

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
 Data File : VN051437.D
 Acq On : 24 Sep 2018 1:49
 Operator : MD\SY
 Sample : PB113124ZHE#08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113124ZHE#08

Quant Time: Sep 24 06:51:11 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	660221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1041381	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	883160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	322873	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	455072	55.02	ug/l	0.00
Spiked Amount			Recovery	=	110.04%	
35) Dibromofluoromethane	7.59	113	395684	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
50) Toluene-d8	10.09	98	1437382	45.84	ug/l	0.00
Spiked Amount			Recovery	=	91.68%	
62) 4-Bromofluorobenzene	12.40	95	387821	38.23	ug/l	0.00
Spiked Amount			Recovery	=	76.46%	

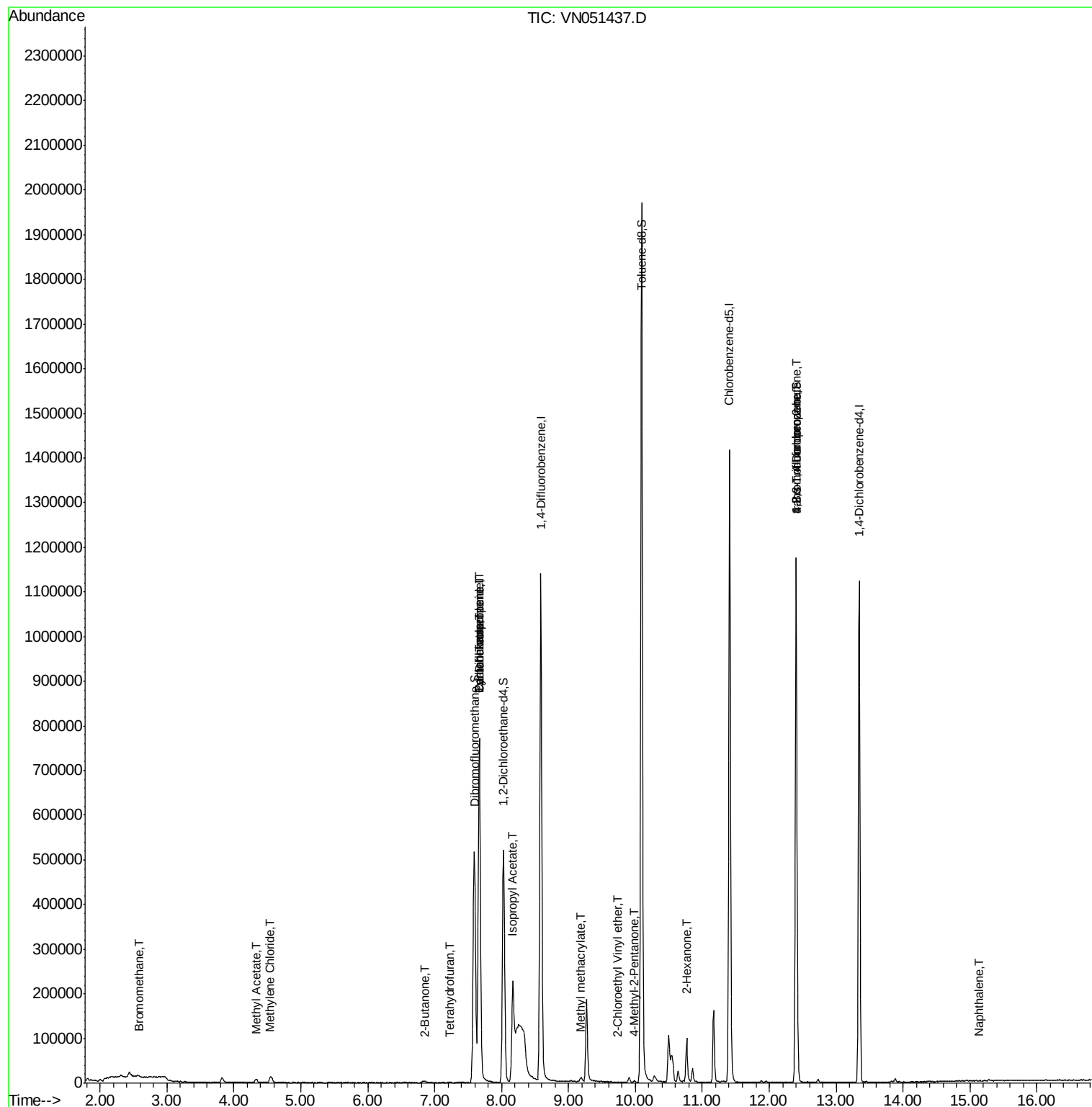
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	1460	0.284	ug/l	93
16) Acetone	3.82	43	18161	Below Cal		93
18) Methyl Acetate	4.33	43	15265	2.423	ug/l	95
20) Methylene Chloride	4.55	84	9628	1.176	ug/l	90
25) 2-Butanone	6.85	43	5319	1.879	ug/l #	84
29) Tetrahydrofuran	7.23	42	574	0.320	ug/l #	81
31) Cyclohexane	7.67	56	11341	0.871	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	46292	3.839	ug/l #	48
38) Carbon Tetrachloride	7.67	117	60331	4.783	ug/l #	17
43) Isopropyl Acetate	8.17	43	281608	22.460	ug/l #	92
48) Methyl methacrylate	9.18	41	5836	0.934	ug/l #	23
51) 4-Methyl-2-Pentanone	9.99	43	1918	0.278	ug/l #	80
58) 2-Chloroethyl Vinyl ether	9.74	63	33	20.375	ug/l #	48
59) 2-Hexanone	10.76	43	14649	3.277	ug/l	63
76) 1,2,3-Trichloropropane	12.40	75	192566	35.927	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	192566	110.474	ug/l #	12
95) Naphthalene	15.13	128	62	8.049	ug/l #	69

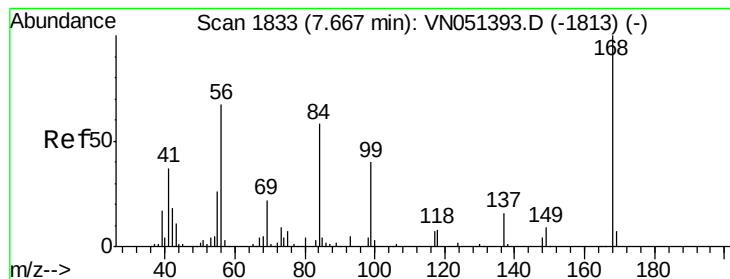
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051437.D

Acq: 24 Sep 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

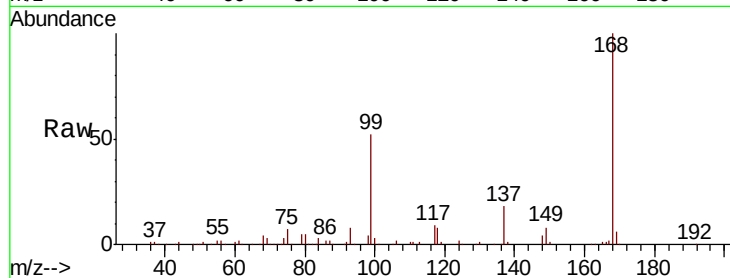
PB113124ZHE#08

Tgt Ion: 168 Resp: 660221

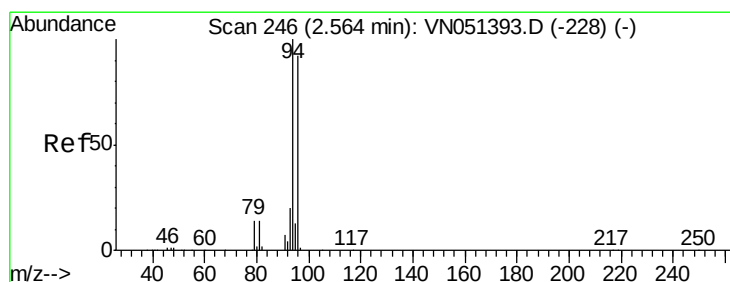
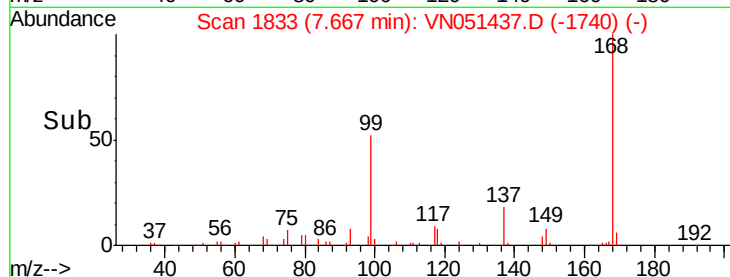
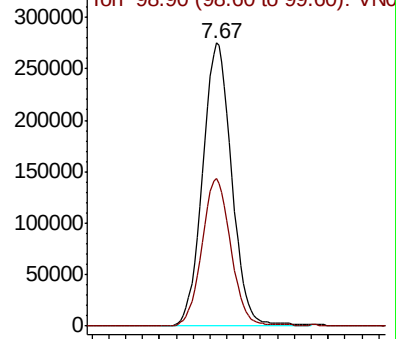
Ion Ratio Lower Upper

168 100

99 52.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051437.D (-1740) (-)



#5

Bromomethane

Concen: 0.284 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN051437.D

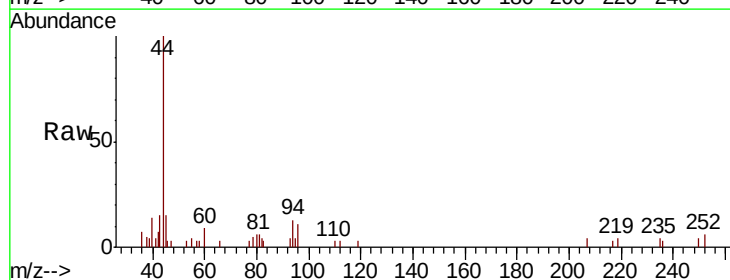
Acq: 24 Sep 2018 1:49

Tgt Ion: 94 Resp: 1460

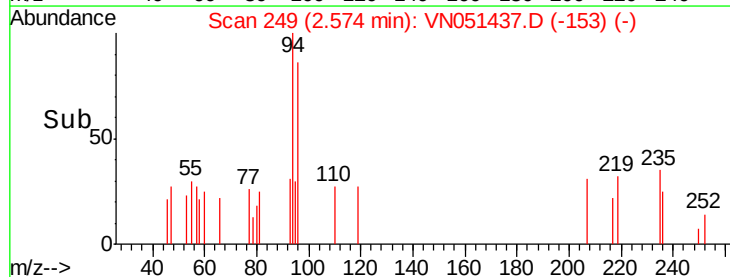
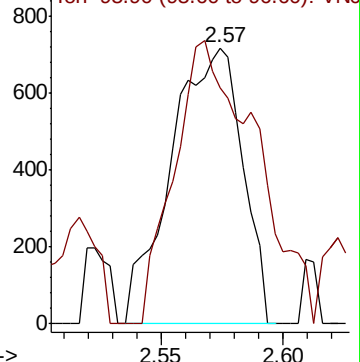
Ion Ratio Lower Upper

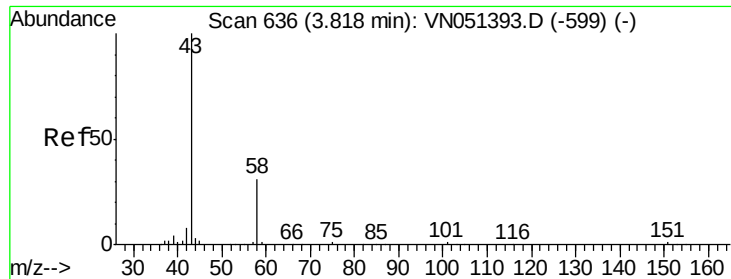
94 100

96 85.8 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN051437.D (-153) (-)





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051437.D

Acq: 24 Sep 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

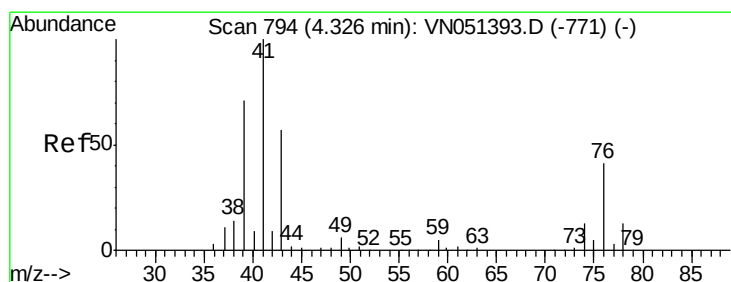
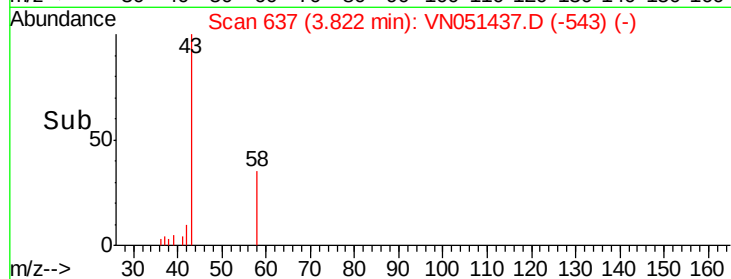
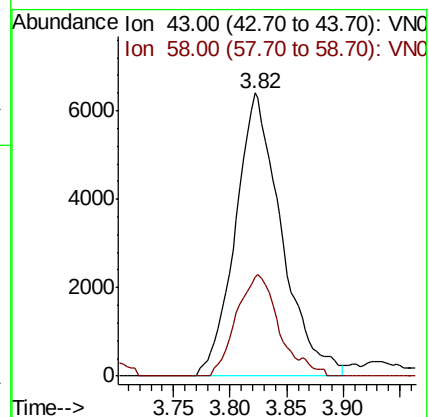
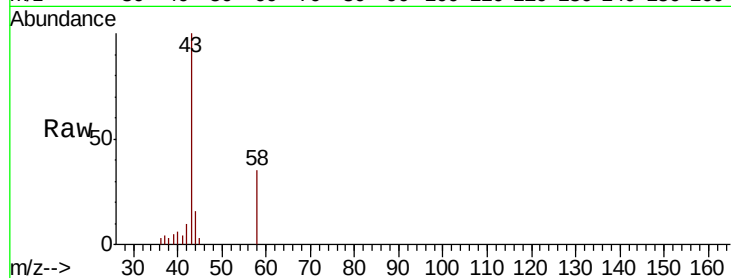
PB113124ZHE#08

Tgt Ion: 43 Resp: 18161

Ion Ratio Lower Upper

43 100

58 35.2 25.0 37.4



#18

Methyl Acetate

Concen: 2.423 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051437.D

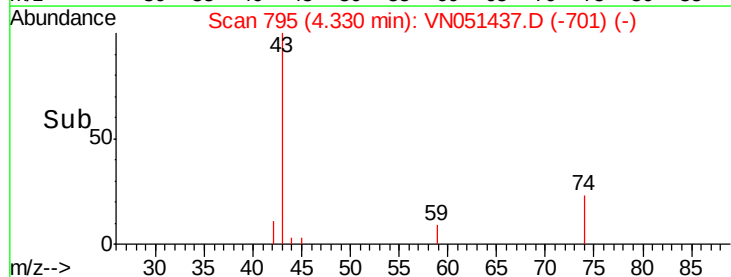
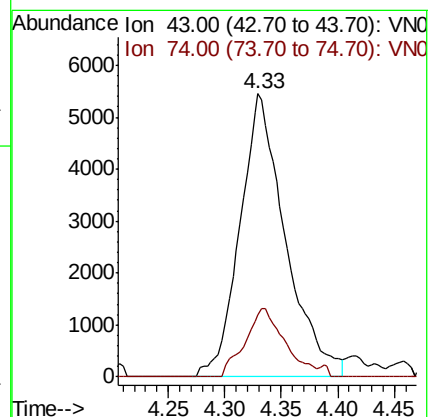
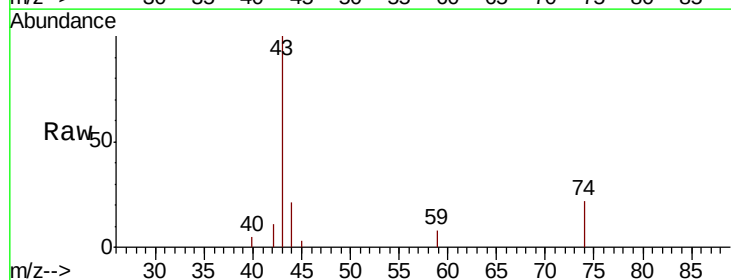
Acq: 24 Sep 2018 1:49

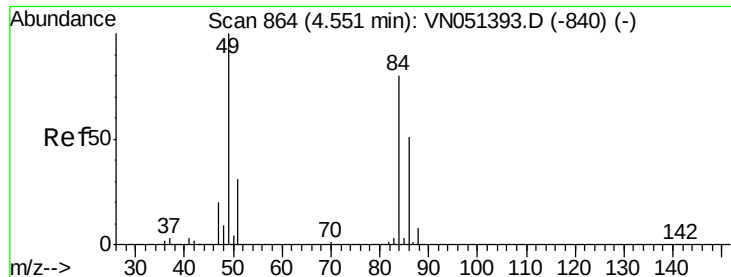
Tgt Ion: 43 Resp: 15265

Ion Ratio Lower Upper

43 100

74 21.0 18.8 28.2

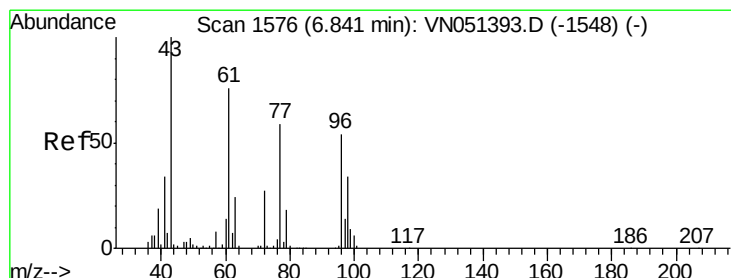
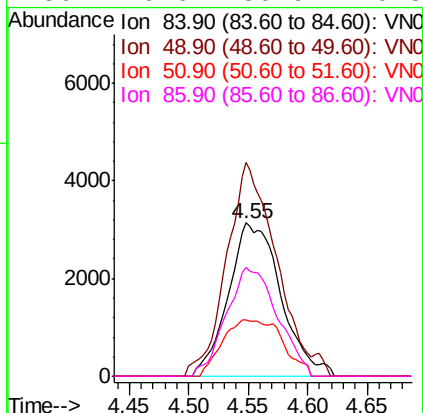
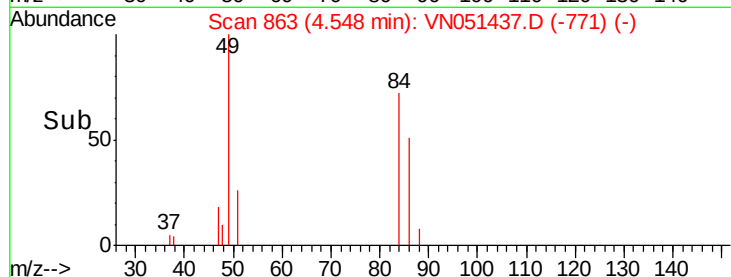
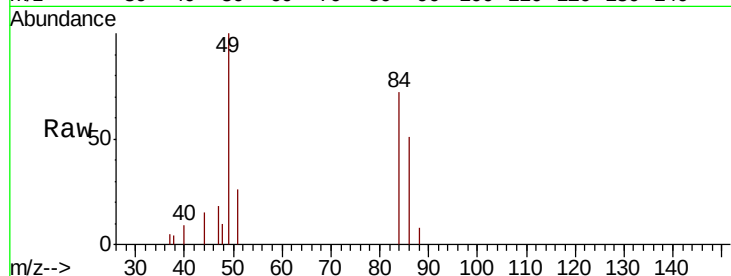




#20
Methylene Chloride
Concen: 1.176 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN051437.D
Acq: 24 Sep 2018 1:49

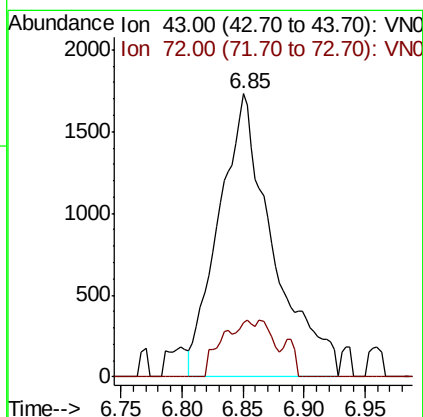
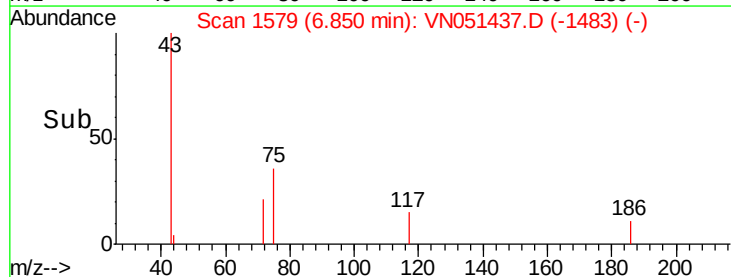
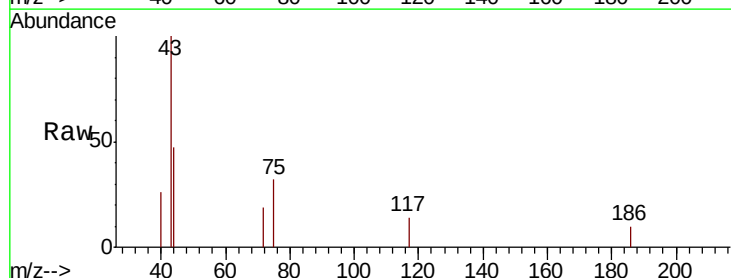
Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#08

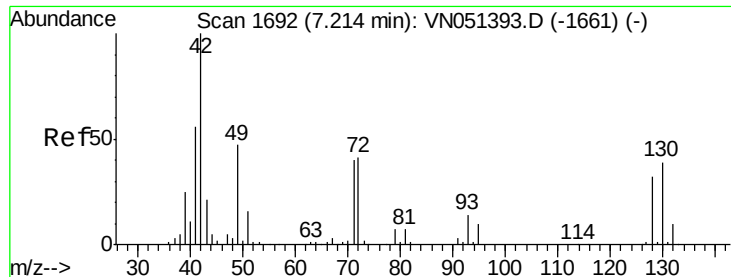
Tgt Ion:	84	Resp:	9628
Ion	Ratio	Lower	Upper
84	100		
49	139.1	99.9	149.9
51	36.4	31.4	47.2
86	70.6	50.9	76.3



#25
2-Butanone
Concen: 1.879 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN051437.D
Acq: 24 Sep 2018 1:49

Tgt Ion:	43	Resp:	5319
Ion	Ratio	Lower	Upper
43	100		
72	19.0	21.8	32.6#





#29

Tetrahydrofuran

Concen: 0.320 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN051437.D

Acq: 24 Sep 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#08

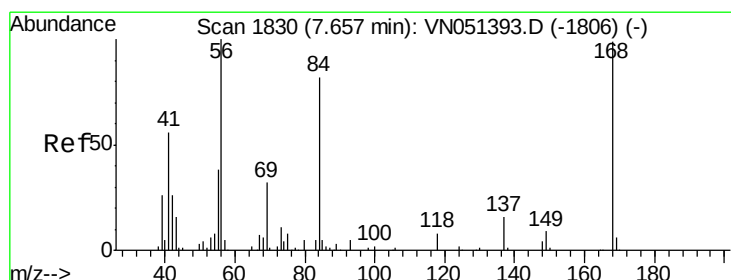
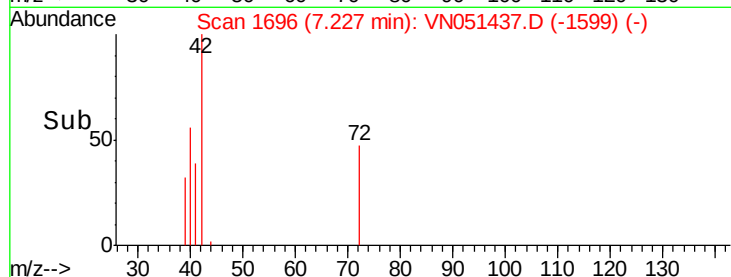
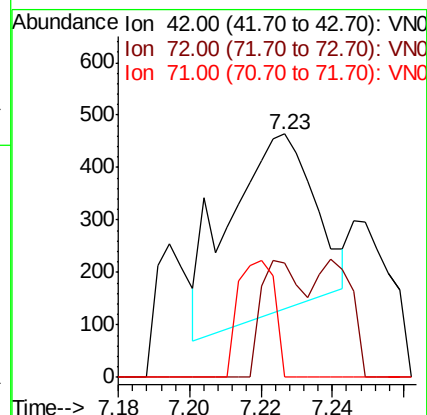
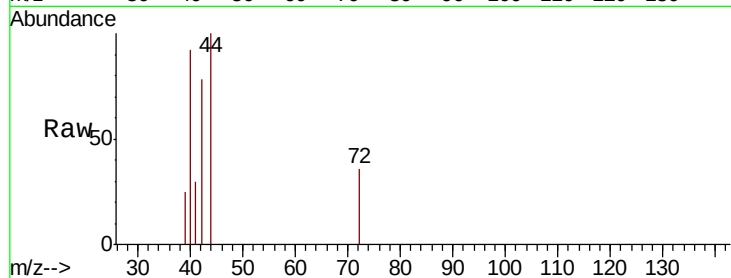
Tgt Ion: 42 Resp: 574

Ion Ratio Lower Upper

42 100

72 31.7 34.3 51.5#

71 27.4 32.2 48.4#



#31

Cyclohexane

Concen: 0.871 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051437.D

Acq: 24 Sep 2018 1:49

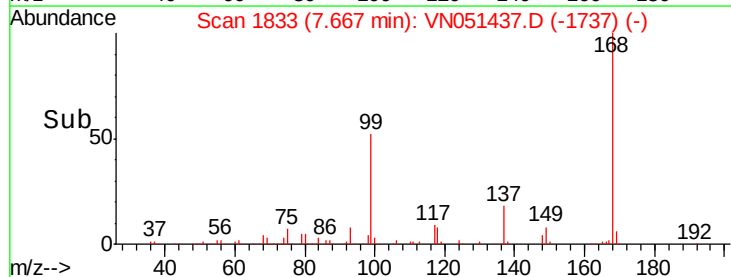
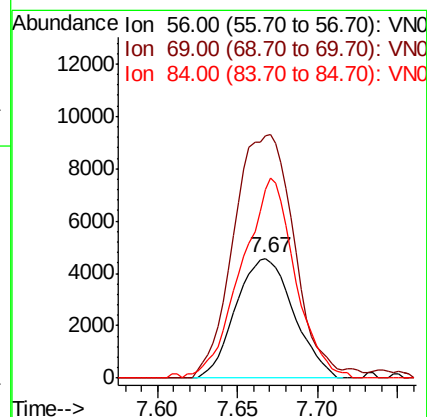
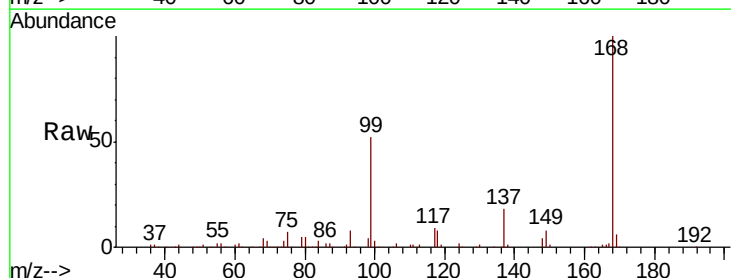
Tgt Ion: 56 Resp: 11341

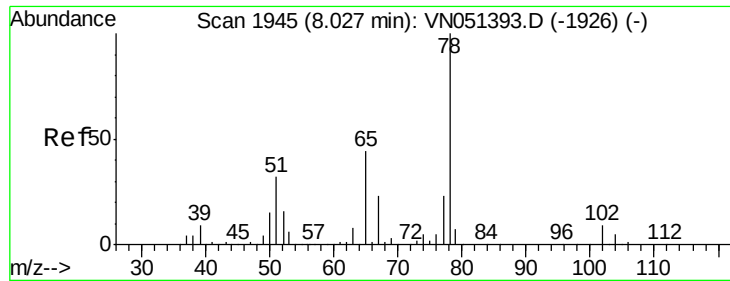
Ion Ratio Lower Upper

56 100

69 202.2 25.8 38.6#

84 153.8 66.0 99.0#

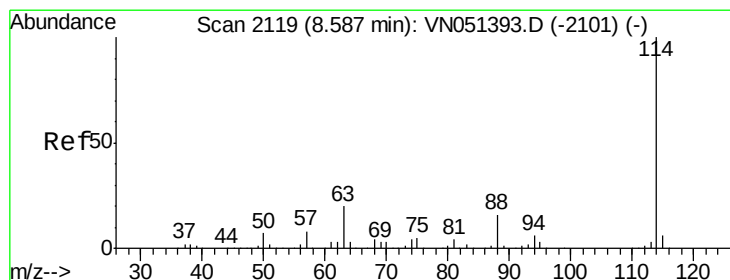
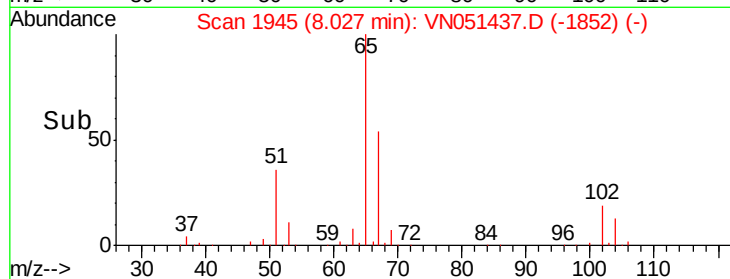
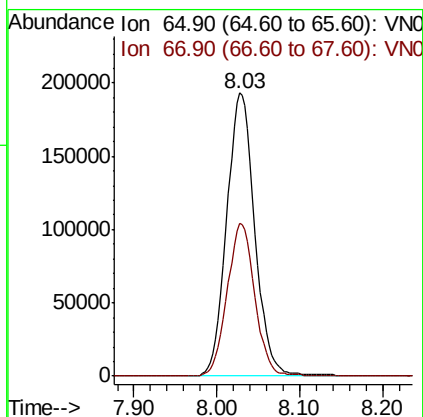
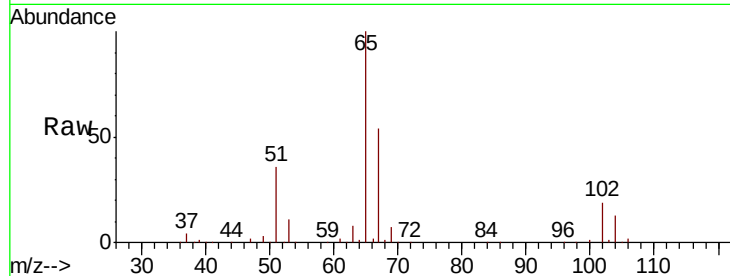




#33
 1,2-Dichloroethane-d4
 Concen: 55.024 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051437.D
 Acq: 24 Sep 2018 1:49

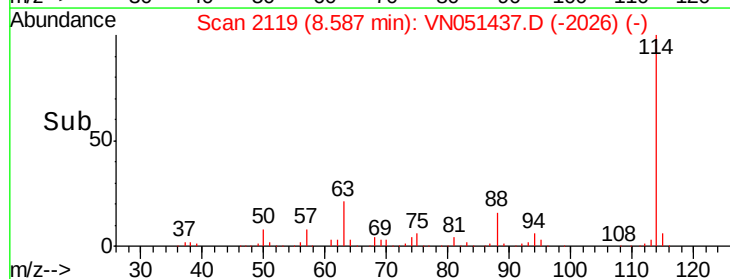
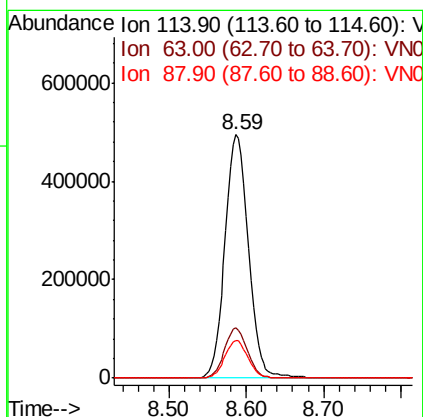
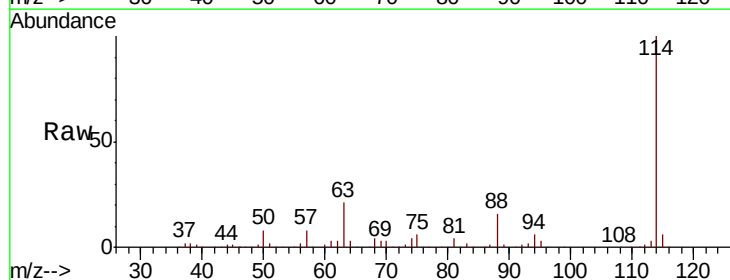
Instrument :
 MSVOA_N
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 PB113124ZHE#08

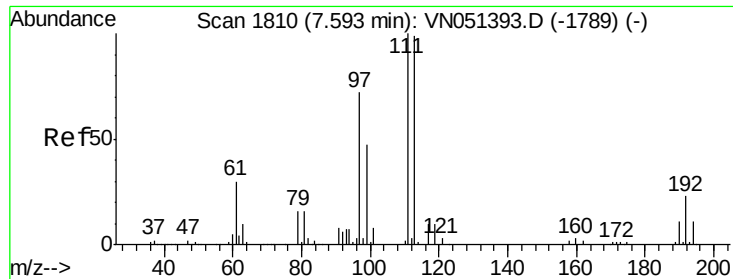
Tgt Ion: 65 Resp: 455072
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051437.D
 Acq: 24 Sep 2018 1:49

Tgt Ion: 114 Resp: 1041381
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.2
 88 15.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 47.516 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN051437.D

Acq: 24 Sep 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#08

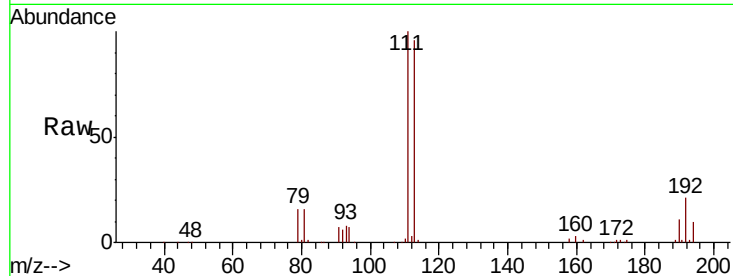
Tgt Ion:113 Resp: 395684

Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

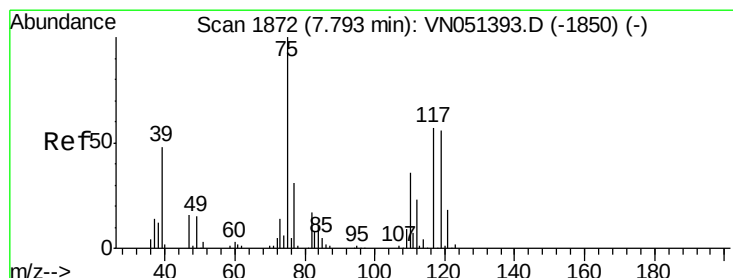
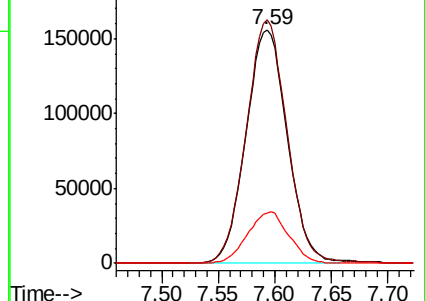
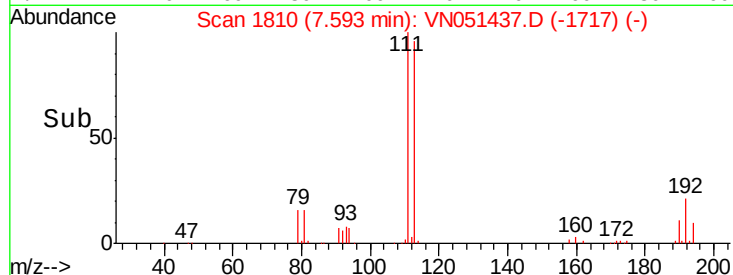
192 22.2 18.0 27.0



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: 3.839 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN051437.D

Acq: 24 Sep 2018 1:49

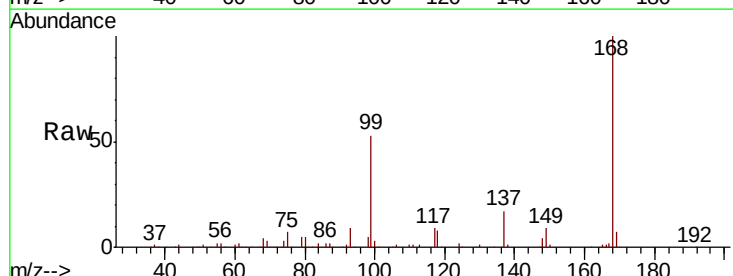
Tgt Ion: 75 Resp: 46292

Ion Ratio Lower Upper

75 100

110 8.6 18.1 54.3#

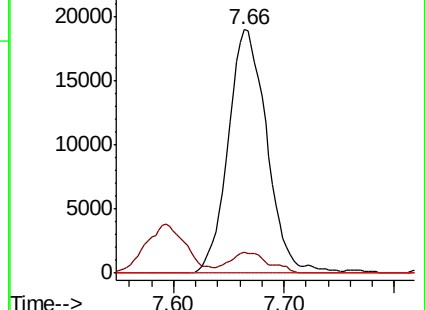
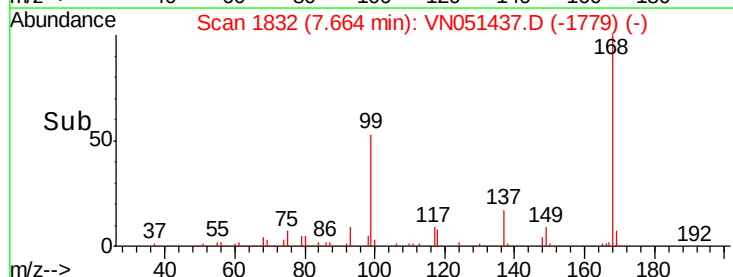
77 0.0 25.6 38.4#

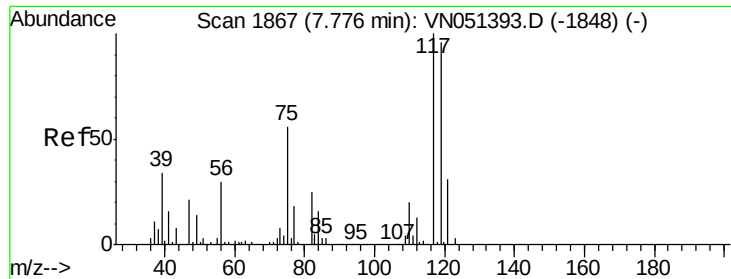


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





#38

Carbon Tetrachloride

Concen: 4.783 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.11 min

Lab File: VN051437.D

Acq: 24 Sep 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#08

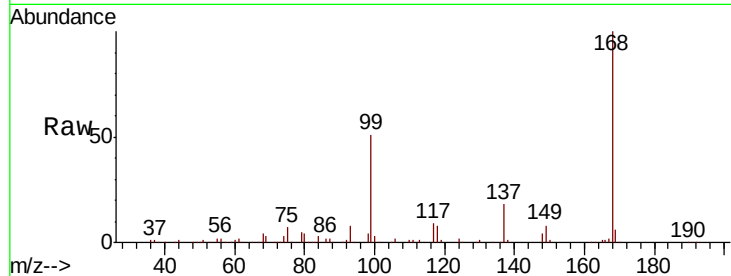
Tgt Ion:117 Resp: 60331

Ion Ratio Lower Upper

117 100

119 5.9 76.9 115.3#

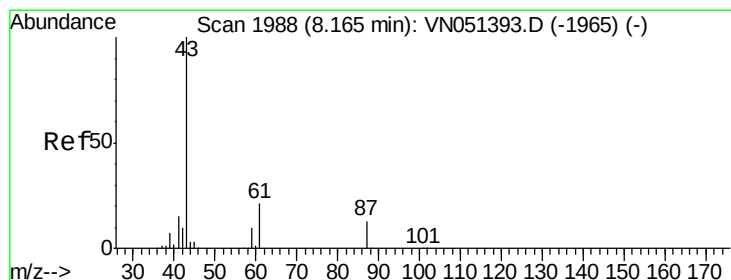
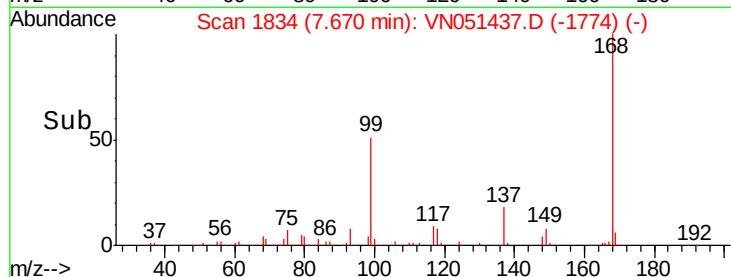
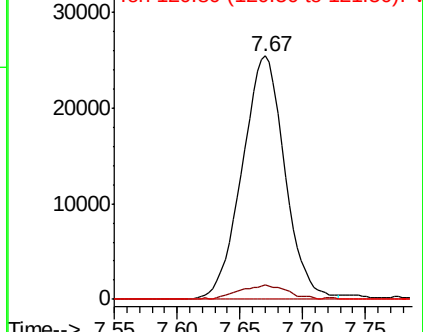
121 0.0 24.6 37.0#



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: 22.460 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051437.D

Acq: 24 Sep 2018 1:49

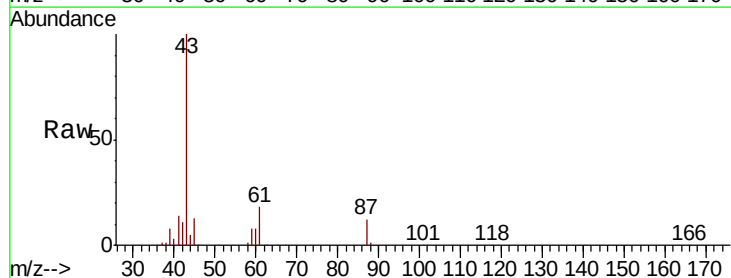
Tgt Ion: 43 Resp: 281608

Ion Ratio Lower Upper

43 100

61 16.7 16.8 25.2#

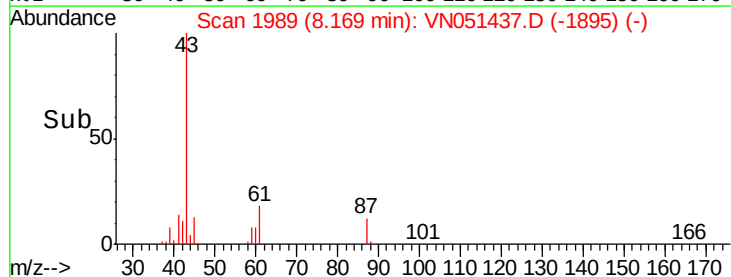
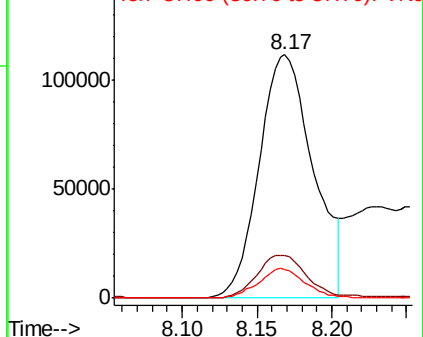
87 10.5 10.7 16.1#

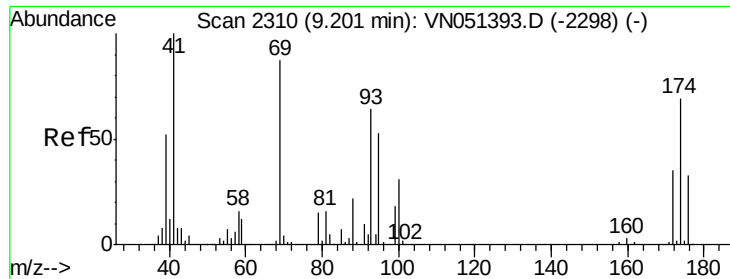


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#48

Methyl methacrylate

Concen: 0.934 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN051437.D

Acq: 24 Sep 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#08

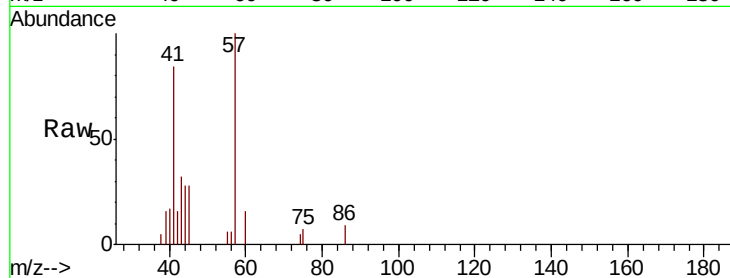
Tgt Ion: 41 Resp: 5836

Ion Ratio Lower Upper

41 100

69 0.0 70.4 105.6#

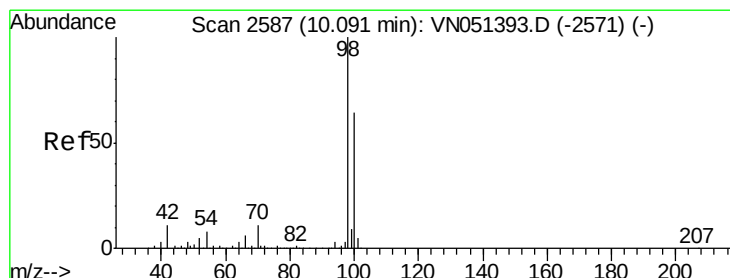
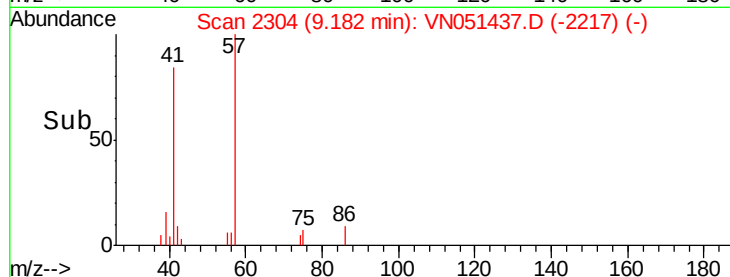
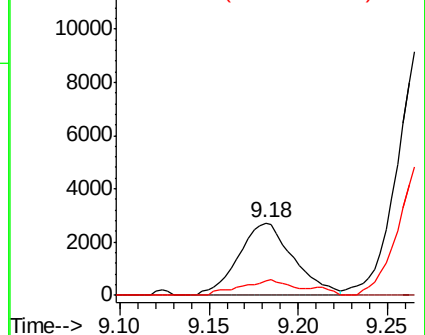
39 19.7 43.8 65.8#



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: 45.837 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051437.D

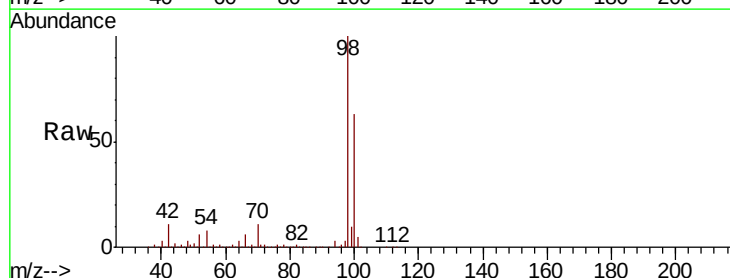
Acq: 24 Sep 2018 1:49

Tgt Ion: 98 Resp: 1437382

Ion Ratio Lower Upper

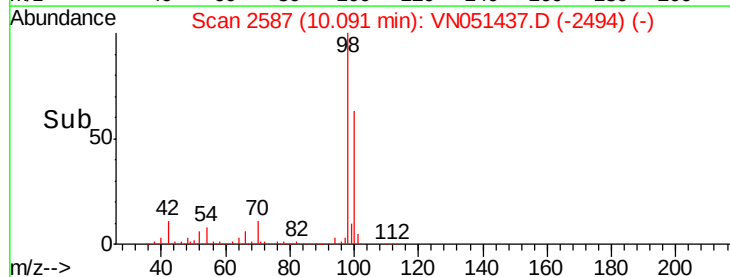
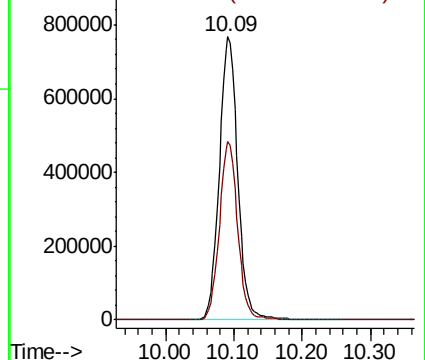
98 100

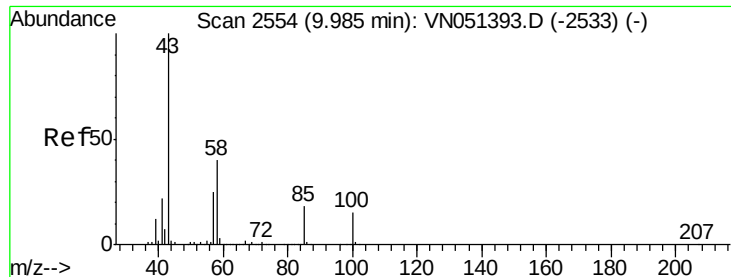
100 62.5 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

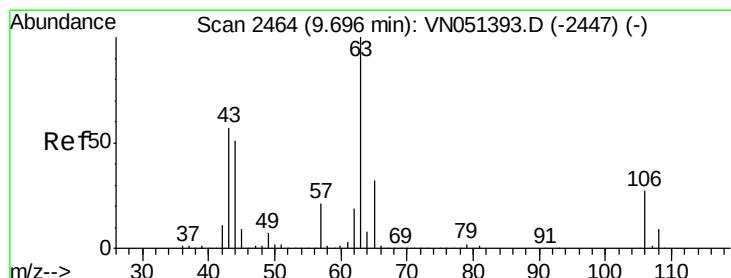
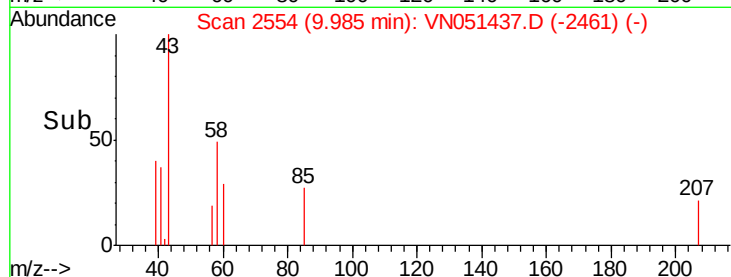
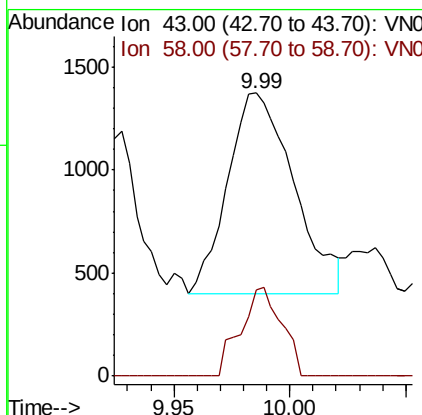
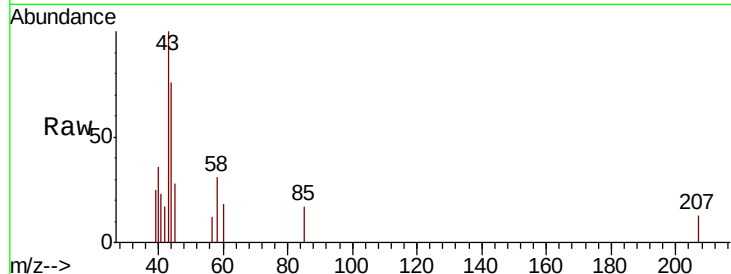




#51
 4-Methyl-2-Pentanone
 Concen: 0.278 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN051437.D
 Acq: 24 Sep 2018 1:49

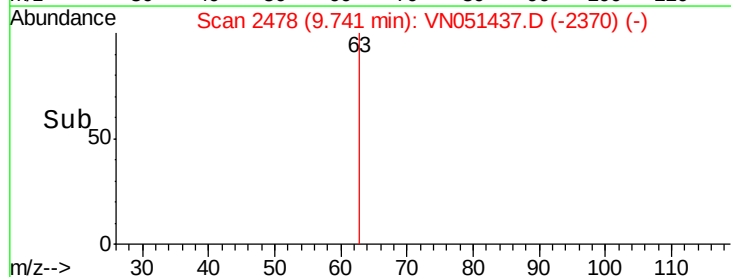
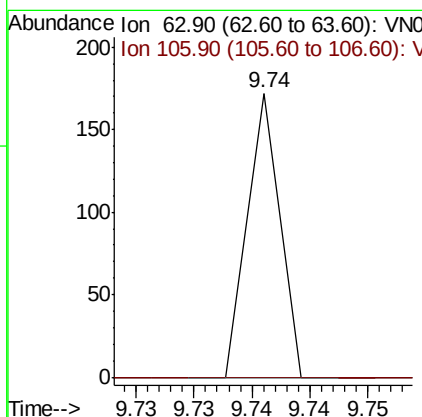
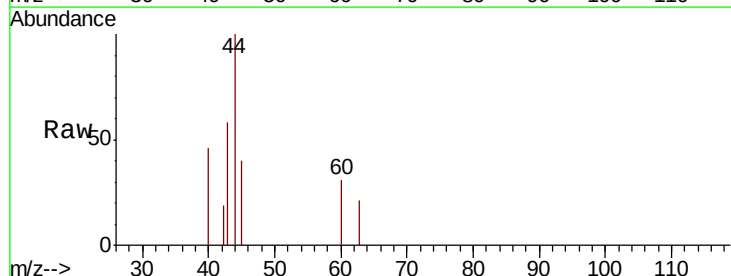
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113124ZHE#08

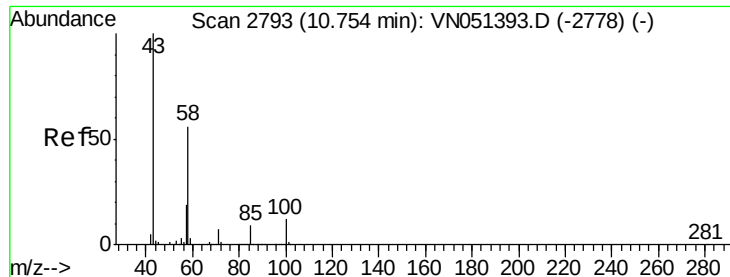
Tgt Ion: 43 Resp: 1918
 Ion Ratio Lower Upper
 43 100
 58 27.4 31.5 47.3#



#58
 2-Chloroethyl Vinyl ether
 Concen: 20.375 ug/l
 RT: 9.74 min Scan# 2478
 Delta R.T. 0.05 min
 Lab File: VN051437.D
 Acq: 24 Sep 2018 1:49

Tgt Ion: 63 Resp: 33
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.4 32.2#

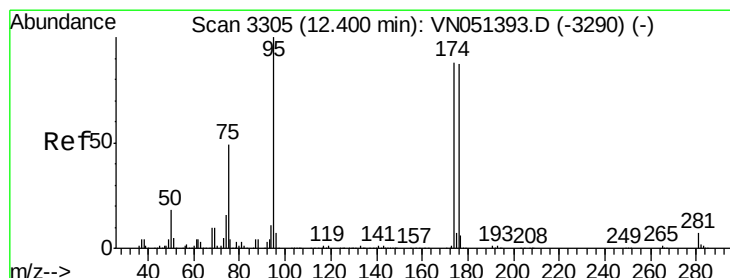
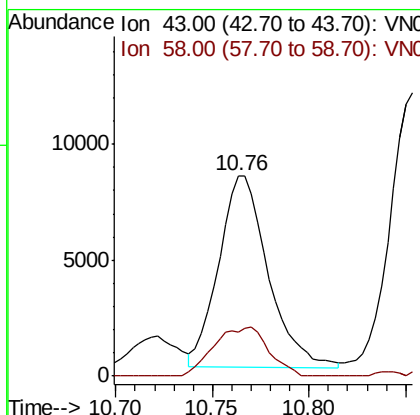
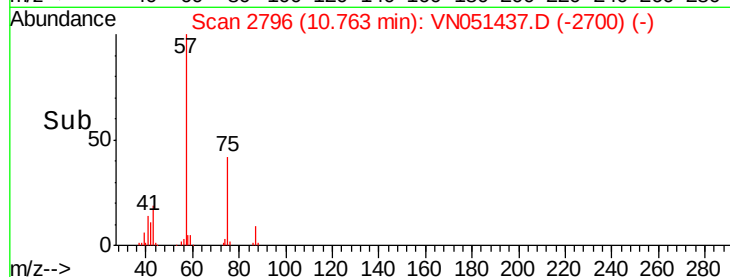
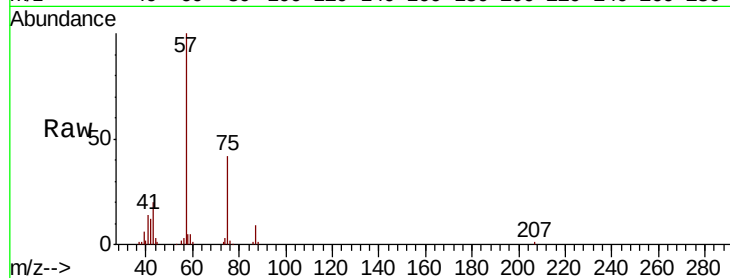




#59
2-Hexanone
Concen: 3.277 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN051437.D
Acq: 24 Sep 2018 1:49

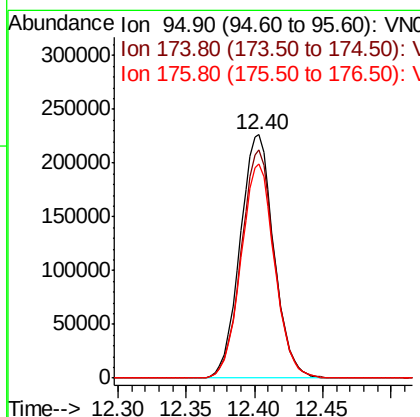
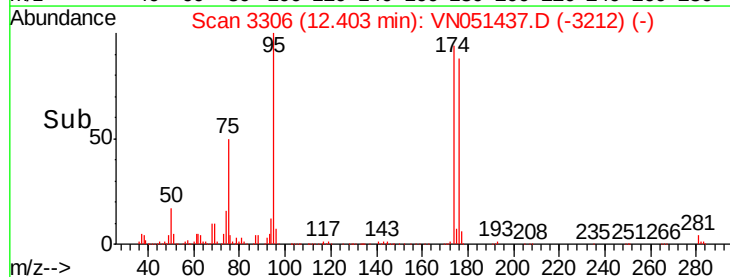
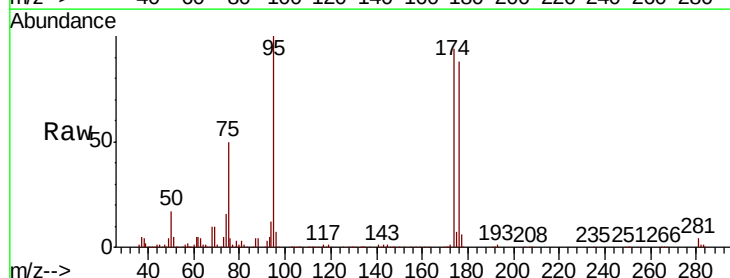
Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#08

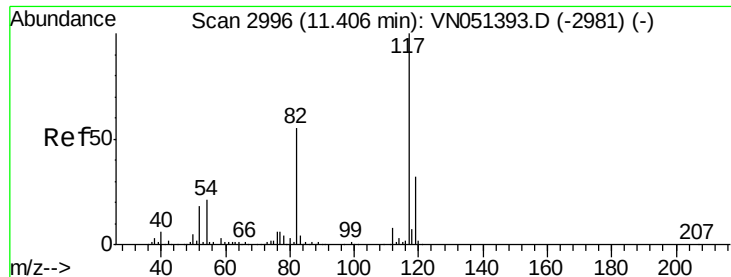
Tgt Ion: 43 Resp: 14649
Ion Ratio Lower Upper
43 100
58 28.2 27.7 83.0



#62
4-Bromofluorobenzene
Concen: 38.230 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051437.D
Acq: 24 Sep 2018 1:49

Tgt Ion: 95 Resp: 387821
Ion Ratio Lower Upper
95 100
174 92.6 0.0 181.6
176 87.7 0.0 176.4

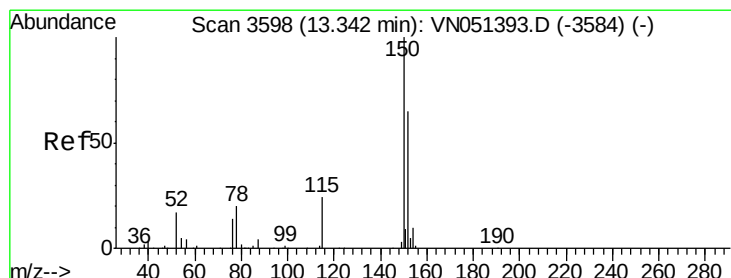
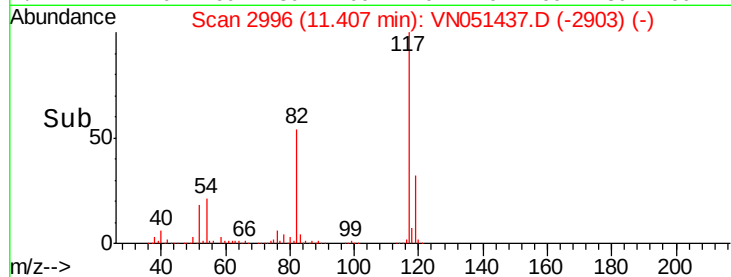
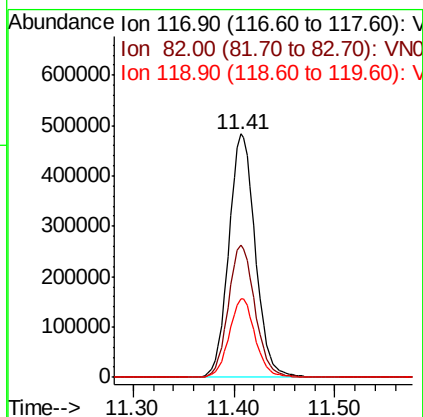
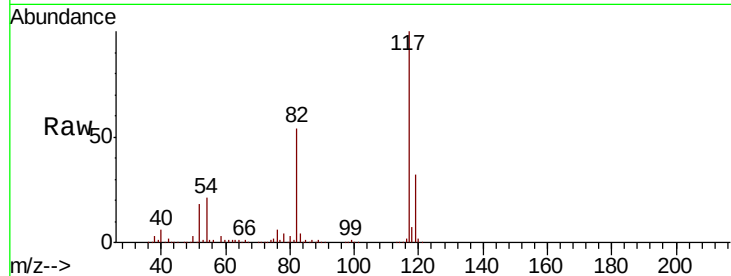




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051437.D
Acq: 24 Sep 2018 1:49

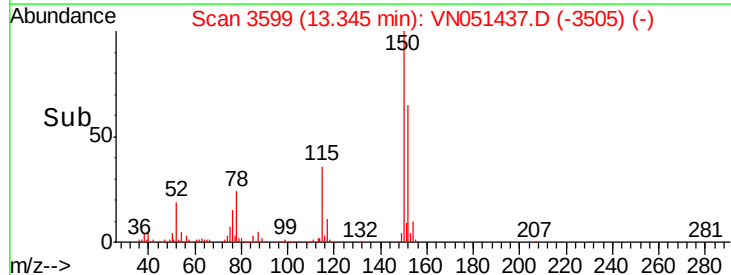
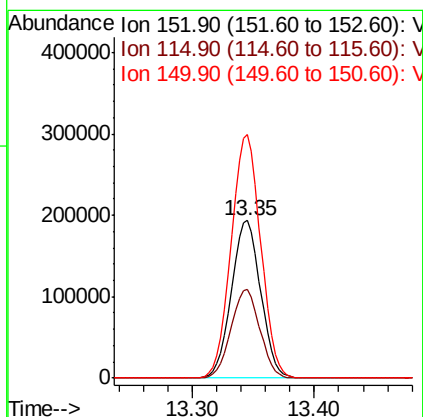
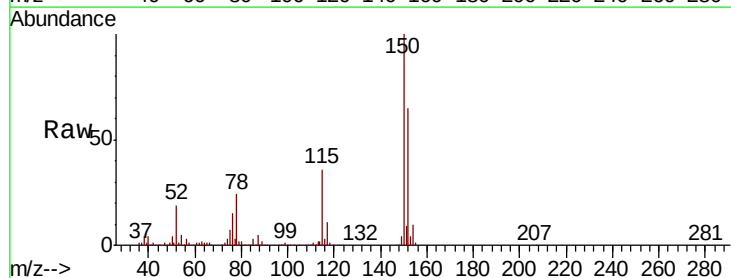
Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#08

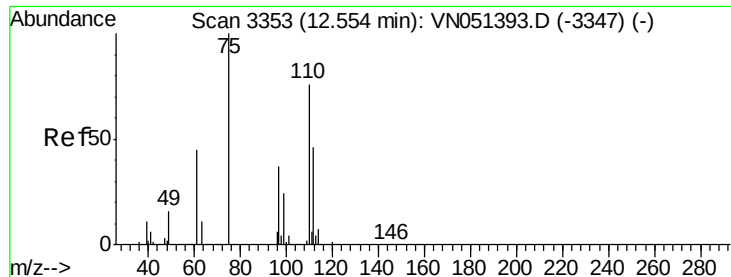
Tgt Ion:117 Resp: 883160
Ion Ratio Lower Upper
117 100
82 54.3 44.2 66.2
119 32.1 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051437.D
Acq: 24 Sep 2018 1:49

Tgt Ion:152 Resp: 322873
Ion Ratio Lower Upper
152 100
115 55.7 28.3 84.9
150 155.6 0.0 353.6





#76

1,2,3-Trichloropropane

Concen: 35.927 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051437.D

Acq: 24 Sep 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

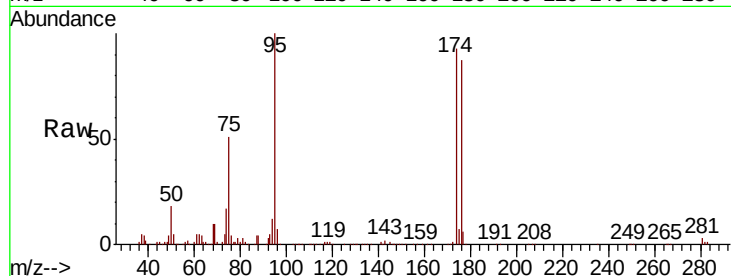
PB113124ZHE#08

Tgt Ion: 75 Resp: 192566

Ion Ratio Lower Upper

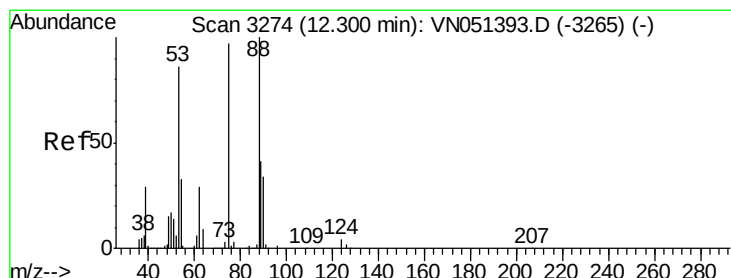
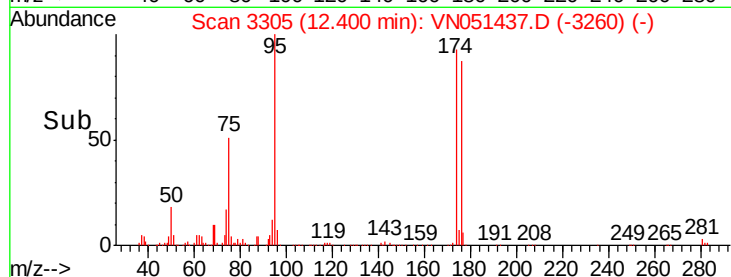
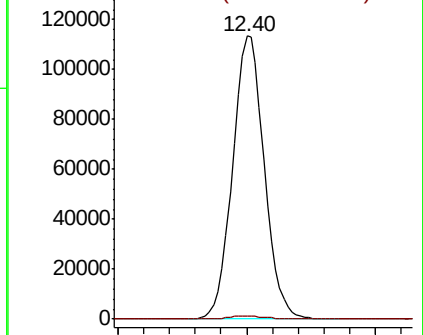
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 110.474 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051437.D

Acq: 24 Sep 2018 1:49

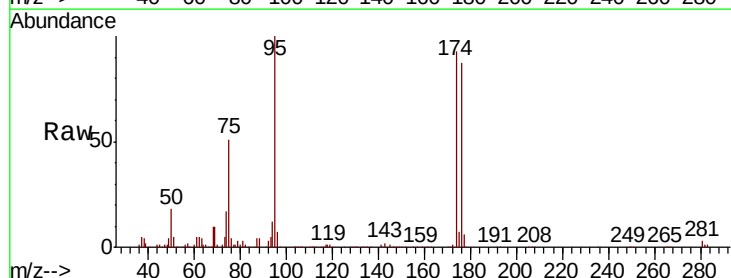
Tgt Ion: 75 Resp: 192566

Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

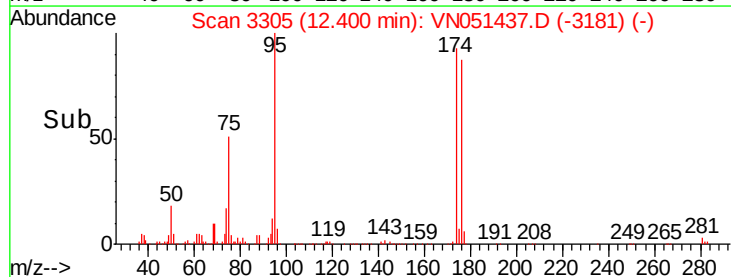
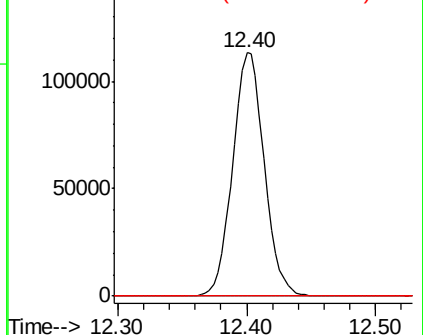
89 0.1 36.7 55.1#

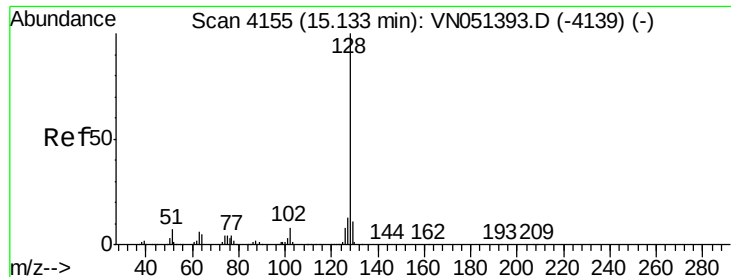


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95

Naphthalene

Concen: 8.049 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051437.D

Acq: 24 Sep 2018 1:49

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#08

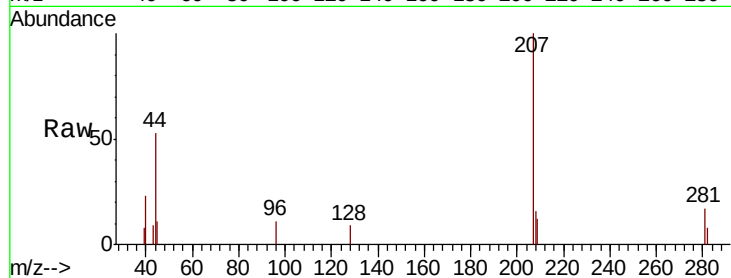
Tgt Ion:128 Resp: 62

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

