

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
 Data File : VN051444.D
 Acq On : 24 Sep 2018 4:41
 Operator : MD\SY
 Sample : PB113124ZHE#15
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113124ZHE#15

Quant Time: Sep 24 06:52:24 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	613037	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	965610	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	804460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	285519	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	423179	55.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.22%	
35) Dibromofluoromethane	7.59	113	368864	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
50) Toluene-d8	10.09	98	1334482	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	
62) 4-Bromofluorobenzene	12.40	95	354089	37.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.28%	

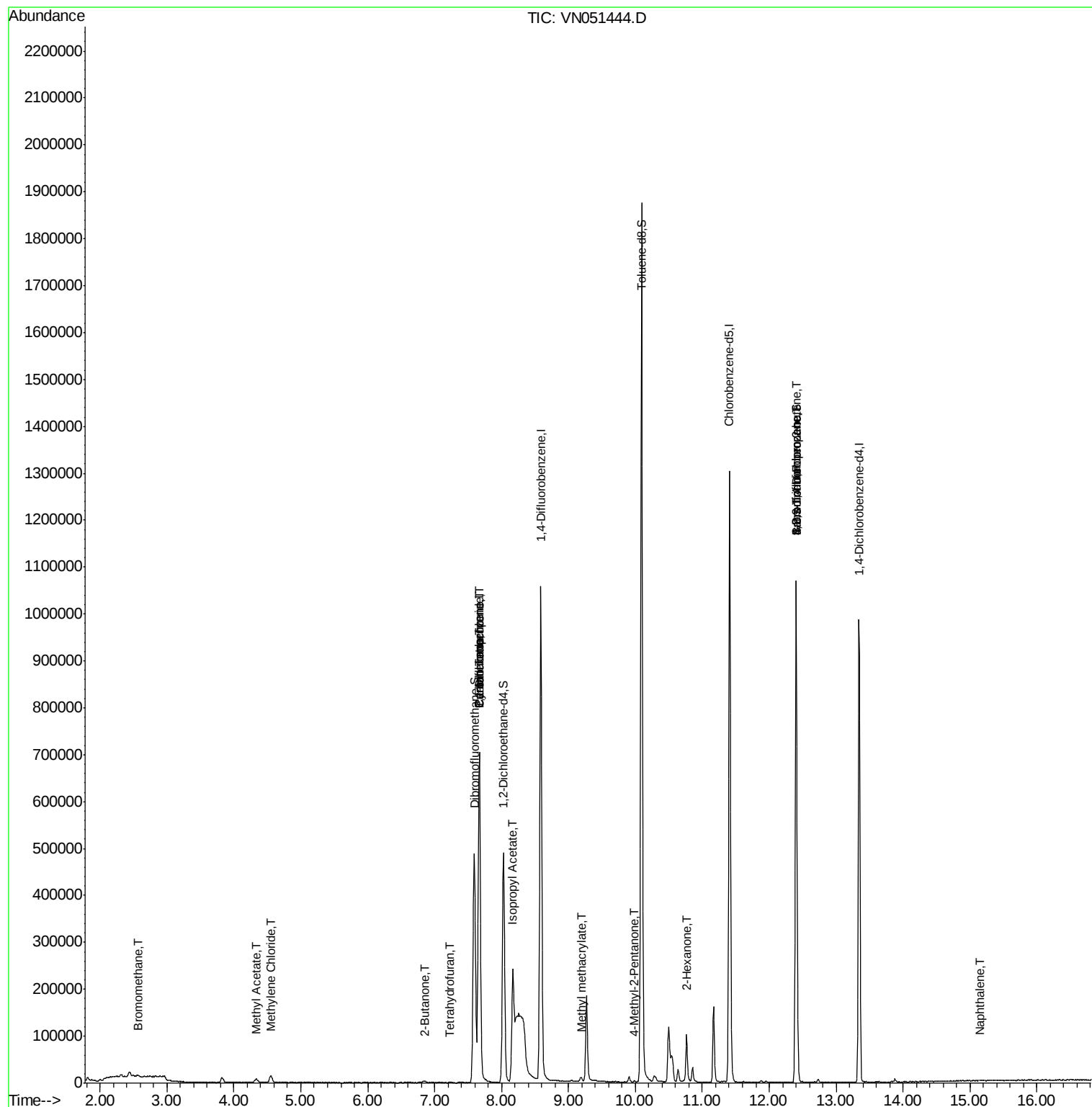
Target Compounds					Qvalue	
5) Bromomethane	2.57	94	1355	0.284	ug/l #	69
16) Acetone	3.82	43	17175	Below	Cal	99
18) Methyl Acetate	4.32	43	6651	1.137	ug/l #	57
20) Methylene Chloride	4.55	84	10336	1.360	ug/l	98
25) 2-Butanone	6.85	43	4681	1.781	ug/l	100
29) Tetrahydrofuran	7.22	42	588	0.353	ug/l #	47
31) Cyclohexane	7.66	56	10771	0.891	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	43744	3.912	ug/l #	48
38) Carbon Tetrachloride	7.67	117	54641	4.672	ug/l #	16
43) Isopropyl Acetate	8.17	43	295227	25.394	ug/l #	90
48) Methyl methacrylate	9.18	41	5934	1.024	ug/l #	18
51) 4-Methyl-2-Pentanone	9.98	43	2116	0.331	ug/l #	74
59) 2-Hexanone	10.76	43	15326	3.698	ug/l #	60
71) Bromoform	12.40	173	2152	0.403	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	180532	38.088	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	180532	117.120	ug/l #	12
95) Naphthalene	15.14	128	124	8.054	ug/l #	69

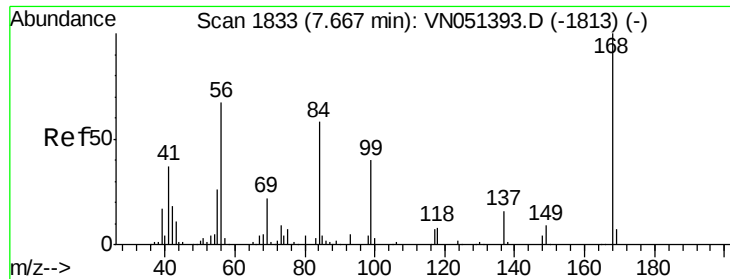
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Sep 24 06:41:32 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051444.D

Acq: 24 Sep 2018 4:41

Instrument :

MSVOA_N

ClientSampleId :

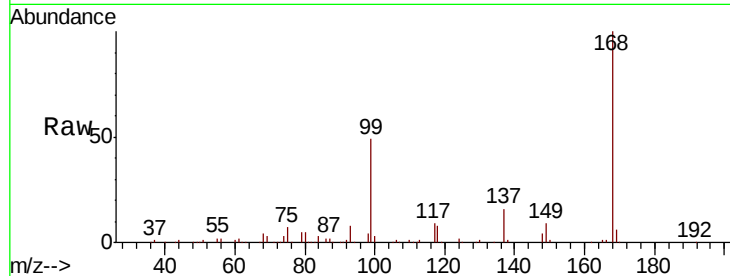
PB113124ZHE#15

Tgt Ion:168 Resp: 613037

Ion Ratio Lower Upper

168 100

99 48.8 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

250000

200000

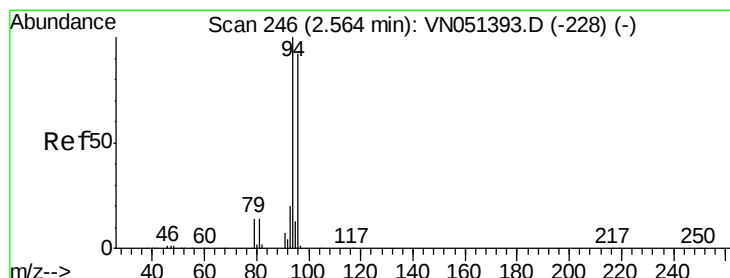
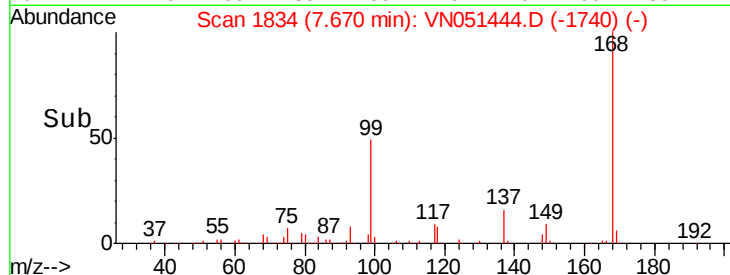
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.284 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051444.D

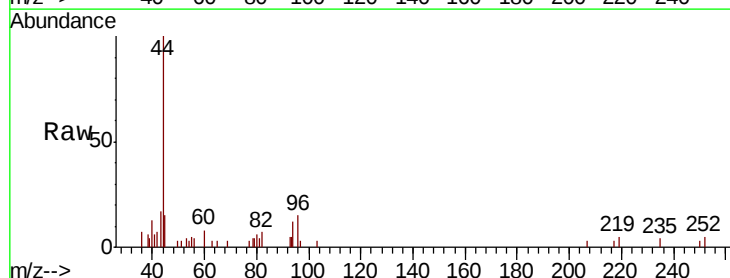
Acq: 24 Sep 2018 4:41

Tgt Ion: 94 Resp: 1355

Ion Ratio Lower Upper

94 100

96 121.5 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) (-)

2.57

1000

800

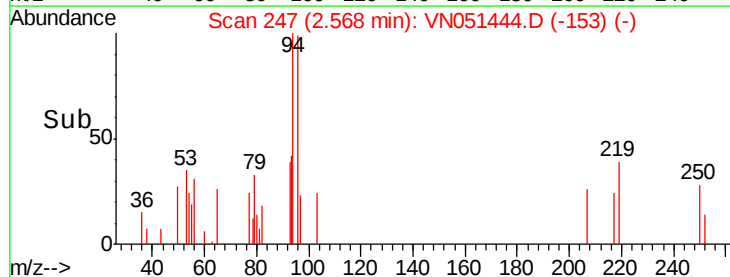
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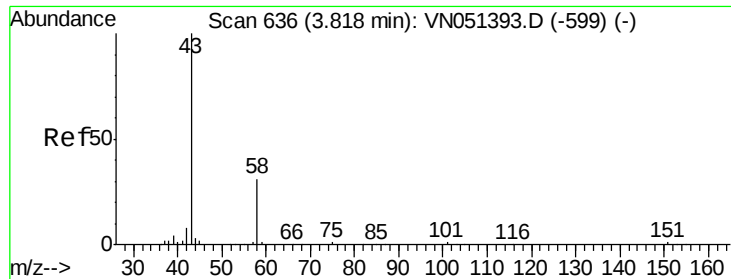
400

200

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051444.D

Acq: 24 Sep 2018 4:41

Instrument :

MSVOA_N

ClientSampleId :

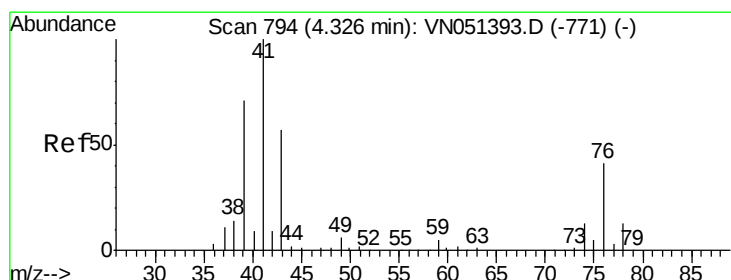
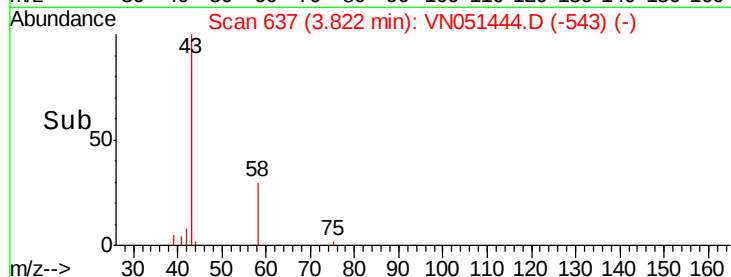
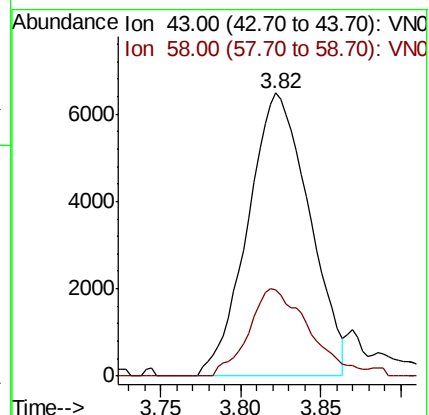
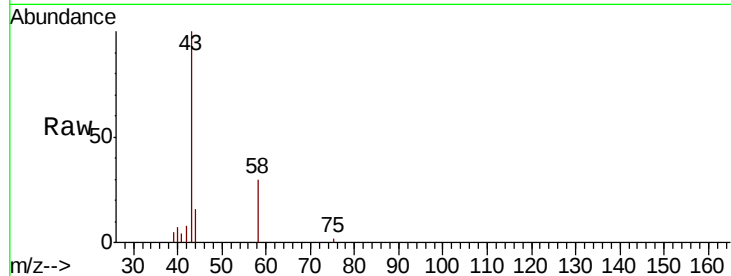
PB113124ZHE#15

Tgt Ion: 43 Resp: 17175

Ion Ratio Lower Upper

43 100

58 30.4 25.0 37.4



#18

Methyl Acetate

Concen: 1.137 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051444.D

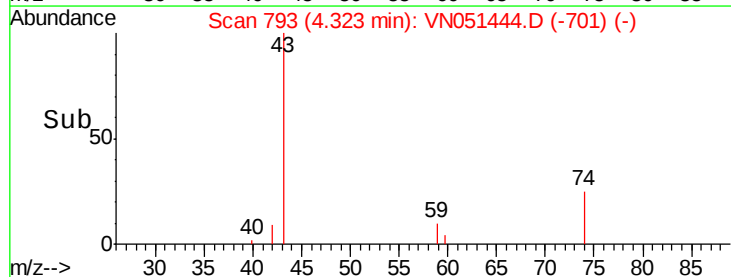
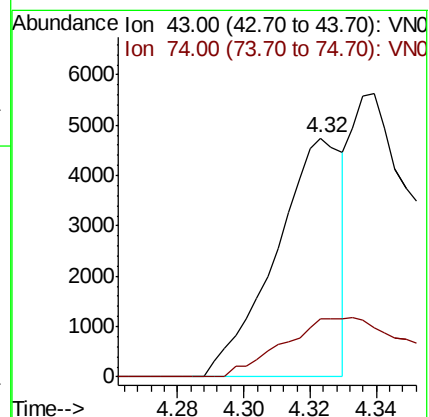
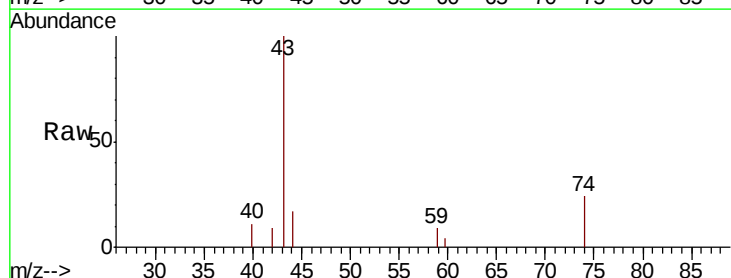
Acq: 24 Sep 2018 4:41

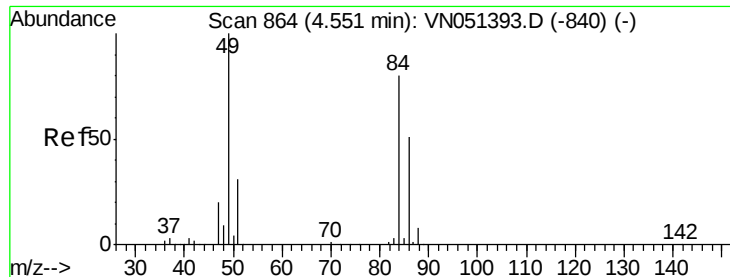
Tgt Ion: 43 Resp: 6651

Ion Ratio Lower Upper

43 100

74 44.6 18.8 28.2#

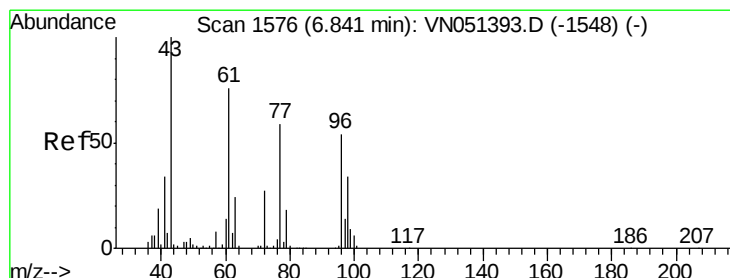
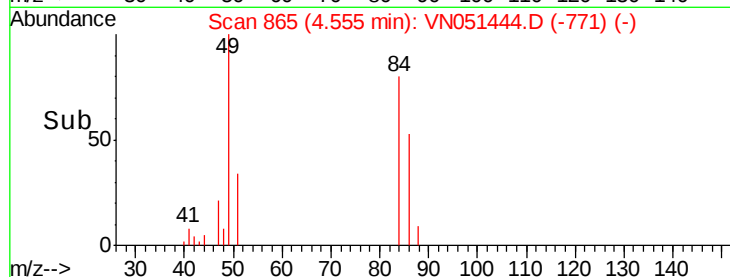
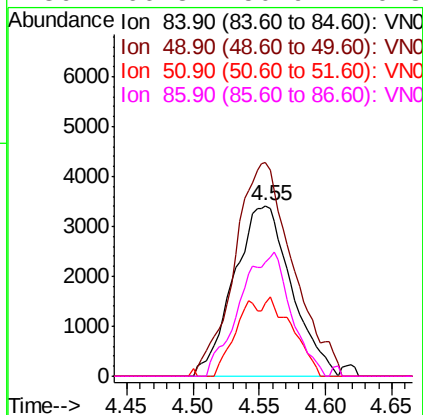
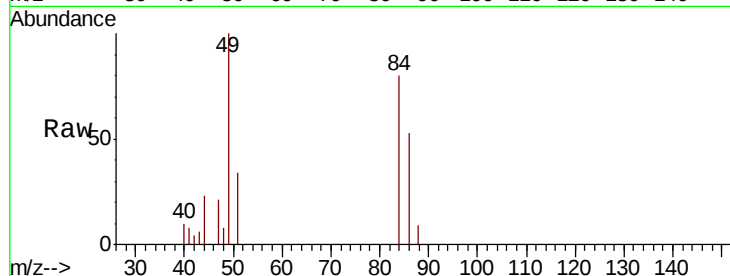




#20
Methylene Chloride
Concen: 1.360 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051444.D
Acq: 24 Sep 2018 4:41

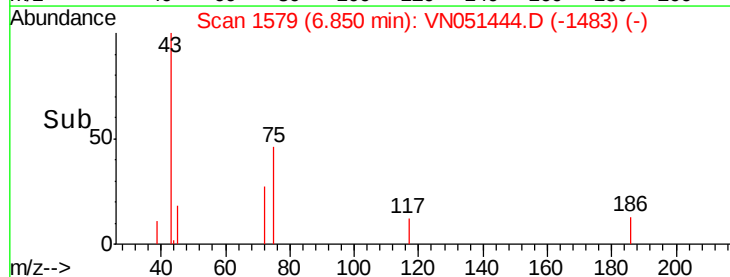
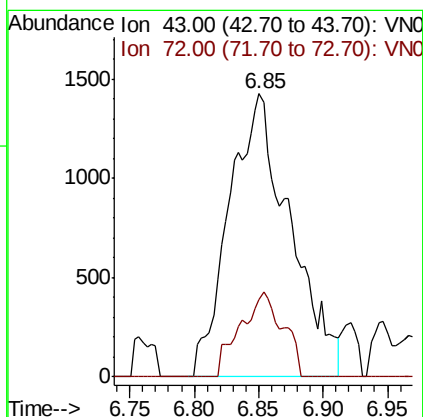
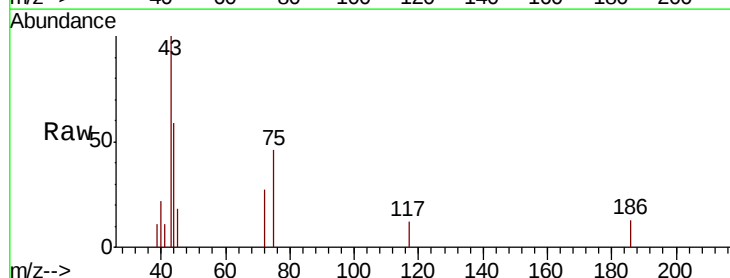
Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#15

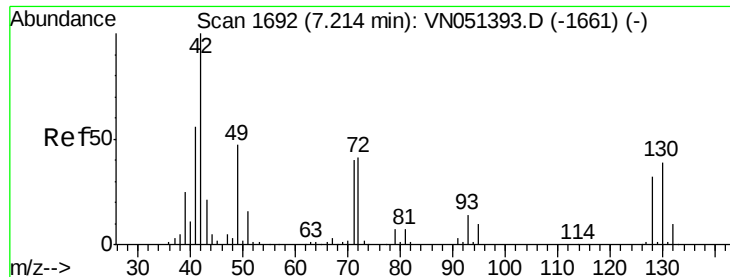
Tgt Ion: 84 Resp: 10336
Ion Ratio Lower Upper
84 100
49 125.4 99.9 149.9
51 42.9 31.4 47.2
86 66.8 50.9 76.3



#25
2-Butanone
Concen: 1.781 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN051444.D
Acq: 24 Sep 2018 4:41

Tgt Ion: 43 Resp: 4681
Ion Ratio Lower Upper
43 100
72 27.4 21.8 32.6





#29

Tetrahydrofuran

Concen: 0.353 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN051444.D

Acq: 24 Sep 2018 4:41

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#15

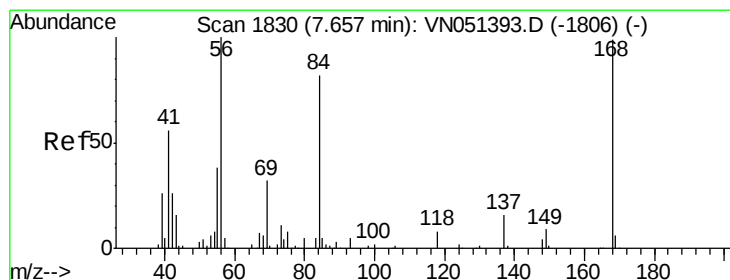
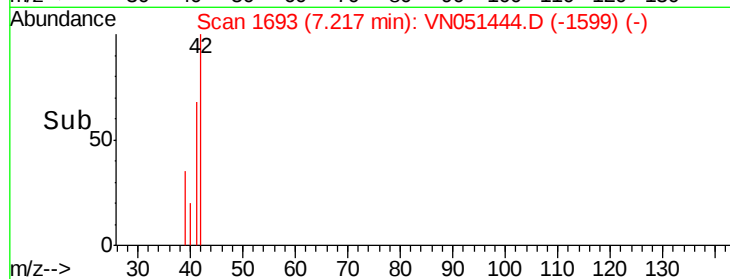
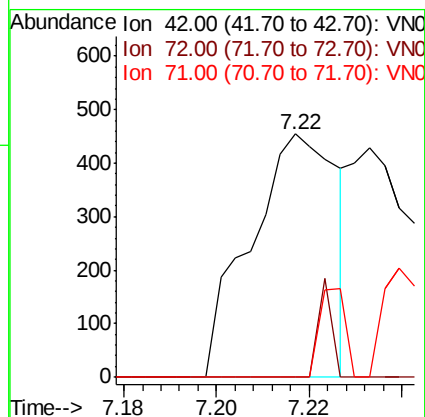
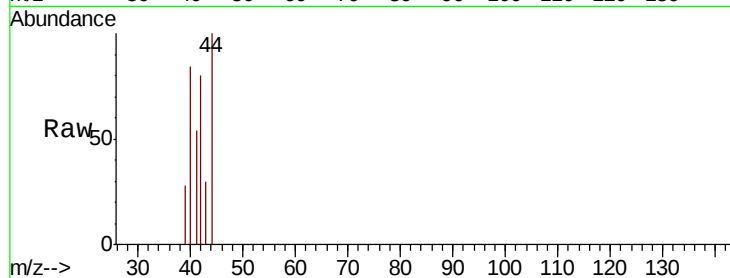
Tgt Ion: 42 Resp: 588

Ion Ratio Lower Upper

42 100

72 6.1 34.3 51.5#

71 10.9 32.2 48.4#



#31

Cyclohexane

Concen: 0.891 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051444.D

Acq: 24 Sep 2018 4:41

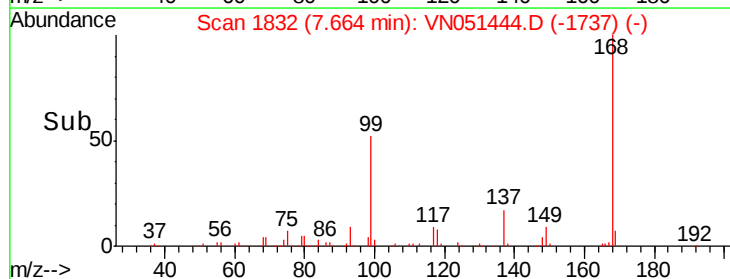
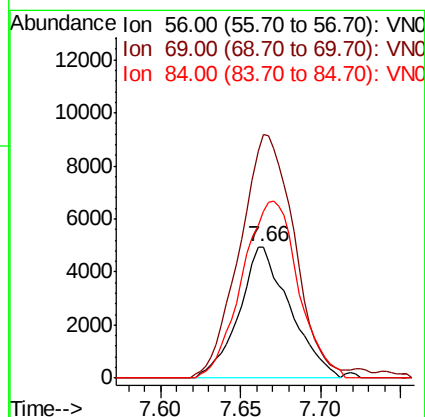
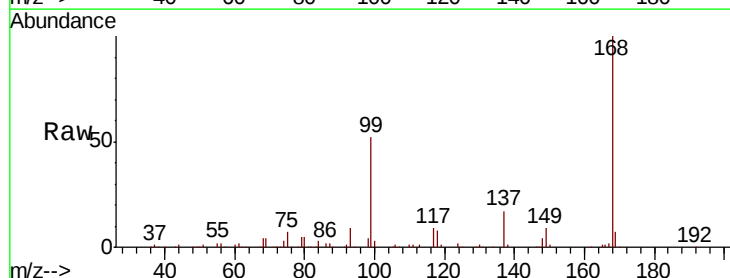
Tgt Ion: 56 Resp: 10771

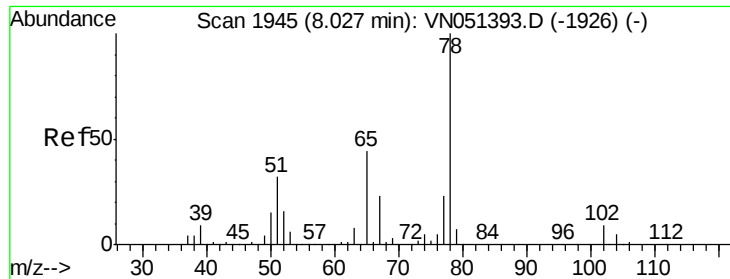
Ion Ratio Lower Upper

56 100

69 185.5 25.8 38.6#

84 126.7 66.0 99.0#

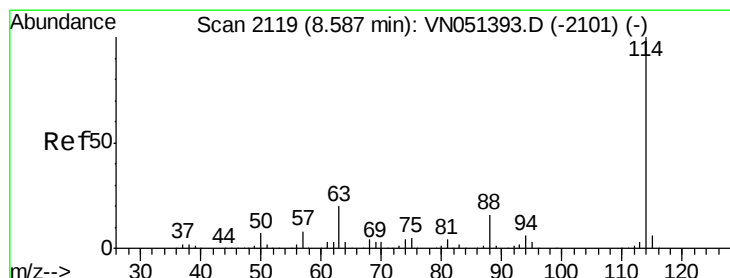
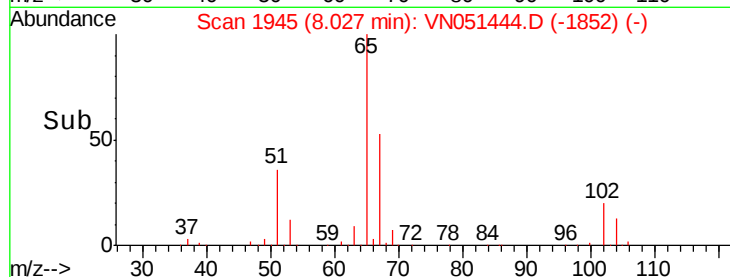
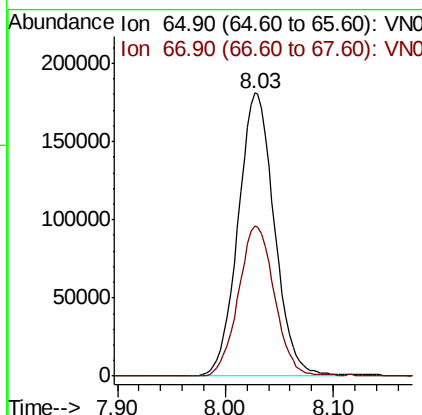
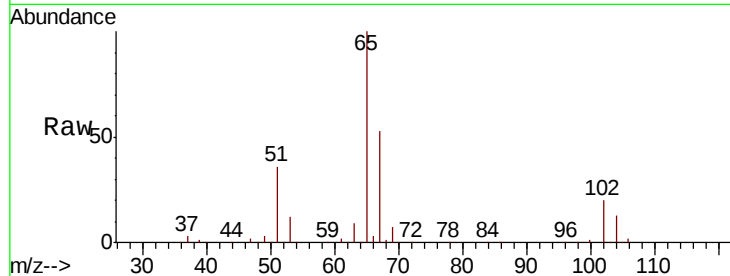




#33
 1,2-Dichloroethane-d4
 Concen: 55.106 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051444.D
 Acq: 24 Sep 2018 4:41

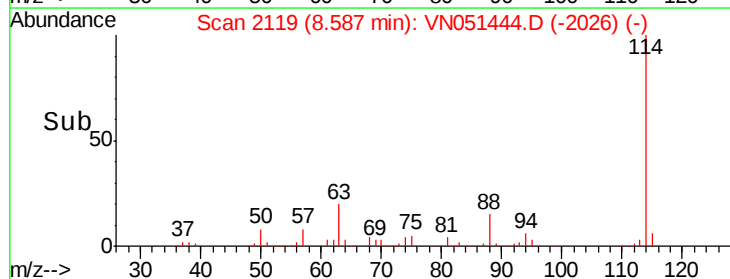
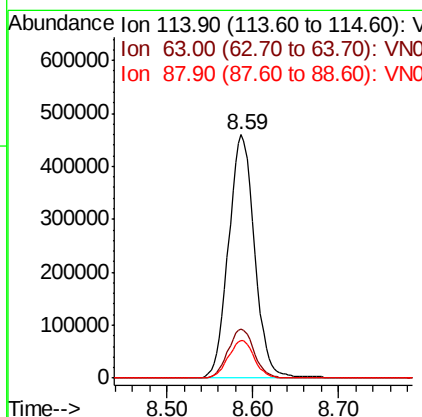
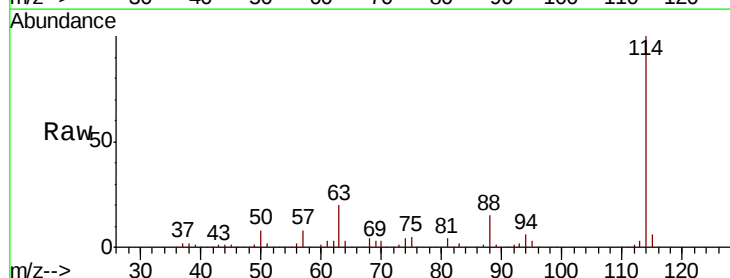
Instrument :
 MSVOA_N
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 PB113124ZHE#15

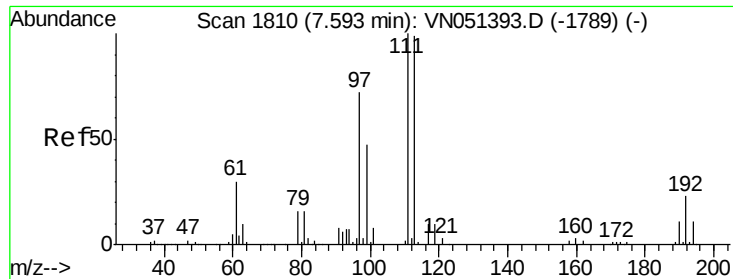
Tgt Ion: 65 Resp: 423179
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051444.D
 Acq: 24 Sep 2018 4:41

Tgt Ion: 114 Resp: 965610
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.2
 88 15.4 0.0 31.4

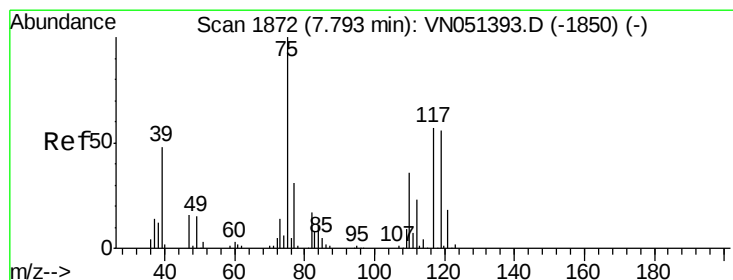
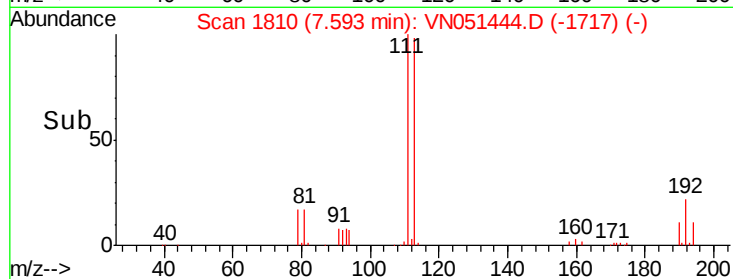
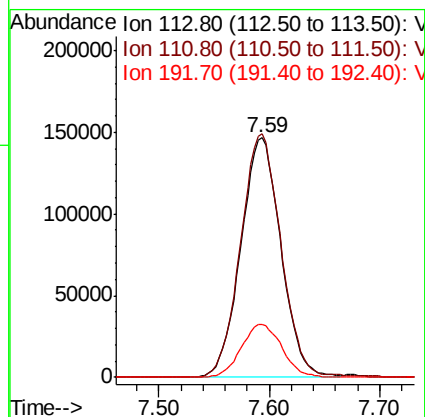
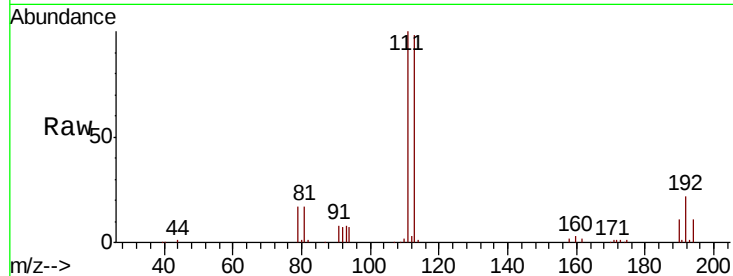




#35
 Dibromofluoromethane
 Concen: 47.771 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051444.D
 Acq: 24 Sep 2018 4:41

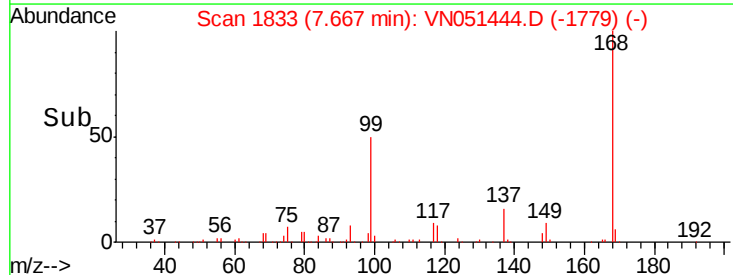
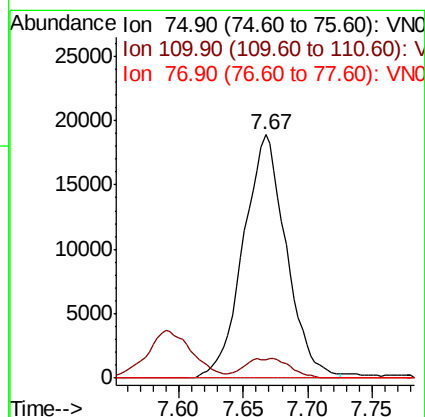
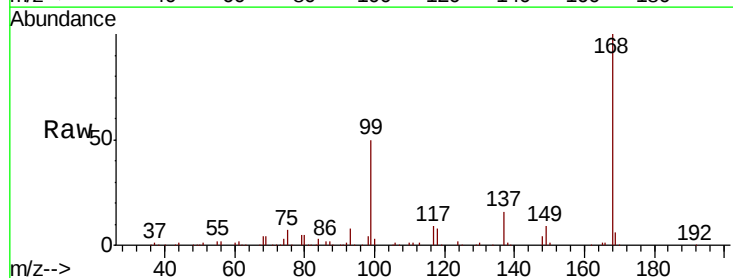
Instrument :
 MSVOA_N
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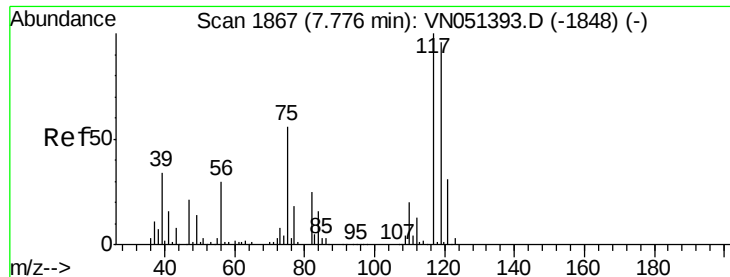
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.6	123.8
192	22.5	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 3.912 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051444.D
 Acq: 24 Sep 2018 4:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.1	54.3#
77	0.0	25.6	38.4#





#38

Carbon Tetrachloride

Concen: 4.672 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051444.D

Acq: 24 Sep 2018 4:41

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#15

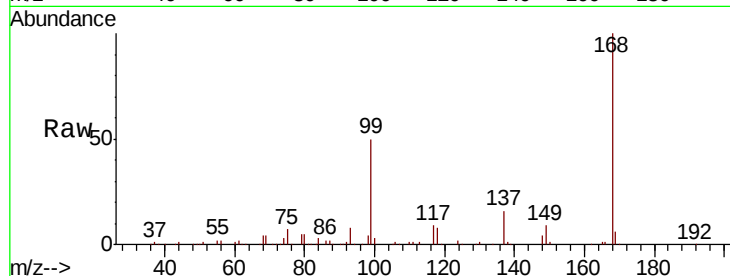
Tgt Ion:117 Resp: 54641

Ion Ratio Lower Upper

117 100

119 5.2 76.9 115.3#

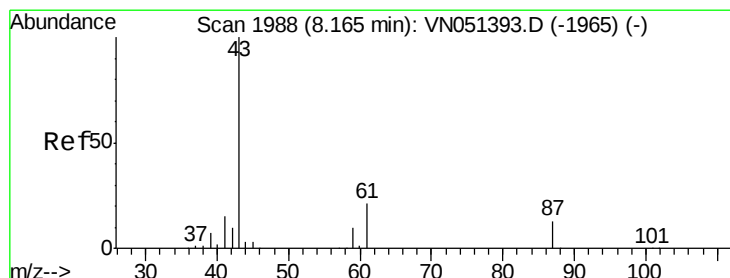
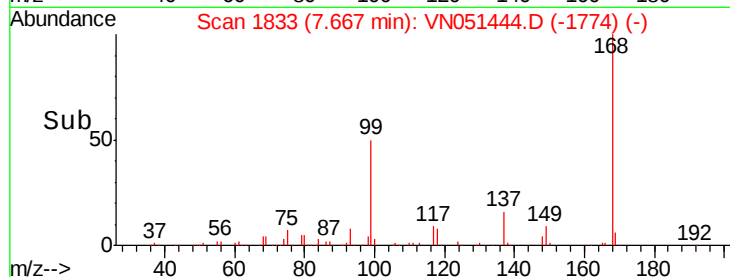
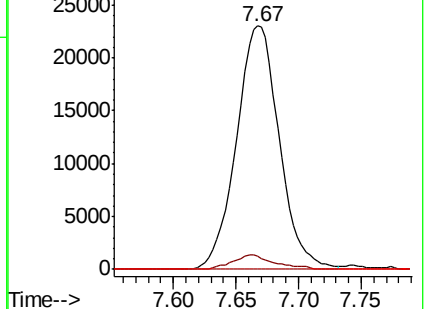
121 0.0 24.6 37.0#



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: 25.394 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051444.D

Acq: 24 Sep 2018 4:41

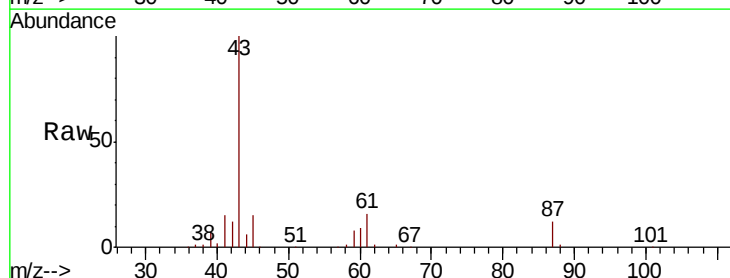
Tgt Ion: 43 Resp: 295227

Ion Ratio Lower Upper

43 100

61 15.7 16.8 25.2#

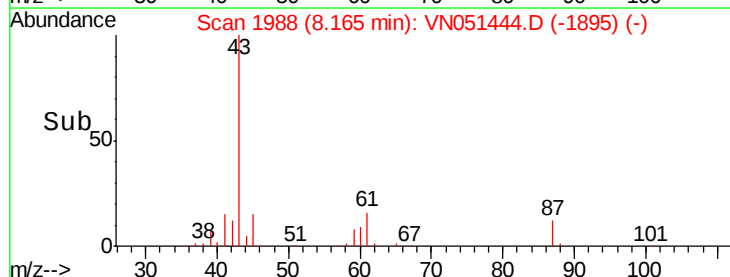
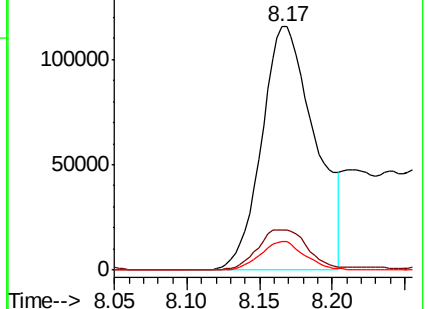
87 9.8 10.7 16.1#

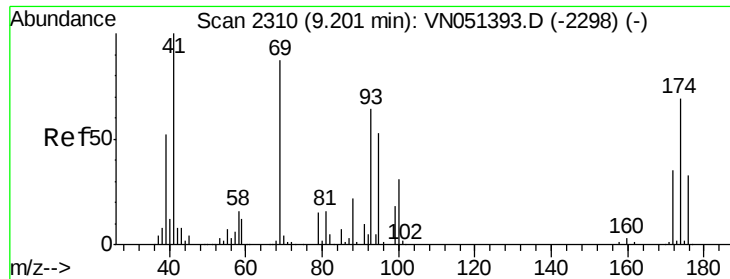


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

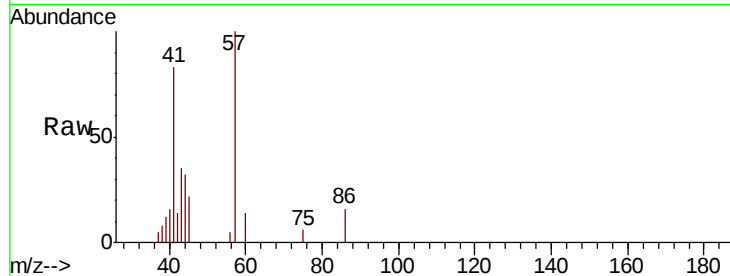




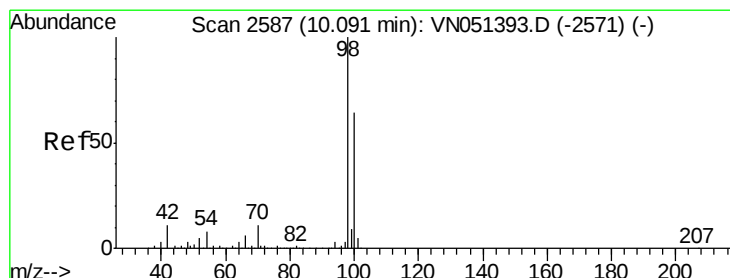
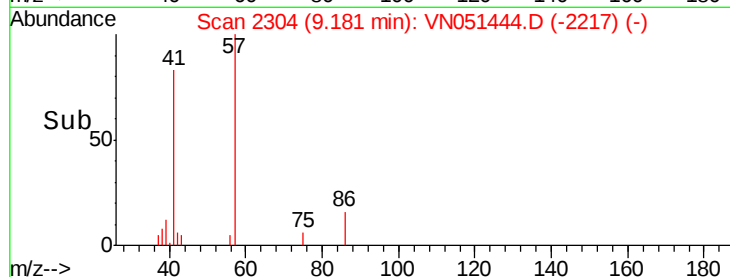
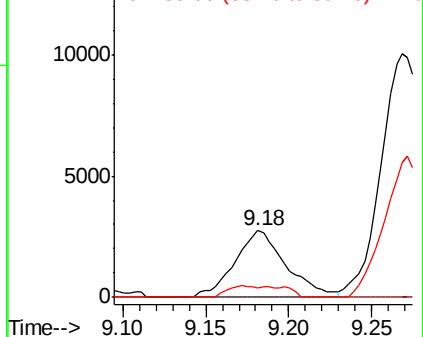
#48
Methyl methacrylate
Concen: 1.024 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN051444.D
Acq: 24 Sep 2018 4:41

Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#15

Tgt Ion: 41 Resp: 5934
Ion Ratio Lower Upper
41 100
69 0.0 70.4 105.6#
39 9.8 43.8 65.8#

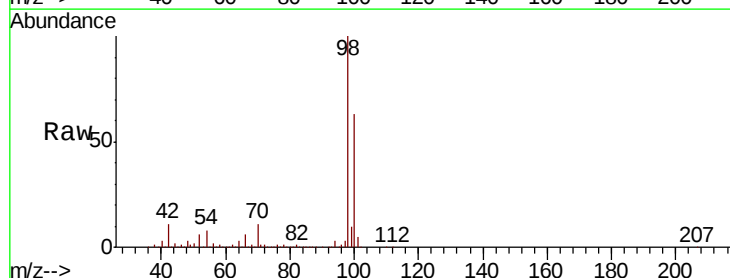


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

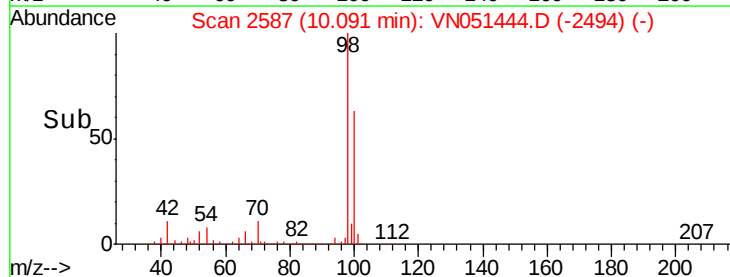
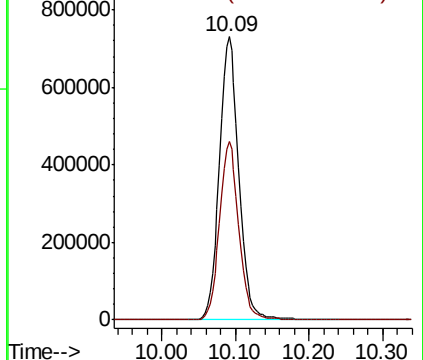


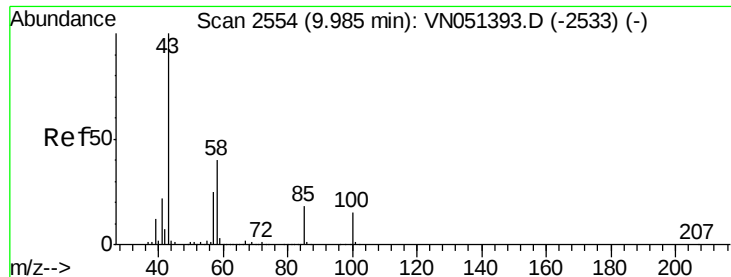
#50
Toluene-d8
Concen: 45.895 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051444.D
Acq: 24 Sep 2018 4:41

Tgt Ion: 98 Resp: 1334482
Ion Ratio Lower Upper
98 100
100 62.8 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

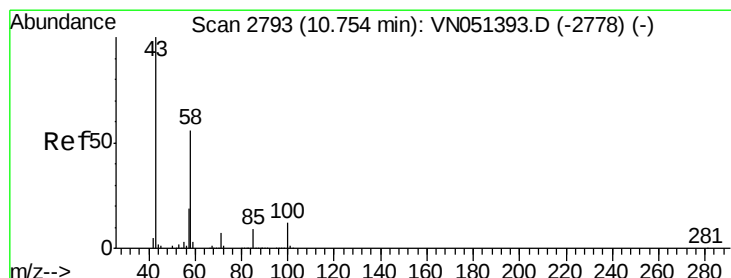
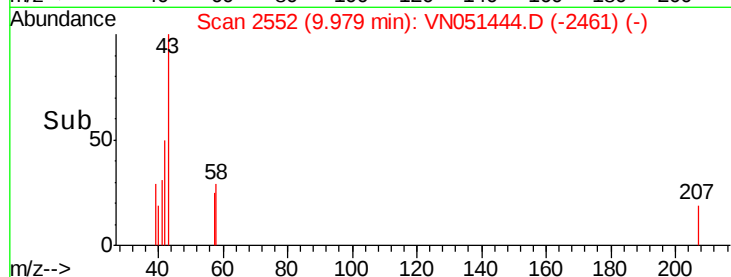
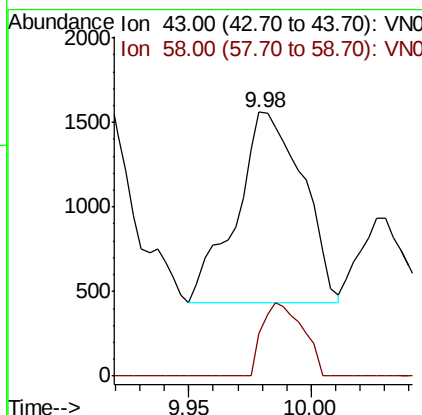
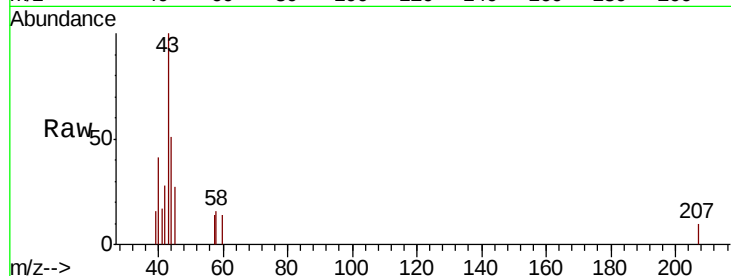




#51
 4-Methyl-2-Pentanone
 Concen: 0.331 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. -0.01 min
 Lab File: VN051444.D
 Acq: 24 Sep 2018 4:41

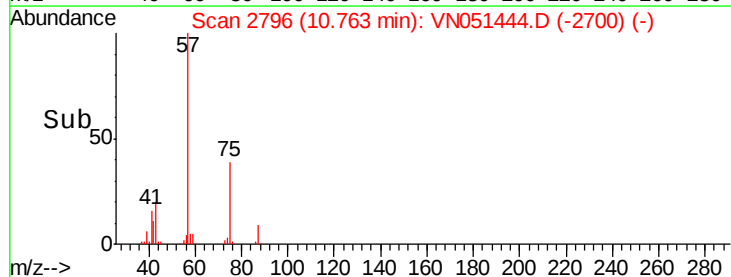
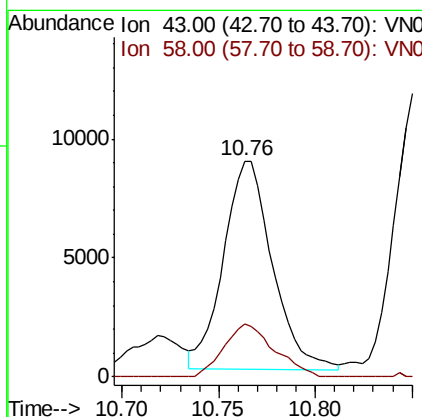
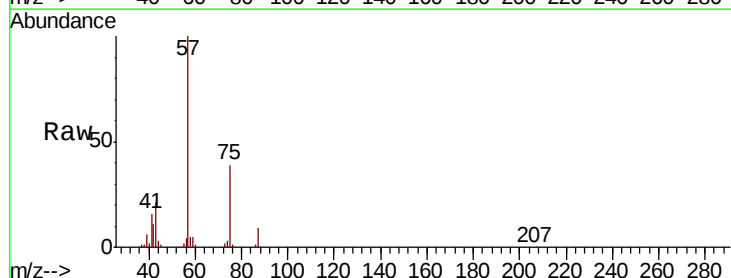
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113124ZHE#15

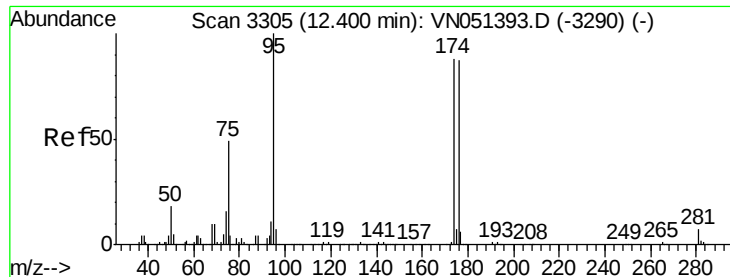
Tgt Ion: 43 Resp: 2116
 Ion Ratio Lower Upper
 43 100
 58 23.6 31.5 47.3#



#59
 2-Hexanone
 Concen: 3.698 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN051444.D
 Acq: 24 Sep 2018 4:41

Tgt Ion: 43 Resp: 15326
 Ion Ratio Lower Upper
 43 100
 58 26.3 27.7 83.0#





#62

4-Bromofluorobenzene

Concen: 37.644 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051444.D

Acq: 24 Sep 2018 4:41

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#15

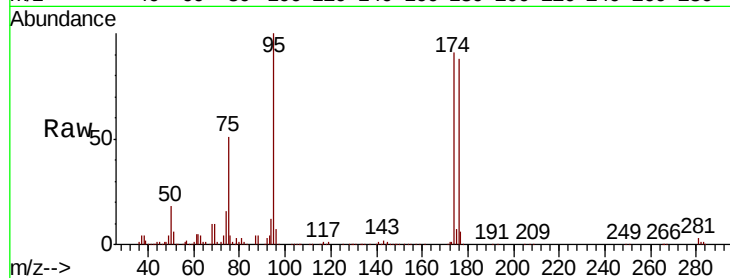
Tgt Ion: 95 Resp: 354089

Ion Ratio Lower Upper

95 100

174 92.6 0.0 181.6

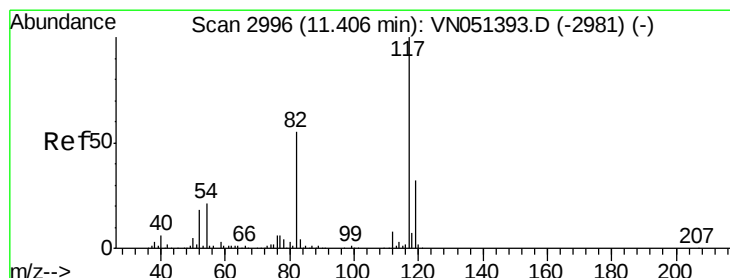
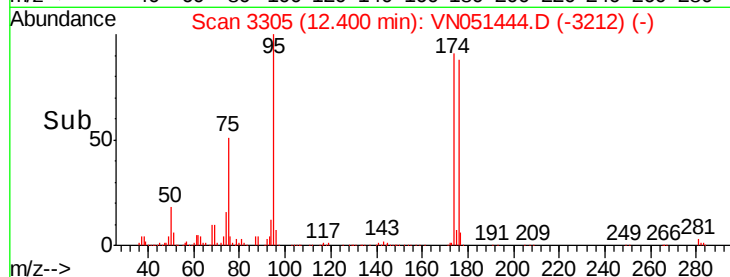
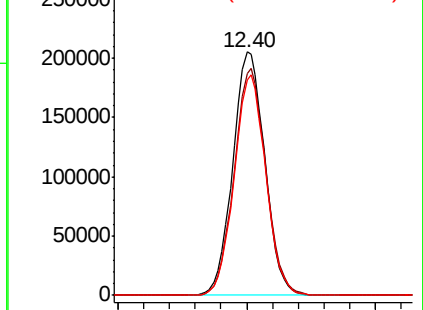
176 89.2 0.0 176.4



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN051444.D

Acq: 24 Sep 2018 4:41

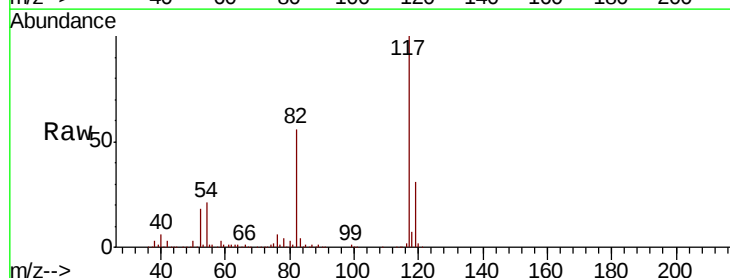
Tgt Ion: 117 Resp: 804460

Ion Ratio Lower Upper

117 100

82 55.6 44.2 66.2

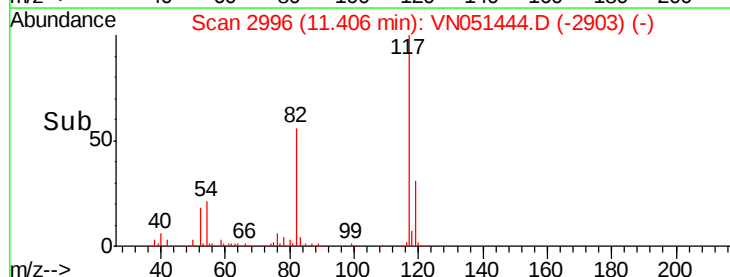
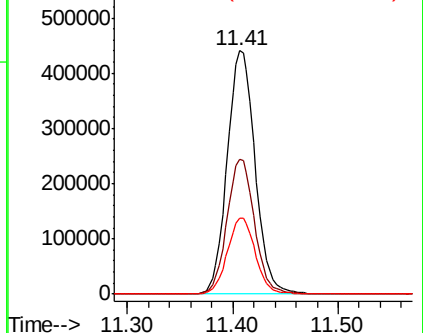
119 31.2 25.9 38.9

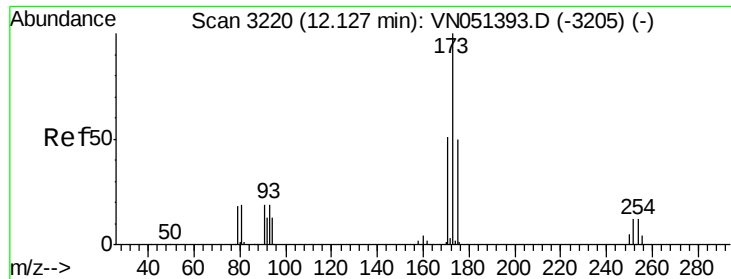


Abundance Ion 116.90 (116.60 to 117.60): VN051393.D (-2981) (-)

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

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

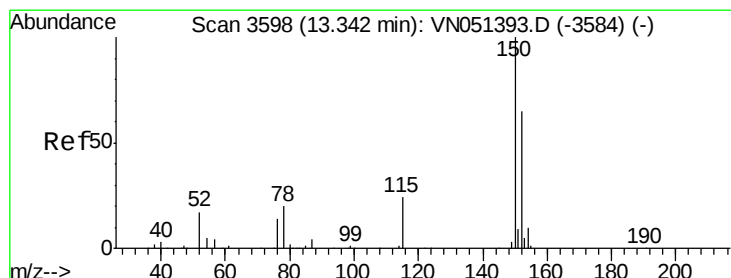
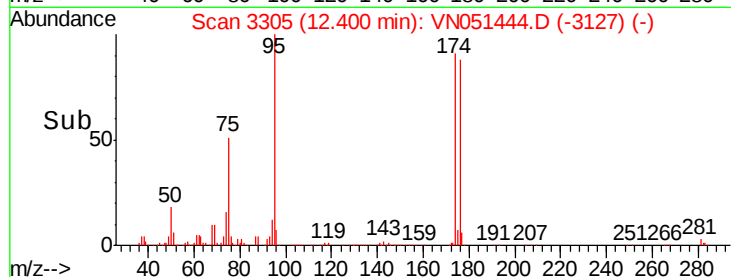
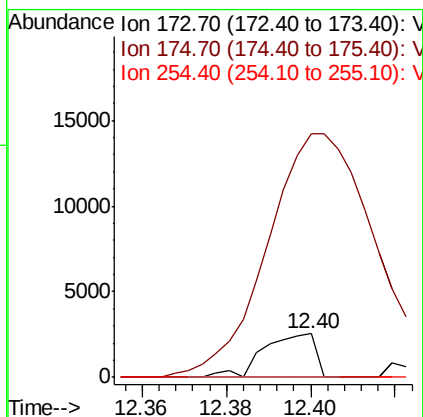
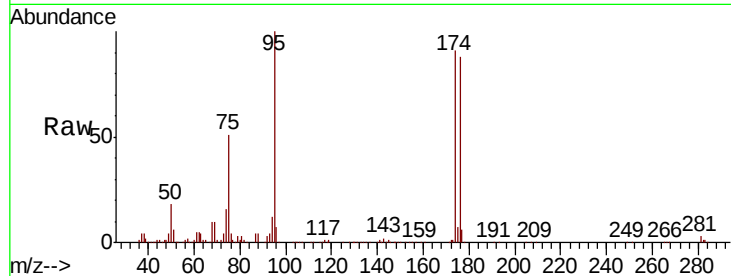




#71
Bromoform
Concen: 0.403 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN051444.D
Acq: 24 Sep 2018 4:41

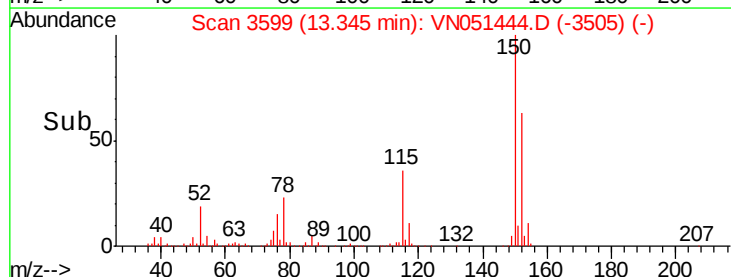
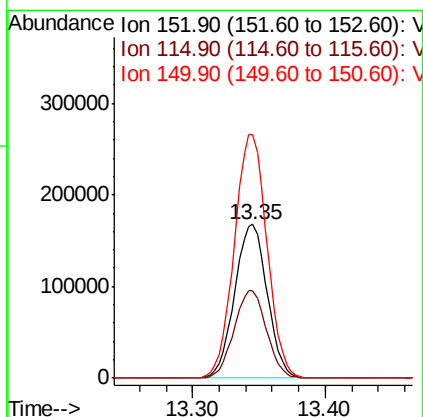
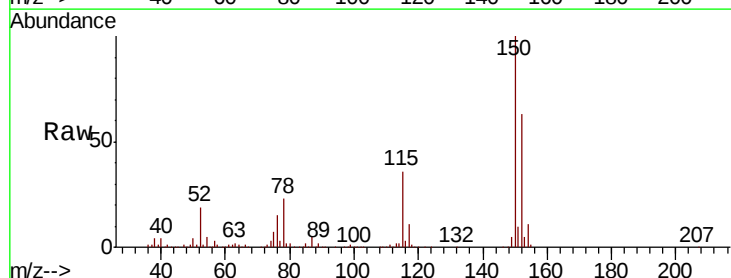
Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#15

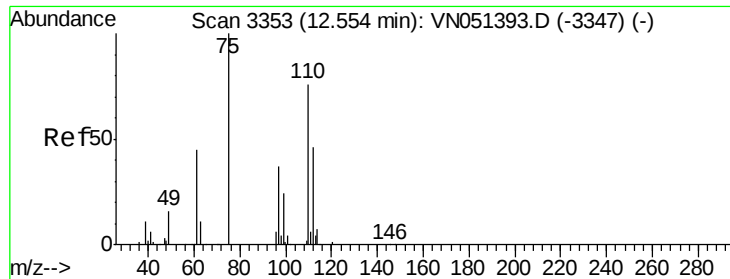
Tgt Ion:173 Resp: 2152
Ion Ratio Lower Upper
173 100
175 982.8 24.8 74.3#
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051444.D
Acq: 24 Sep 2018 4:41

Tgt Ion:152 Resp: 285519
Ion Ratio Lower Upper
152 100
115 56.9 28.3 84.9
150 158.9 0.0 353.6

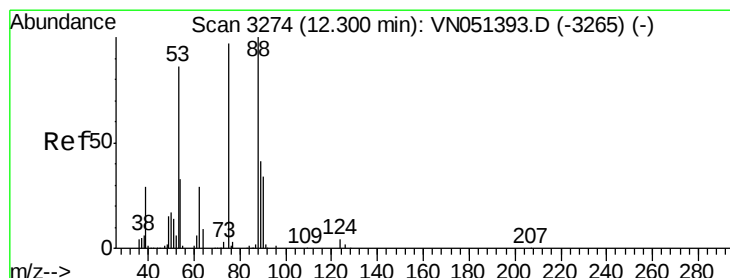
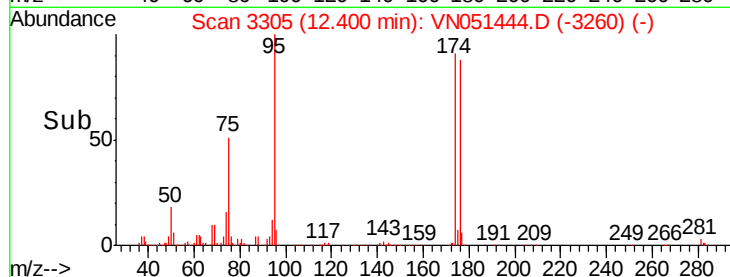
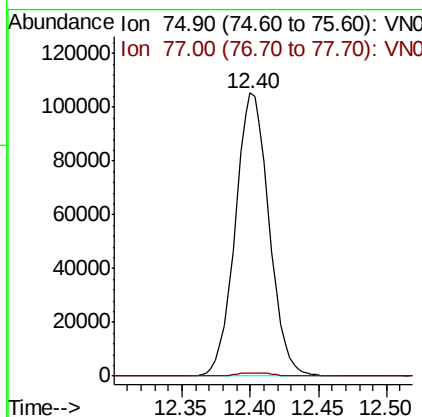
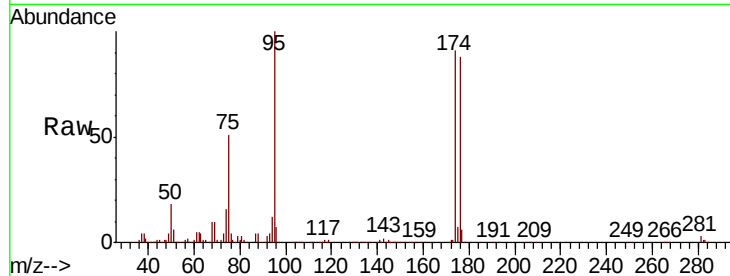




#76
 1,2,3-Trichloropropane
 Concen: 38.088 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN051444.D
 Acq: 24 Sep 2018 4:41

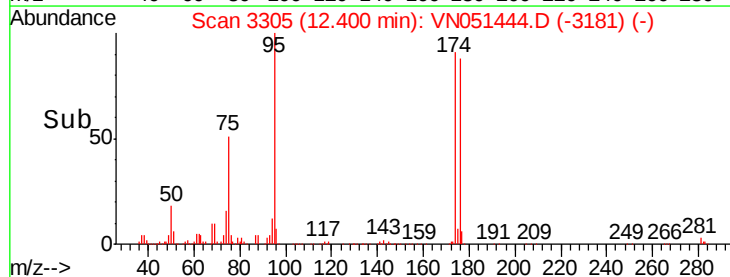
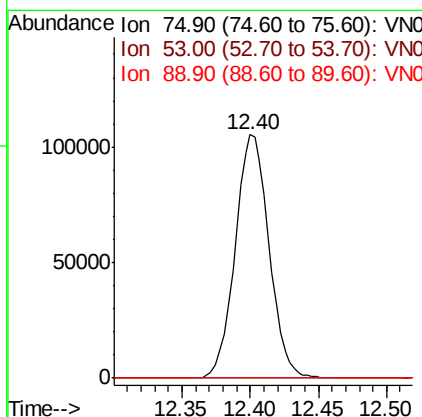
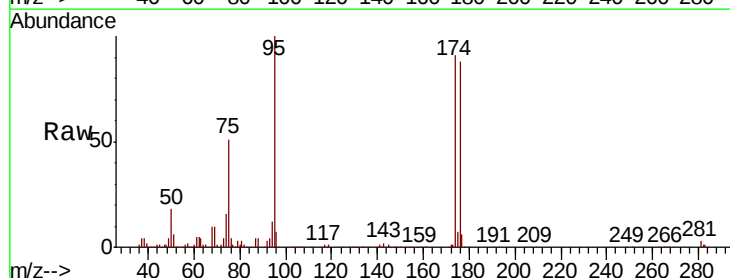
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113124ZHE#15

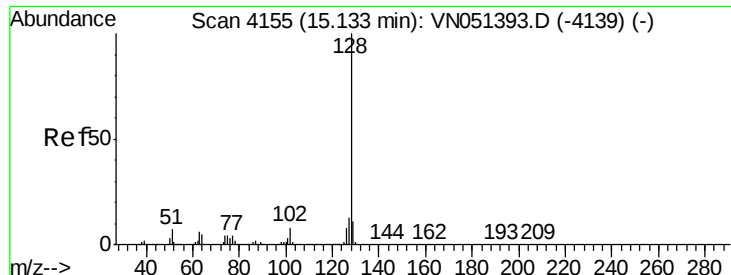
Tgt Ion: 75 Resp: 180532
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 117.120 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN051444.D
 Acq: 24 Sep 2018 4:41

Tgt Ion: 75 Resp: 180532
 Ion Ratio Lower Upper
 75 100
 53 0.2 73.9 110.9#
 89 0.0 36.7 55.1#





#95

Naphthalene

Concen: 8.054 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN051444.D

Acq: 24 Sep 2018 4:41

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#15

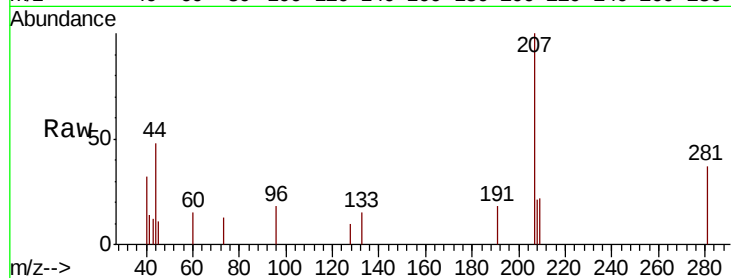
Tgt Ion:128 Resp: 124

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

