

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
 Data File : VN051432.D
 Acq On : 23 Sep 2018 23:46
 Operator : MD\SY
 Sample : PB113124ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113124ZHE#03

Quant Time: Sep 24 06:50:23 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	759395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1237785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1036983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	355781	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	534245	56.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.32%	
35) Dibromofluoromethane	7.59	113	480132	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
50) Toluene-d8	10.09	98	1727391	46.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.70%	
62) 4-Bromofluorobenzene	12.40	95	456562	37.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.74%	

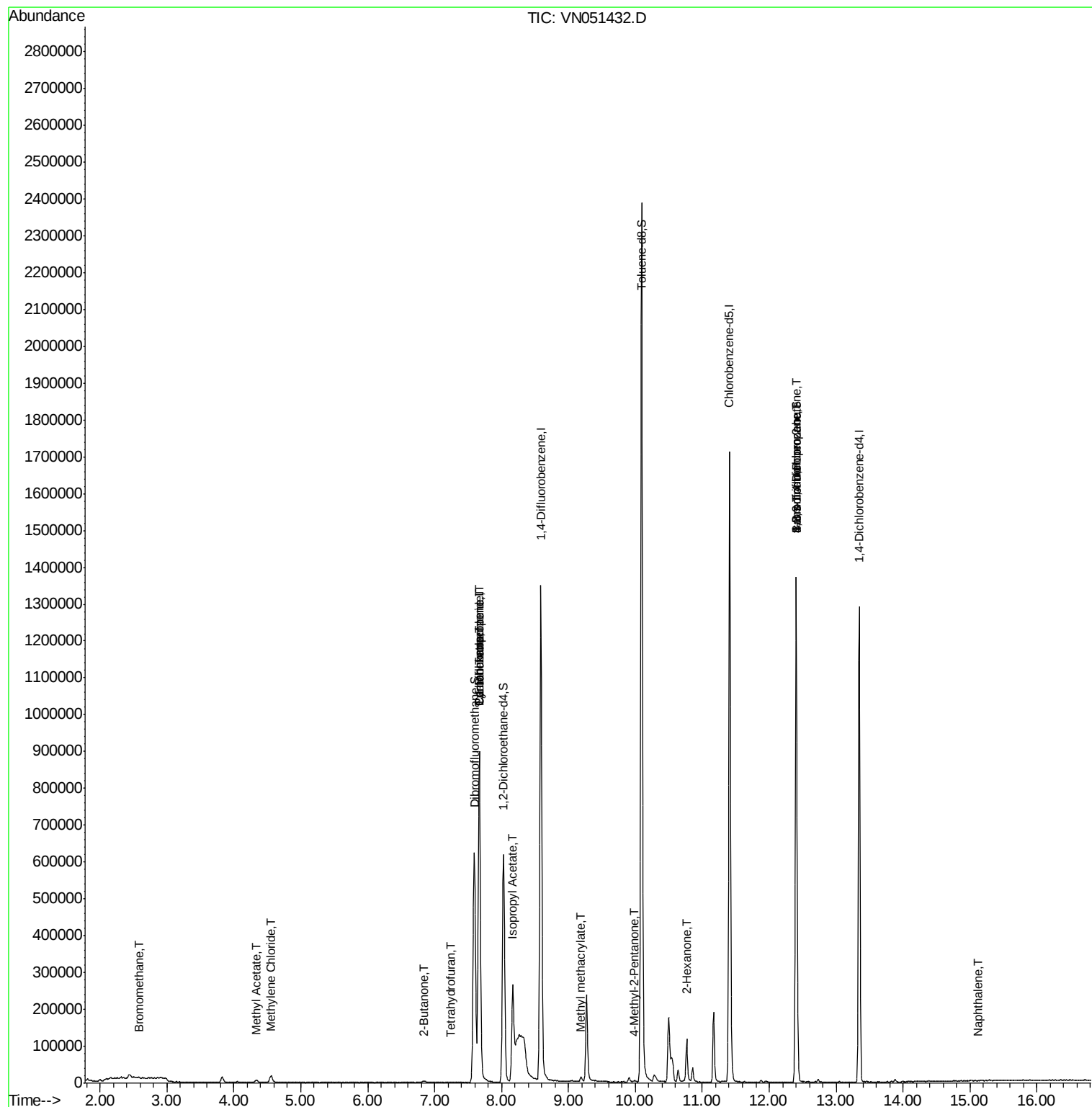
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	1583	0.271	ug/l	99
16) Acetone	3.82	43	22646	Below Cal		96
18) Methyl Acetate	4.34	43	14500	2.001	ug/l	96
20) Methylene Chloride	4.56	84	13670	1.452	ug/l	95
25) 2-Butanone	6.84	43	5897	1.811	ug/l #	89
29) Tetrahydrofuran	7.22	42	1347	0.653	ug/l #	61
31) Cyclohexane	7.67	56	14588	0.974	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	54644	3.812	ug/l #	48
38) Carbon Tetrachloride	7.67	117	68672	4.580	ug/l #	17
43) Isopropyl Acetate	8.17	43	345286	23.169	ug/l	92
48) Methyl methacrylate	9.18	41	7507	1.010	ug/l #	23
51) 4-Methyl-2-Pentanone	9.99	43	1949	0.238	ug/l #	80
59) 2-Hexanone	10.77	43	17678	3.327	ug/l #	60
71) Bromoform	12.40	173	4721	0.686	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	225949	38.256	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	225949	117.635	ug/l #	13
95) Naphthalene	15.13	128	689	8.088	ug/l #	69

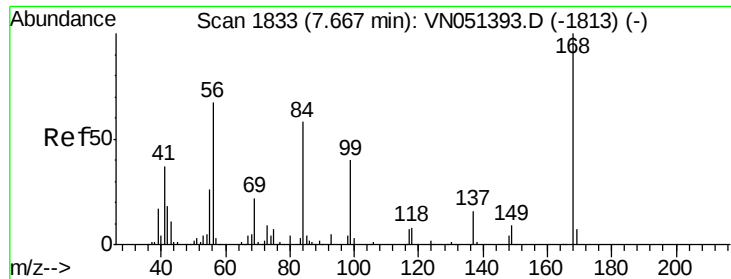
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
Data File : VN051432.D
Acq On : 23 Sep 2018 23:46
Operator : MD\SY
Sample : PB113124ZHE#03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#03

Quant Time: Sep 24 06:50:23 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051432.D

Acq: 23 Sep 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

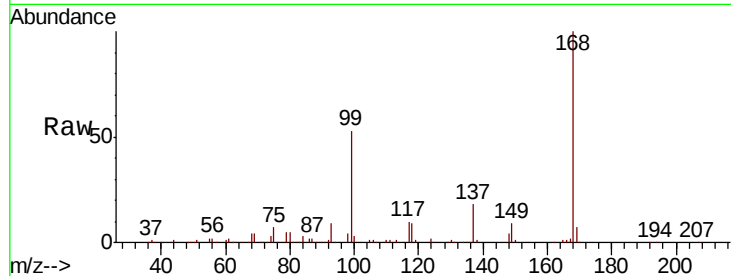
PB113124ZHE#03

Tgt Ion: 168 Resp: 759395

Ion Ratio Lower Upper

168 100

99 52.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051432.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN051432.D (-1740) (-)

7.67

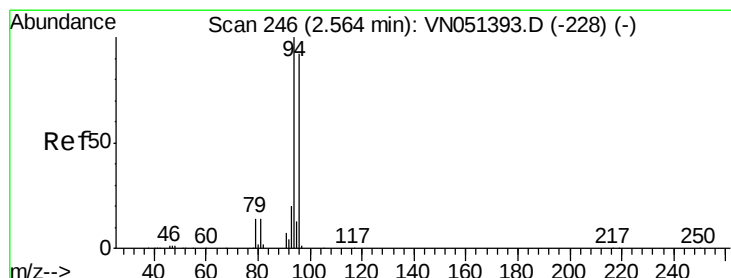
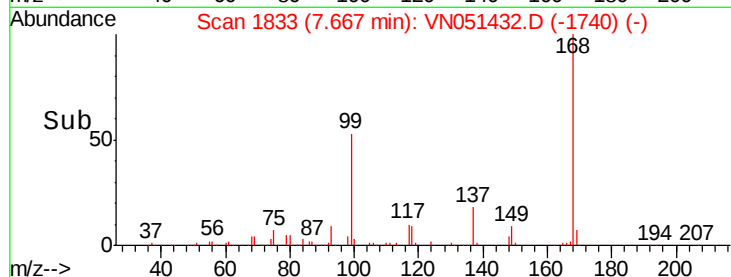
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#5

Bromomethane

Concen: 0.271 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN051432.D

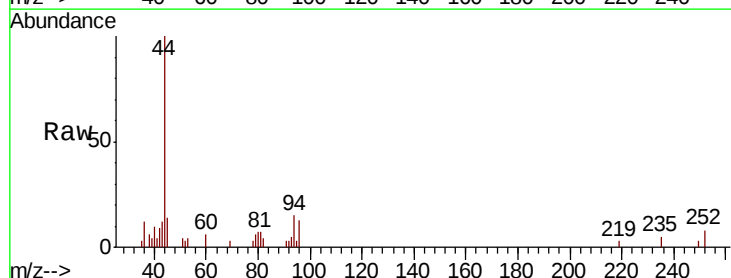
Acq: 23 Sep 2018 23:46

Tgt Ion: 94 Resp: 1583

Ion Ratio Lower Upper

94 100

96 90.6 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN051432.D (-153) (-)

Ion 95.90 (95.60 to 96.60): VN051432.D (-153) (-)

2.57

1000

800

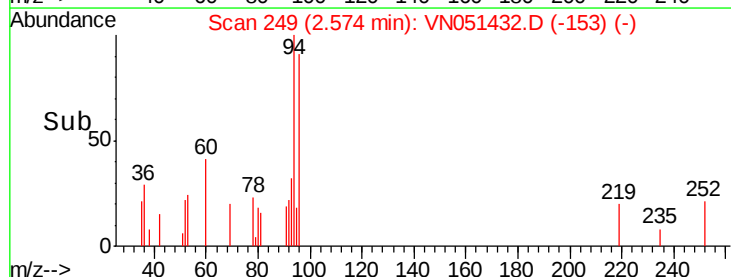
600

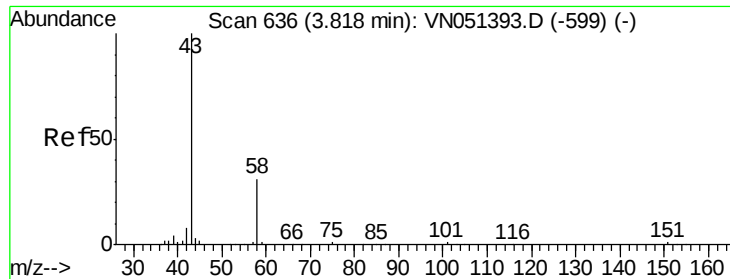
400

200

0

Time--> 2.55 2.60





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051432.D

Acq: 23 Sep 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

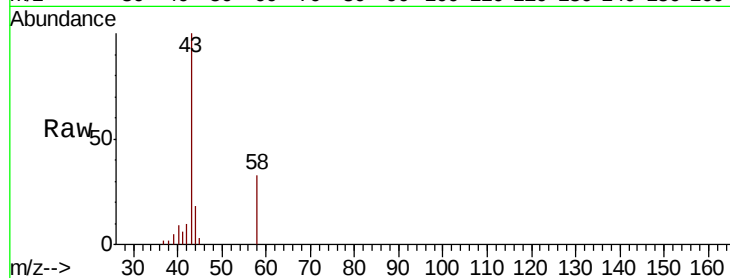
PB113124ZHE#03

Tgt Ion: 43 Resp: 22646

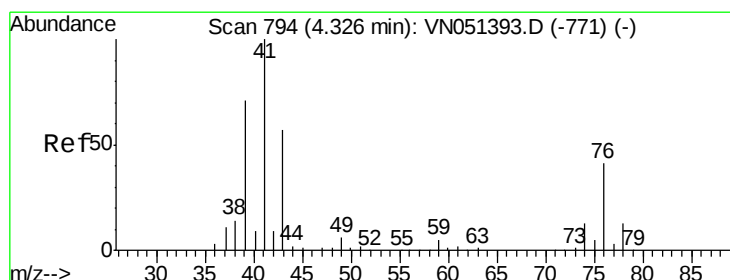
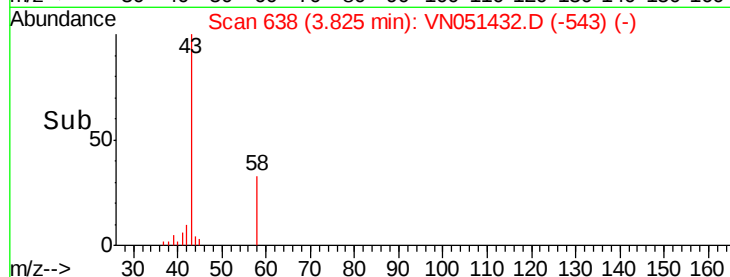
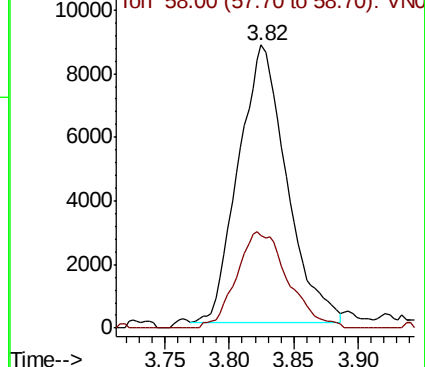
Ion Ratio Lower Upper

43 100

58 33.3 25.0 37.4



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



#18

Methyl Acetate

Concen: 2.001 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN051432.D

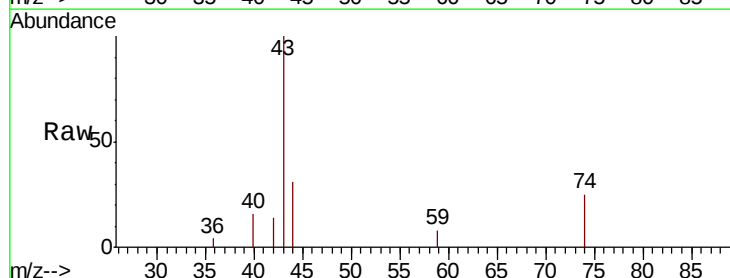
Acq: 23 Sep 2018 23:46

Tgt Ion: 43 Resp: 14500

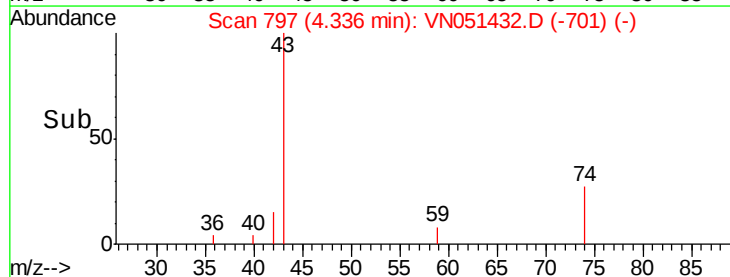
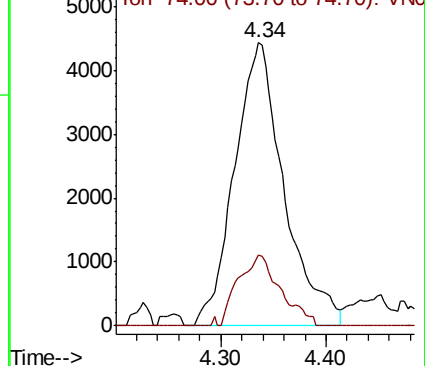
Ion Ratio Lower Upper

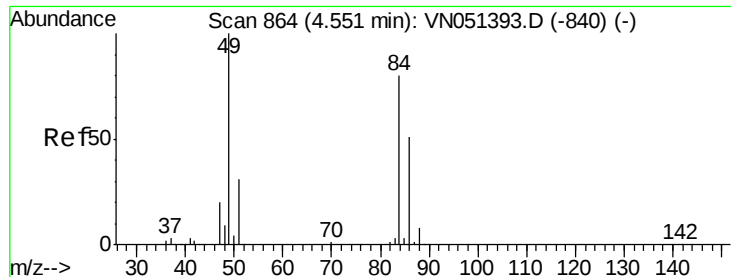
43 100

74 21.3 18.8 28.2



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

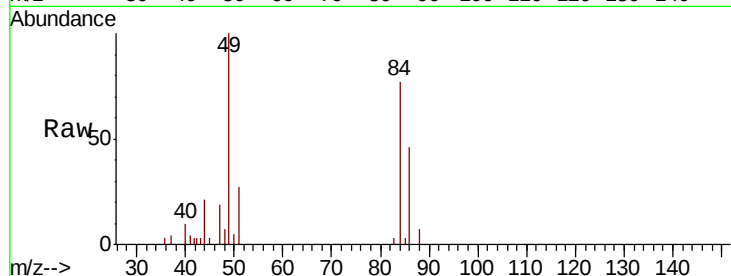




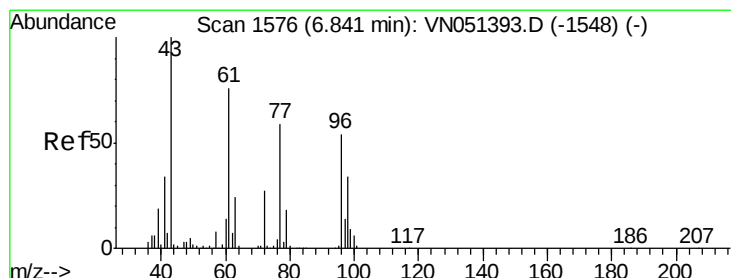
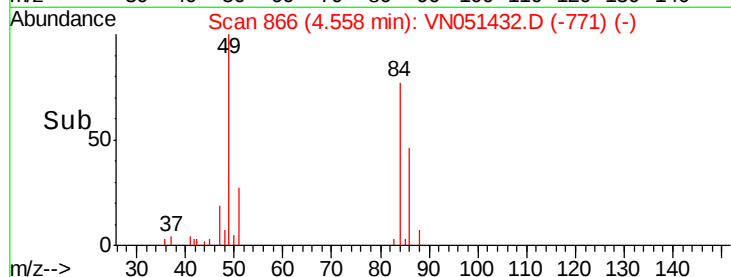
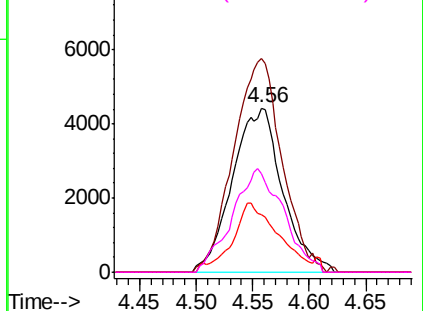
#20
Methylene Chloride
Concen: 1.452 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN051432.D
Acq: 23 Sep 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#03

Tgt Ion: 84 Resp: 13670
Ion Ratio Lower Upper
84 100
49 130.3 99.9 149.9
51 35.0 31.4 47.2
86 60.5 50.9 76.3

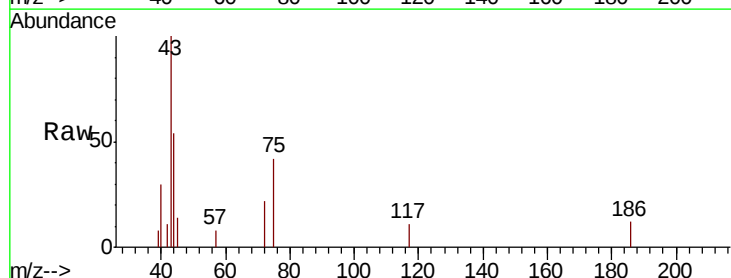


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

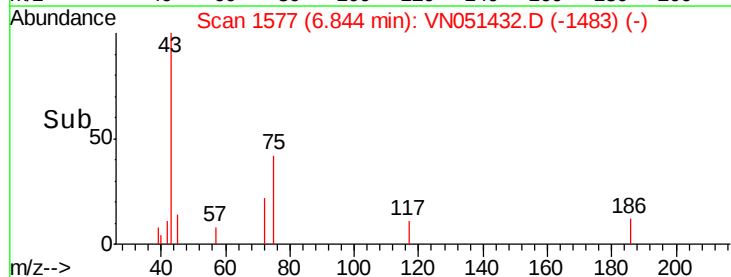
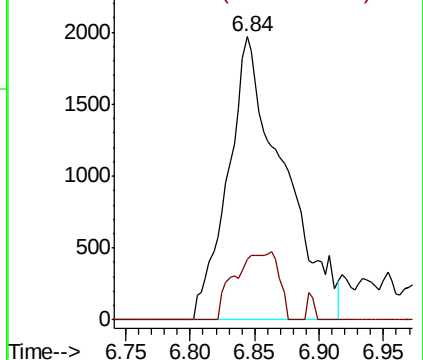


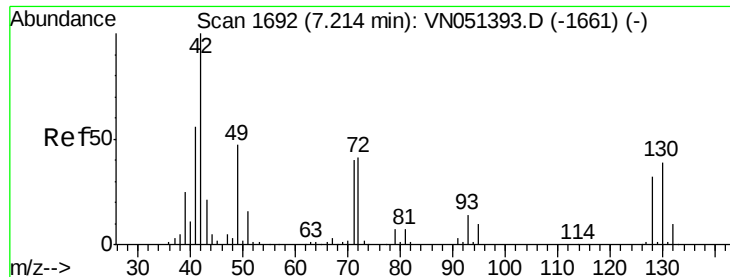
#25
2-Butanone
Concen: 1.811 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN051432.D
Acq: 23 Sep 2018 23:46

Tgt Ion: 43 Resp: 5897
Ion Ratio Lower Upper
43 100
72 21.5 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.653 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VN051432.D

Acq: 23 Sep 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#03

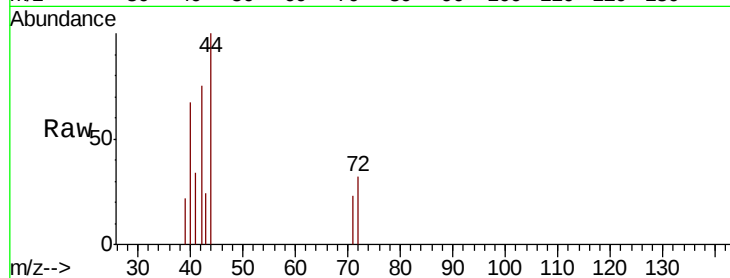
Tgt Ion: 42 Resp: 1347

Ion Ratio Lower Upper

42 100

72 19.0 34.3 51.5#

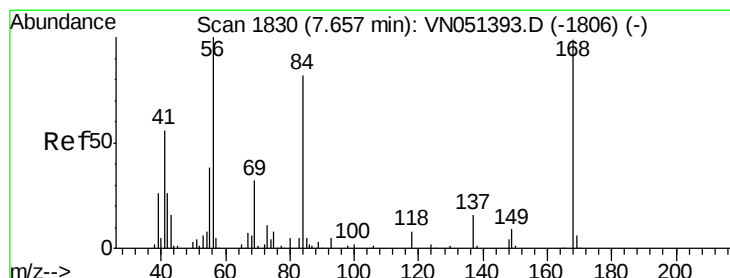
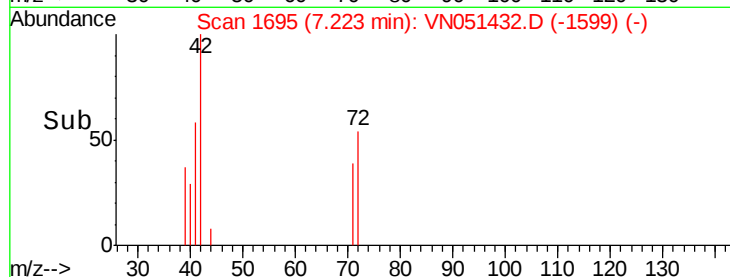
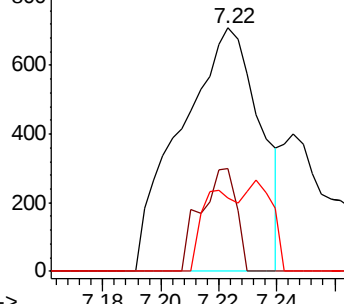
71 15.0 32.2 48.4#



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: 0.974 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051432.D

Acq: 23 Sep 2018 23:46

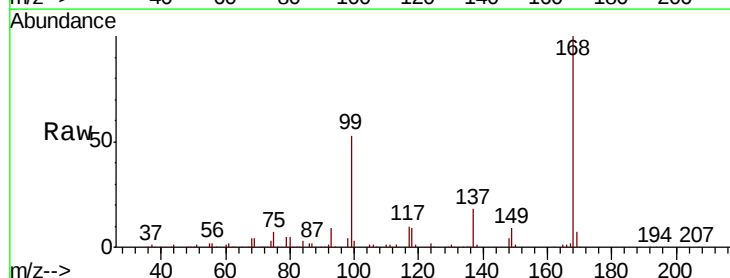
Tgt Ion: 56 Resp: 14588

Ion Ratio Lower Upper

56 100

69 192.9 25.8 38.6#

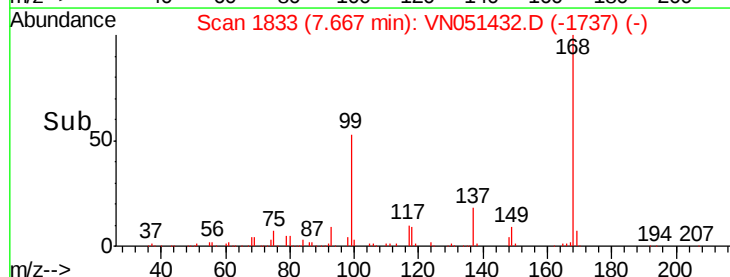
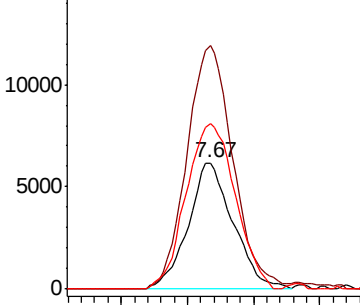
84 131.6 66.0 99.0#

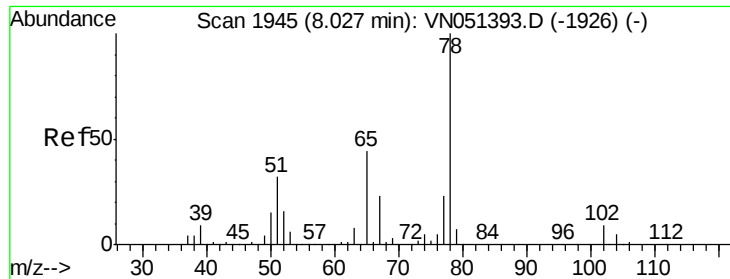


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

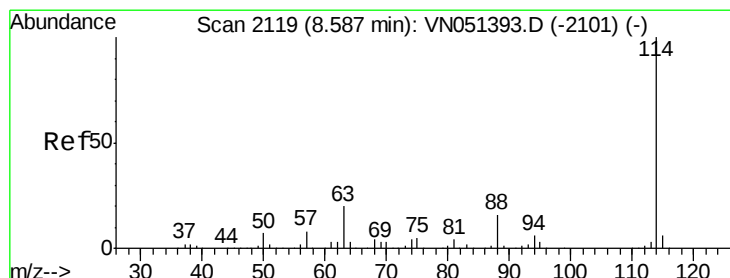
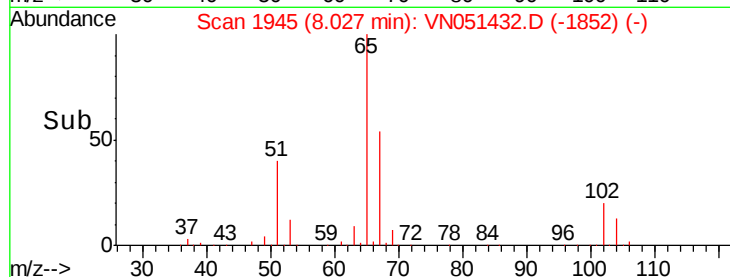
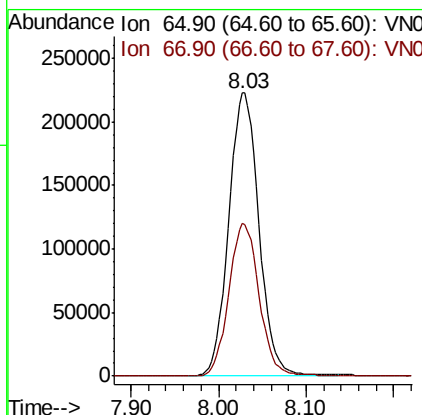
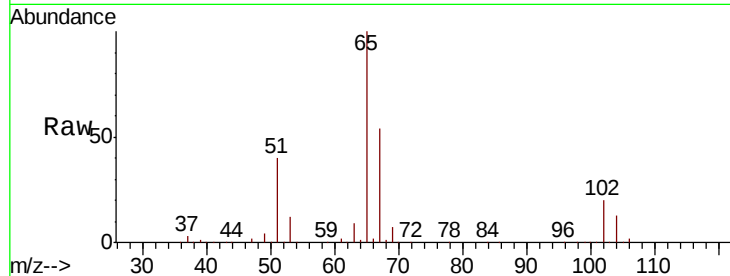




#33
 1,2-Dichloroethane-d4
 Concen: 56.161 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051432.D
 Acq: 23 Sep 2018 23:46

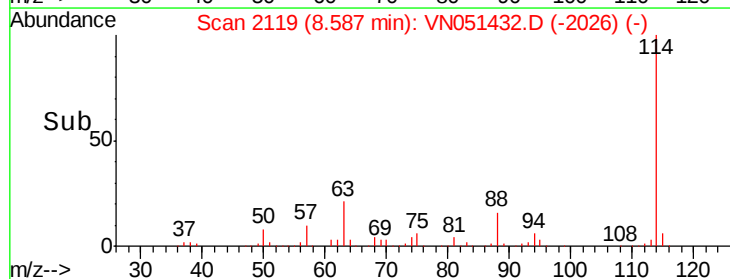
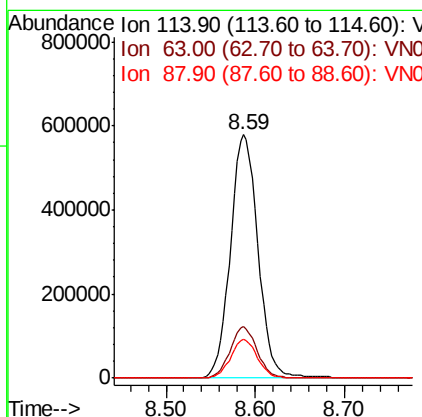
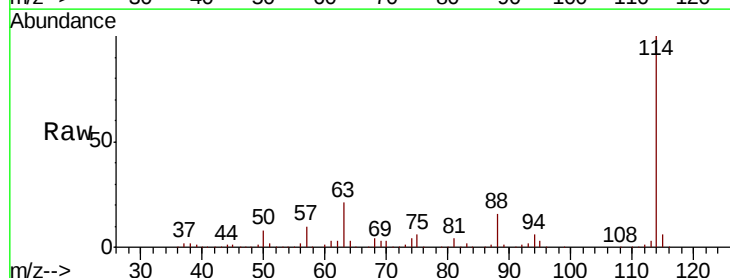
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113124ZHE#03

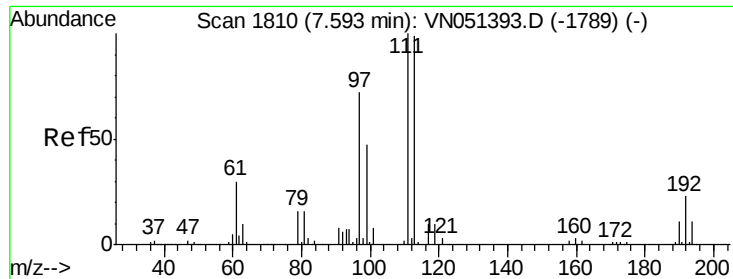
Tgt Ion: 65 Resp: 534245
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051432.D
 Acq: 23 Sep 2018 23:46

Tgt Ion: 114 Resp: 1237785
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.2
 88 15.8 0.0 31.4

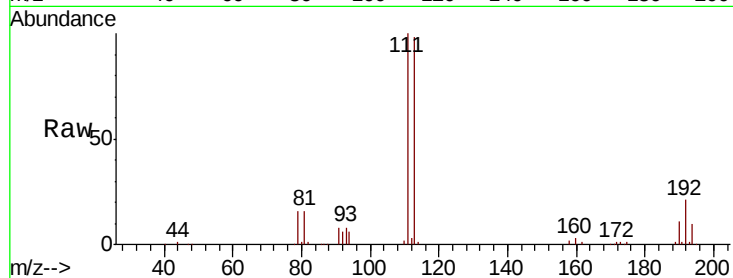




#35
 Dibromofluoromethane
 Concen: 48.508 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051432.D
 Acq: 23 Sep 2018 23:46

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113124ZHE#03

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.6	123.8
192	21.5	18.0	27.0

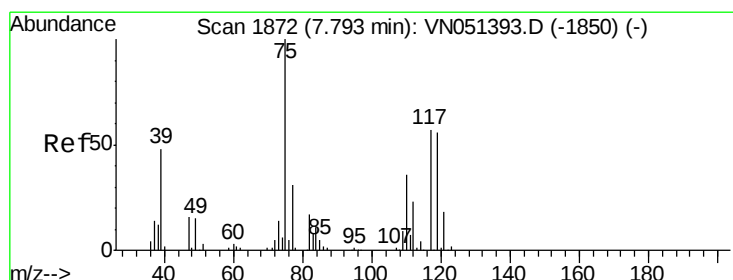
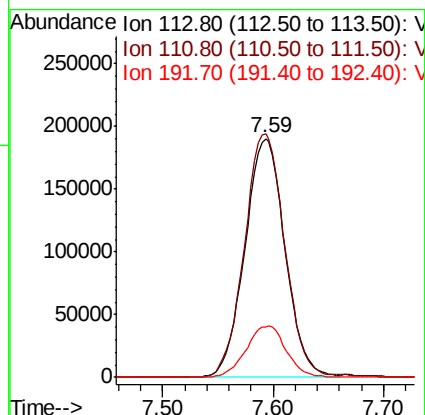
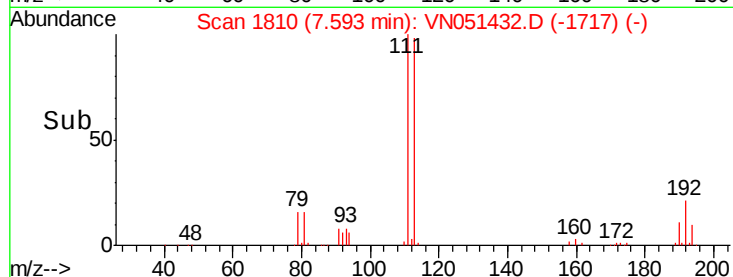


Abundance

Ion 112.80 (112.50 to 113.50): V

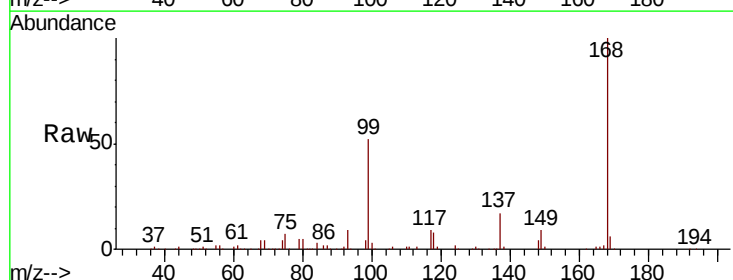
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 3.812 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.12 min
 Lab File: VN051432.D
 Acq: 23 Sep 2018 23:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	18.1	54.3#
77	0.0	25.6	38.4#

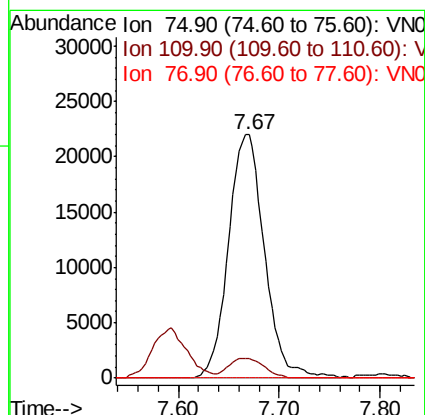
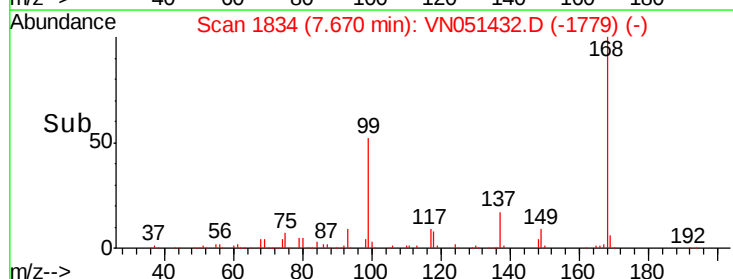


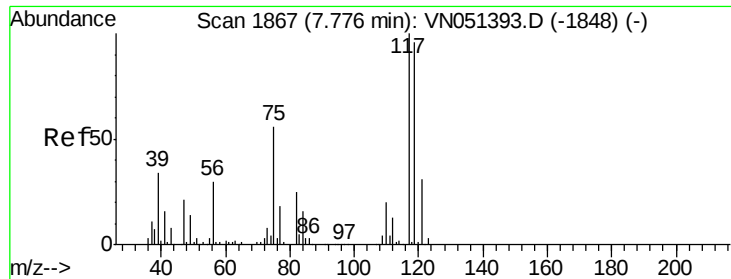
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 4.580 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051432.D

Acq: 23 Sep 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#03

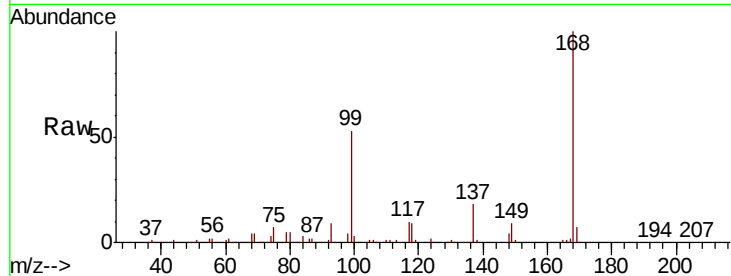
Tgt Ion:117 Resp: 68672

Ion Ratio Lower Upper

117 100

119 6.4 76.9 115.3#

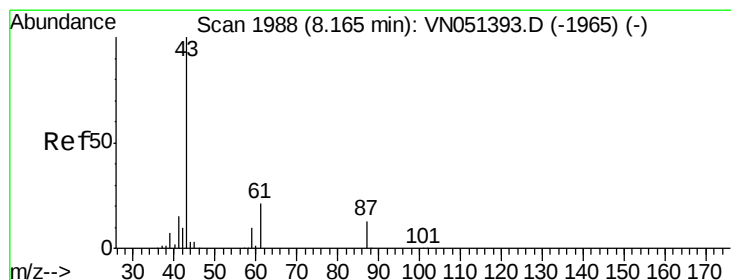
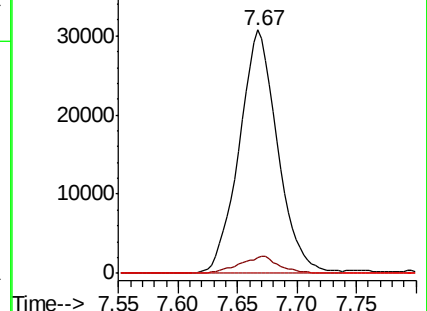
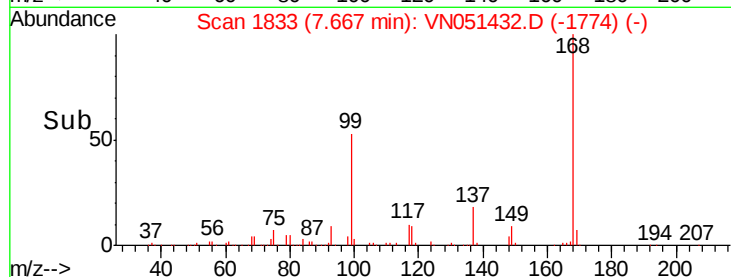
121 0.0 24.6 37.0#



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: 23.169 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051432.D

Acq: 23 Sep 2018 23:46

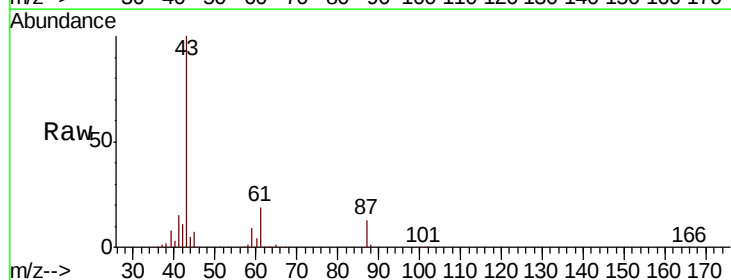
Tgt Ion: 43 Resp: 345286

Ion Ratio Lower Upper

43 100

61 17.0 16.8 25.2

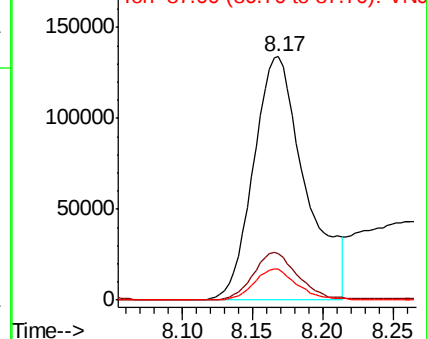
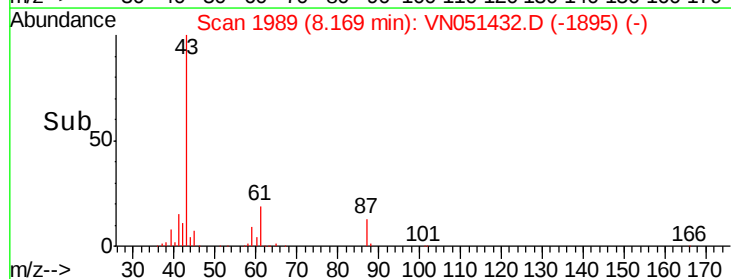
87 10.8 10.7 16.1

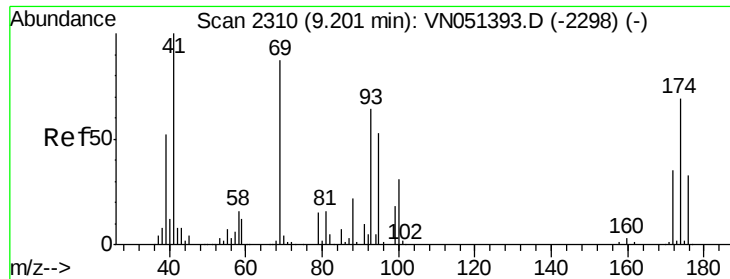


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

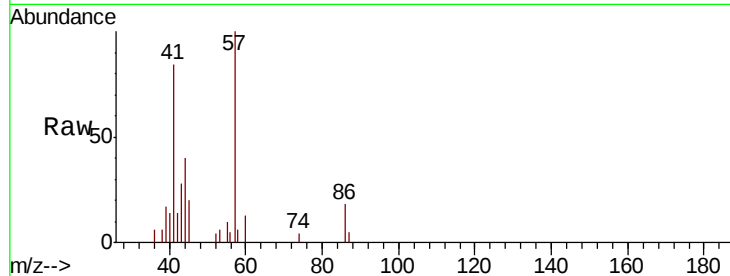




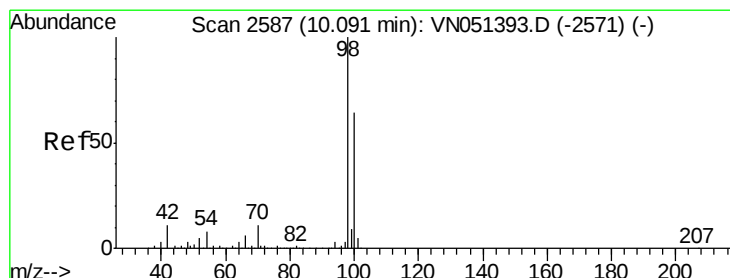
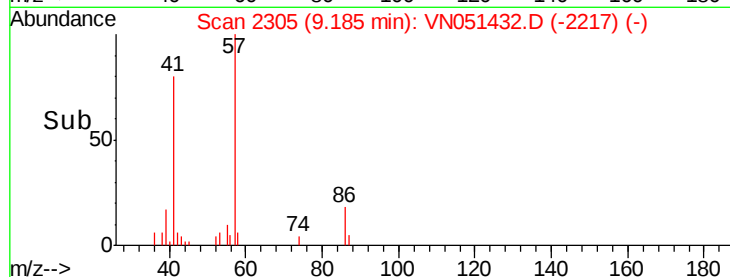
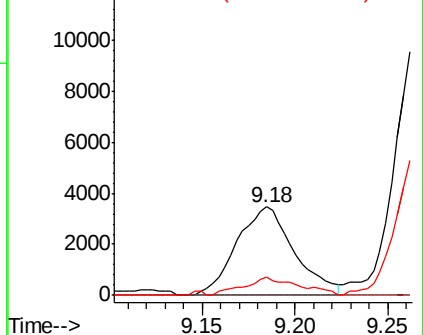
#48
Methyl methacrylate
Concen: 1.010 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.02 min
Lab File: VN051432.D
Acq: 23 Sep 2018 23:46

Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#03

Tgt Ion: 41 Resp: 7507
Ion Ratio Lower Upper
41 100
69 0.0 70.4 105.6#
39 19.5 43.8 65.8#

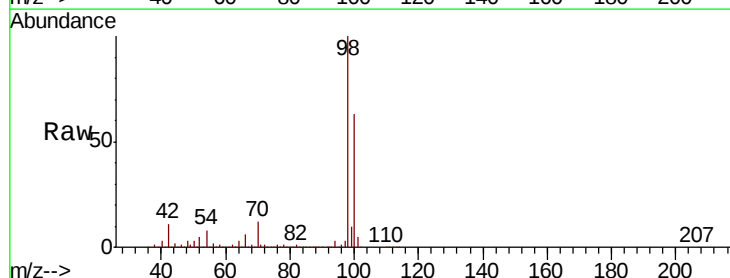


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

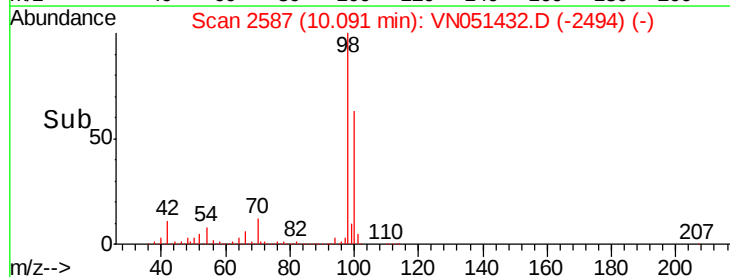
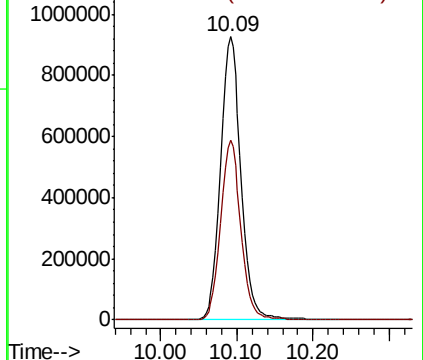


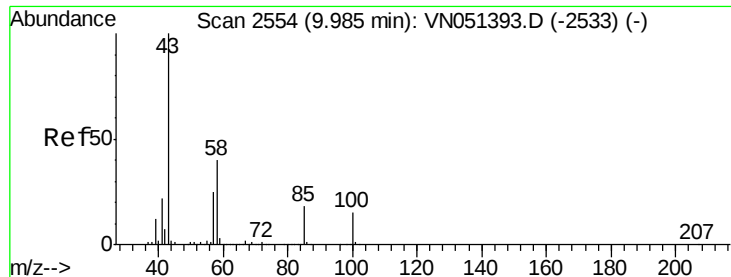
#50
Toluene-d8
Concen: 46.345 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051432.D
Acq: 23 Sep 2018 23:46

Tgt Ion: 98 Resp: 1727391
Ion Ratio Lower Upper
98 100
100 63.0 50.6 75.8



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

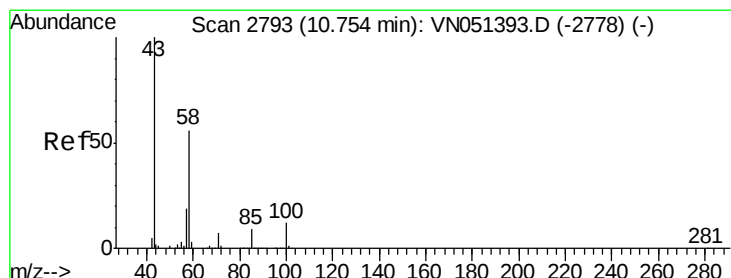
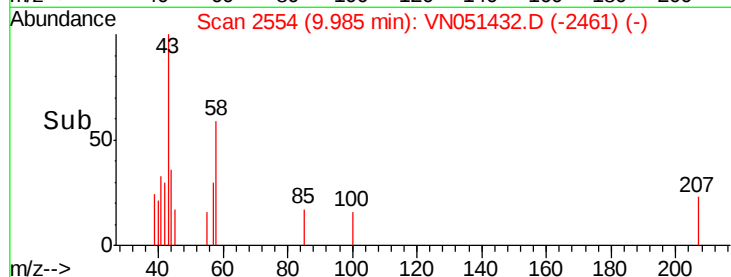
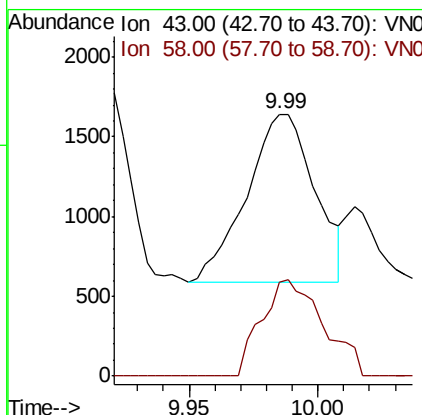
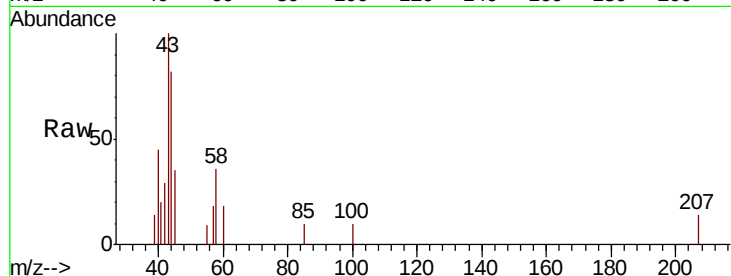




#51
 4-Methyl-2-Pentanone
 Concen: 0.238 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051432.D
 Acq: 23 Sep 2018 23:46

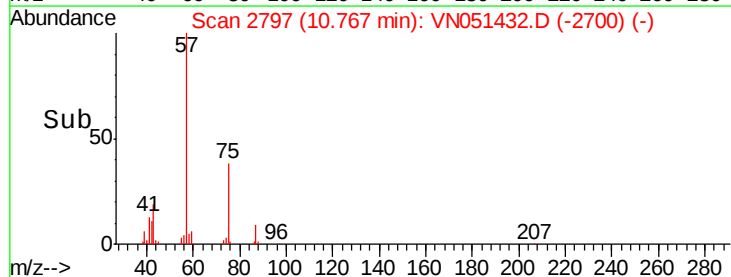
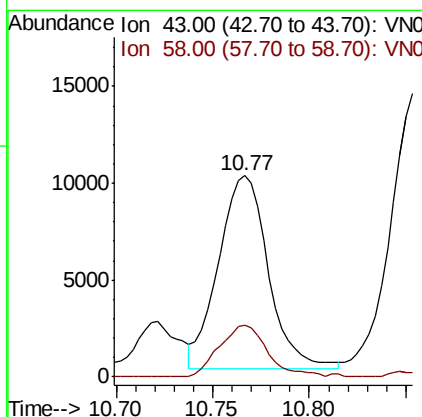
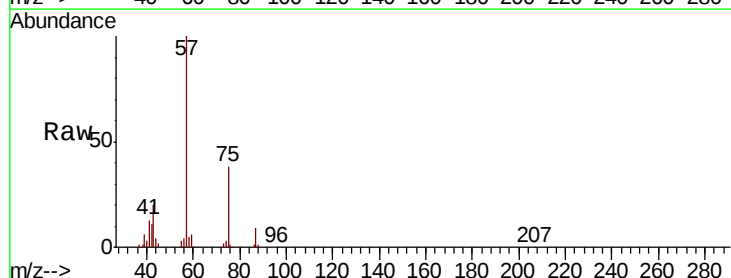
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113124ZHE#03

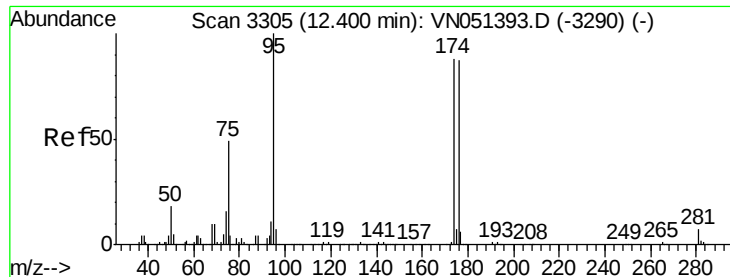
Tgt Ion: 43 Resp: 1949
 Ion Ratio Lower Upper
 43 100
 58 51.7 31.5 47.3#



#59
 2-Hexanone
 Concen: 3.327 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN051432.D
 Acq: 23 Sep 2018 23:46

Tgt Ion: 43 Resp: 17678
 Ion Ratio Lower Upper
 43 100
 58 26.3 27.7 83.0#





#62

4-Bromofluorobenzene

Concen: 37.865 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051432.D

Acq: 23 Sep 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#03

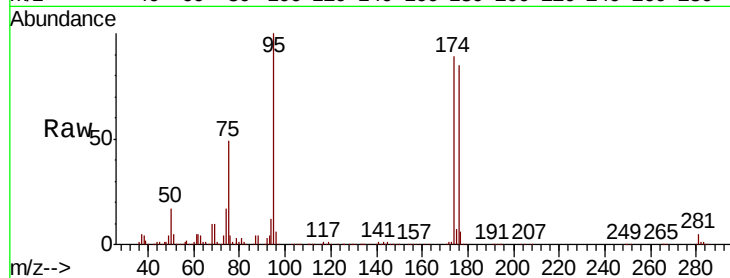
Tgt Ion: 95 Resp: 456562

Ion Ratio Lower Upper

95 100

174 89.7 0.0 181.6

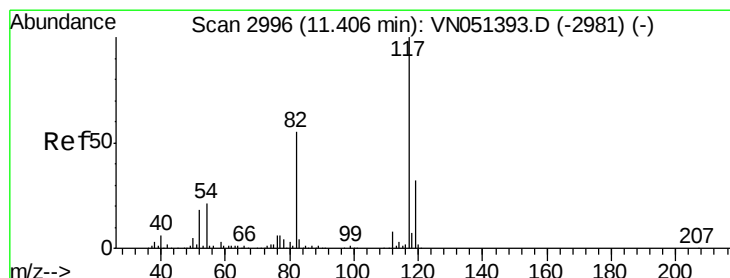
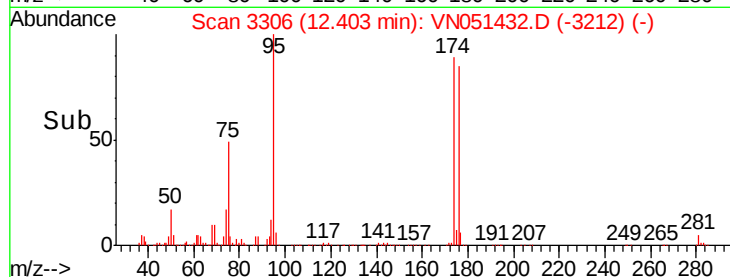
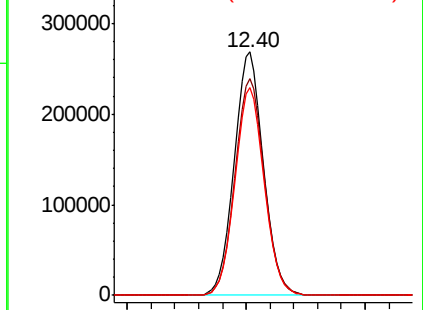
176 85.4 0.0 176.4



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: VN051432.D

Acq: 23 Sep 2018 23:46

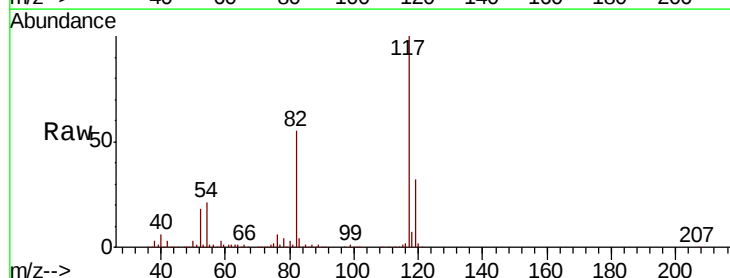
Tgt Ion: 117 Resp: 1036983

Ion Ratio Lower Upper

117 100

82 55.5 44.2 66.2

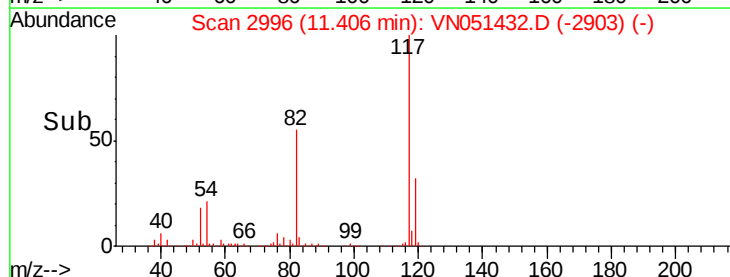
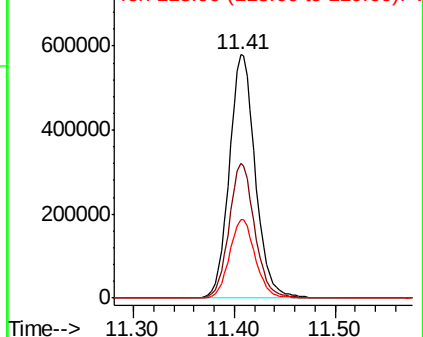
119 32.1 25.9 38.9

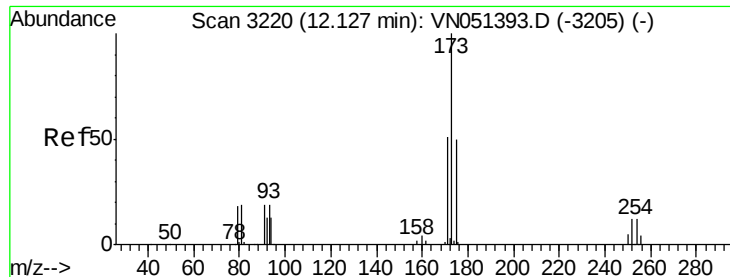


Abundance Ion 116.90 (116.60 to 117.60): VN051393.D (-2981) (-)

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: 0.686 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN051432.D

Acq: 23 Sep 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#03

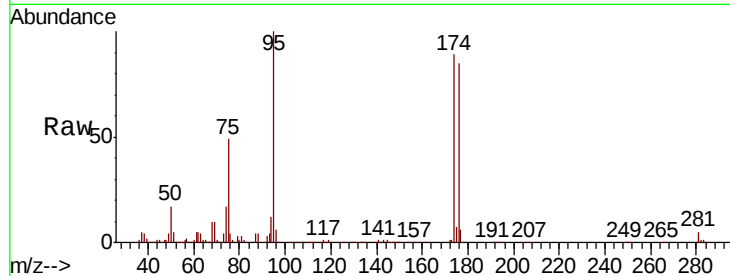
Tgt Ion:173 Resp: 4721

Ion Ratio Lower Upper

173 100

175 558.4 24.8 74.3#

254 0.0 0.2 0.2#

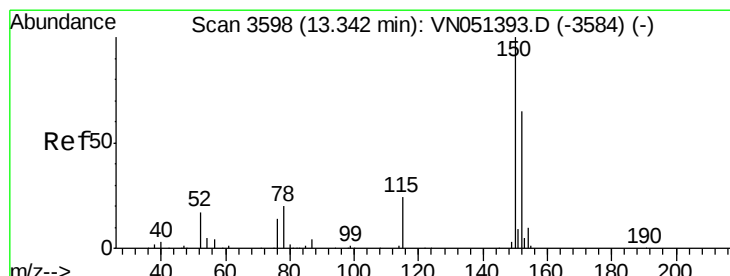
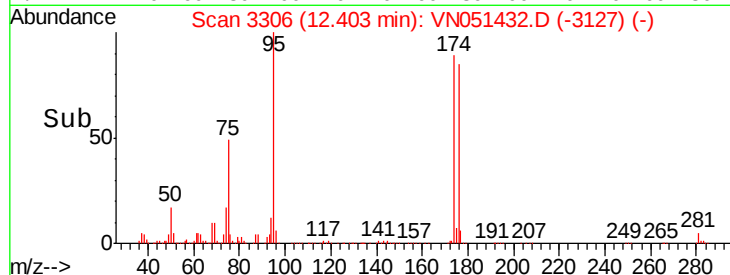
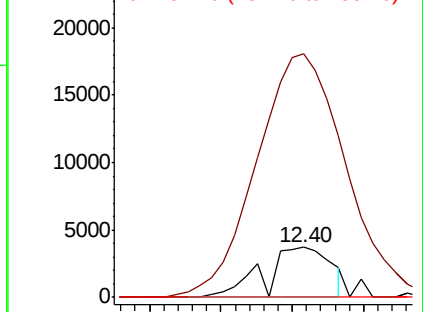


Abundance

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: VN051432.D

Acq: 23 Sep 2018 23:46

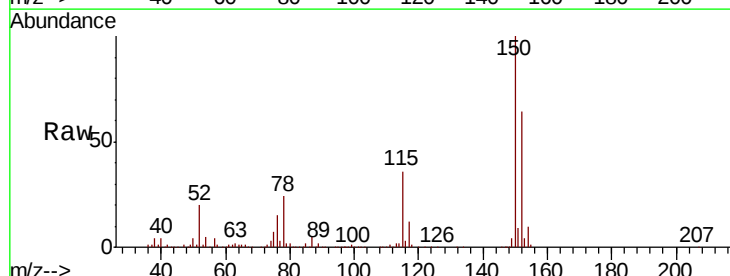
Tgt Ion:152 Resp: 355781

Ion Ratio Lower Upper

152 100

115 57.0 28.3 84.9

150 156.1 0.0 353.6

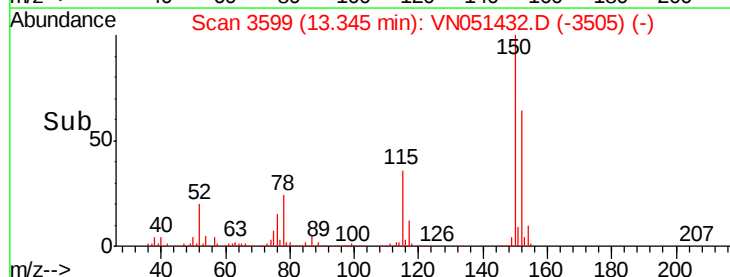
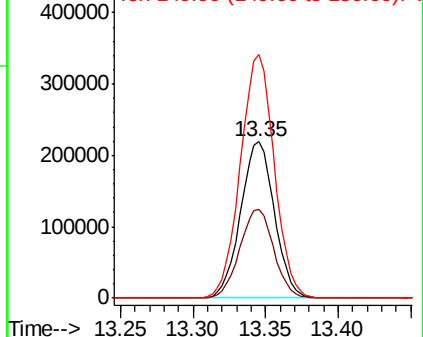


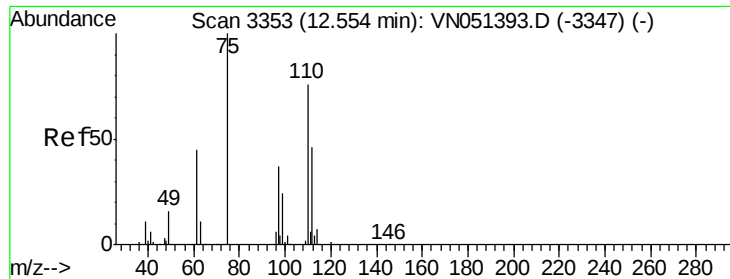
Abundance

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

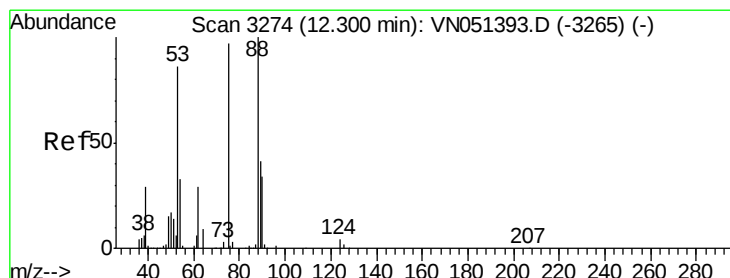
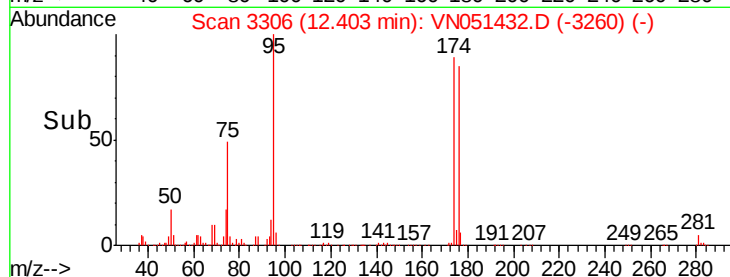
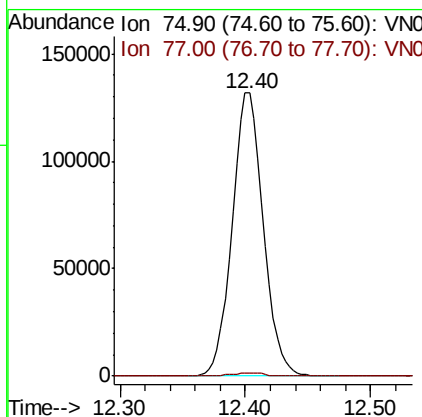
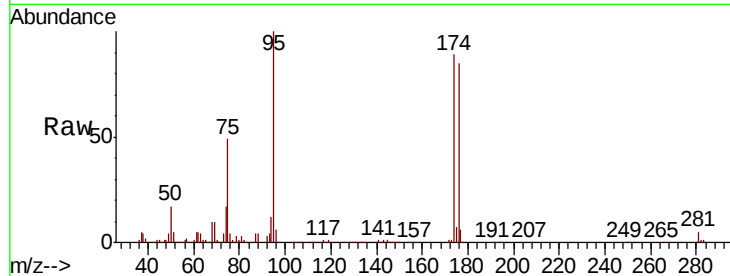




#76
 1,2,3-Trichloropropane
 Concen: 38.256 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN051432.D
 Acq: 23 Sep 2018 23:46

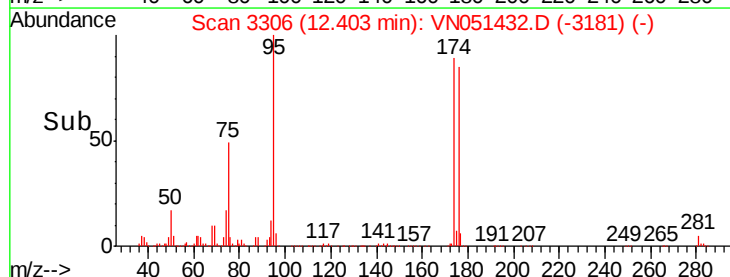
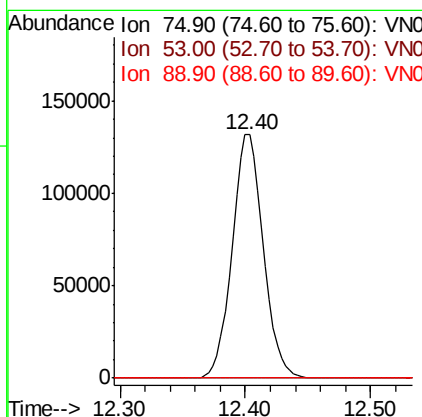
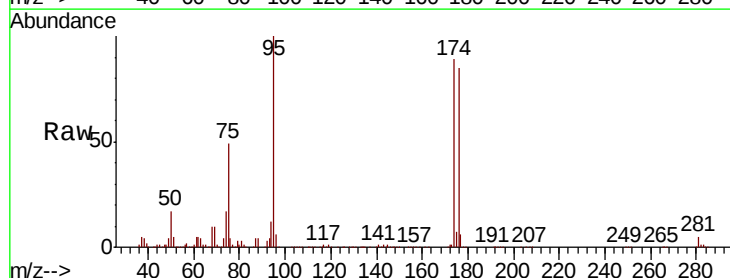
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113124ZHE#03

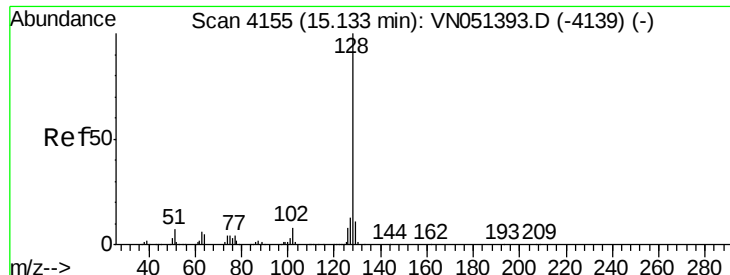
Tgt Ion: 75 Resp: 225949
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 117.635 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN051432.D
 Acq: 23 Sep 2018 23:46

Tgt Ion: 75 Resp: 225949
 Ion Ratio Lower Upper
 75 100
 53 0.2 73.9 110.9#
 89 0.0 36.7 55.1#





#95

Naphthalene

Concen: 8.088 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN051432.D

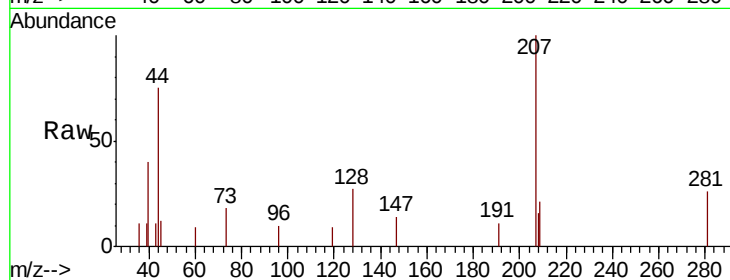
Acq: 23 Sep 2018 23:46

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#03



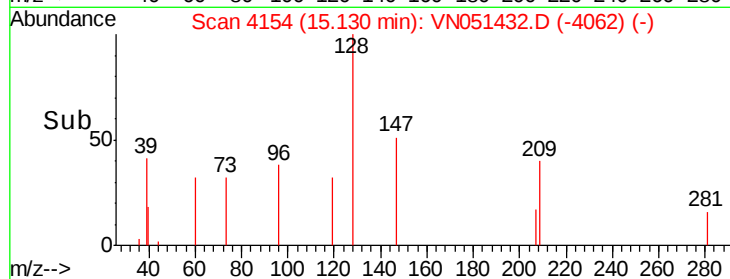
Tgt Ion:128 Resp: 689

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

