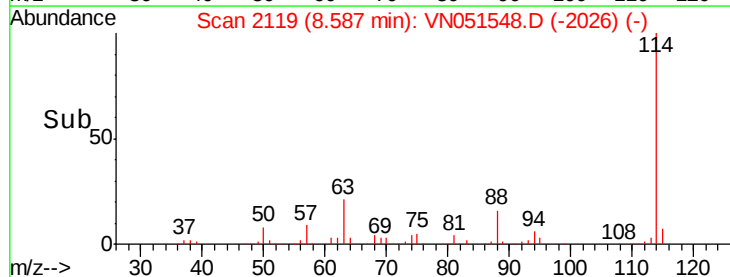
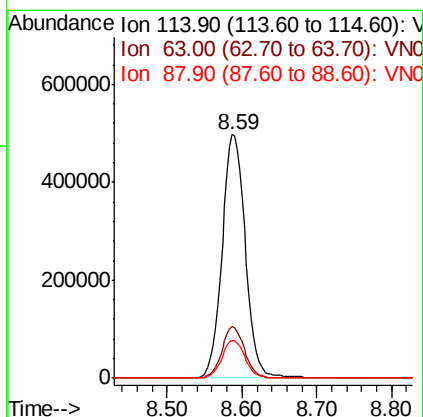
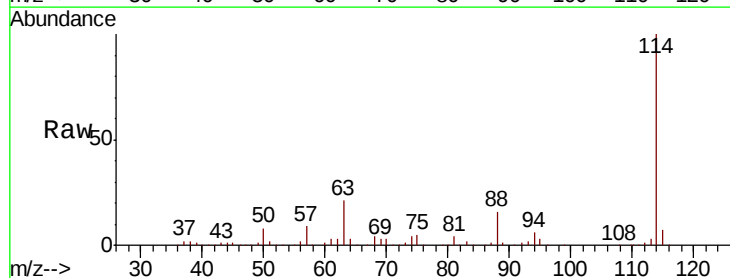
Instrument :
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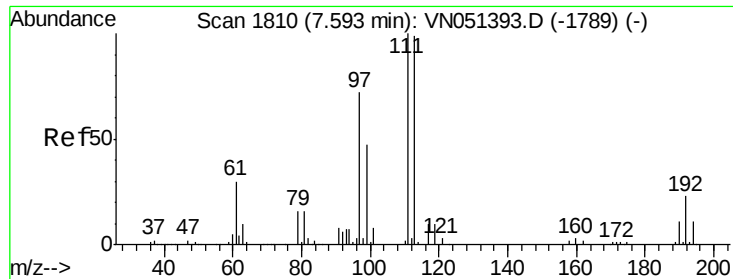
Tot Ion: 65 Resp: 468494
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051548.D
 Acq: 26 Sep 2018 20:47

Tgt Ion: 114 Resp: 1065807
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 40.2
 88 15.6 0.0 31.4

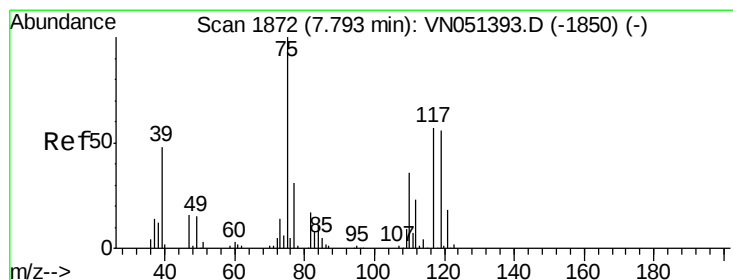
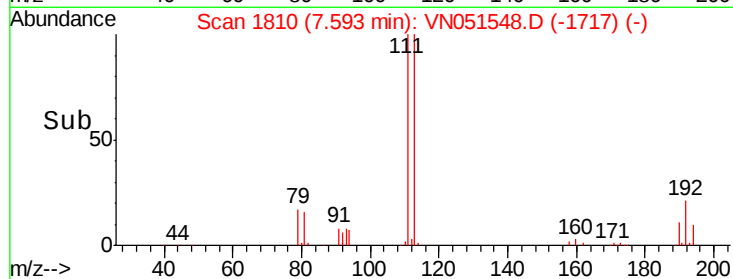
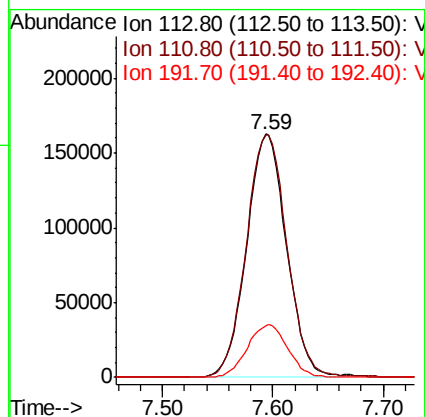
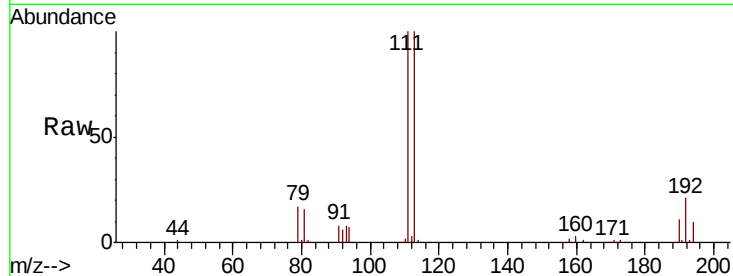




#35
 Dibromofluoromethane
 Concen: 47.673 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051548.D
 Acq: 26 Sep 2018 20:47

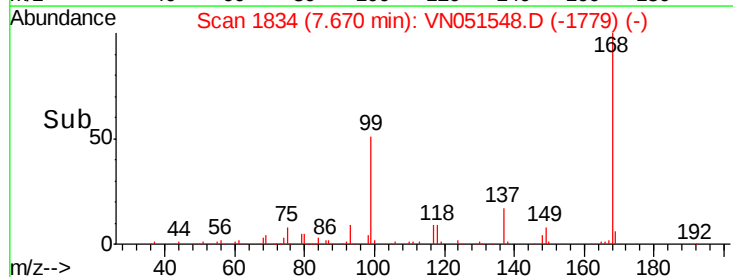
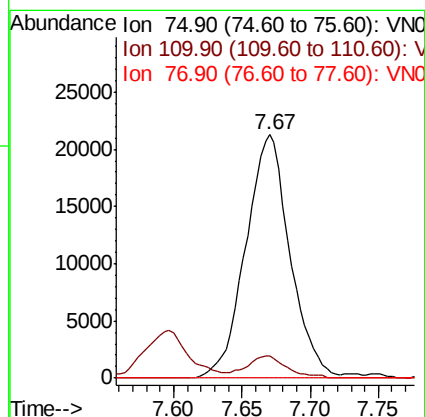
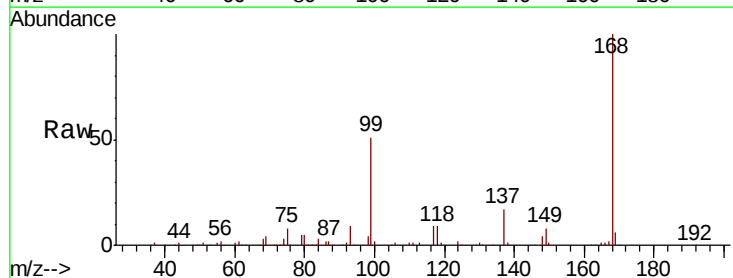
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113219ZHE#05

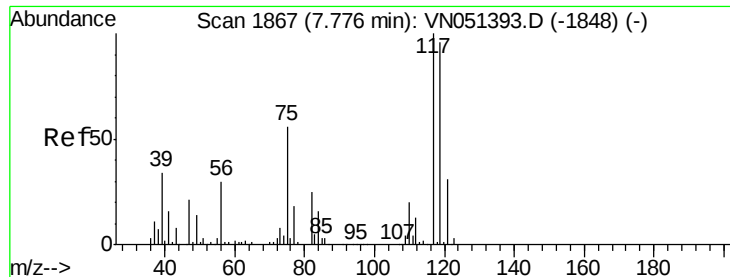
Tot Ion:113 Resp: 406304
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.6 123.8
 192 22.1 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 3.879 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN051548.D
 Acq: 26 Sep 2018 20:47

Tgt Ion: 75 Resp: 47880
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.1 54.3#
 77 0.0 25.6 38.4#





#38

Carbon Tetrachloride

Concen: 4.611 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.11 min

Lab File: VN051548.D

Acq: 26 Sep 2018 20:47

Instrument :

MSVOA_N

ClientSampleId :

PB113219ZHE#05

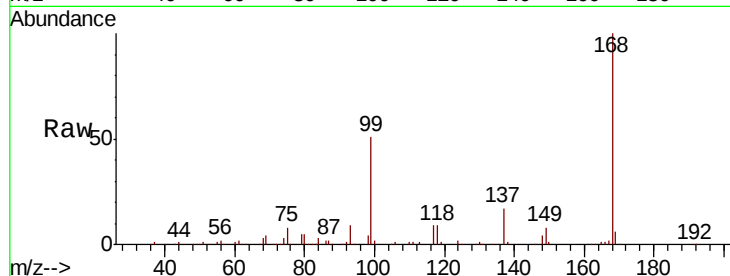
Tot Ion:117 Resp: 59523

Ion Ratio Lower Upper

117 100

119 6.5 76.9 115.3#

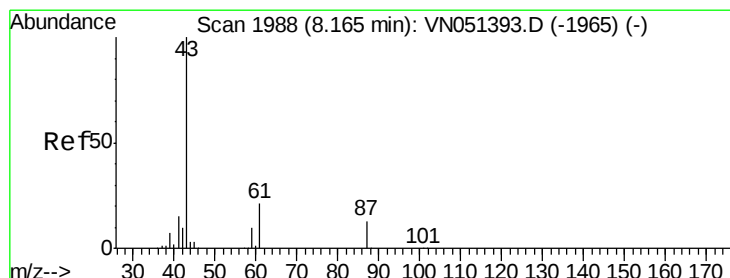
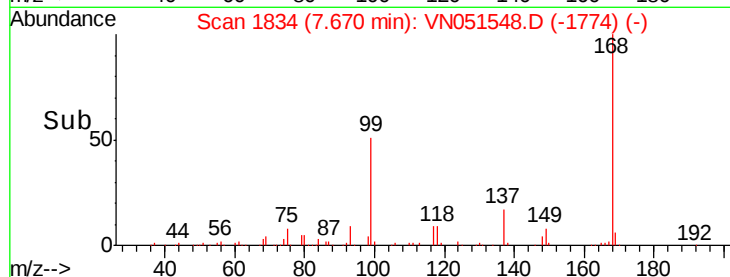
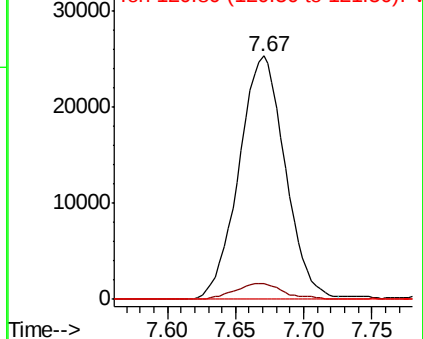
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 29.657 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN051548.D

Acq: 26 Sep 2018 20:47

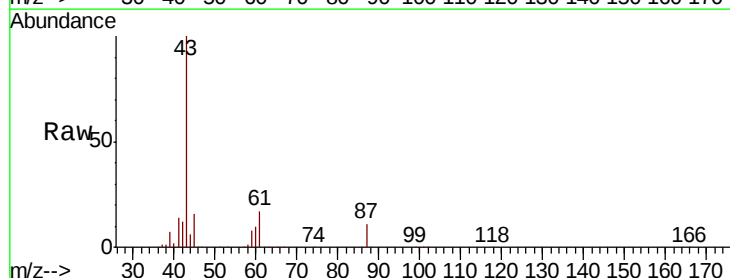
Tgt Ion: 43 Resp: 380567

Ion Ratio Lower Upper

43 100

61 16.1 16.8 25.2#

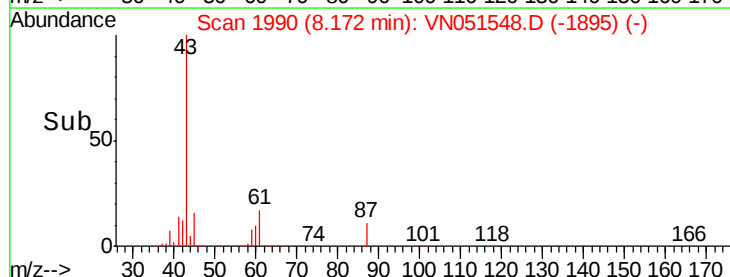
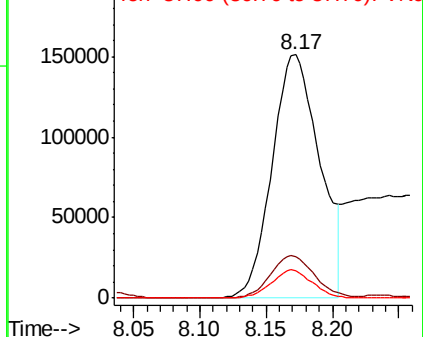
87 9.9 10.7 16.1#

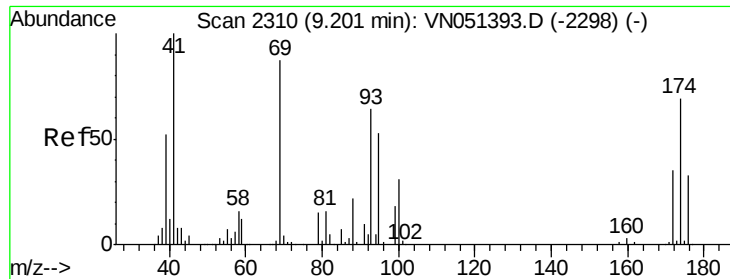


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

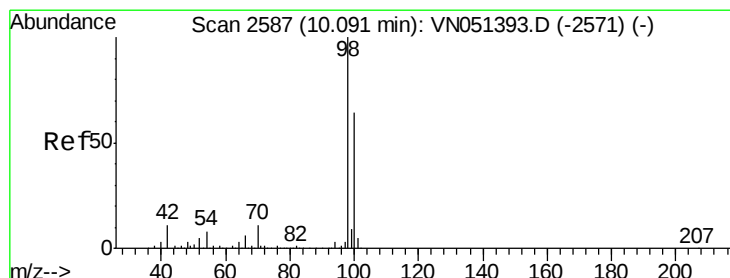
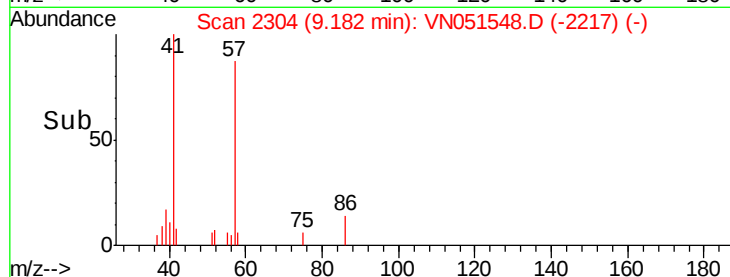
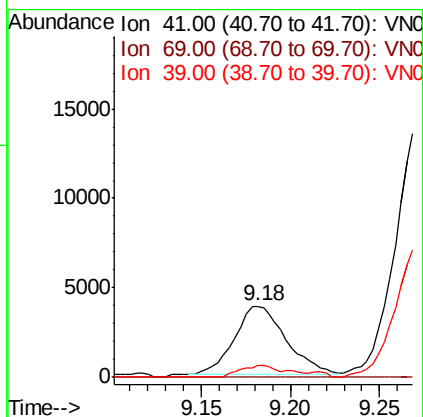
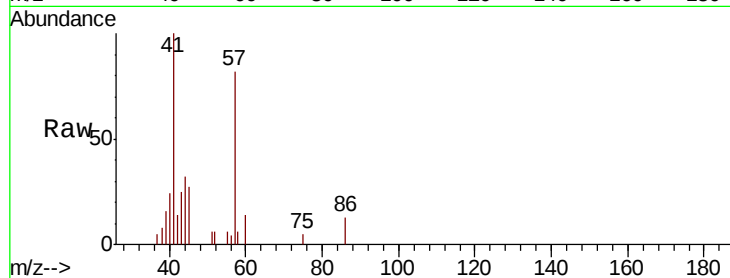




#48
Methvl methacrylate
Concen: 1.194 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN051548.D
Acq: 26 Sep 2018 20:47

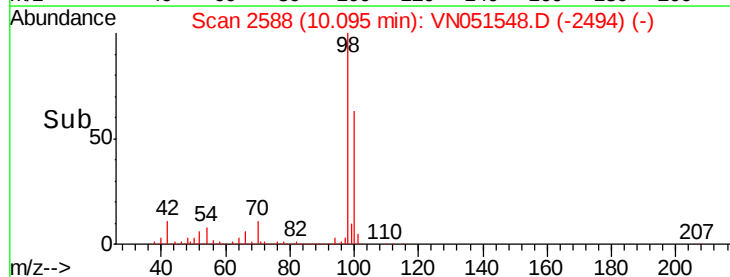
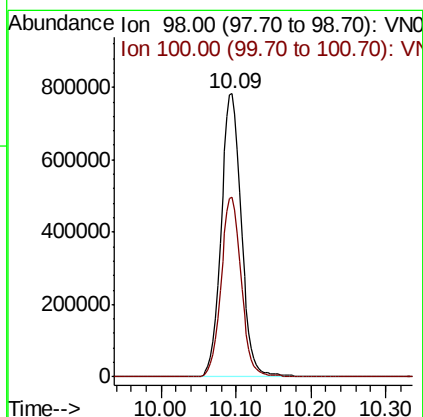
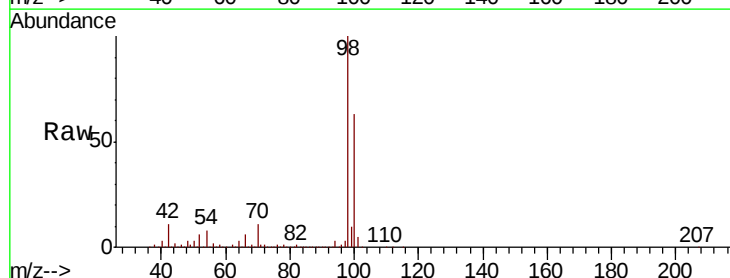
Instrument :
MSVOA_N
ClientSampleId :
PB113219ZHE#05

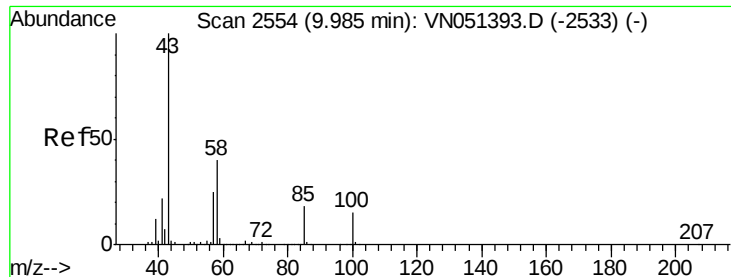
Tot Ion: 41 Resp: 7637
Ion Ratio Lower Upper
41 100
69 0.0 70.4 105.6#
39 15.1 43.8 65.8#



#50
Toluene-d8
Concen: 45.474 ug/l
RT: 10.09 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN051548.D
Acq: 26 Sep 2018 20:47

Tgt Ion: 98 Resp: 1459427
Ion Ratio Lower Upper
98 100
100 63.3 50.6 75.8





#51

4-Methyl-2-Pentanone

Concen: 0.323 ug/l

RT: 9.99 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN051548.D

Acq: 26 Sep 2018 20:47

Instrument :

MSVOA_N

ClientSampleId :

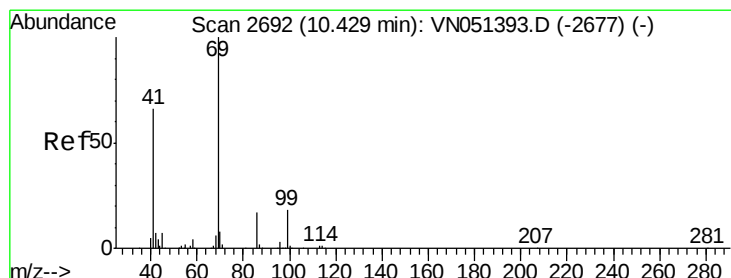
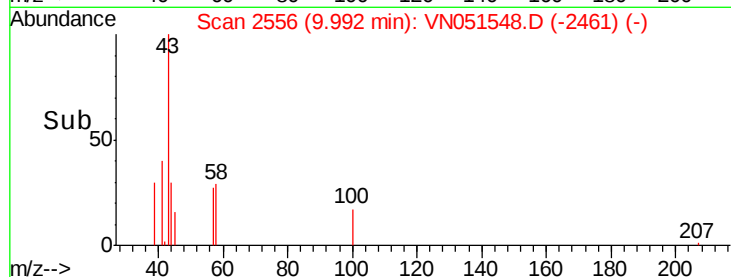
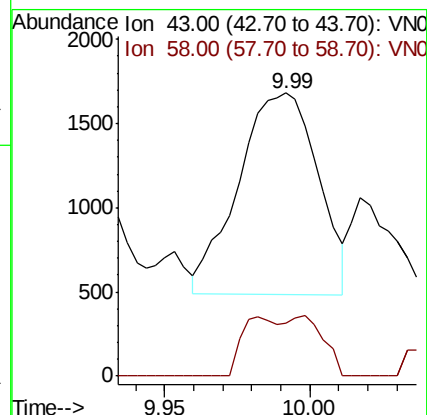
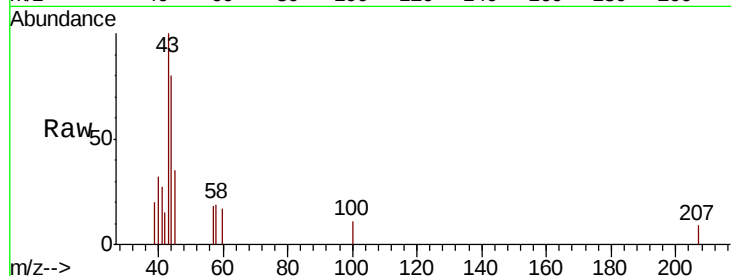
PB113219ZHE#05

Tot Ion: 43 Resp: 2279

Ion Ratio Lower Upper

43 100

58 0.0 31.5 47.3#



#56

Ethyl methacrylate

Concen: 0.212 ug/l

RT: 10.23 min Scan# 2631

Delta R.T. -0.20 min

Lab File: VN051548.D

Acq: 26 Sep 2018 20:47

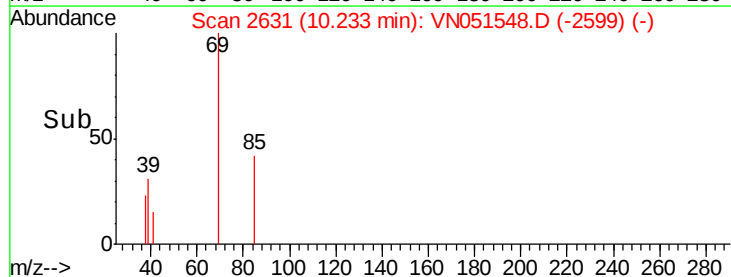
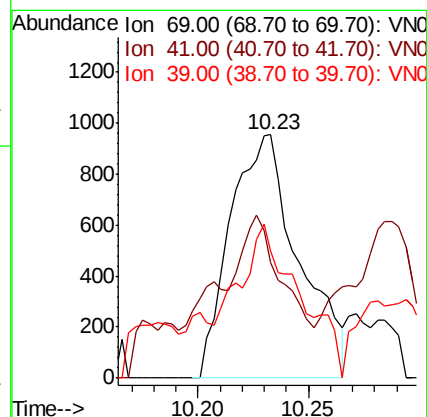
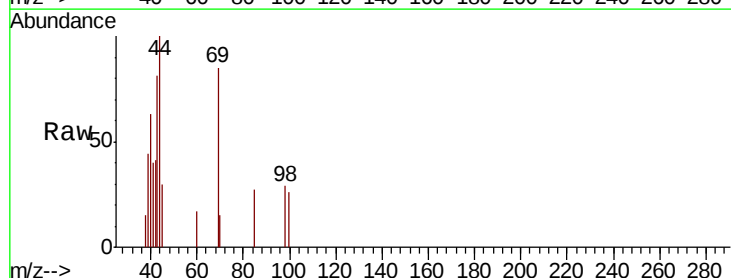
Tgt Ion: 69 Resp: 2062

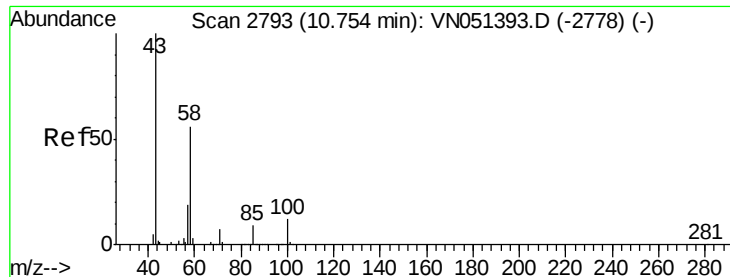
Ion Ratio Lower Upper

69 100

41 46.6 52.4 78.6#

39 57.4 26.3 39.5#

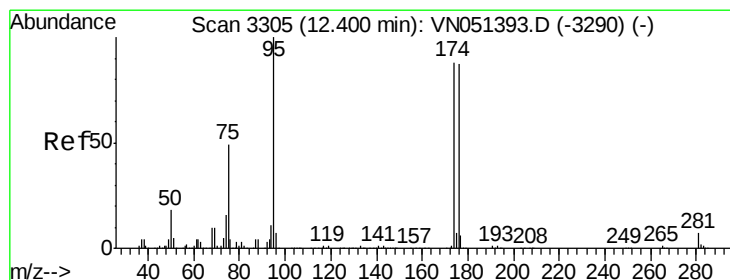
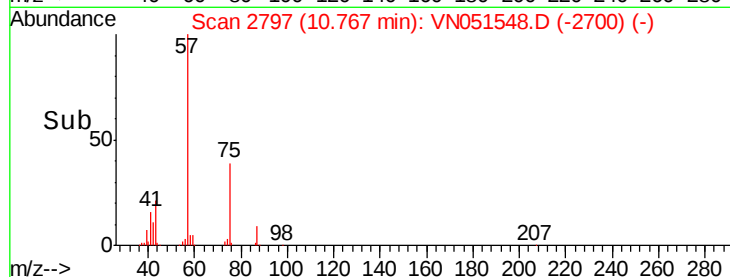
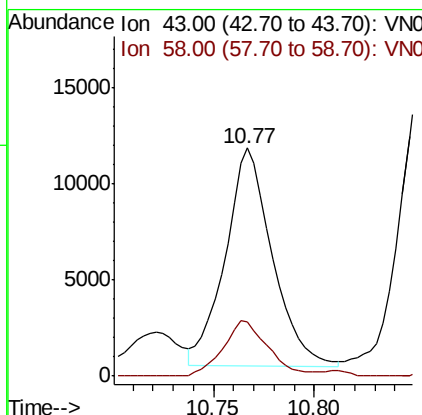
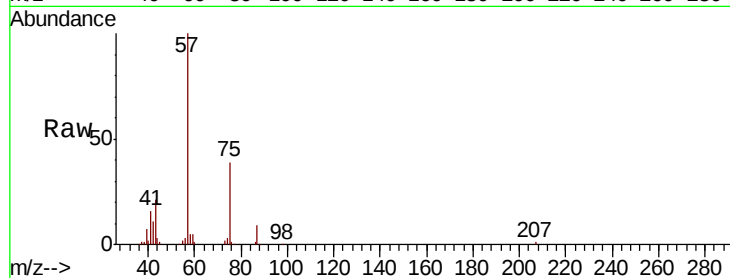




#59
2-Hexanone
Concen: 4.039 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN051548.D
Acq: 26 Sep 2018 20:47

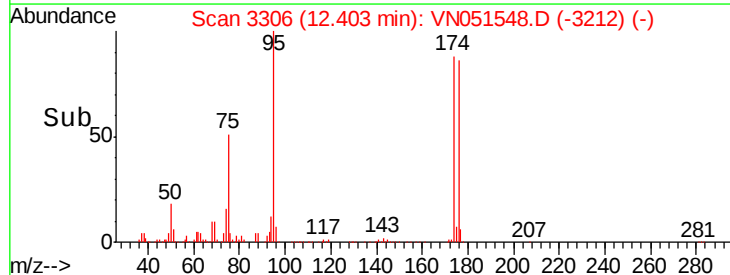
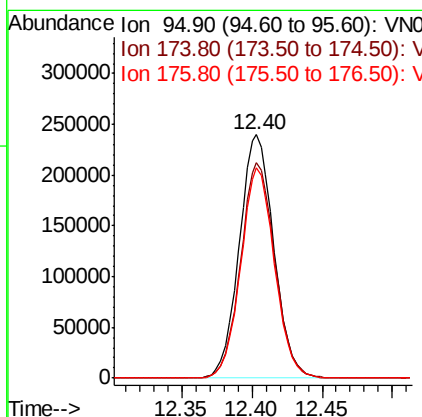
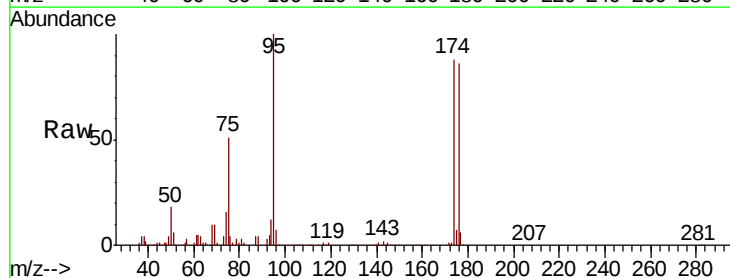
Instrument :
MSVOA_N
ClientSampleId :
PB113219ZHE#05

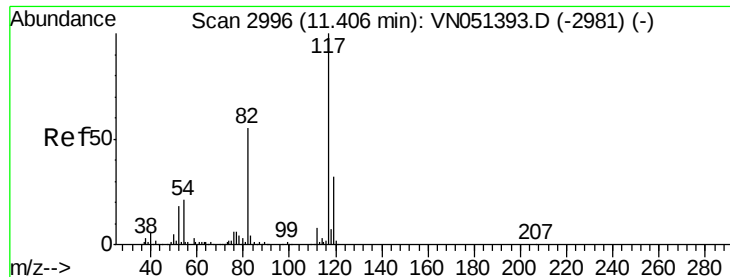
Tot Ion: 43 Resp: 18478
Ion Ratio Lower Upper
43 100
58 24.3 27.7 83.0#



#62
4-Bromofluorobenzene
Concen: 39.469 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051548.D
Acq: 26 Sep 2018 20:47

Tgt Ion: 95 Resp: 409782
Ion Ratio Lower Upper
95 100
174 88.4 0.0 181.6
176 84.8 0.0 176.4

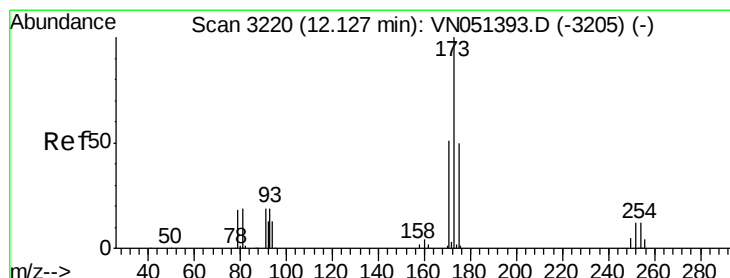
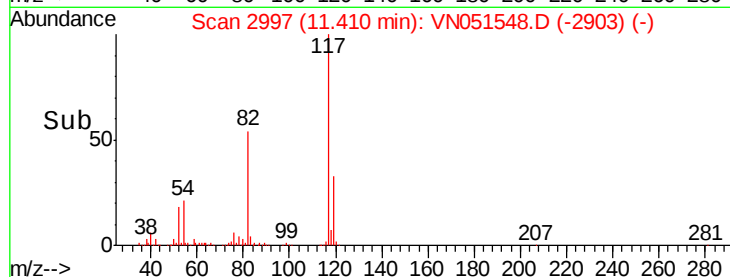
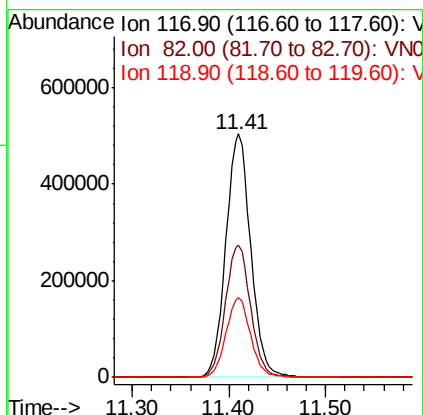
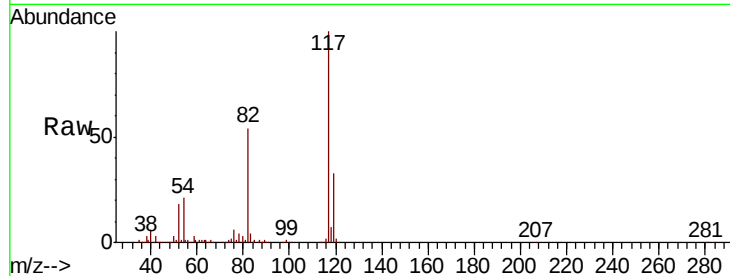




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051548.D
Acq: 26 Sep 2018 20:47

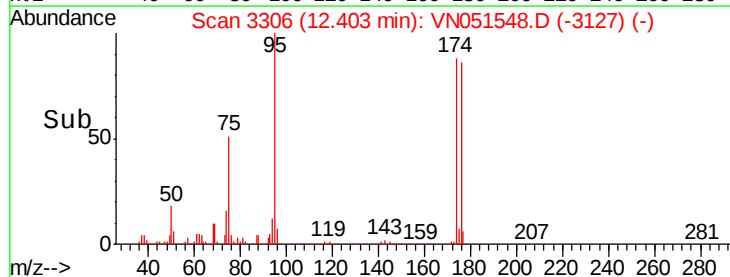
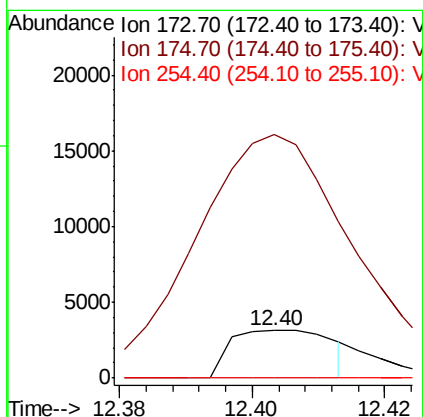
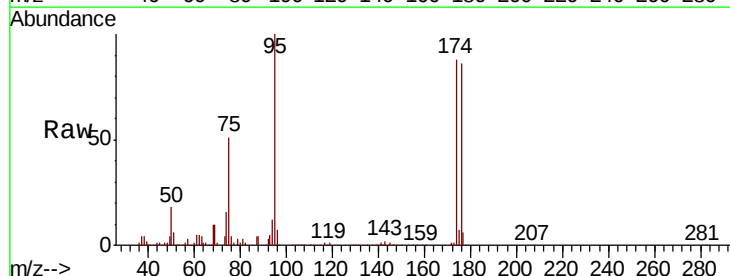
Instrument :
MSVOA_N
ClientSampleId :
PB113219ZHE#05

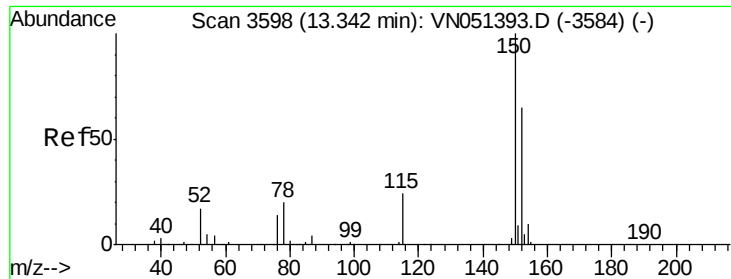
Tot Ion:117 Resp: 900169
Ion Ratio Lower Upper
117 100
82 54.5 44.2 66.2
119 32.9 25.9 38.9



#71
Bromoform
Concen: 0.562 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN051548.D
Acq: 26 Sep 2018 20:47

Tgt Ion:173 Resp: 3354
Ion Ratio Lower Upper
173 100
175 669.4 24.8 74.3#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051548.D

Acq: 26 Sep 2018 20:47

Instrument :

MSVOA_N

ClientSampleId :

PB113219ZHE#05

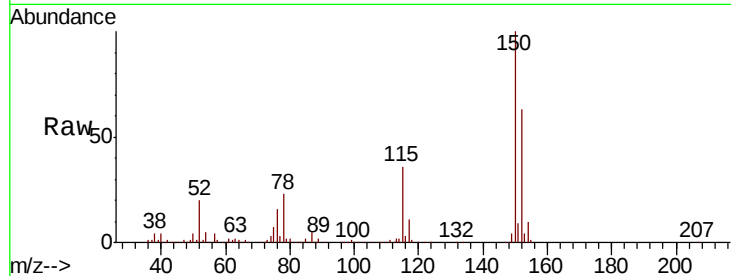
Tot Ion:152 Resp: 328318

Ion Ratio Lower Upper

152 100

115 57.1 28.3 84.9

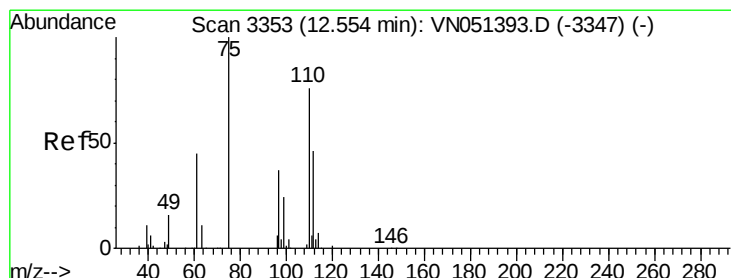
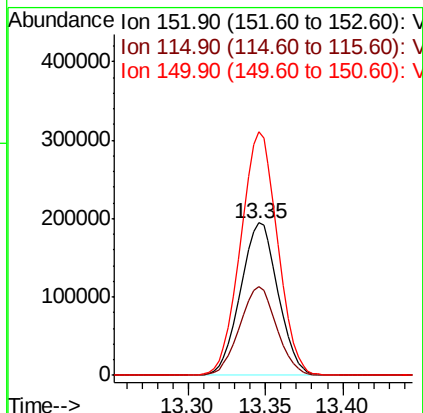
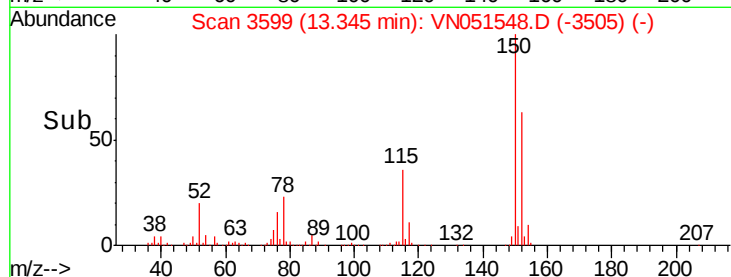
150 157.2 0.0 353.6



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: 37.295 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051548.D

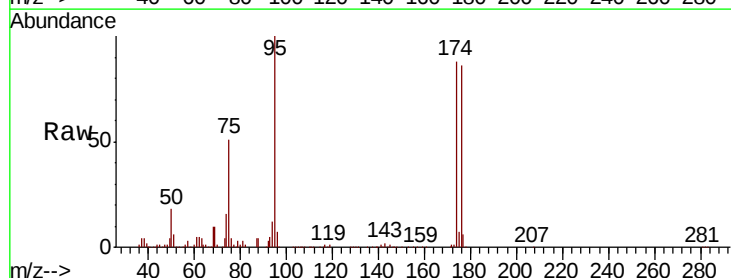
Acq: 26 Sep 2018 20:47

Tgt Ion: 75 Resp: 203269

Ion Ratio Lower Upper

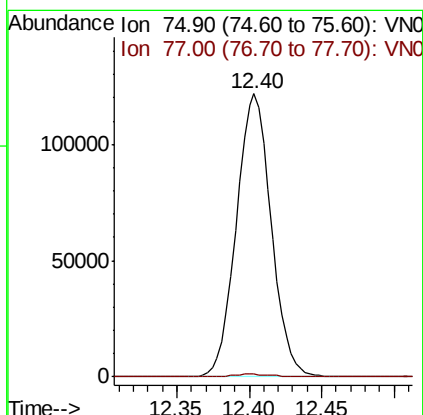
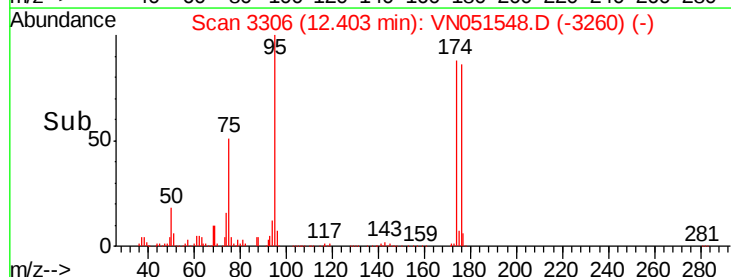
75 100

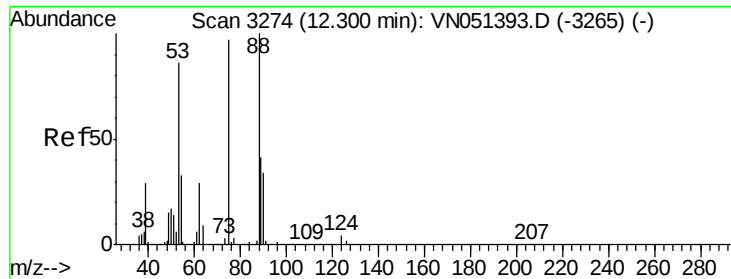
77 1.1 0.0 0.0#



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: 114.680 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051548.D

Acq: 26 Sep 2018 20:47

Instrument :

MSVOA_N

ClientSampleId :

PB113219ZHE#05

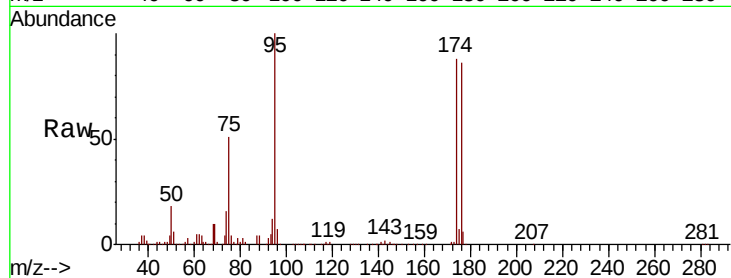
Tot Ion: 75 Resp: 203269

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

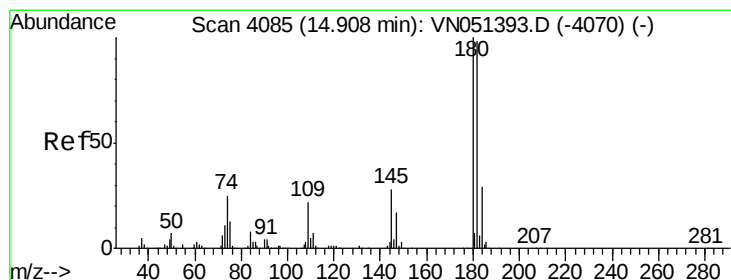
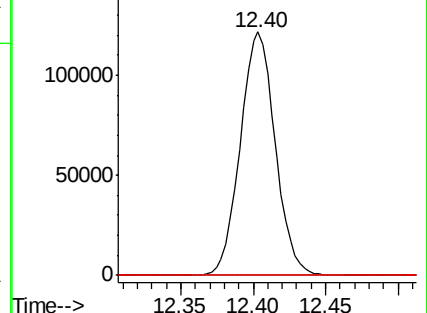
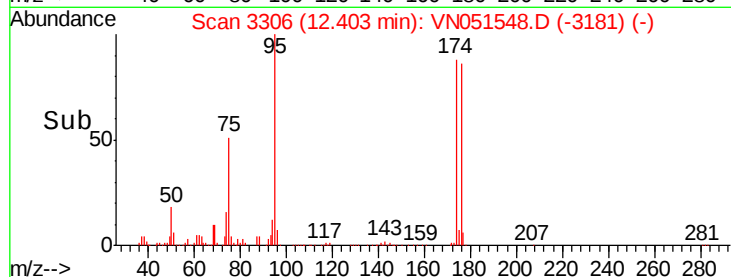
89 0.0 36.7 55.1#



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



#93

1,2,4-Trichlorobenzene

Concen: 5.986 ug/l

RT: 14.90 min Scan# 4083

Delta R.T. -0.01 min

Lab File: VN051548.D

Acq: 26 Sep 2018 20:47

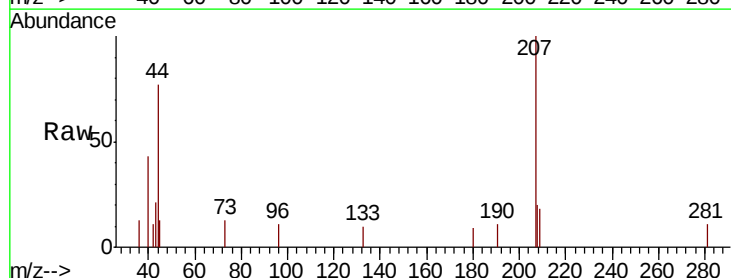
Tgt Ion: 180 Resp: 29

Ion Ratio Lower Upper

180 100

182 506.9 48.5 145.6#

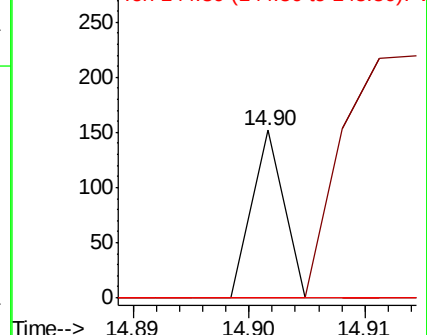
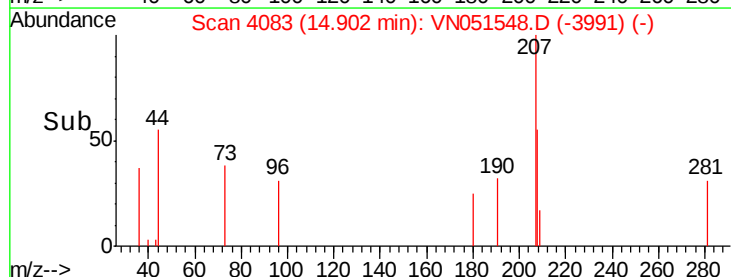
145 0.0 14.1 42.4#

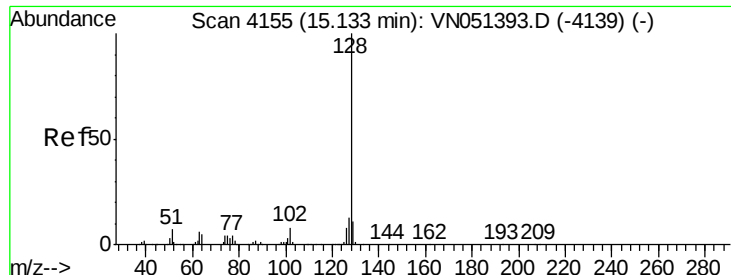


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 8.077 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN051548.D

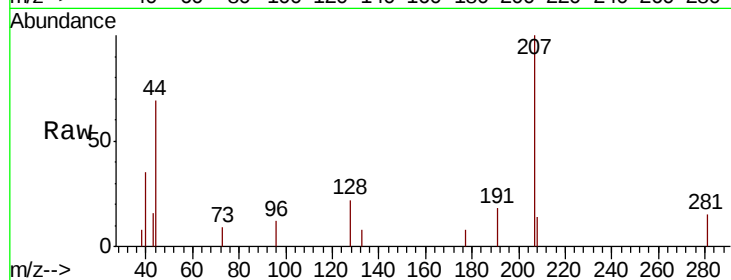
Acq: 26 Sep 2018 20:47

Instrument :

MSVOA_N

ClientSampleId :

PB113219ZHE#05



Tot Ion:128 Resp: 474

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 12.8#

