

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
 Data File : VN051430.D
 Acq On : 23 Sep 2018 22:57
 Operator : MD\SY
 Sample : PB113124ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113124ZHE#01

Quant Time: Sep 24 06:50:00 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	642894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	995662	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	829829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	290267	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	438975	54.51	ug/l	0.00
Spiked Amount			Recovery	=	109.02%	
35) Dibromofluoromethane	7.59	113	387701	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
50) Toluene-d8	10.09	98	1378103	45.97	ug/l	0.00
Spiked Amount			Recovery	=	91.94%	
62) 4-Bromofluorobenzene	12.40	95	370862	38.24	ug/l	0.00
Spiked Amount			Recovery	=	76.48%	

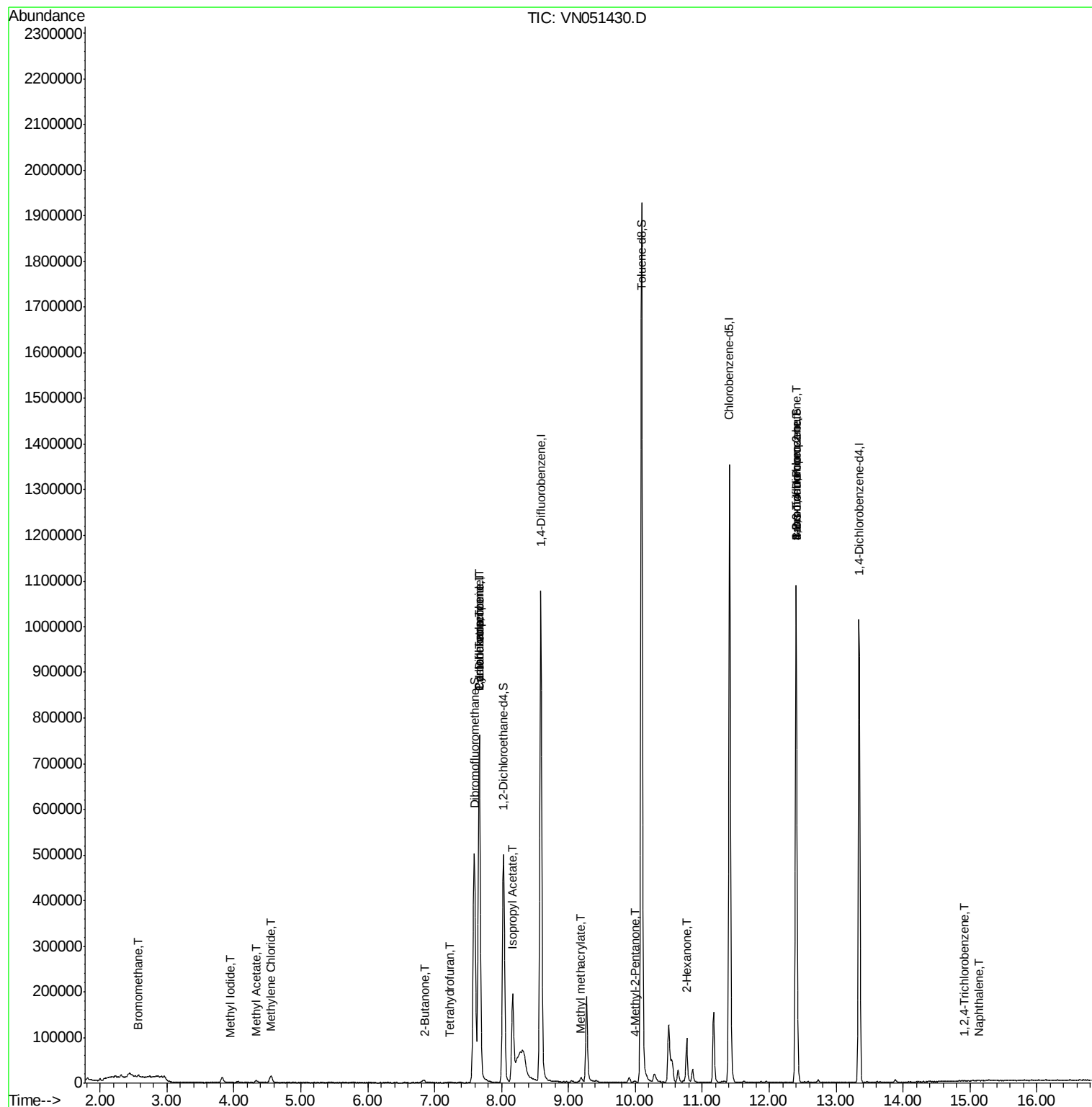
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	1813	0.346	ug/l	95
10) Methyl Iodide	3.95	142	147	0.291	ug/l #	42
16) Acetone	3.82	43	18763	Below Cal		97
18) Methyl Acetate	4.33	43	9289	1.514	ug/l #	83
20) Methylene Chloride	4.55	84	11664	1.464	ug/l #	86
25) 2-Butanone	6.85	43	4421	1.604	ug/l	92
29) Tetrahydrofuran	7.22	42	1130	0.647	ug/l #	49
31) Cyclohexane	7.67	56	11601	0.915	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	45699	3.964	ug/l #	48
38) Carbon Tetrachloride	7.67	117	58968	4.890	ug/l #	16
43) Isopropyl Acetate	8.17	43	248035	20.691	ug/l	95
48) Methyl methacrylate	9.18	41	6192	1.036	ug/l #	21
51) 4-Methyl-2-Pentanone	9.99	43	1793	0.272	ug/l	93
59) 2-Hexanone	10.77	43	13905	3.254	ug/l #	61
71) Bromoform	12.40	173	1681	0.305	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	184553	38.300	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	184553	117.770	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	698	6.091	ug/l #	79
95) Naphthalene	15.14	128	1925	8.194	ug/l #	69

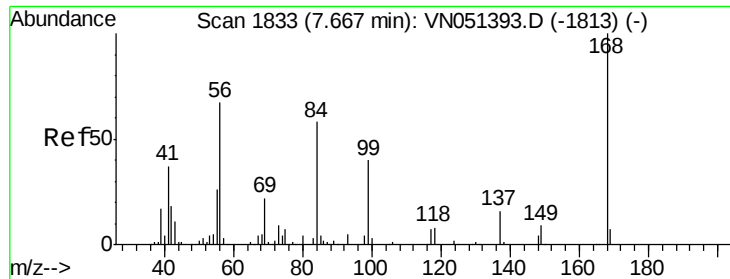
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051430.D

Acq: 23 Sep 2018 22:57

Instrument :

MSVOA_N

ClientSampleId :

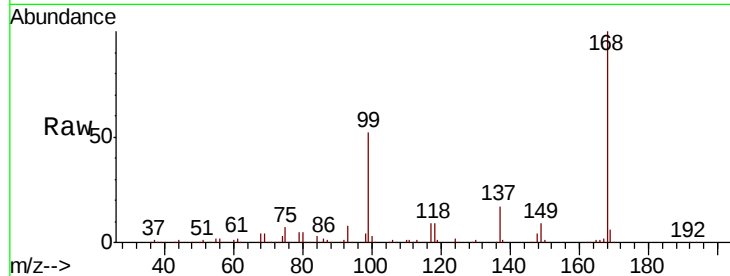
PB113124ZHE#01

Tgt Ion:168 Resp: 642894

Ion Ratio Lower Upper

168 100

99 52.2 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

250000

200000

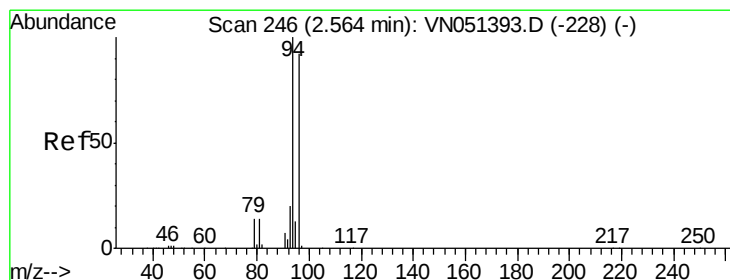
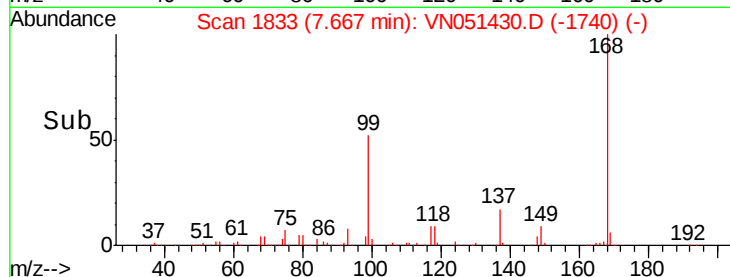
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.346 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051430.D

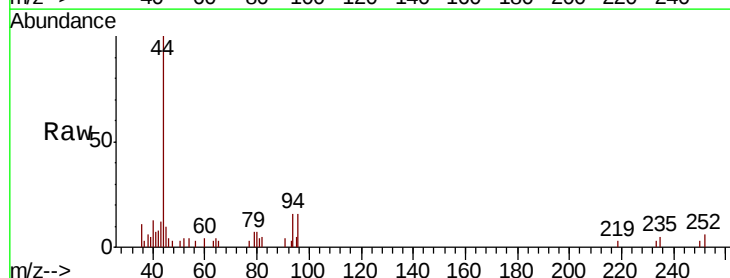
Acq: 23 Sep 2018 22:57

Tgt Ion: 94 Resp: 1813

Ion Ratio Lower Upper

94 100

96 97.0 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.57

1200

1000

800

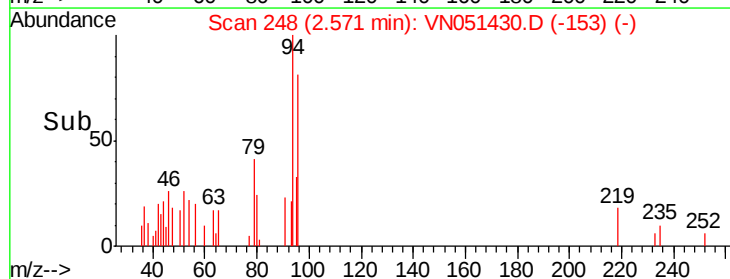
600

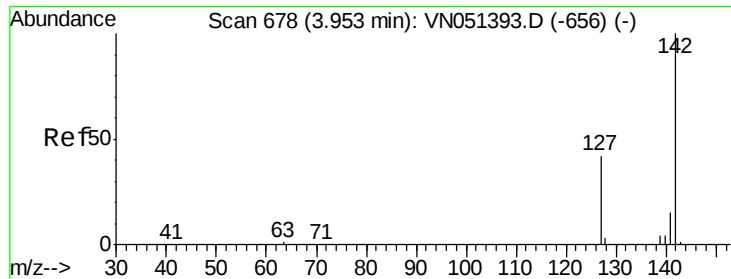
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200

0

Time-->

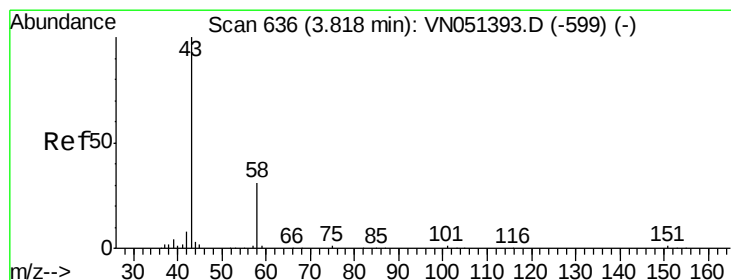
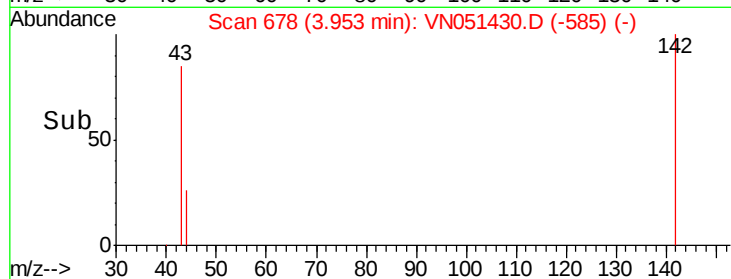
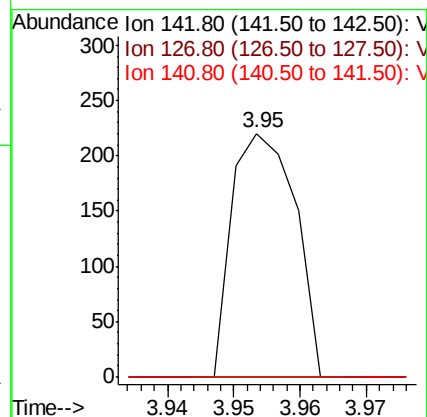
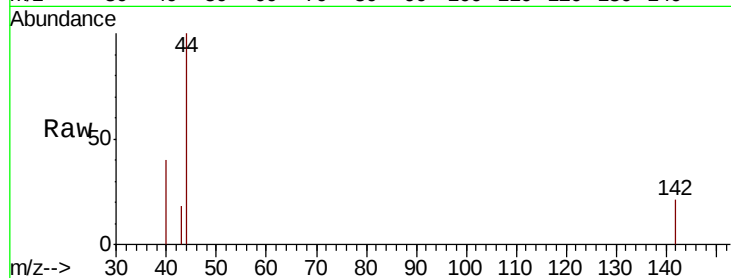




#10
Methyl Iodide
Concen: 0.291 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051430.D
Acq: 23 Sep 2018 22:57

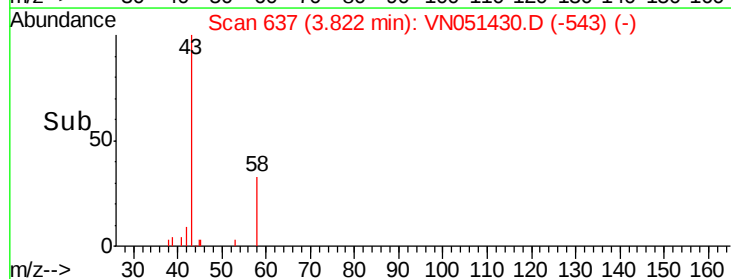
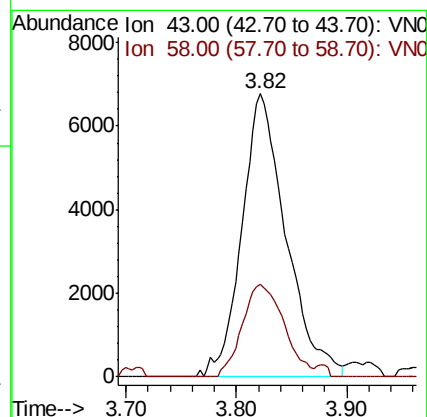
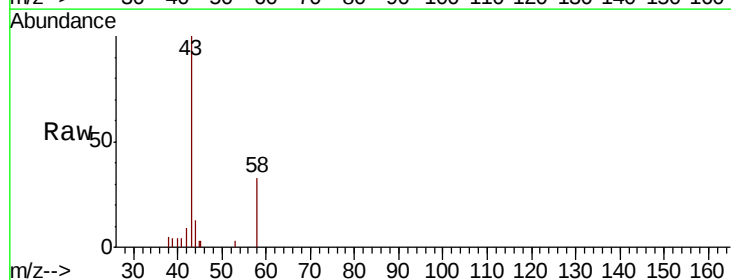
Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#01

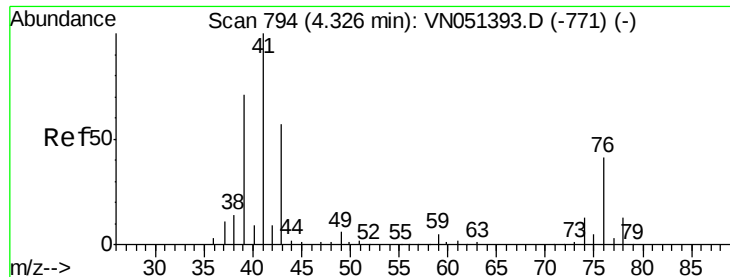
Tgt Ion: 142 Resp: 147
Ion Ratio Lower Upper
142 100
127 0.0 33.2 49.8#
141 0.0 11.5 17.3#



#16
Acetone
Concen: Below Cal
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN051430.D
Acq: 23 Sep 2018 22:57

Tgt Ion: 43 Resp: 18763
Ion Ratio Lower Upper
43 100
58 32.9 25.0 37.4

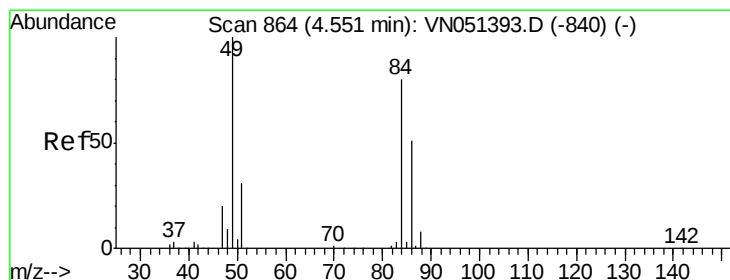
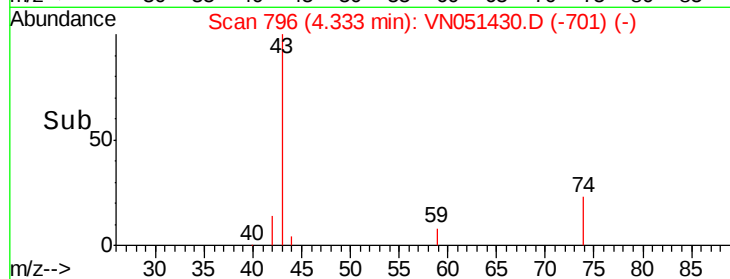
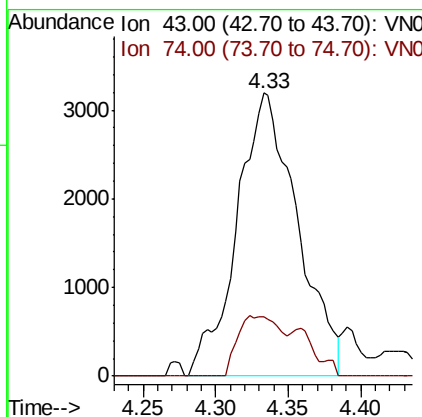
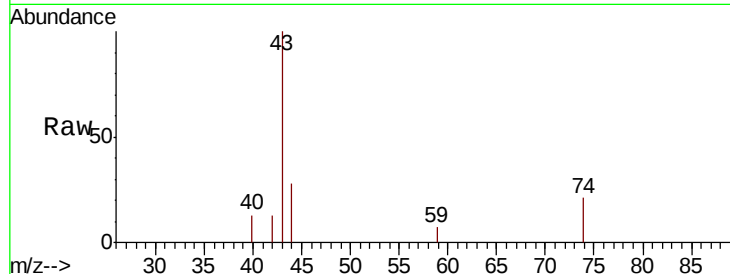




#18
Methyl Acetate
Concen: 1.514 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051430.D
Acq: 23 Sep 2018 22:57

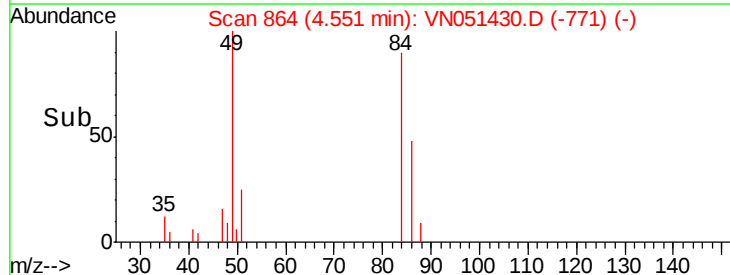
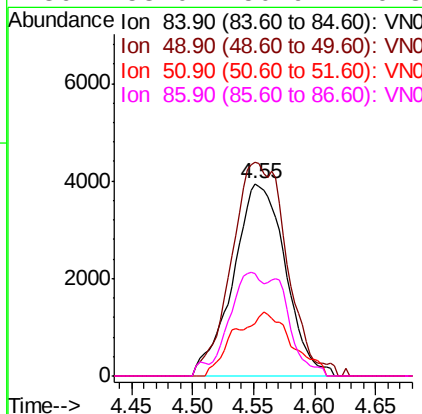
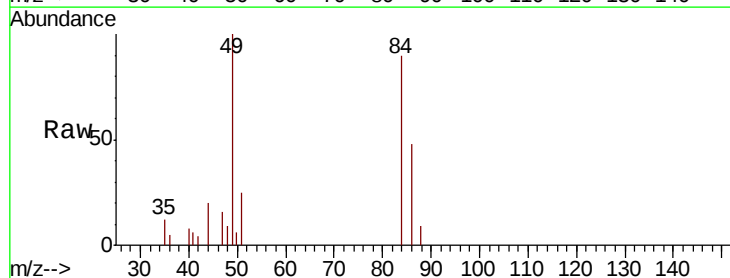
Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#01

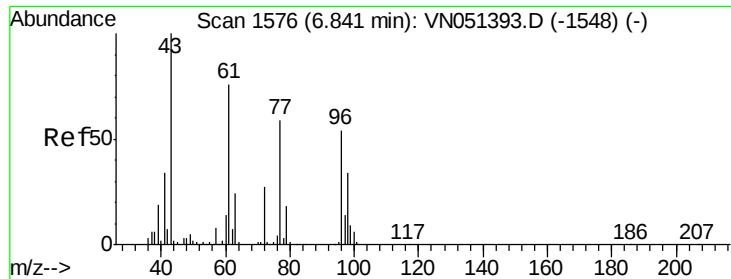
Tgt Ion: 43 Resp: 9289
Ion Ratio Lower Upper
43 100
74 15.0 18.8 28.2#



#20
Methylene Chloride
Concen: 1.464 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051430.D
Acq: 23 Sep 2018 22:57

Tgt Ion: 84 Resp: 11664
Ion Ratio Lower Upper
84 100
49 111.1 99.9 149.9
51 27.5 31.4 47.2#
86 53.0 50.9 76.3

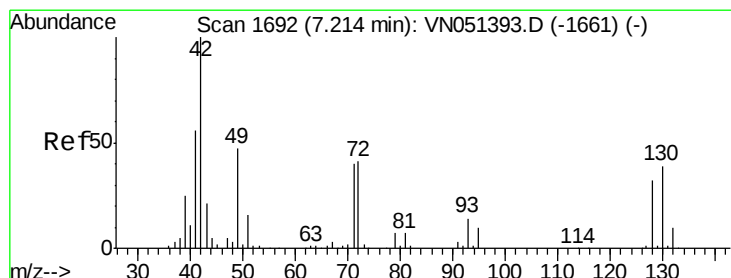
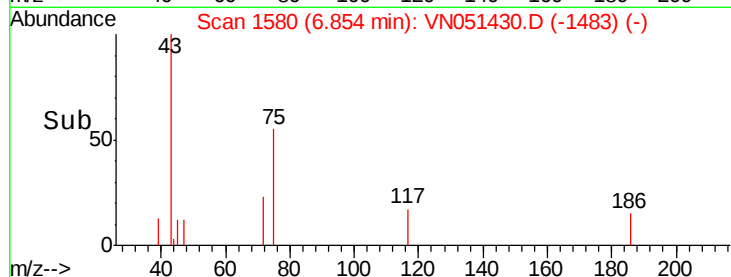
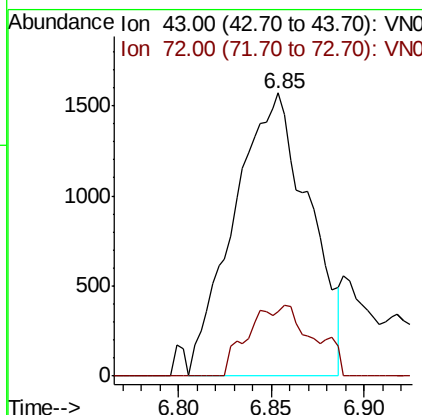
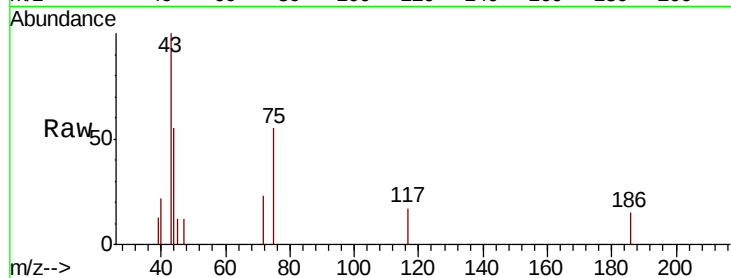




#25
 2-Butanone
 Concen: 1.604 ug/l
 RT: 6.85 min Scan# 1580
 Delta R.T. 0.01 min
 Lab File: VN051430.D
 Acq: 23 Sep 2018 22:57

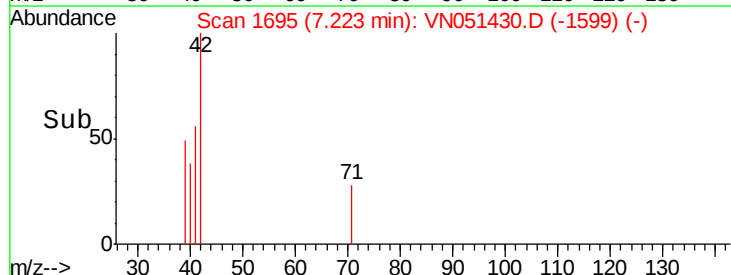
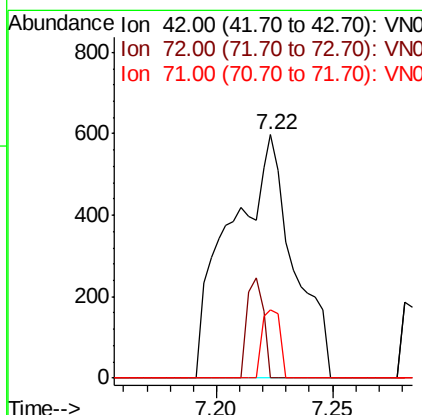
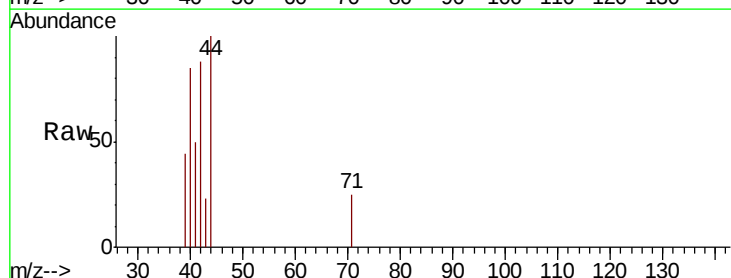
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113124ZHE#01

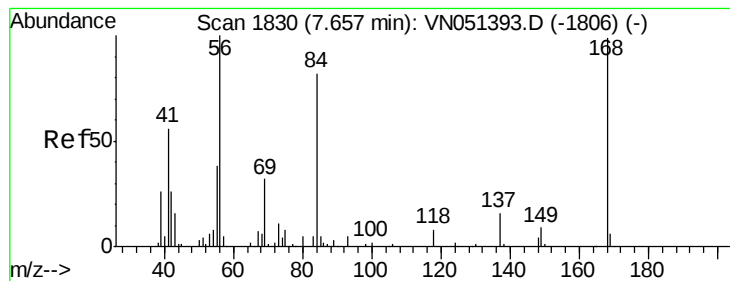
Tgt Ion: 43 Resp: 4421
 Ion Ratio Lower Upper
 43 100
 72 22.9 21.8 32.6



#29
 Tetrahydrofuran
 Concen: 0.647 ug/l
 RT: 7.22 min Scan# 1695
 Delta R.T. 0.01 min
 Lab File: VN051430.D
 Acq: 23 Sep 2018 22:57

Tgt Ion: 42 Resp: 1130
 Ion Ratio Lower Upper
 42 100
 72 10.6 34.3 51.5#
 71 8.1 32.2 48.4#





#31

Cyclohexane

Concen: 0.915 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051430.D

Acq: 23 Sep 2018 22:57

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#01

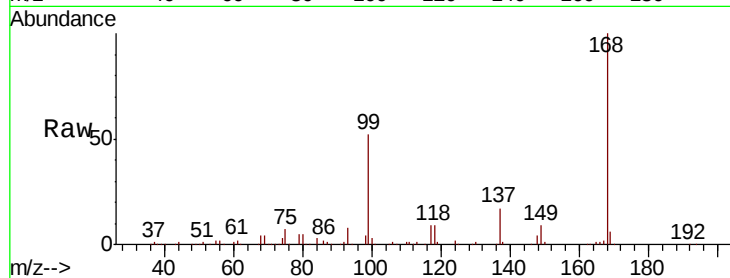
Tgt Ion: 56 Resp: 11601

Ion Ratio Lower Upper

56 100

69 196.6 25.8 38.6#

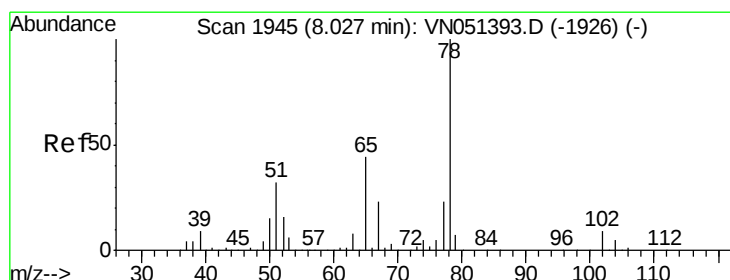
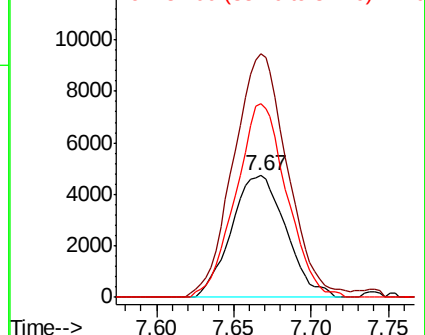
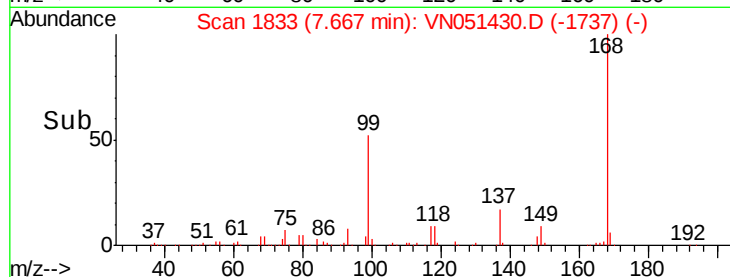
84 159.3 66.0 99.0#



Abundance Ion 56.00 (55.70 to 56.70): VN051430.D (-1737) (-)

Ion 69.00 (68.70 to 69.70): VN051430.D (-1737) (-)

Ion 84.00 (83.70 to 84.70): VN051430.D (-1737) (-)



#33

1,2-Dichloroethane-d4

Concen: 54.508 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN051430.D

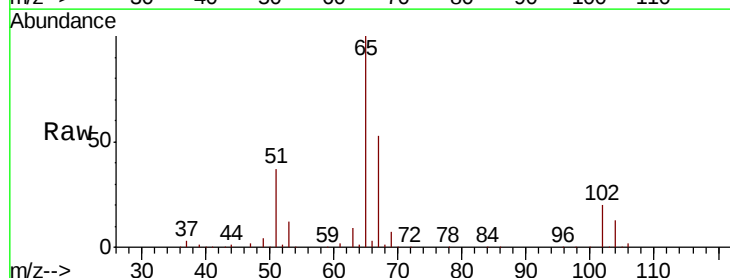
Acq: 23 Sep 2018 22:57

Tgt Ion: 65 Resp: 438975

Ion Ratio Lower Upper

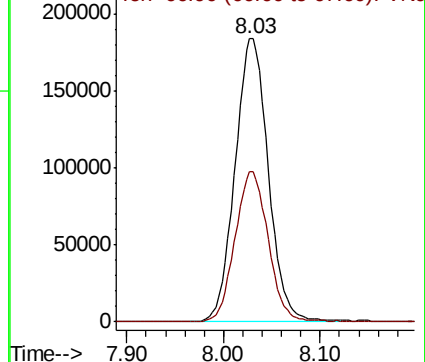
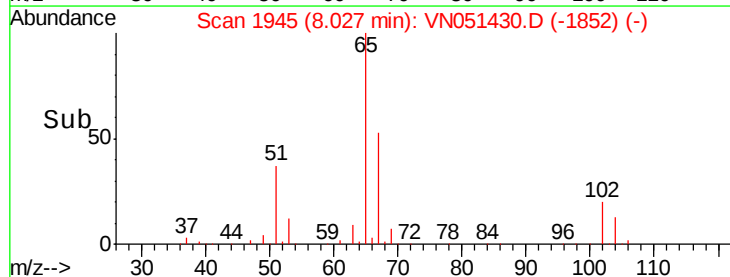
65 100

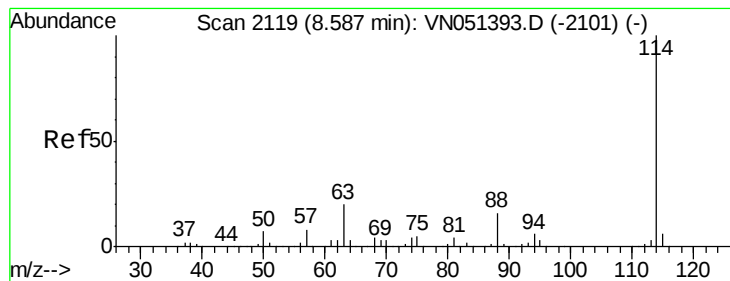
67 52.9 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VN051430.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN051430.D (-1852) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051430.D

Acq: 23 Sep 2018 22:57

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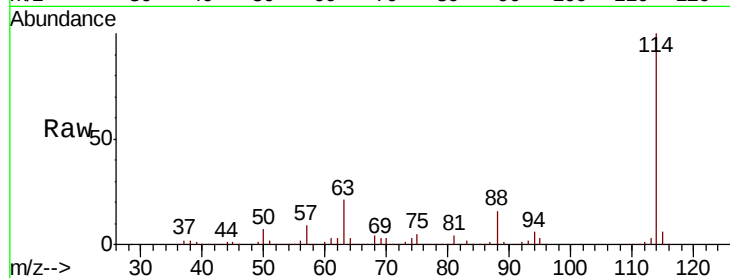
Tgt Ion:114 Resp: 995662

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.2

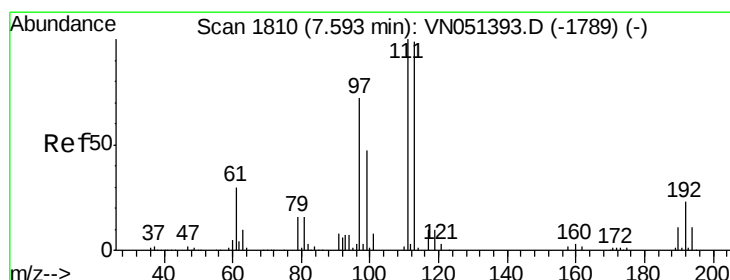
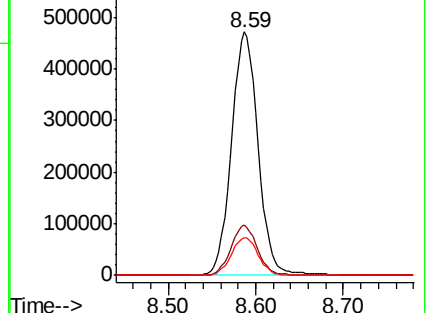
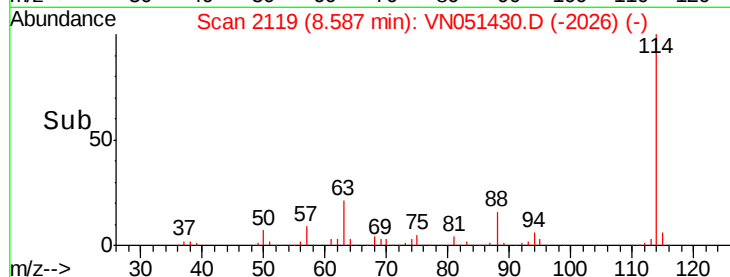
88 15.6 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 48.695 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN051430.D

Acq: 23 Sep 2018 22:57

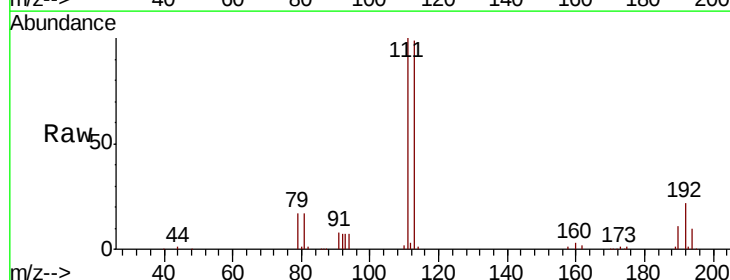
Tgt Ion:113 Resp: 387701

Ion Ratio Lower Upper

113 100

111 102.3 82.6 123.8

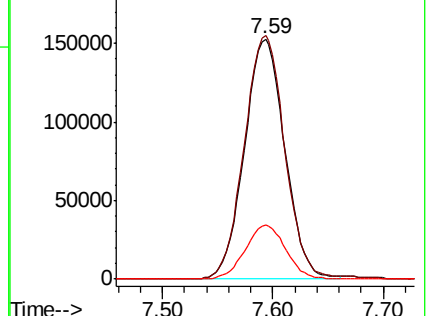
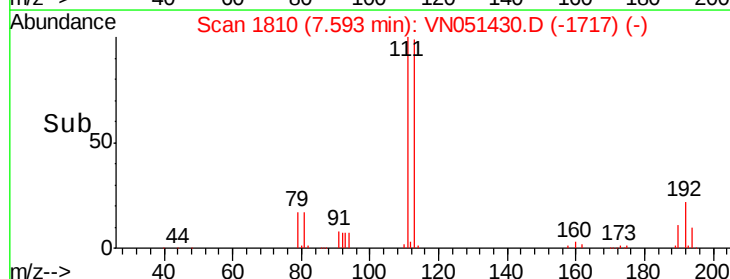
192 22.5 18.0 27.0

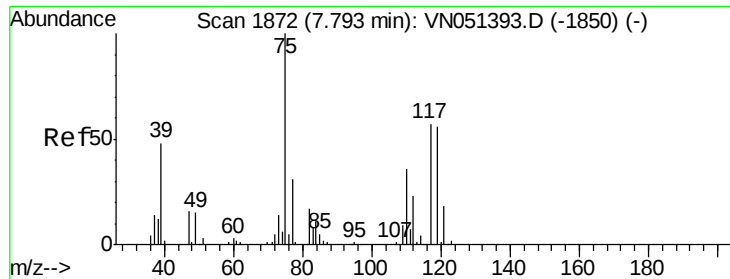


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.964 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN051430.D

Acq: 23 Sep 2018 22:57

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#01

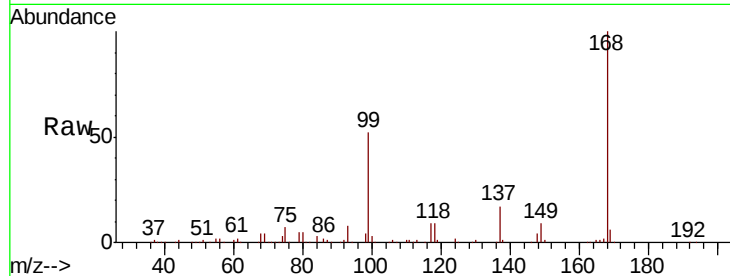
Tgt Ion: 75 Resp: 45699

Ion Ratio Lower Upper

75 100

110 8.8 18.1 54.3#

77 0.0 25.6 38.4#

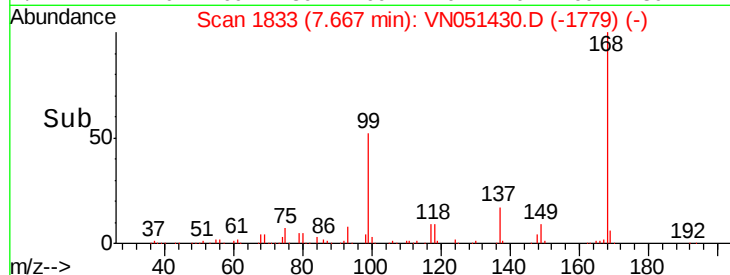


Abundance Ion 74.90 (74.60 to 75.60): VN051393.D (-1850) (-)

Ion 109.90 (109.60 to 110.60): VN051393.D (-1850) (-)

Ion 76.90 (76.60 to 77.60): VN051393.D (-1850) (-)

Time-->

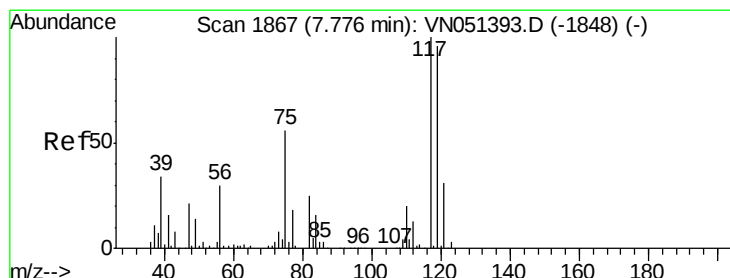


Abundance Ion 74.90 (74.60 to 75.60): VN051430.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN051430.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN051430.D (-1779) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.890 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051430.D

Acq: 23 Sep 2018 22:57

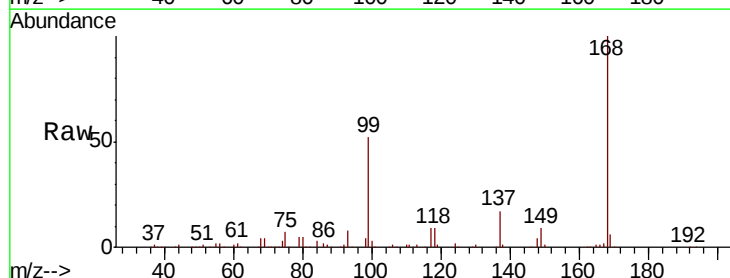
Tgt Ion: 117 Resp: 58968

Ion Ratio Lower Upper

117 100

119 5.7 76.9 115.3#

121 0.0 24.6 37.0#

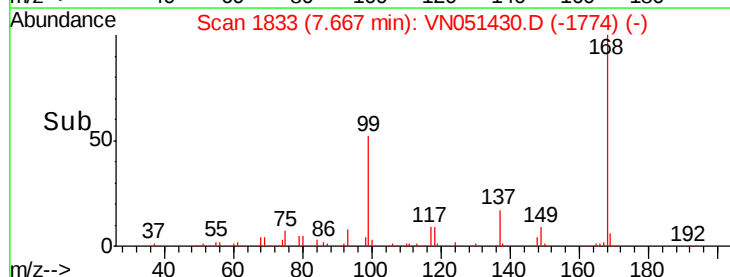


Abundance Ion 116.80 (116.50 to 117.50): VN051393.D (-1848) (-)

Ion 118.80 (118.50 to 119.50): VN051393.D (-1848) (-)

Ion 120.80 (120.50 to 121.50): VN051393.D (-1848) (-)

Time-->

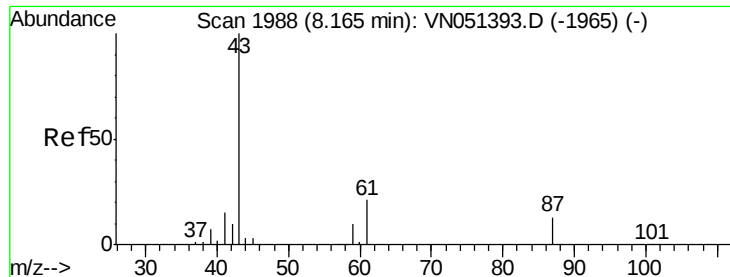


Abundance Ion 116.80 (116.50 to 117.50): VN051430.D (-1774) (-)

Ion 118.80 (118.50 to 119.50): VN051430.D (-1774) (-)

Ion 120.80 (120.50 to 121.50): VN051430.D (-1774) (-)

Time-->



#43

Isopropyl Acetate

Concen: 20.691 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051430.D

Acq: 23 Sep 2018 22:57

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#01

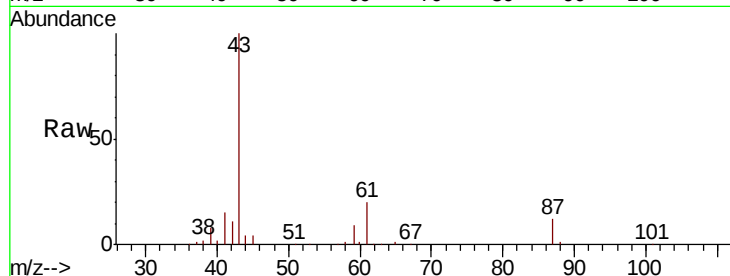
Tgt Ion: 43 Resp: 248035

Ion Ratio Lower Upper

43 100

61 18.5 16.8 25.2

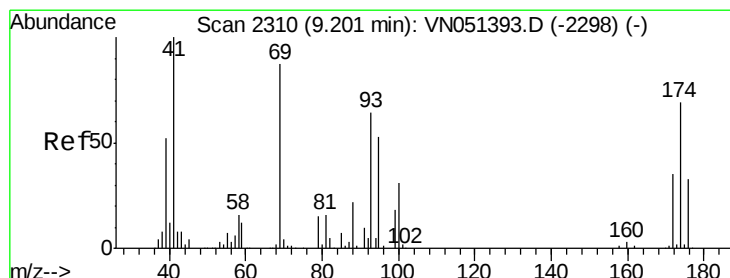
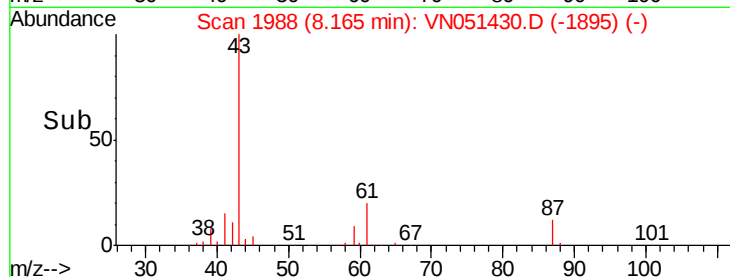
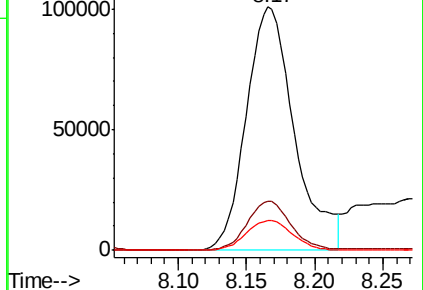
87 12.0 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 1.036 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.02 min

Lab File: VN051430.D

Acq: 23 Sep 2018 22:57

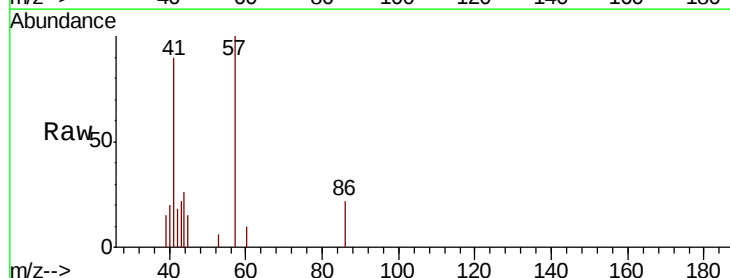
Tgt Ion: 41 Resp: 6192

Ion Ratio Lower Upper

41 100

69 0.0 70.4 105.6#

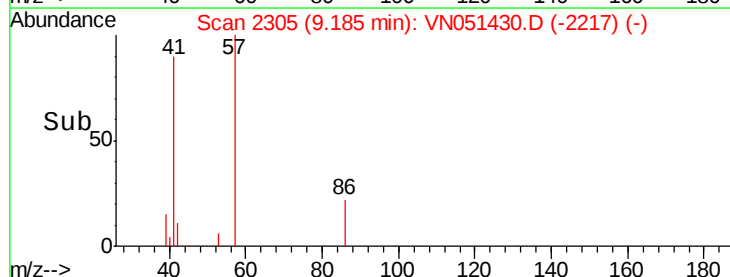
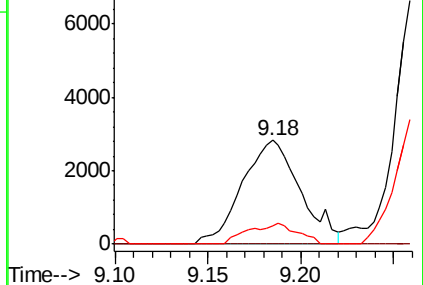
39 16.6 43.8 65.8#

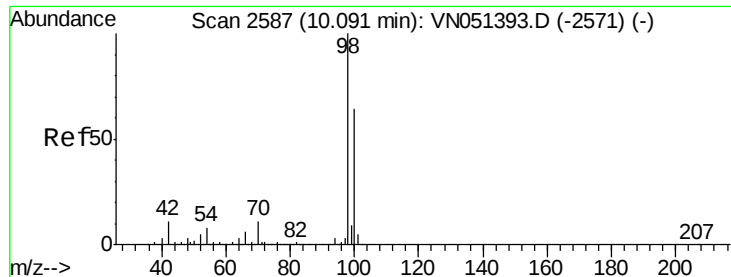


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 45.965 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051430.D

Acq: 23 Sep 2018 22:57

Instrument :

MSVOA_N

ClientSampleId :

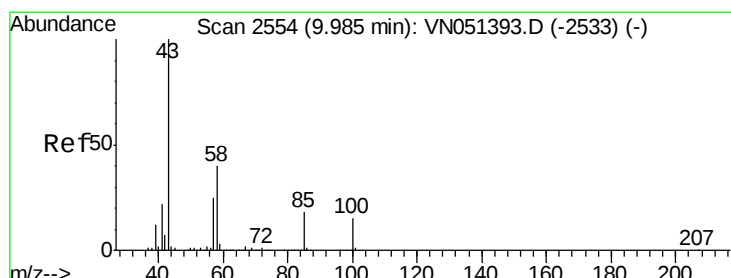
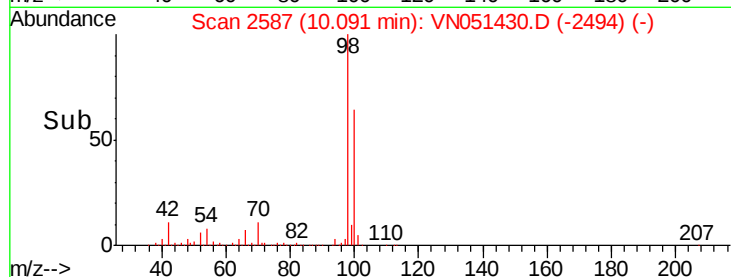
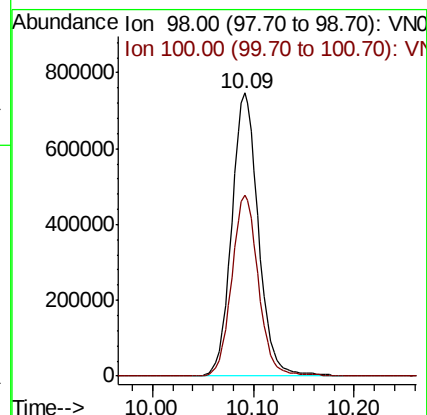
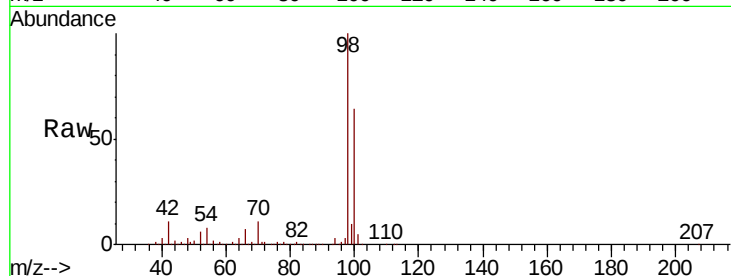
PB113124ZHE#01

Tgt Ion: 98 Resp: 1378103

Ion Ratio Lower Upper

98 100

100 64.1 50.6 75.8



#51

4-Methyl-2-Pentanone

Concen: 0.272 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051430.D

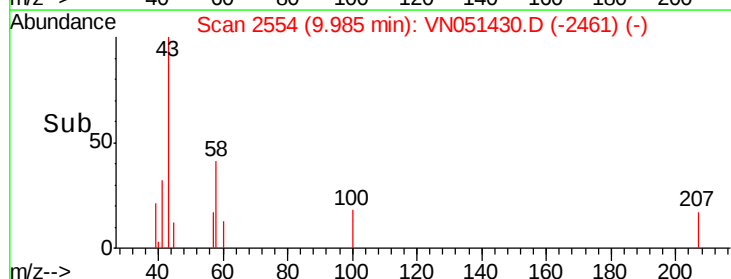
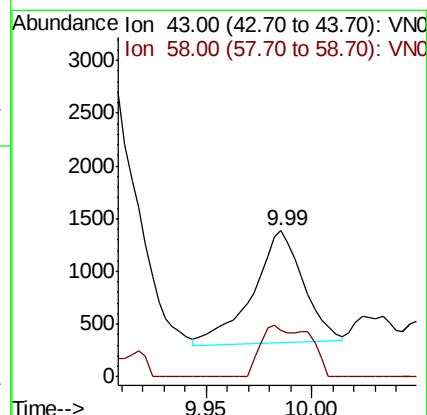
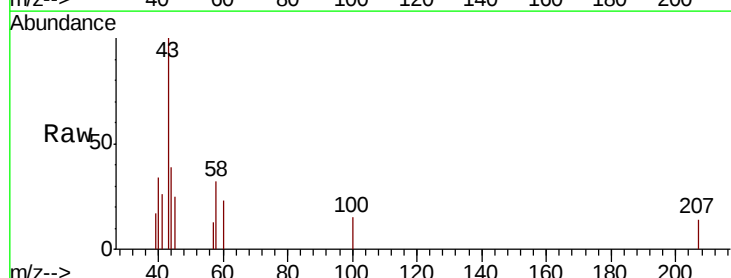
Acq: 23 Sep 2018 22:57

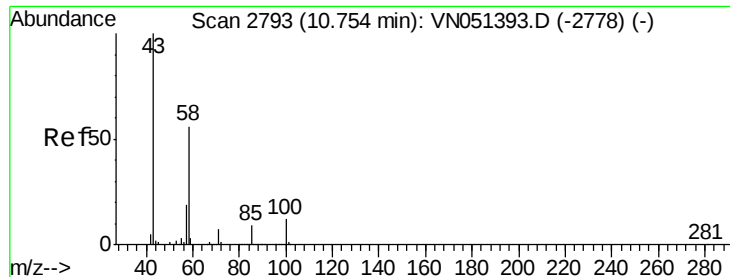
Tgt Ion: 43 Resp: 1793

Ion Ratio Lower Upper

43 100

58 43.7 31.5 47.3

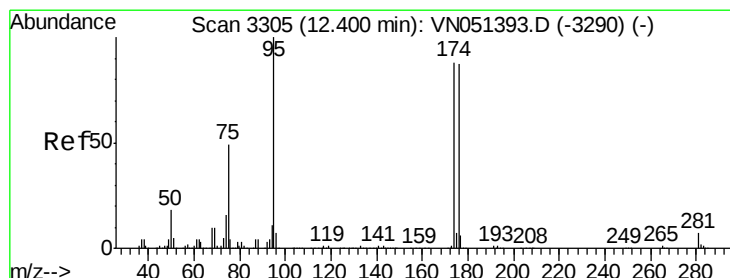
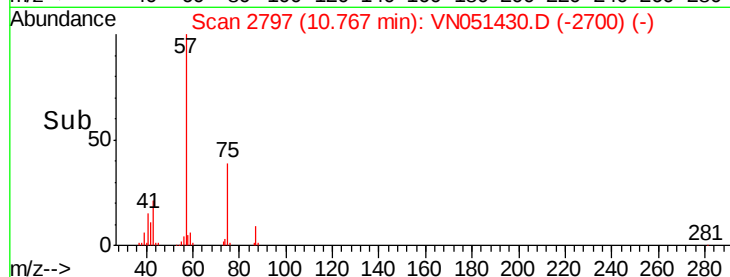
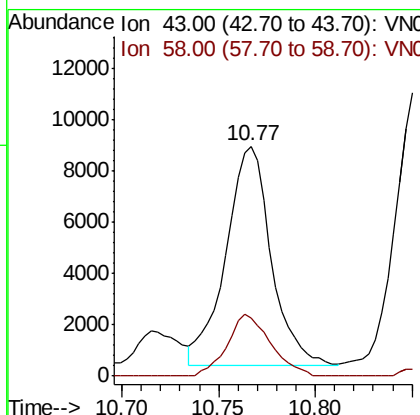
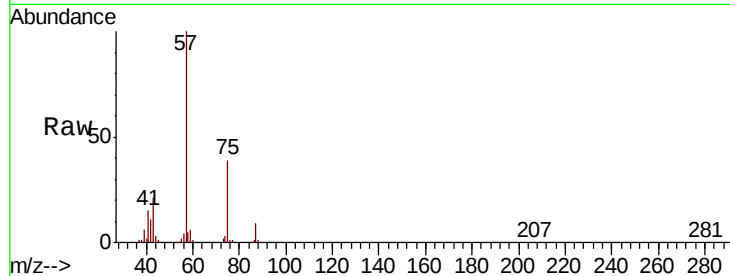




#59
2-Hexanone
Concen: 3.254 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN051430.D
Acq: 23 Sep 2018 22:57

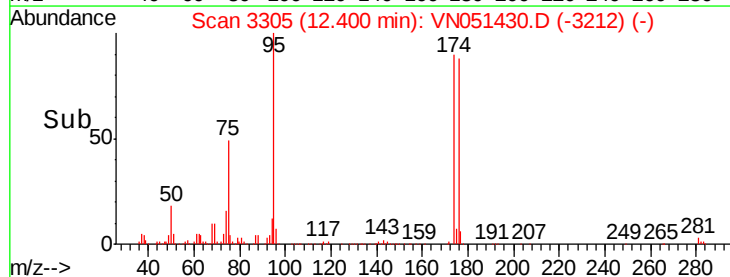
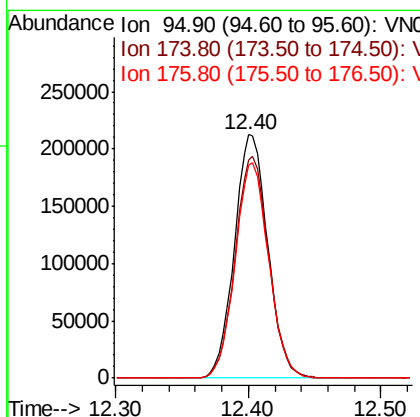
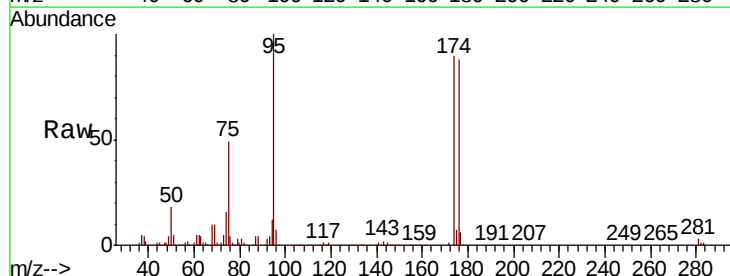
Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#01

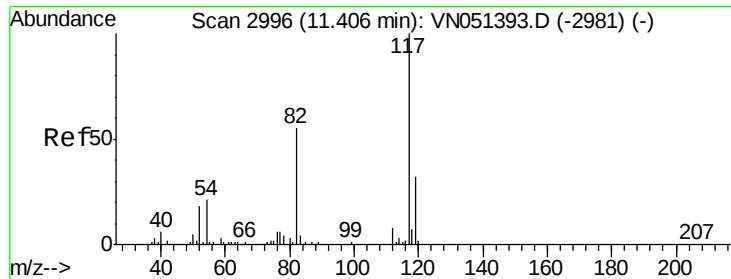
Tgt Ion: 43 Resp: 13905
Ion Ratio Lower Upper
43 100
58 26.9 27.7 83.0#



#62
4-Bromofluorobenzene
Concen: 38.237 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051430.D
Acq: 23 Sep 2018 22:57

Tgt Ion: 95 Resp: 370862
Ion Ratio Lower Upper
95 100
174 91.7 0.0 181.6
176 88.8 0.0 176.4

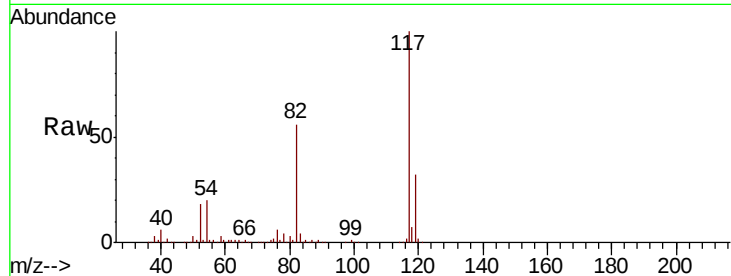




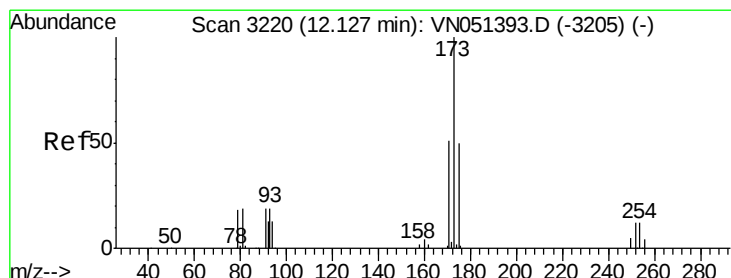
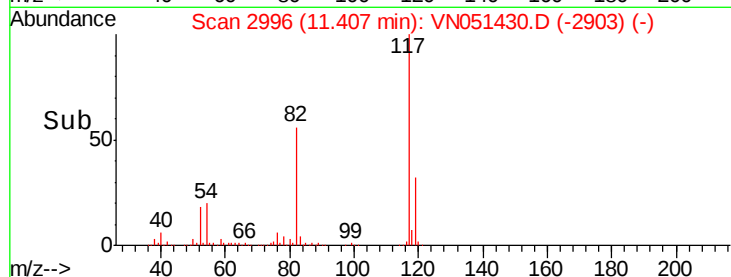
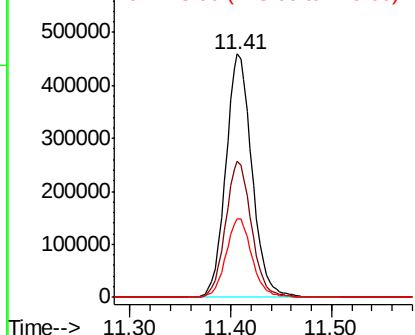
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051430.D
Acq: 23 Sep 2018 22:57

Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#01

Tgt Ion:117 Resp: 829829
Ion Ratio Lower Upper
117 100
82 55.8 44.2 66.2
119 32.5 25.9 38.9

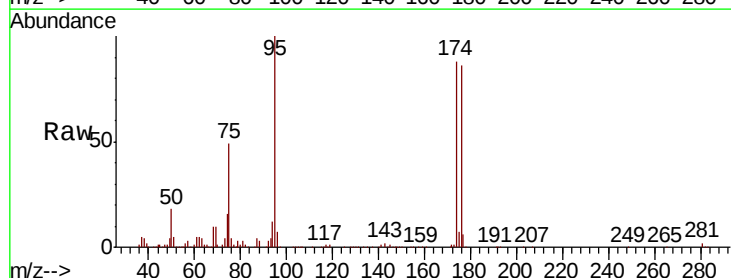


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

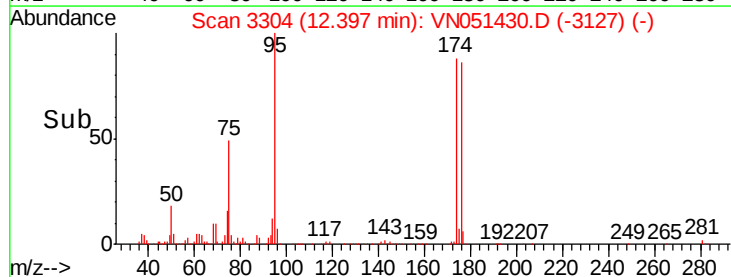
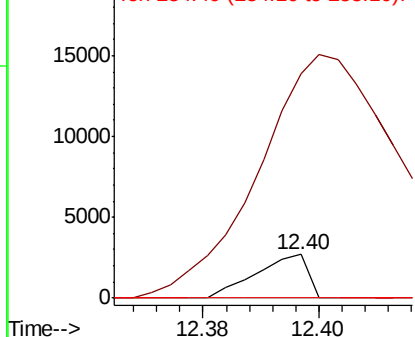


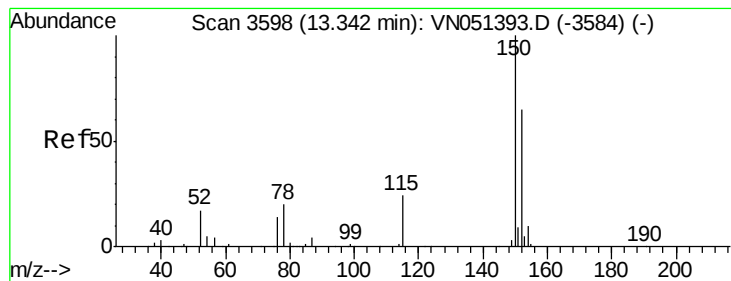
#71
Bromoform
Concen: 0.305 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN051430.D
Acq: 23 Sep 2018 22:57

Tgt Ion:173 Resp: 1681
Ion Ratio Lower Upper
173 100
175 1299.7 24.8 74.3#
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051430.D

Acq: 23 Sep 2018 22:57

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#01

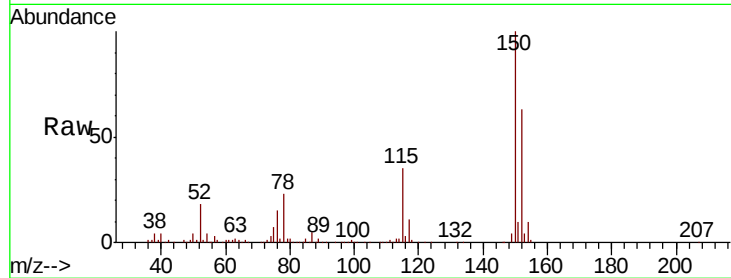
Tgt Ion:152 Resp: 290267

Ion Ratio Lower Upper

152 100

115 56.9 28.3 84.9

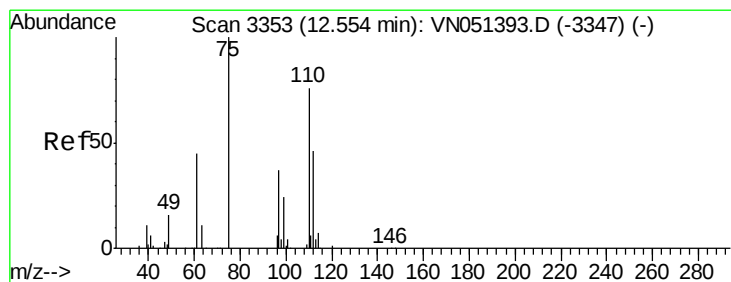
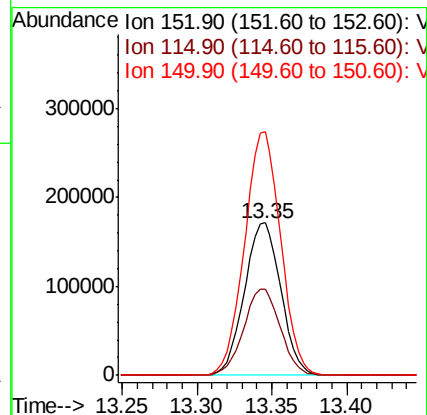
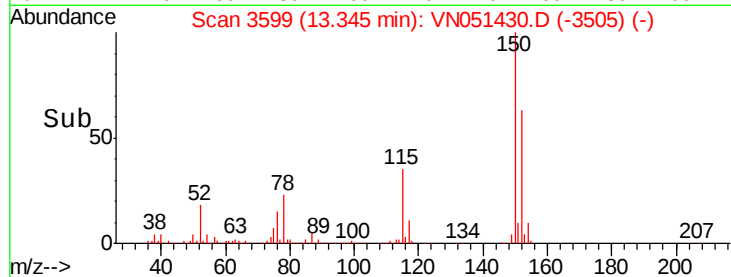
150 158.4 0.0 353.6



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: 38.300 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051430.D

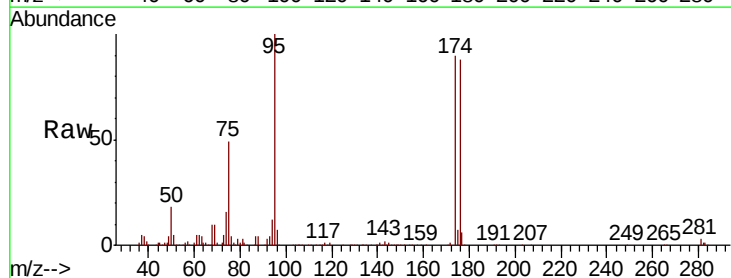
Acq: 23 Sep 2018 22:57

Tgt Ion: 75 Resp: 184553

Ion Ratio Lower Upper

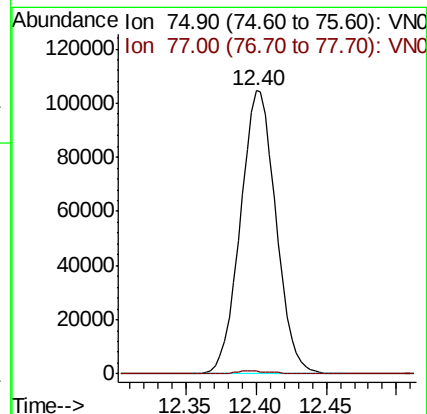
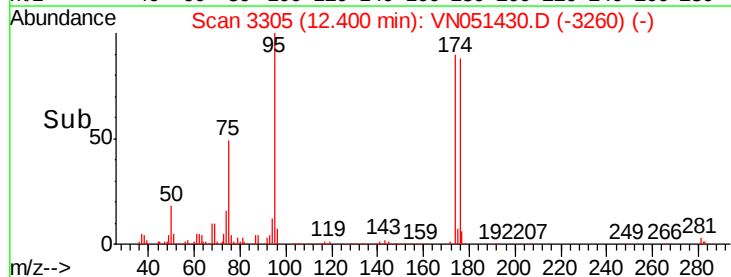
75 100

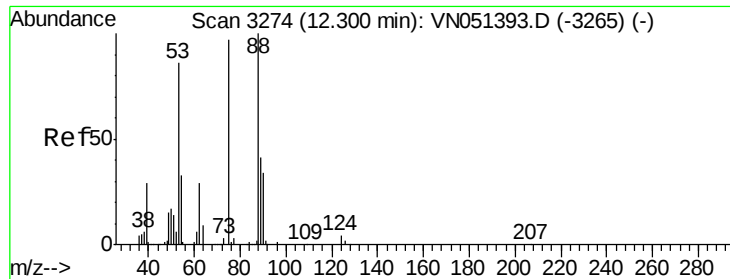
77 1.3 0.0 0.0#



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: 117.770 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051430.D

Acq: 23 Sep 2018 22:57

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#01

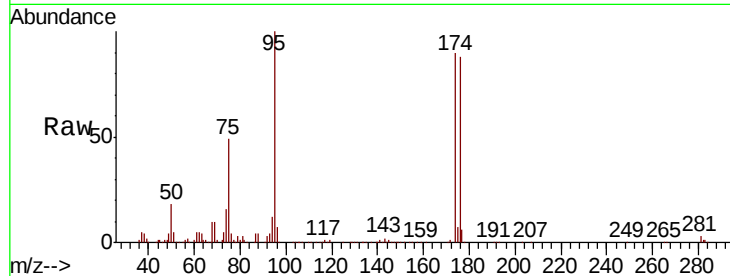
Tgt Ion: 75 Resp: 184553

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

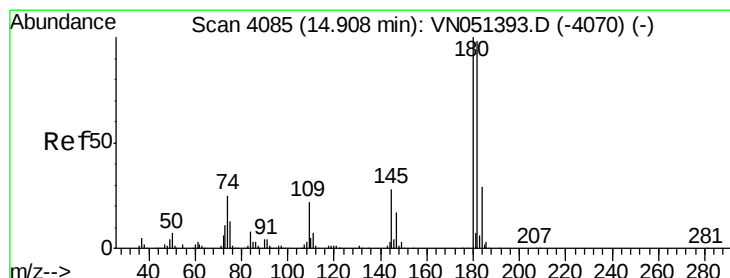
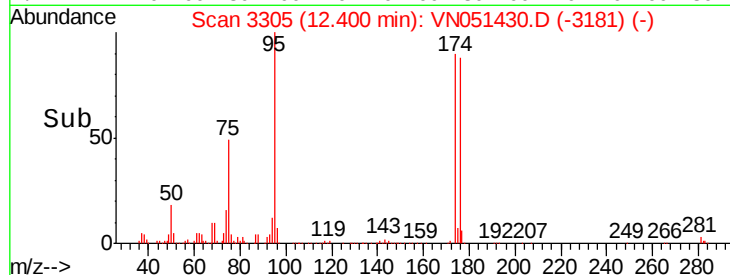
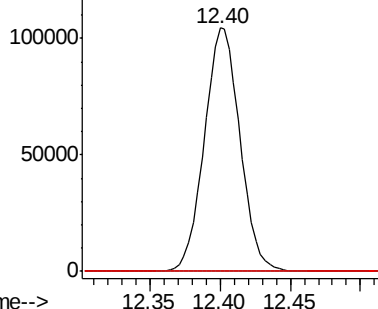
89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VN051430.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN051430.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN051430.D (-3181) (-)



#93

1,2,4-Trichlorobenzene

Concen: 6.091 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN051430.D

Acq: 23 Sep 2018 22:57

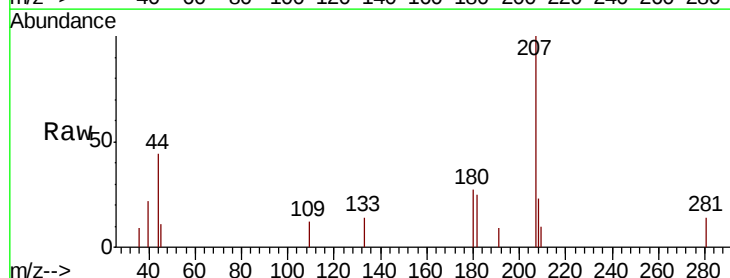
Tgt Ion: 180 Resp: 698

Ion Ratio Lower Upper

180 100

182 83.7 48.5 145.6

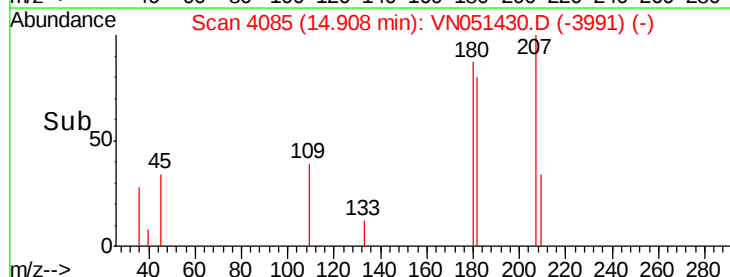
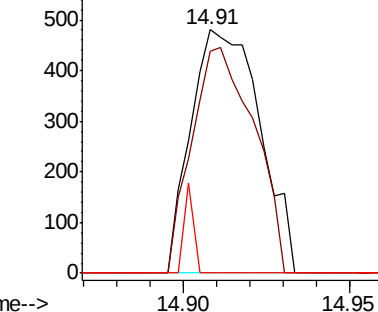
145 4.9 14.1 42.4#

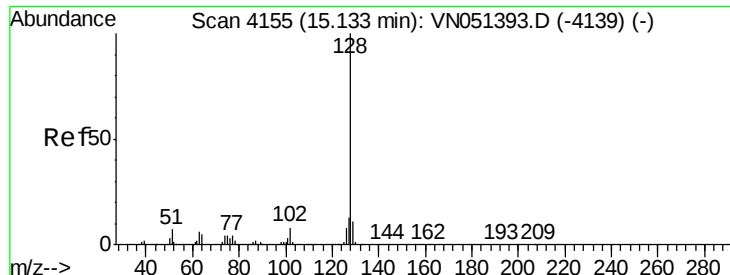


Abundance Ion 179.80 (179.50 to 180.50): VN051430.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN051430.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN051430.D (-3991) (-)





#95

Naphthalene

Concen: 8.194 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051430.D

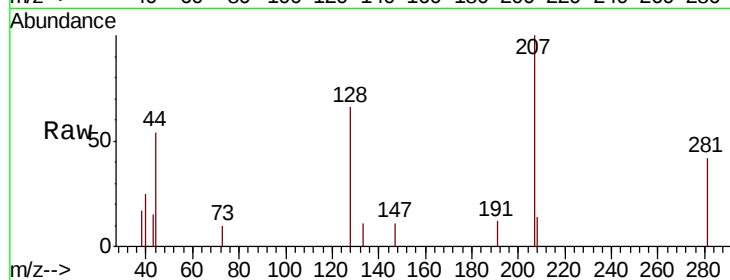
Acq: 23 Sep 2018 22:57

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#01



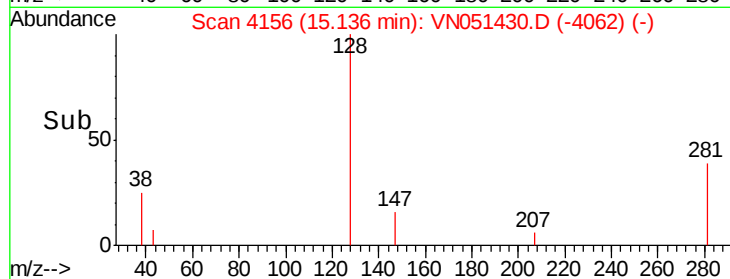
Tgt Ion:128 Resp: 1925

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 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

