

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
 Data File : VN051443.D
 Acq On : 24 Sep 2018 4:16
 Operator : MD\SY
 Sample : PB113124ZHE#14
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113124ZHE#14

Quant Time: Sep 24 06:52:15 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	601411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	956546	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	787142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	277551	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	416979	55.35	ug/l	0.00
Spiked Amount			Recovery	=	110.70%	
35) Dibromofluoromethane	7.59	113	369503	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
50) Toluene-d8	10.09	98	1312278	45.56	ug/l	0.00
Spiked Amount			Recovery	=	91.12%	
62) 4-Bromofluorobenzene	12.40	95	350985	37.67	ug/l	0.00
Spiked Amount			Recovery	=	75.34%	

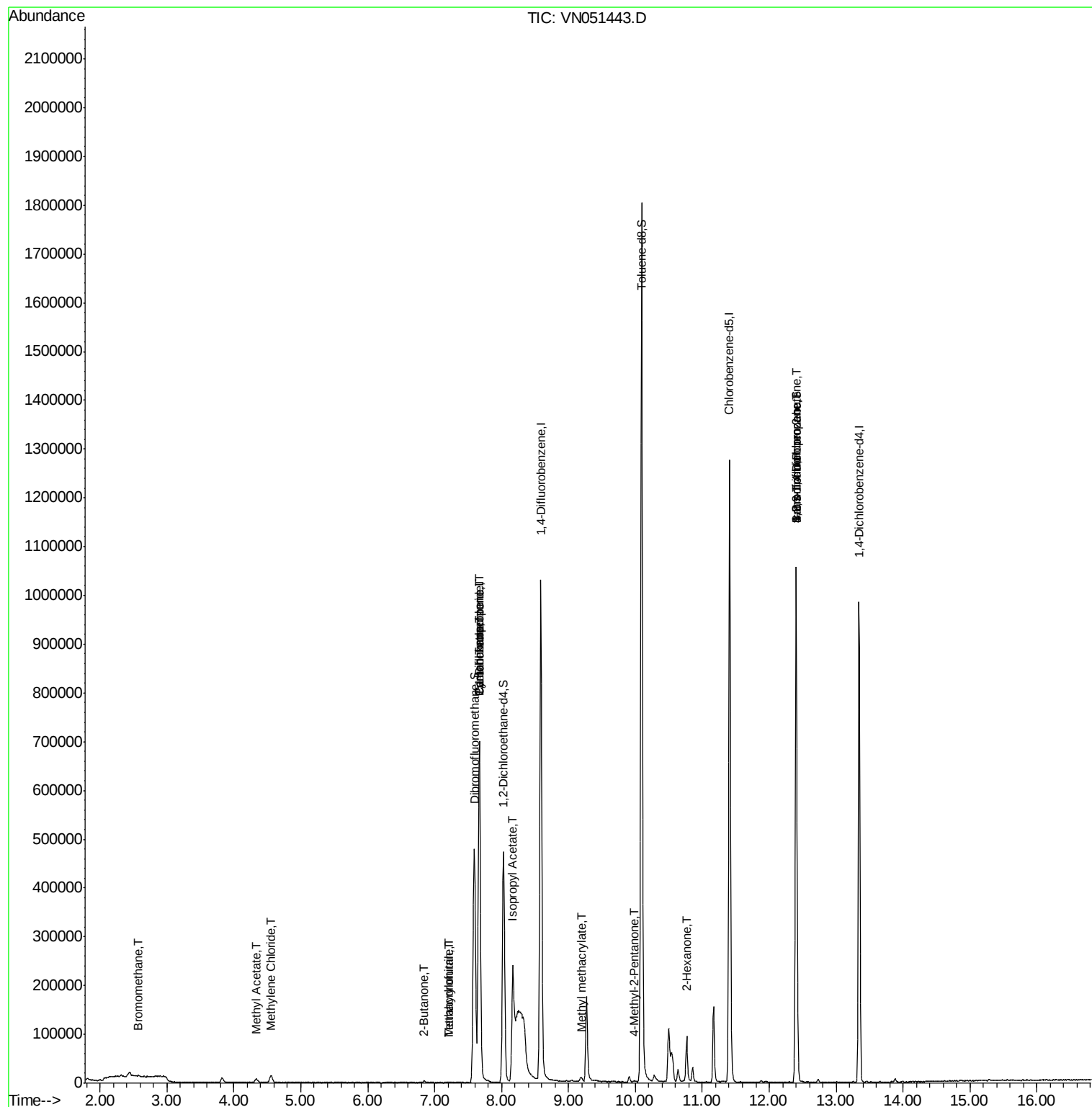
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	1373	0.291	ug/l	82
16) Acetone	3.82	43	17078	Below Cal		99
18) Methyl Acetate	4.33	43	15169	2.644	ug/l	99
20) Methylene Chloride	4.55	84	10502	1.409	ug/l	93
25) 2-Butanone	6.84	43	2357	0.914	ug/l	93
29) Tetrahydrofuran	7.20	42	449	0.275	ug/l #	39
31) Cyclohexane	7.66	56	11241	0.948	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	41958	3.788	ug/l #	48
38) Carbon Tetrachloride	7.67	117	55439	4.785	ug/l #	16
41) Methacrylonitrile	7.23	41	707	0.201	ug/l #	26
43) Isopropyl Acetate	8.17	43	294659	25.586	ug/l #	89
48) Methyl methacrylate	9.19	41	5709	0.994	ug/l #	21
51) 4-Methyl-2-Pentanone	9.99	43	1655	0.261	ug/l #	86
59) 2-Hexanone	10.76	43	14518	3.536	ug/l #	58
71) Bromoform	12.40	173	1964	0.376	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	172242	37.383	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	172242	114.949	ug/l #	13

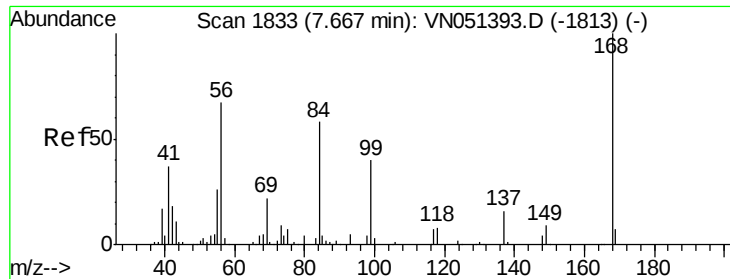
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN051443.D

Acq: 24 Sep 2018 4:16

Instrument :

MSVOA_N

ClientSampleId :

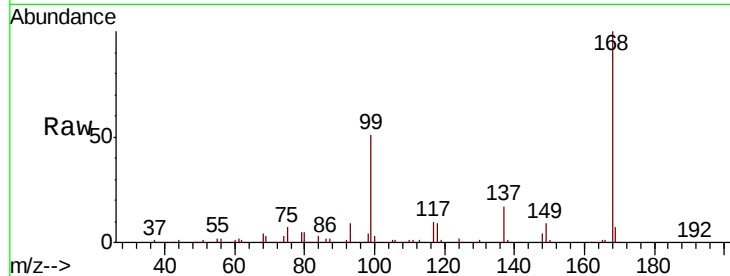
PB113124ZHE#14

Tgt Ion:168 Resp: 601411

Ion Ratio Lower Upper

168 100

99 51.3 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

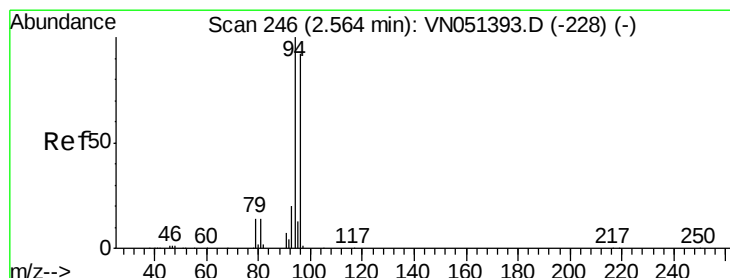
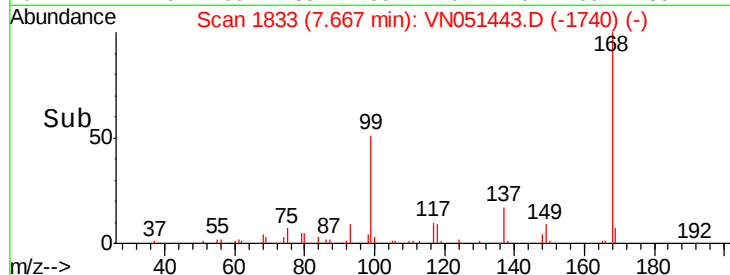
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.291 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051443.D

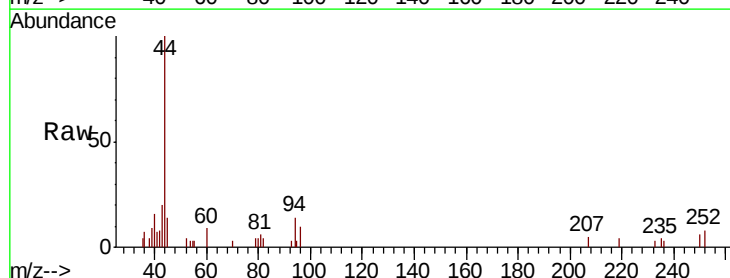
Acq: 24 Sep 2018 4:16

Tgt Ion: 94 Resp: 1373

Ion Ratio Lower Upper

94 100

96 74.4 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

800

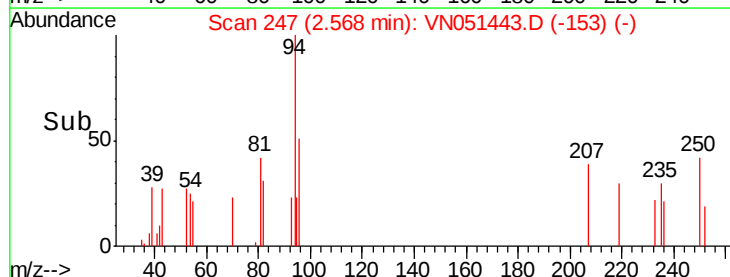
600

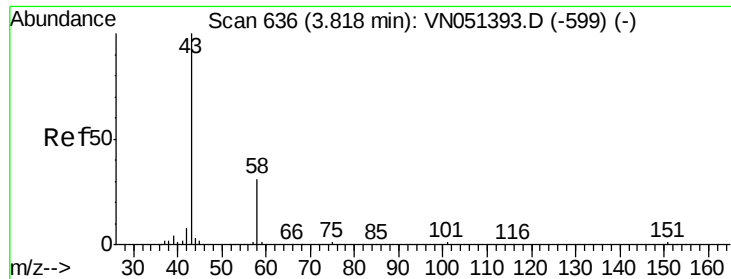
400

200

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051443.D

Acq: 24 Sep 2018 4:16

Instrument :

MSVOA_N

ClientSampleId :

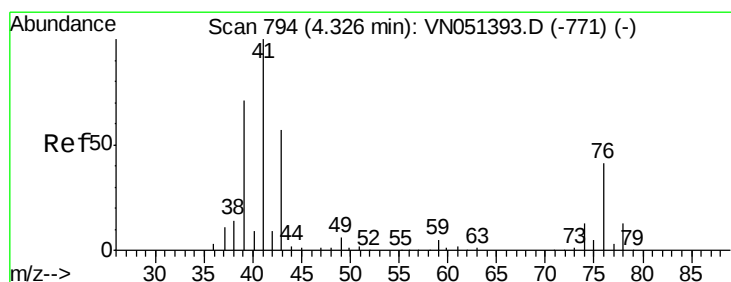
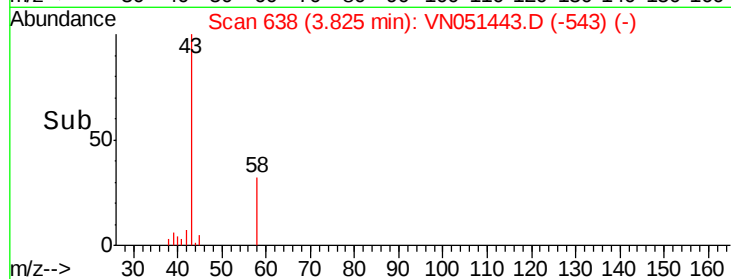
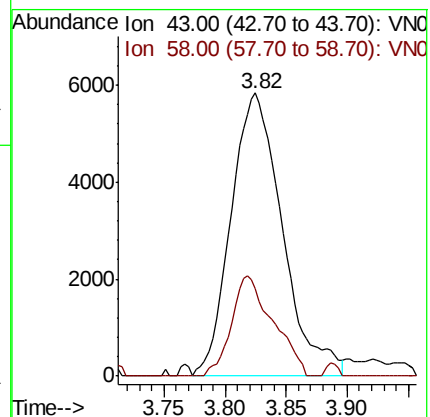
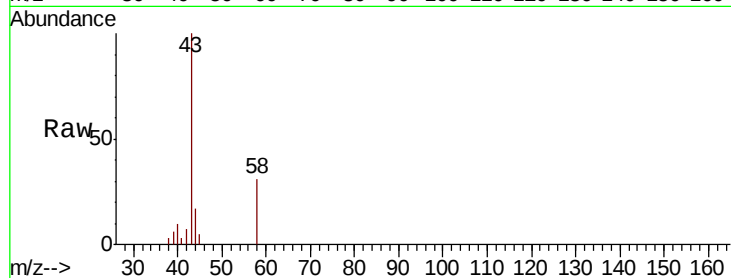
PB113124ZHE#14

Tgt Ion: 43 Resp: 17078

Ion Ratio Lower Upper

43 100

58 30.7 25.0 37.4



#18

Methyl Acetate

Concen: 2.644 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN051443.D

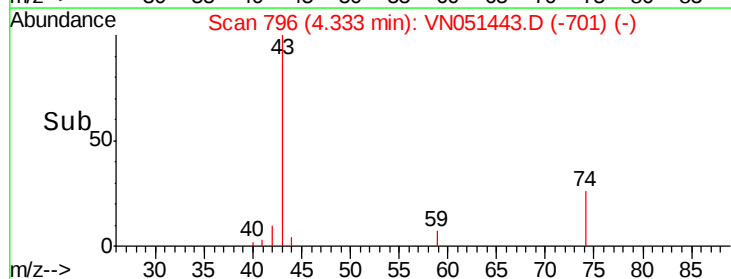
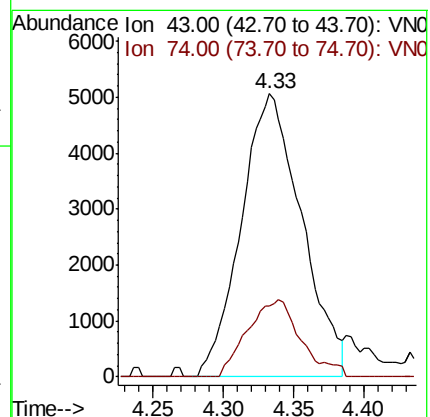
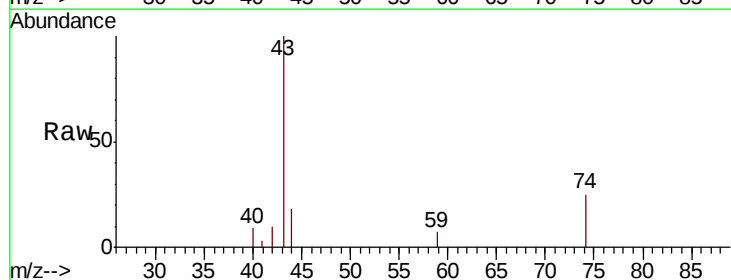
Acq: 24 Sep 2018 4:16

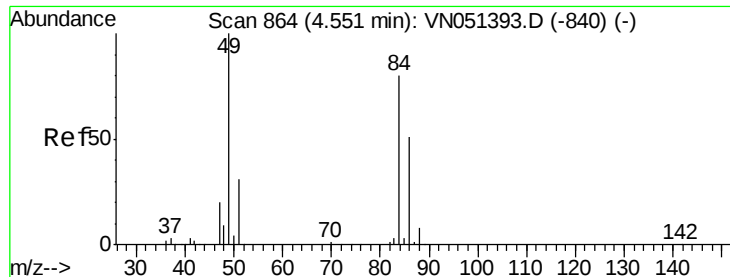
Tgt Ion: 43 Resp: 15169

Ion Ratio Lower Upper

43 100

74 24.0 18.8 28.2

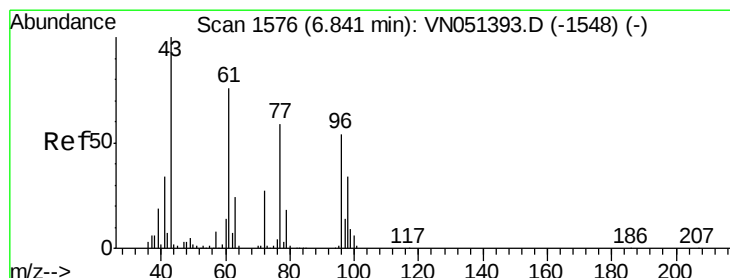
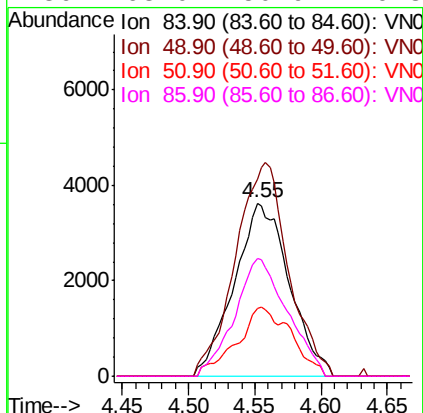
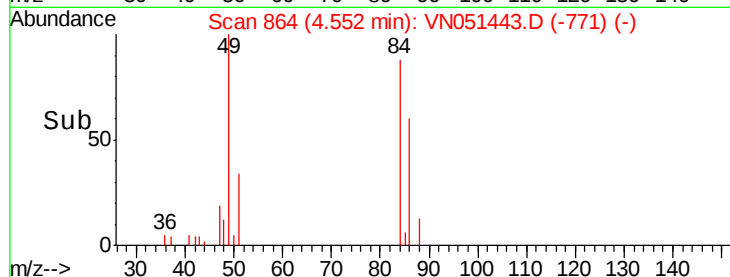
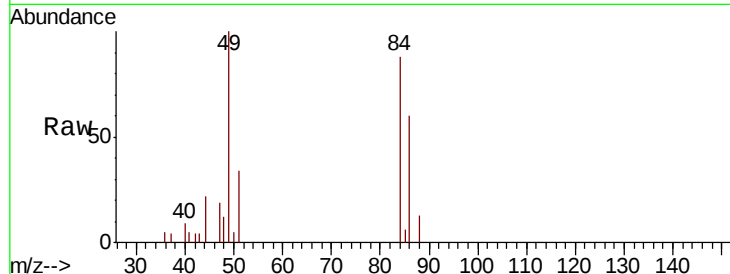




#20
Methylene Chloride
Concen: 1.409 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051443.D
Acq: 24 Sep 2018 4:16

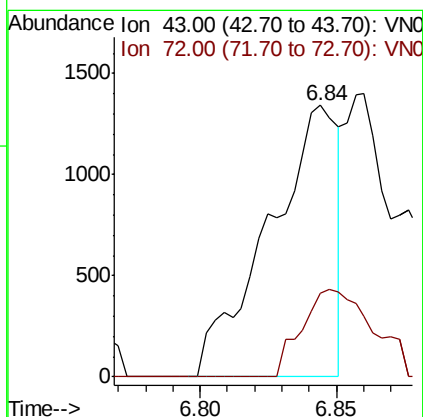
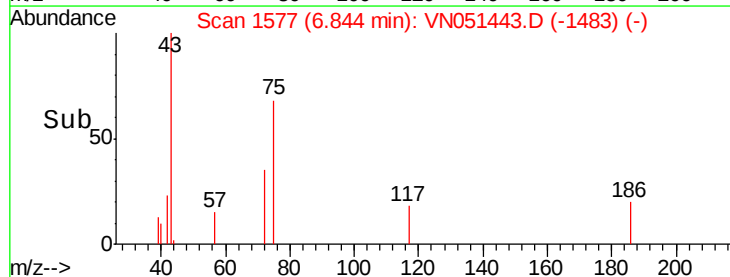
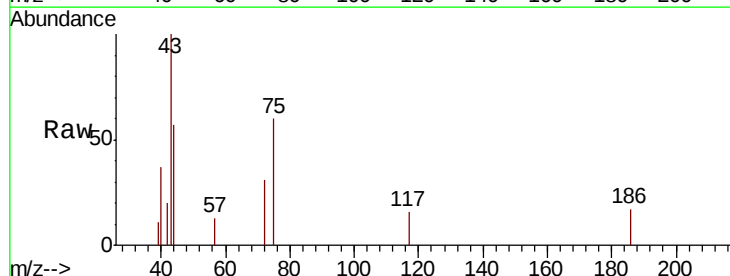
Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#14

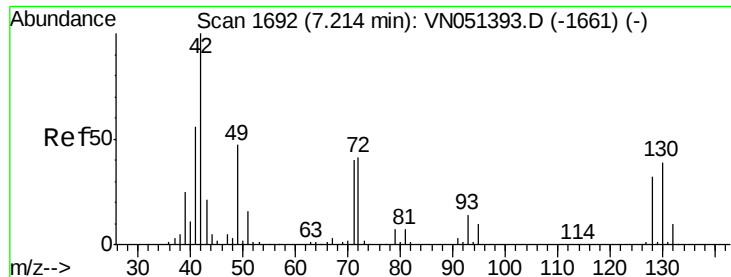
Tgt Ion: 84 Resp: 10502
Ion Ratio Lower Upper
84 100
49 113.9 99.9 149.9
51 39.0 31.4 47.2
86 68.0 50.9 76.3



#25
2-Butanone
Concen: 0.914 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN051443.D
Acq: 24 Sep 2018 4:16

Tgt Ion: 43 Resp: 2357
Ion Ratio Lower Upper
43 100
72 31.0 21.8 32.6





#29

Tetrahydrofuran

Concen: 0.275 ug/l

RT: 7.20 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VN051443.D

Acq: 24 Sep 2018 4:16

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#14

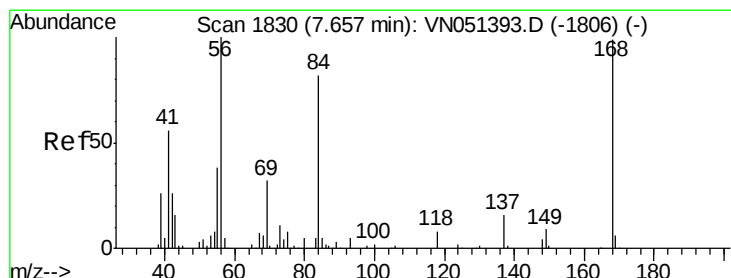
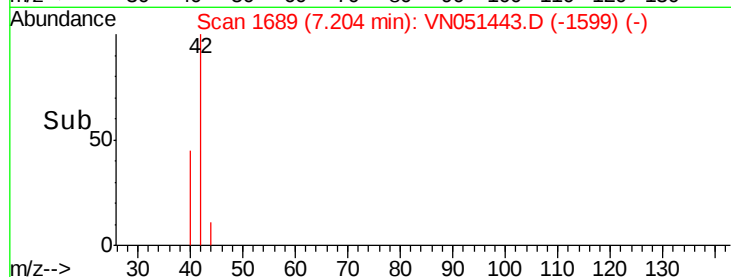
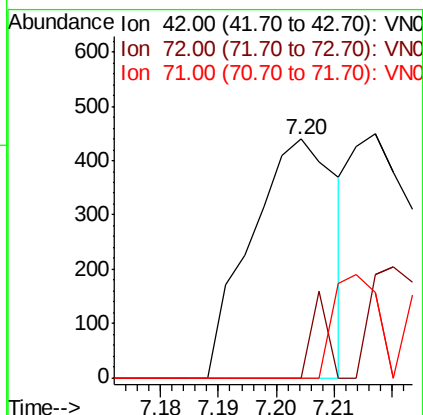
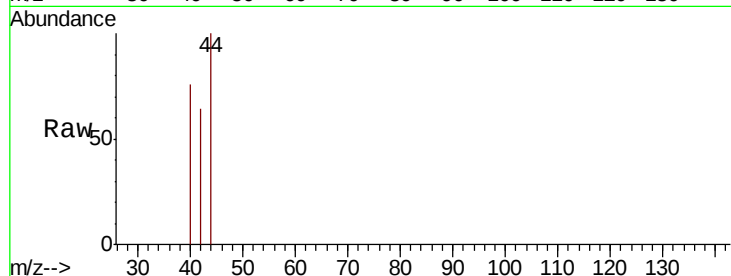
Tgt Ion: 42 Resp: 449

Ion Ratio Lower Upper

42 100

72 6.9 34.3 51.5#

71 0.0 32.2 48.4#



#31

Cyclohexane

Concen: 0.948 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051443.D

Acq: 24 Sep 2018 4:16

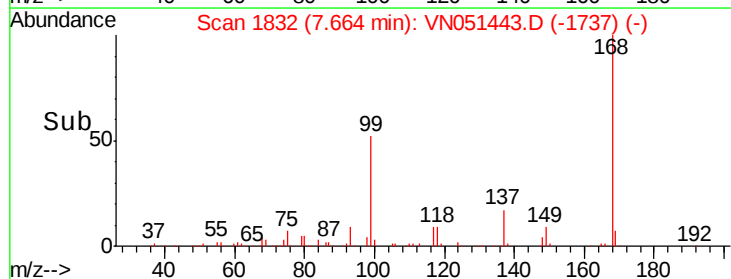
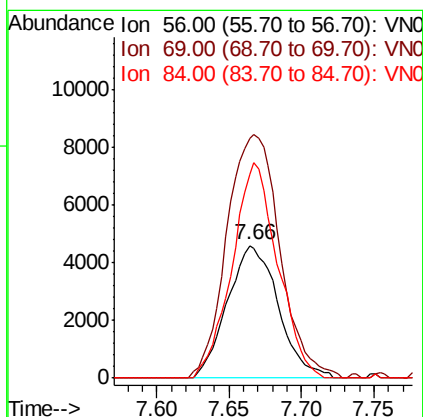
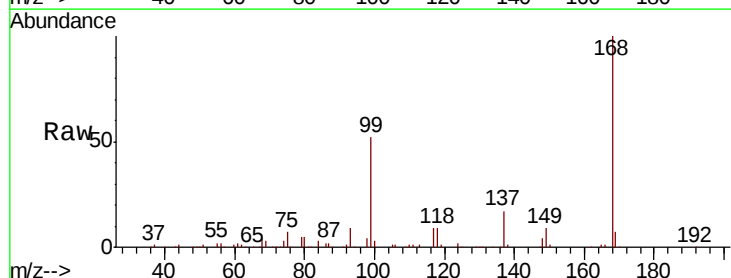
Tgt Ion: 56 Resp: 11241

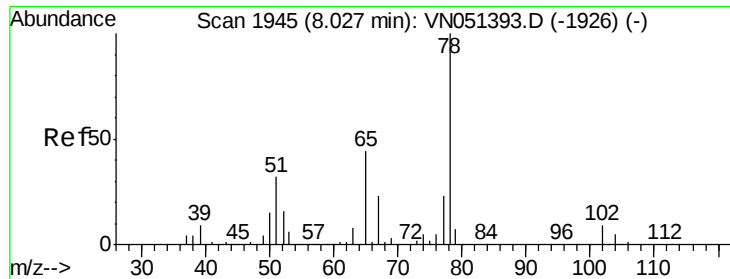
Ion Ratio Lower Upper

56 100

69 180.7 25.8 38.6#

84 153.8 66.0 99.0#

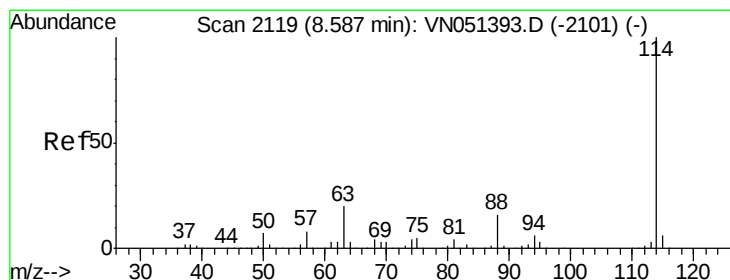
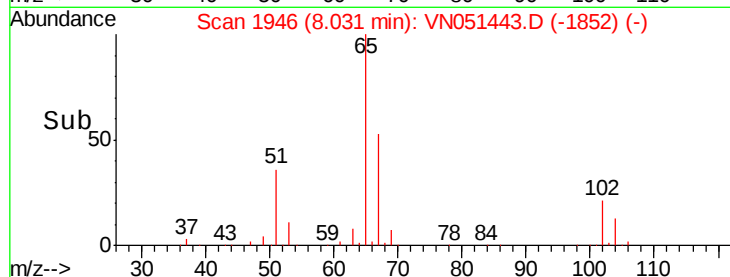
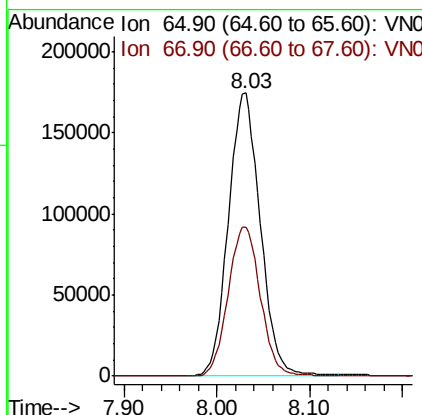
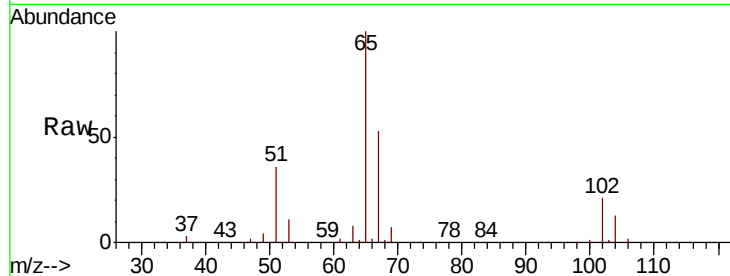




#33
 1,2-Dichloroethane-d4
 Concen: 55.348 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051443.D
 Acq: 24 Sep 2018 4:16

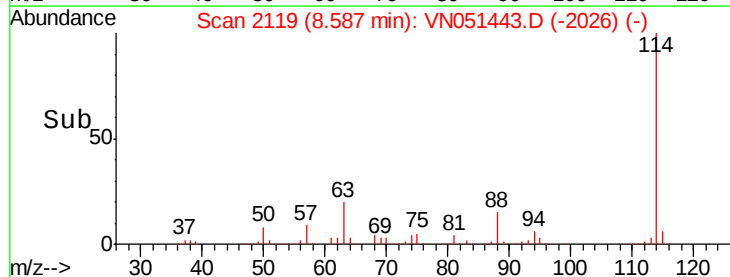
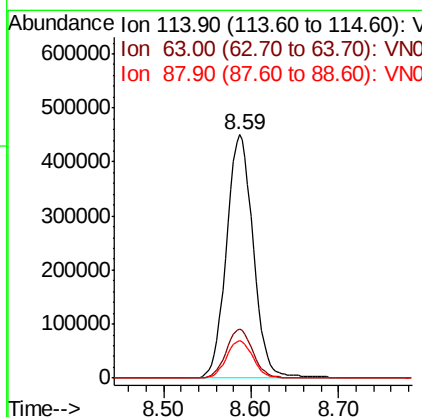
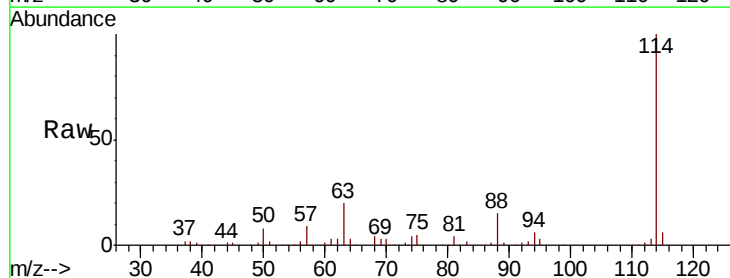
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113124ZHE#14

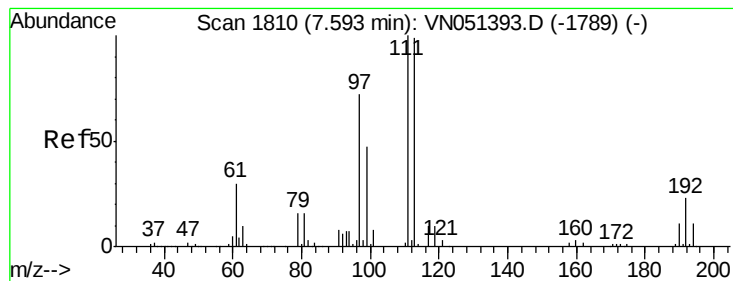
Tgt Ion: 65 Resp: 416979
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051443.D
 Acq: 24 Sep 2018 4:16

Tgt Ion: 114 Resp: 956546
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.2
 88 15.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.307 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN051443.D

Acq: 24 Sep 2018 4:16

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#14

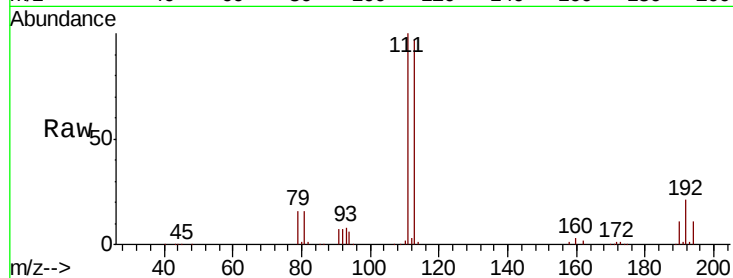
Tgt Ion:113 Resp: 369503

Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

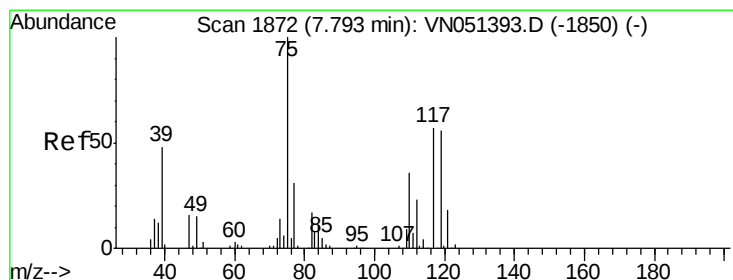
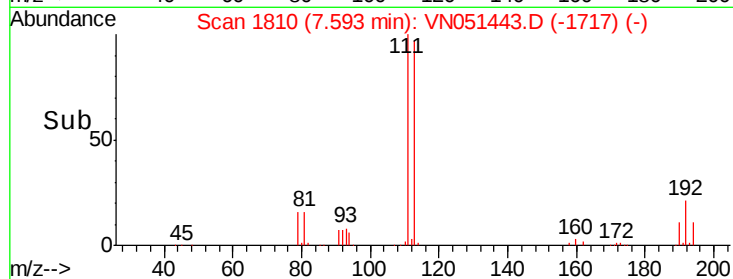
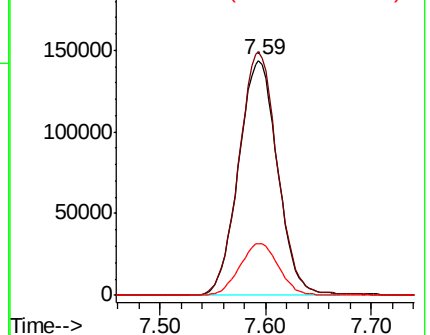
192 22.0 18.0 27.0



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: 3.788 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN051443.D

Acq: 24 Sep 2018 4:16

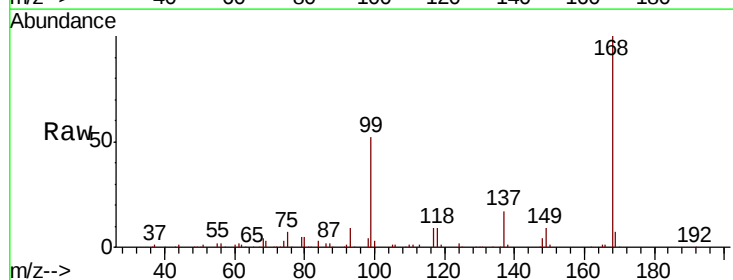
Tgt Ion: 75 Resp: 41958

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.3#

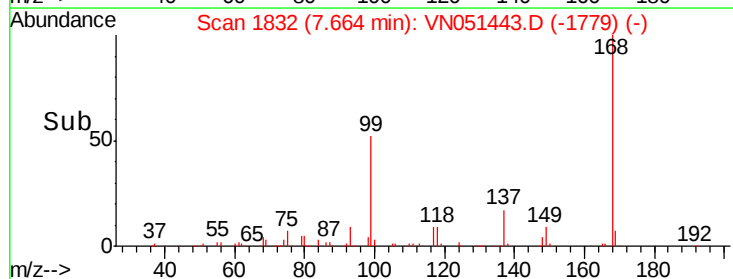
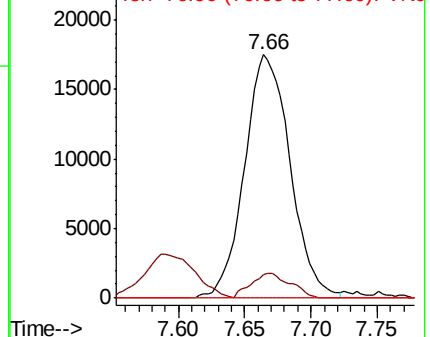
77 0.0 25.6 38.4#

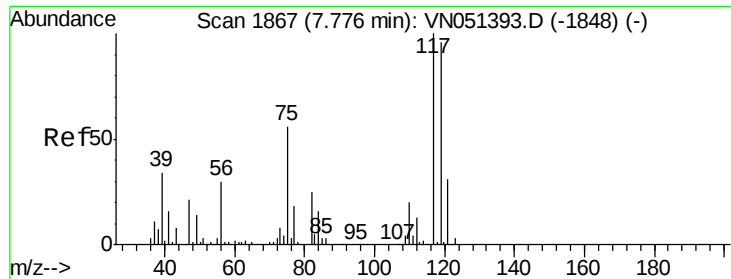


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 4.785 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051443.D

Acq: 24 Sep 2018 4:16

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#14

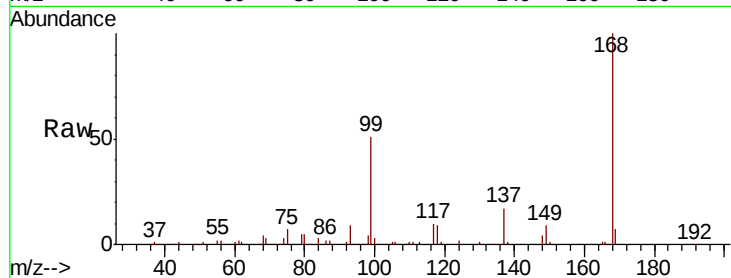
Tgt Ion: 117 Resp: 55439

Ion Ratio Lower Upper

117 100

119 5.8 76.9 115.3#

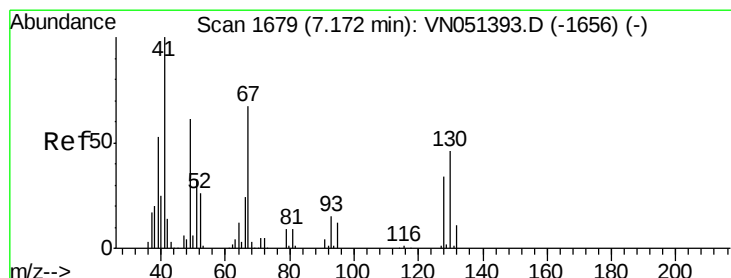
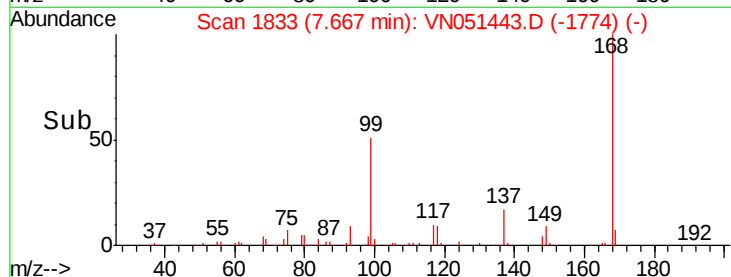
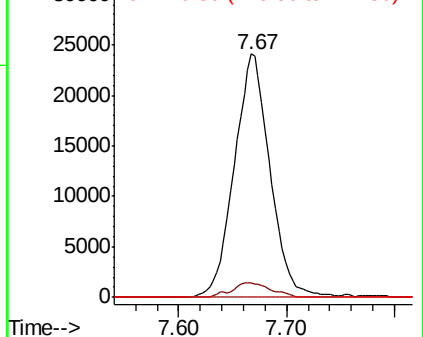
121 0.0 24.6 37.0#



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



#41

Methacrylonitrile

Concen: 0.201 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.05 min

Lab File: VN051443.D

Acq: 24 Sep 2018 4:16

Tgt Ion: 41 Resp: 707

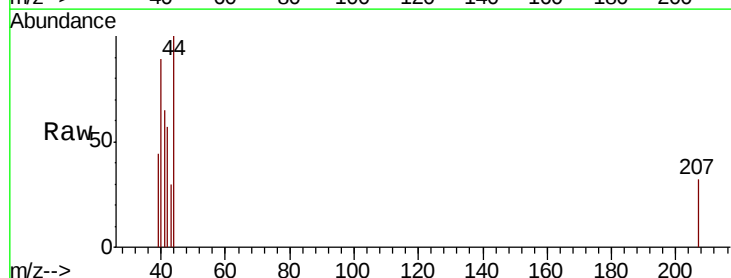
Ion Ratio Lower Upper

41 100

39 19.4 51.4 77.2#

67 0.0 66.8 100.2#

52 0.0 27.7 41.5#

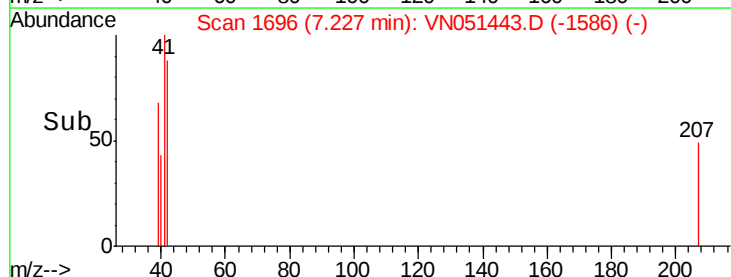
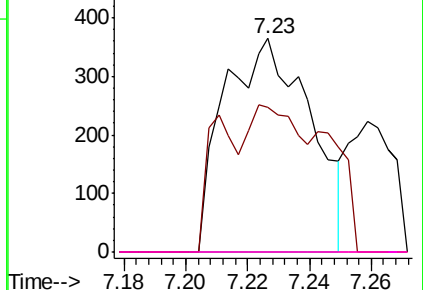


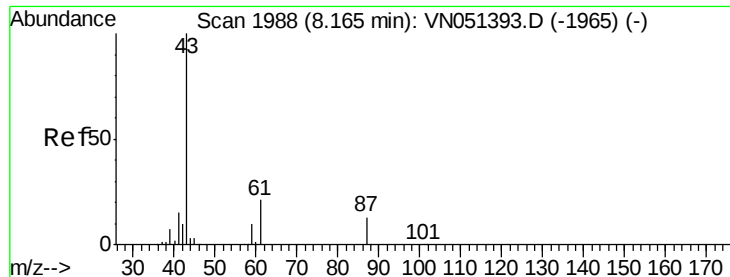
Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO





#43

Isopropyl Acetate

Concen: 25.586 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051443.D

Acq: 24 Sep 2018 4:16

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#14

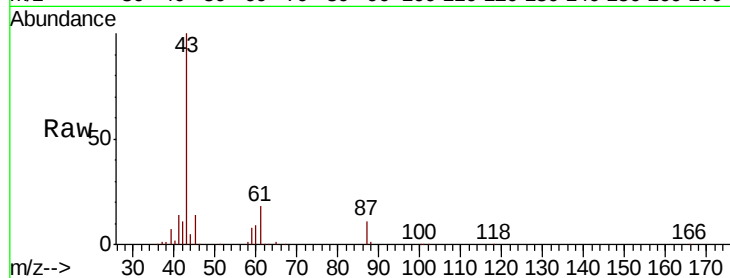
Tgt Ion: 43 Resp: 294659

Ion Ratio Lower Upper

43 100

61 15.5 16.8 25.2#

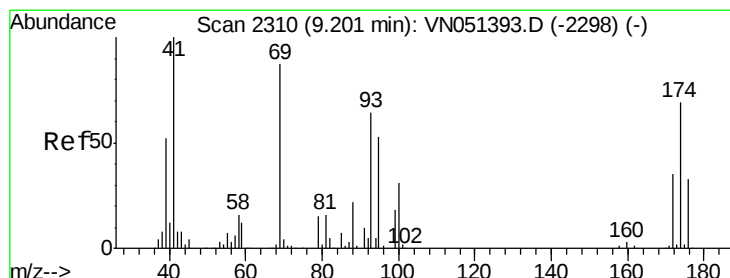
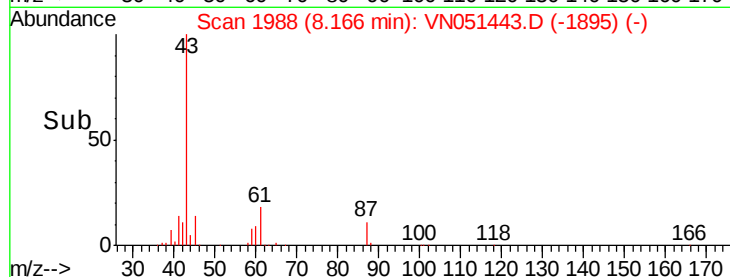
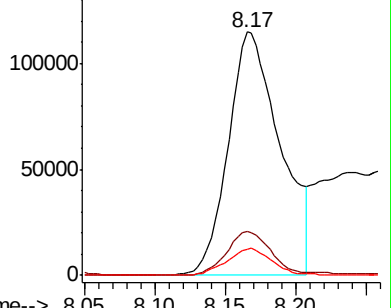
87 9.7 10.7 16.1#



Abundance Ion 43.00 (42.70 to 43.70): VN051393.D (-1965) (-)

Ion 61.00 (60.70 to 61.70): VN051393.D (-1965) (-)

Ion 87.00 (86.70 to 87.70): VN051393.D (-1965) (-)



#48

Methyl methacrylate

Concen: 0.994 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.01 min

Lab File: VN051443.D

Acq: 24 Sep 2018 4:16

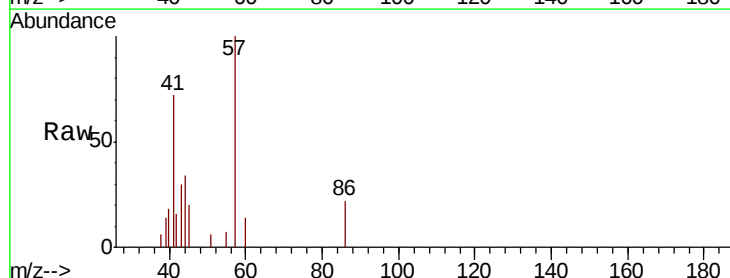
Tgt Ion: 41 Resp: 5709

Ion Ratio Lower Upper

41 100

69 0.0 70.4 105.6#

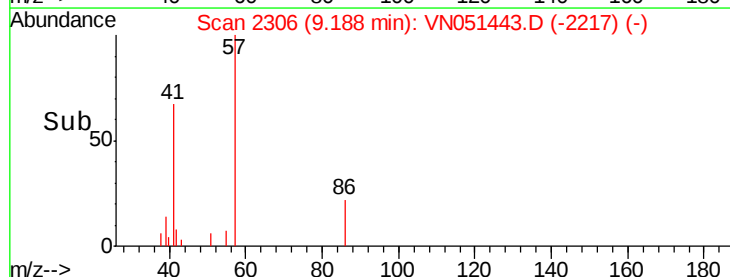
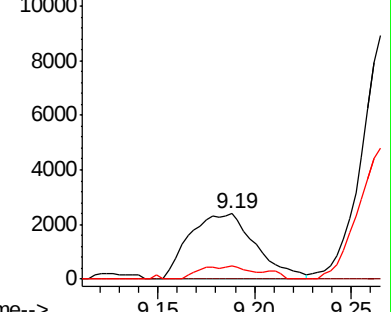
39 15.0 43.8 65.8#

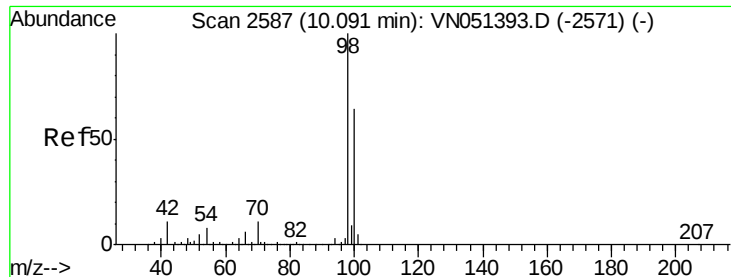


Abundance Ion 41.00 (40.70 to 41.70): VN051393.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN051393.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN051393.D (-2298) (-)

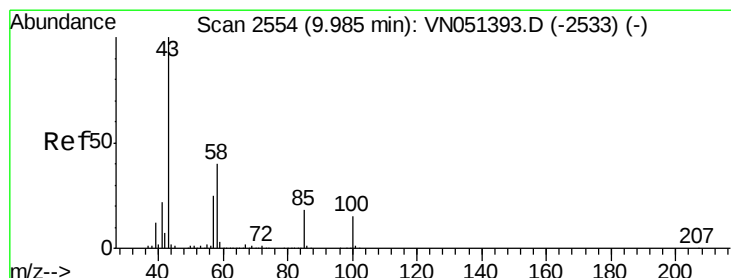
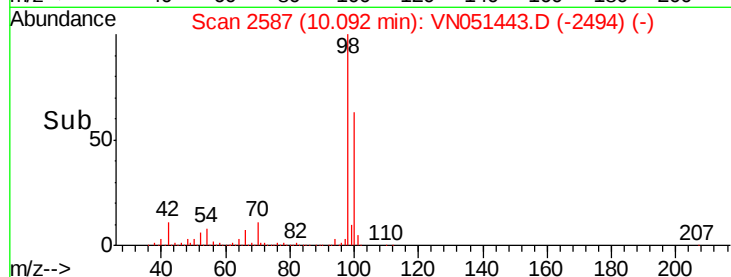
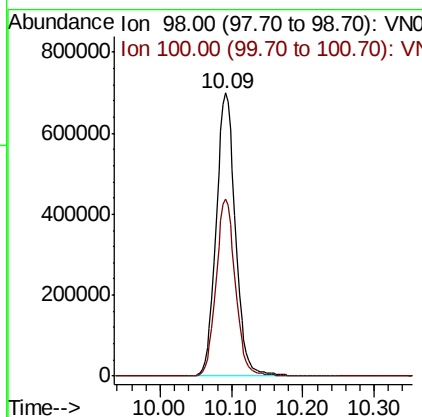
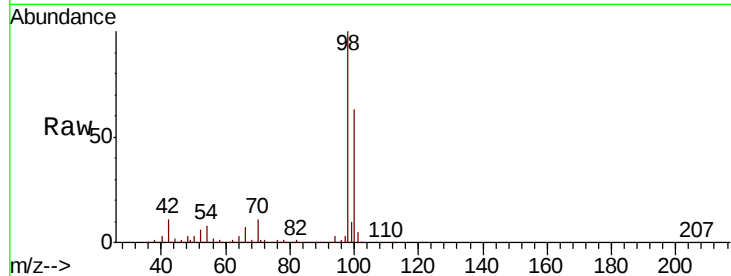




#50
Toluene-d8
Concen: 45.559 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051443.D
Acq: 24 Sep 2018 4:16

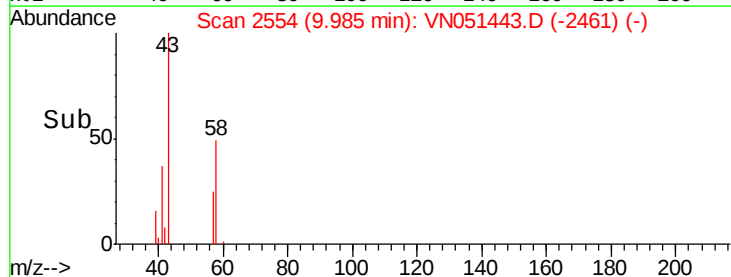
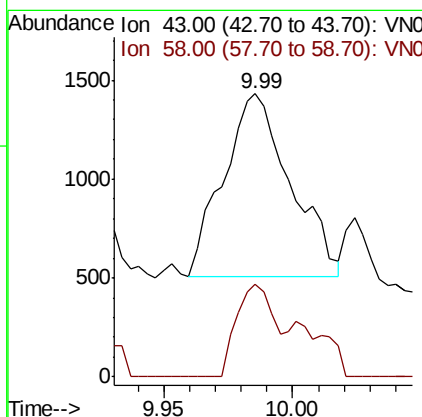
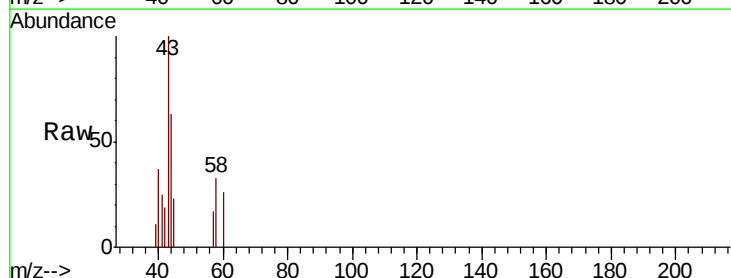
Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#14

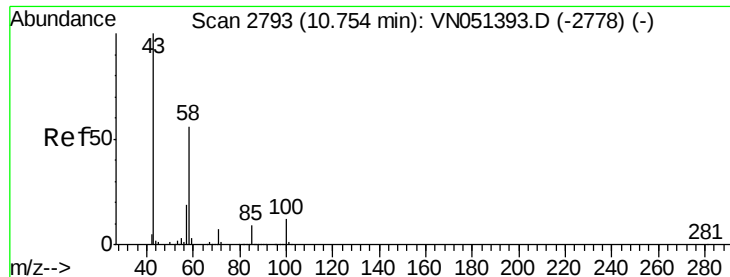
Tgt Ion: 98 Resp: 1312278
Ion Ratio Lower Upper
98 100
100 62.7 50.6 75.8



#51
4-Methyl-2-Pentanone
Concen: 0.261 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051443.D
Acq: 24 Sep 2018 4:16

Tgt Ion: 43 Resp: 1655
Ion Ratio Lower Upper
43 100
58 30.8 31.5 47.3#

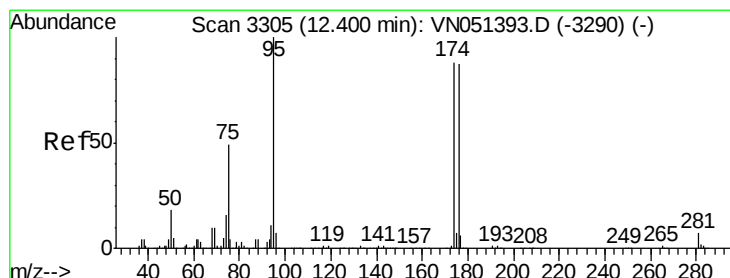
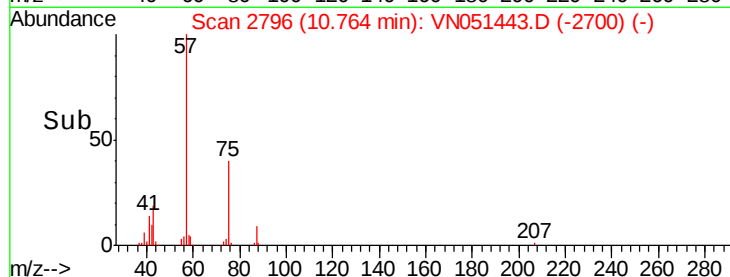
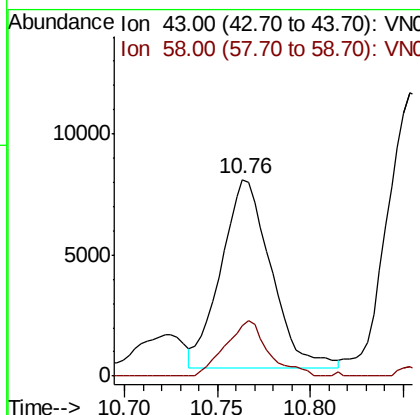
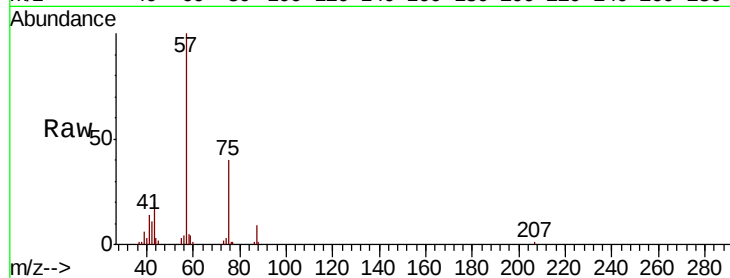




#59
2-Hexanone
Concen: 3.536 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN051443.D
Acq: 24 Sep 2018 4:16

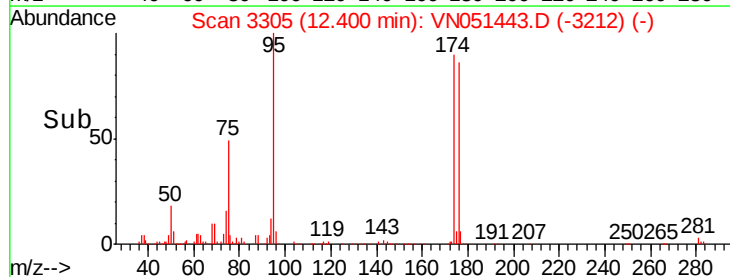
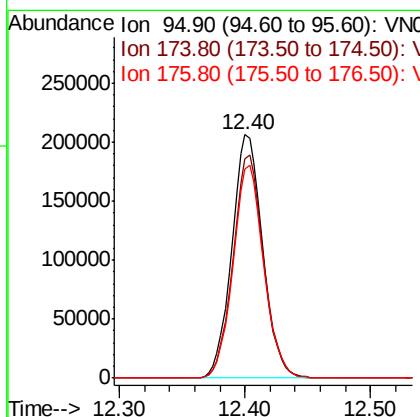
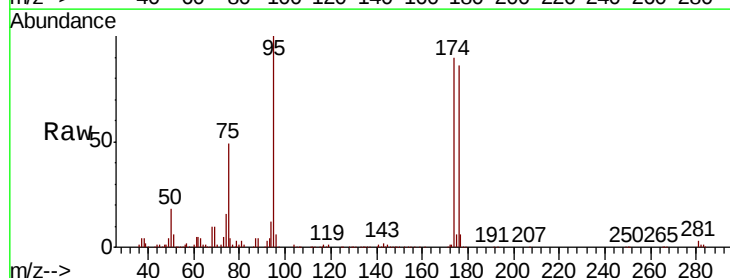
Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#14

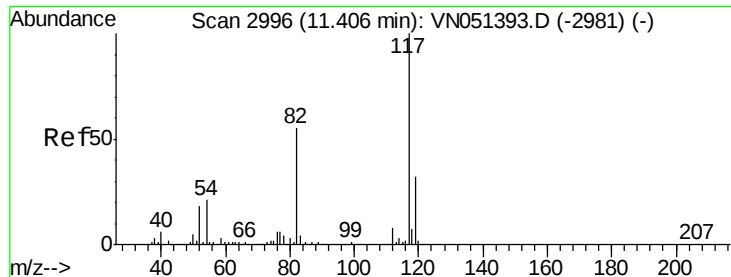
Tgt Ion: 43 Resp: 14518
Ion Ratio Lower Upper
43 100
58 25.2 27.7 83.0#



#62
4-Bromofluorobenzene
Concen: 37.668 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051443.D
Acq: 24 Sep 2018 4:16

Tgt Ion: 95 Resp: 350985
Ion Ratio Lower Upper
95 100
174 90.9 0.0 181.6
176 86.8 0.0 176.4

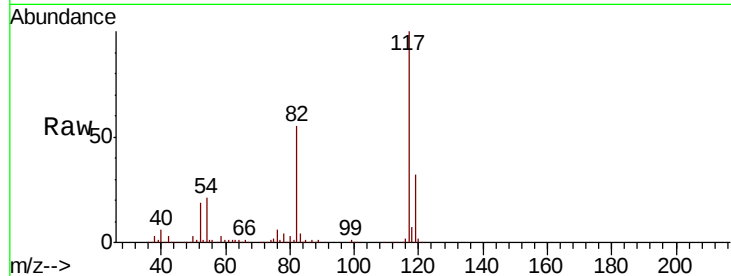




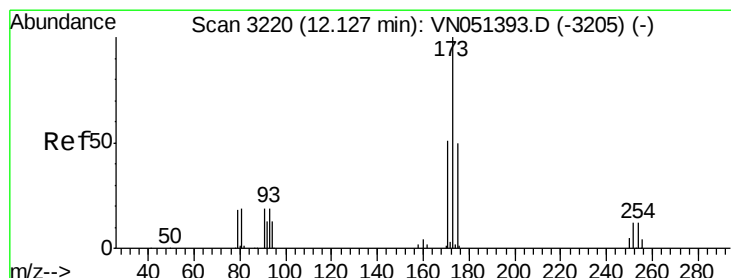
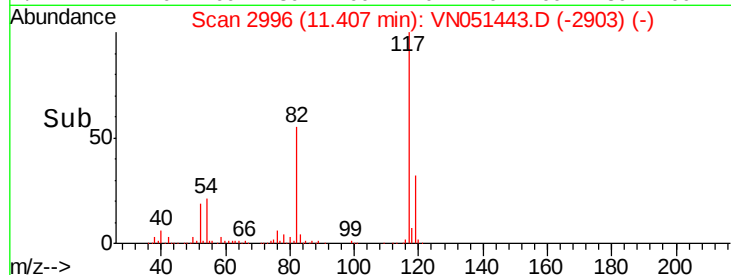
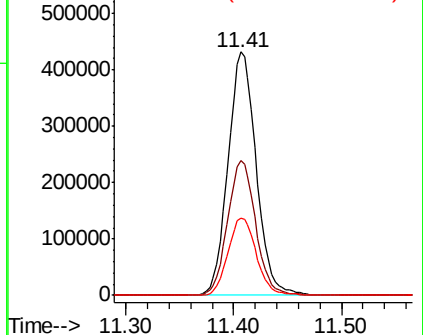
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051443.D
Acq: 24 Sep 2018 4:16

Instrument :
MSVOA_N
ClientSampleId :
PB113124ZHE#14

Tgt Ion:117 Resp: 787142
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.2
119 32.0 25.9 38.9

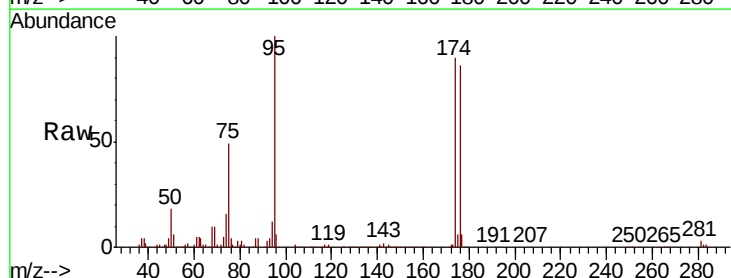


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

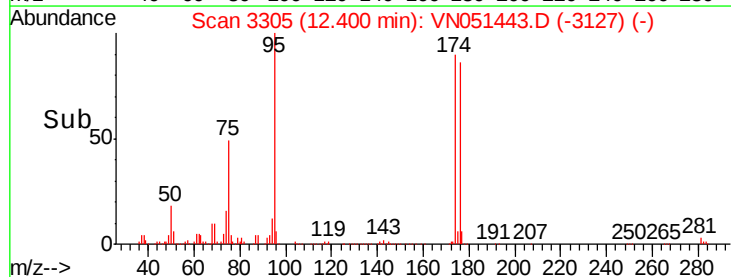
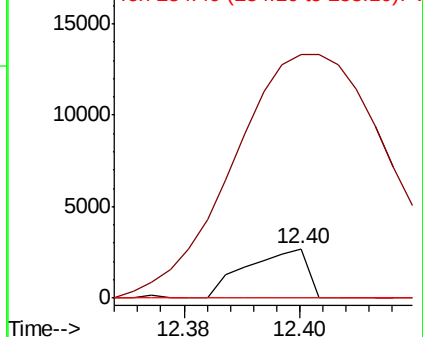


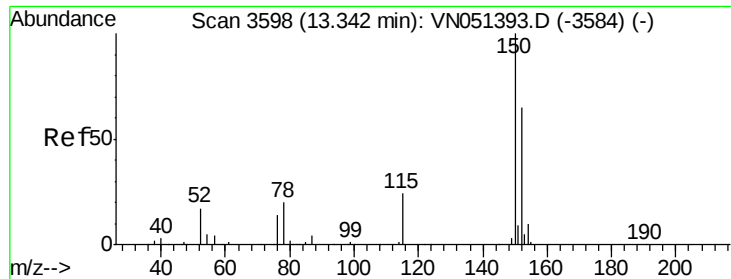
#71
Bromoform
Concen: 0.376 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN051443.D
Acq: 24 Sep 2018 4:16

Tgt Ion:173 Resp: 1964
Ion Ratio Lower Upper
173 100
175 1074.6 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: VN051443.D

Acq: 24 Sep 2018 4:16

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#14

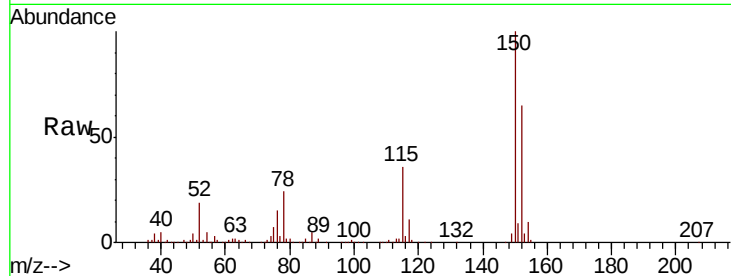
Tgt Ion:152 Resp: 277551

Ion Ratio Lower Upper

152 100

115 56.0 28.3 84.9

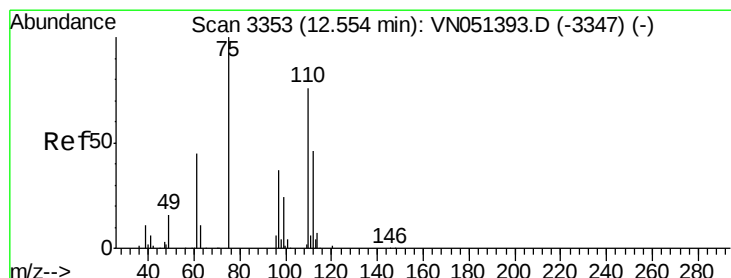
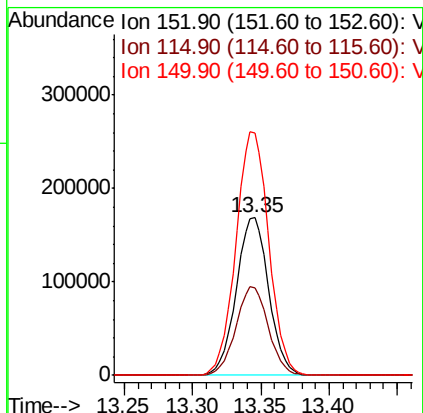
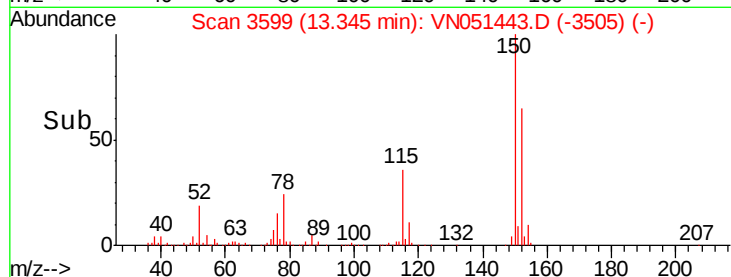
150 156.4 0.0 353.6



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: 37.383 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051443.D

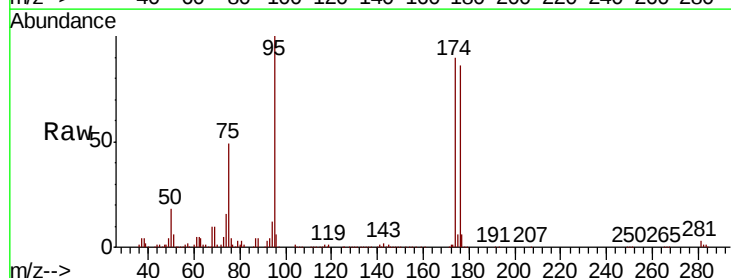
Acq: 24 Sep 2018 4:16

Tgt Ion: 75 Resp: 172242

Ion Ratio Lower Upper

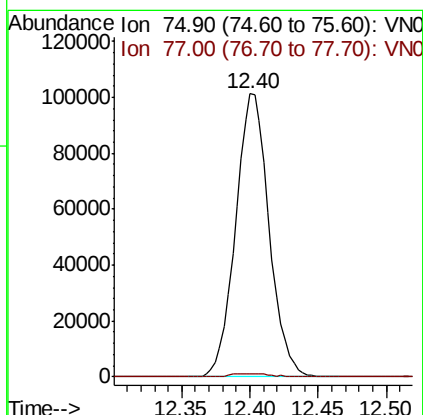
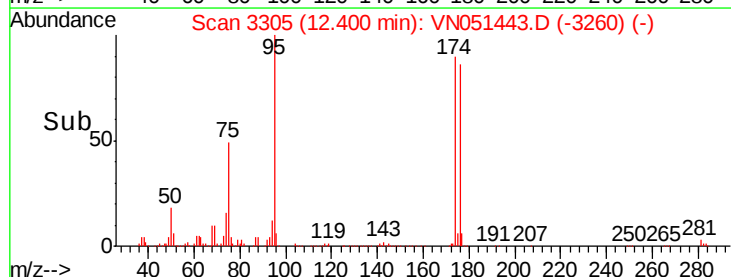
75 100

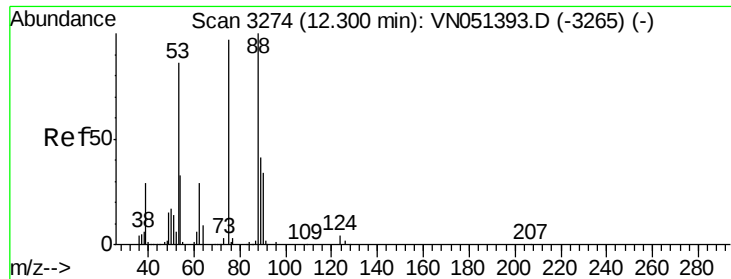
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 114.949 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051443.D

Acq: 24 Sep 2018 4:16

Instrument :

MSVOA_N

ClientSampleId :

PB113124ZHE#14

Tgt Ion: 75 Resp: 172242

Ion Ratio Lower Upper

75 100

53 0.3 73.9 110.9#

89 0.0 36.7 55.1#

