

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022619\
 Data File : VN053964.D
 Acq On : 26 Feb 2019 19:18
 Operator : JC/SP
 Sample : PB117375ZHE#07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB117375ZHE#07

Quant Time: Feb 27 02:30:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 05:37:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	548954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1019922	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	926609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	293107	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	380442	59.12	ug/l	0.00
Spiked Amount			Recovery	=	118.24%	
35) Dibromofluoromethane	7.59	113	326770	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
50) Toluene-d8	10.09	98	1254307	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
62) 4-Bromofluorobenzene	12.40	95	375834	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	

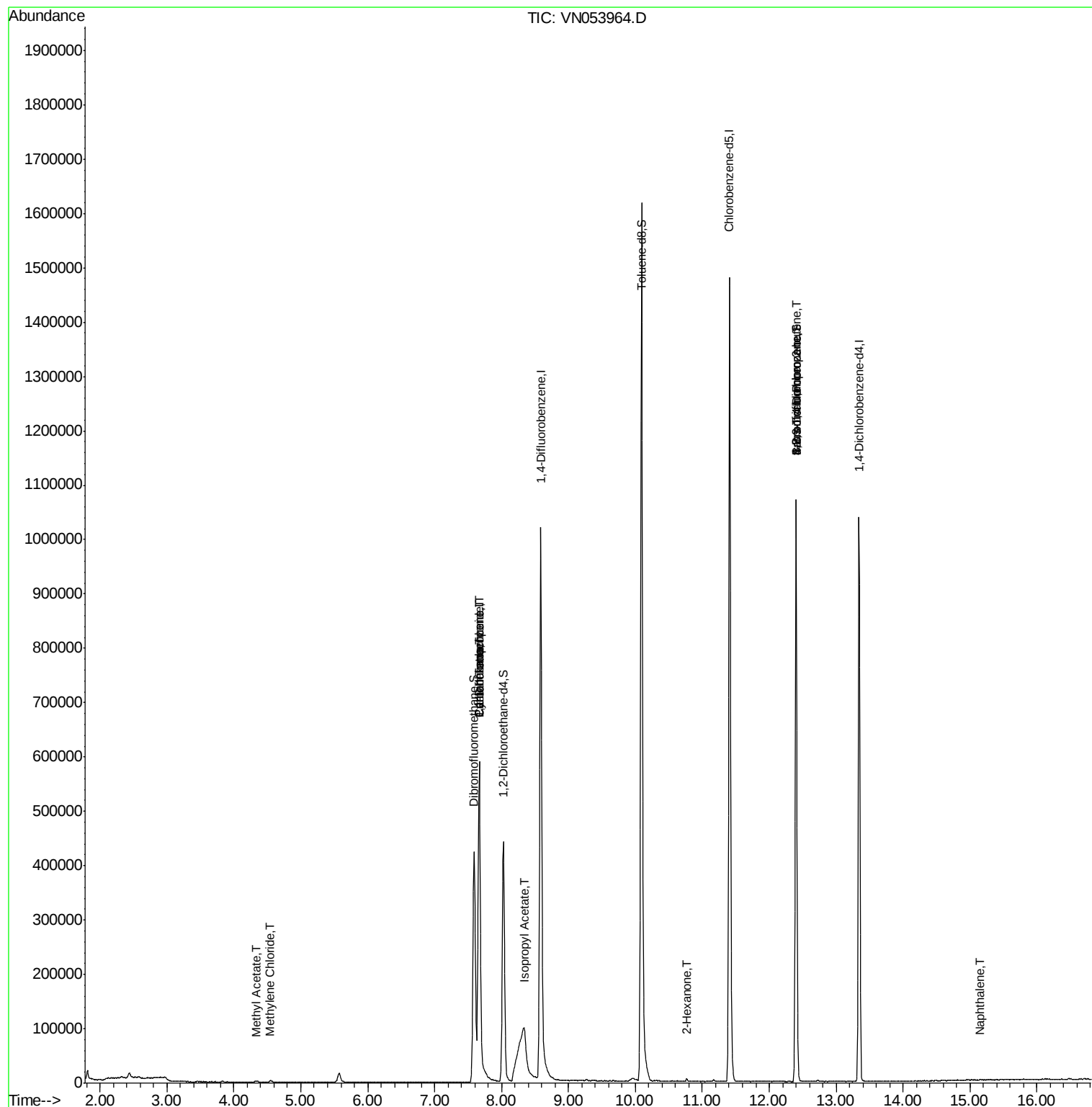
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.81	43	1587	Below Cal	#	83
18) Methyl Acetate	4.33	43	1858	0.413	ug/l	97
20) Methylene Chloride	4.54	84	2116	0.332	ug/l	87
31) Cyclohexane	7.67	56	10052	0.572	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	38709	4.081	ug/l #	47
38) Carbon Tetrachloride	7.67	117	48231	4.889	ug/l #	18
43) Isopropyl Acetate	8.34	43	288647	25.242	ug/l #	58
59) 2-Hexanone	10.76	43	977	0.256	ug/l #	22
71) Bromoform	12.40	173	2665	0.544	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	182944	38.908	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	182944	122.974	ug/l #	15
95) Naphthalene	15.14	128	33	3.214	ug/l #	70

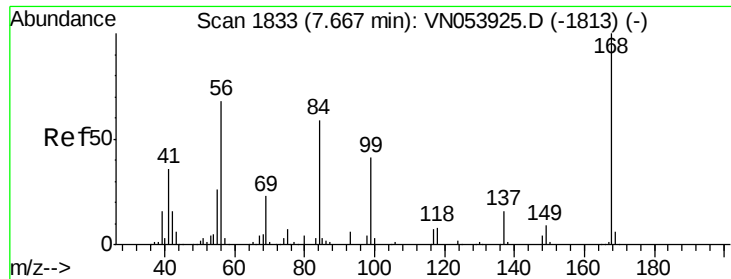
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053964.D

Acq: 26 Feb 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

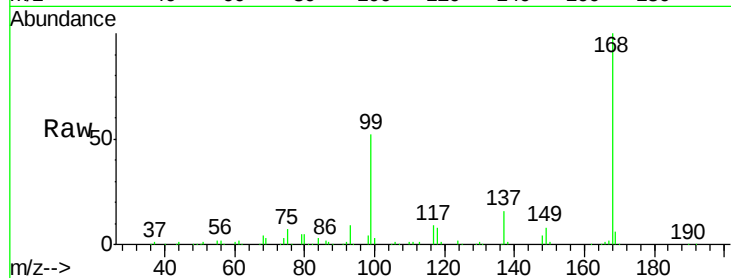
PB117375ZHE#07

Tot Ion:168 Resp: 548954

Ion Ratio Lower Upper

168 100

99 51.5 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): VN053925.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN053925.D (-1813) (-)

7.67

250000

200000

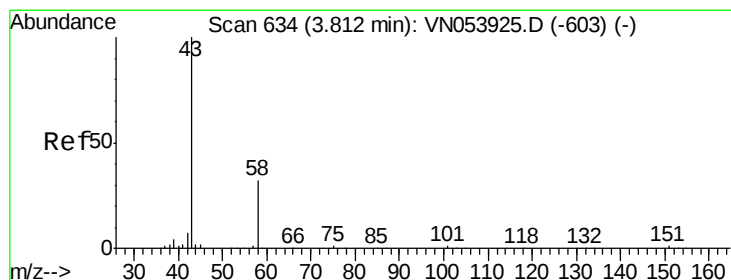
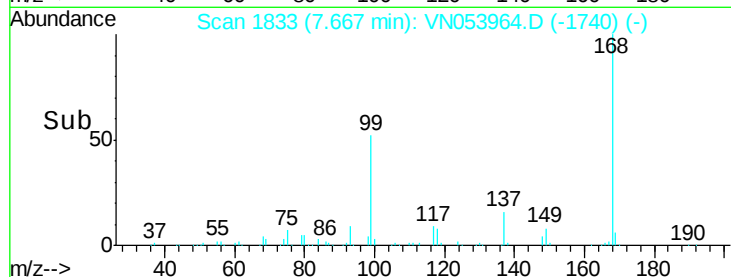
150000

100000

50000

0

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053964.D

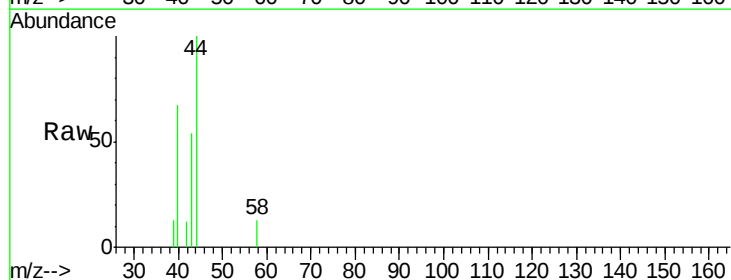
Acq: 26 Feb 2019 19:18

Tgt Ion: 43 Resp: 1587

Ion Ratio Lower Upper

43 100

58 24.7 27.6 41.4#



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN053925.D (-603) (-)

3.81

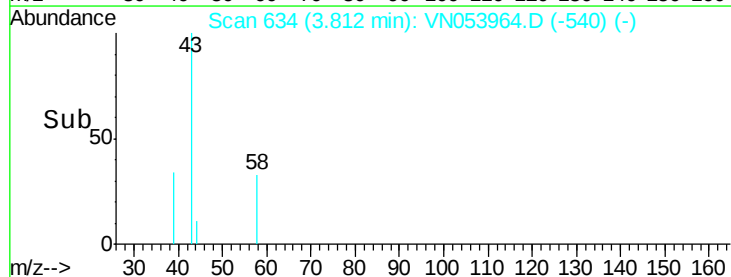
600

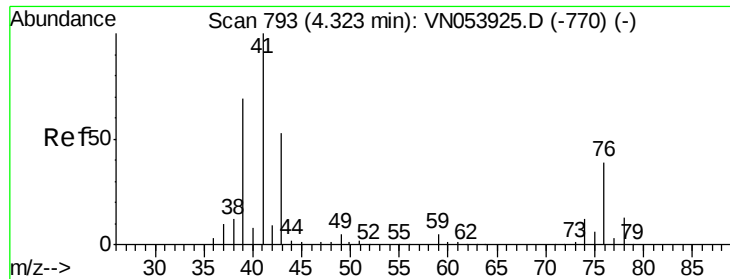
400

200

0

Time-->

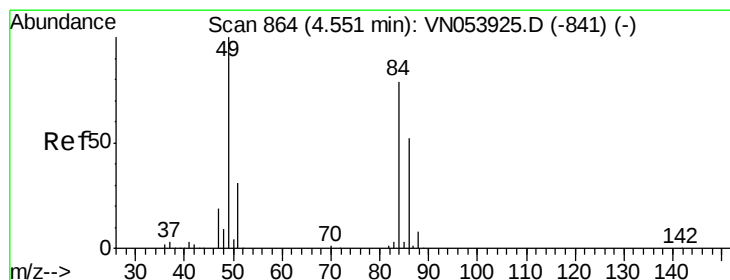
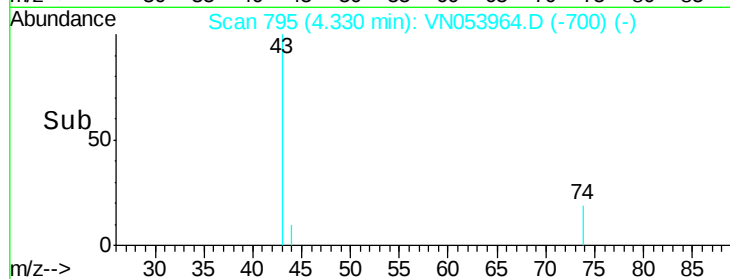
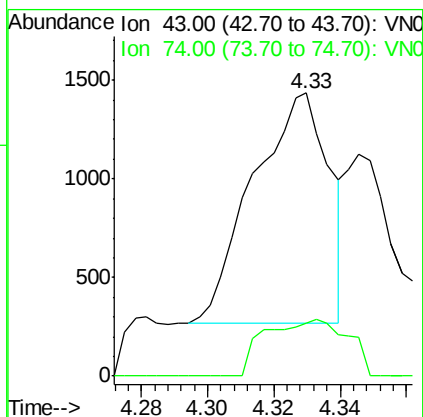
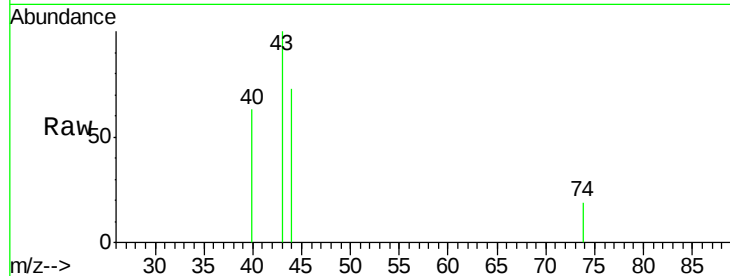




#18
Methyl Acetate
Concen: 0.413 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN053964.D
Acq: 26 Feb 2019 19:18

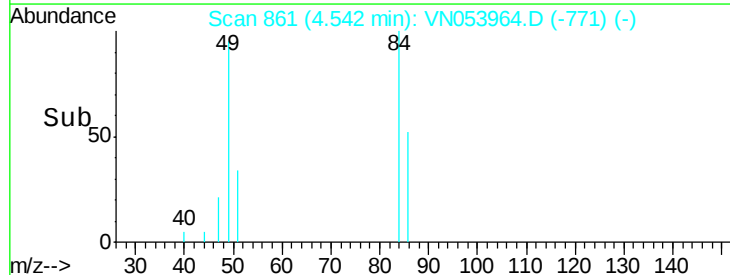
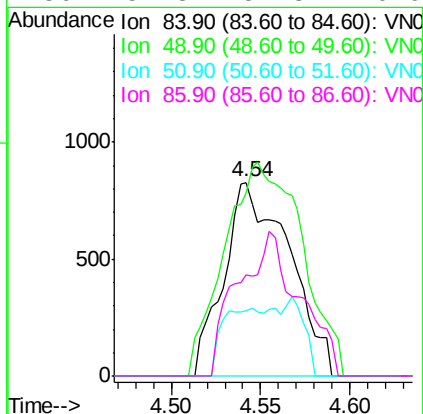
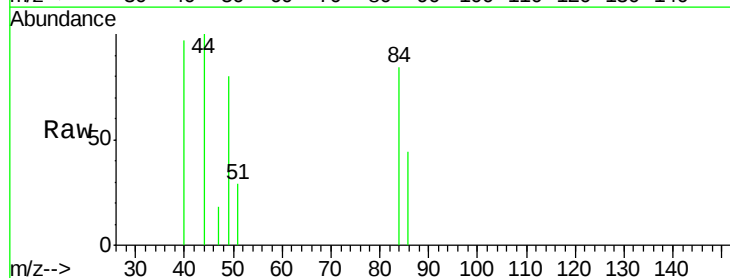
Instrument :
MSVOA_N
ClientSampleId :
PB117375ZHE#07

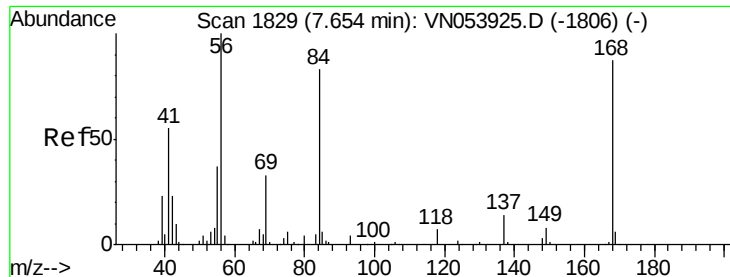
Tot Ion: 43 Resp: 1858
Ion Ratio Lower Upper
43 100
74 27.0 20.5 30.7



#20
Methylene Chloride
Concen: 0.332 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.01 min
Lab File: VN053964.D
Acq: 26 Feb 2019 19:18

Tgt Ion: 84 Resp: 2116
Ion Ratio Lower Upper
84 100
49 94.8 89.7 134.5
51 33.9 27.8 41.8
86 52.3 51.3 76.9





#31

Cyclohexane

Concen: 0.572 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN053964.D

Acq: 26 Feb 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

PB117375ZHE#07

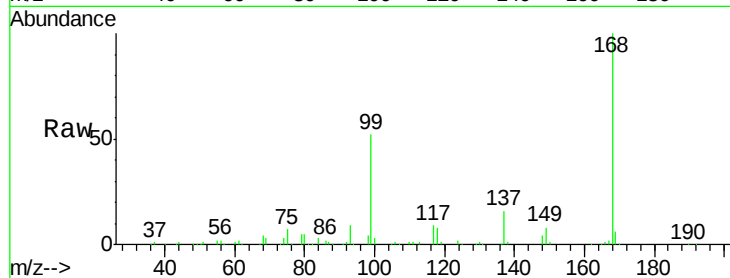
Tot Ion: 56 Resp: 10052

Ion Ratio Lower Upper

56 100

69 165.7 26.0 39.0#

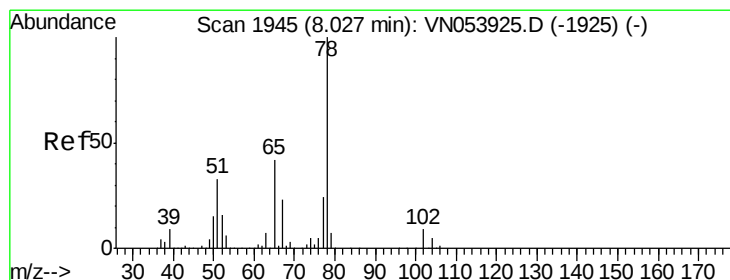
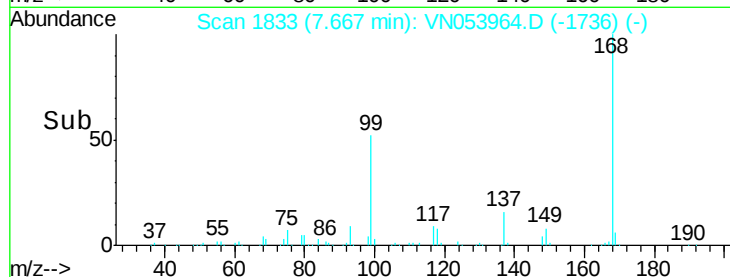
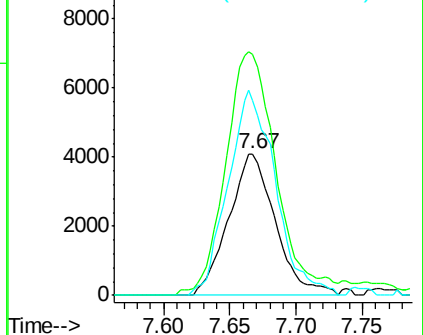
84 137.5 69.1 103.7#



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: 59.121 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053964.D

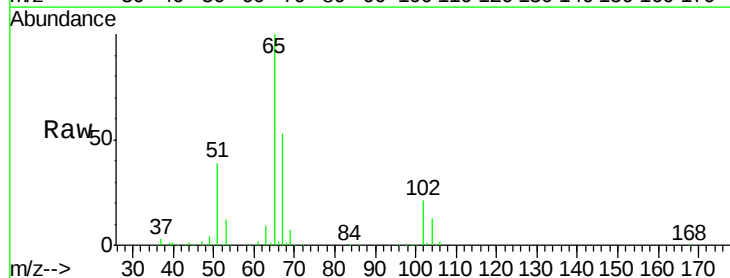
Acq: 26 Feb 2019 19:18

Tgt Ion: 65 Resp: 380442

Ion Ratio Lower Upper

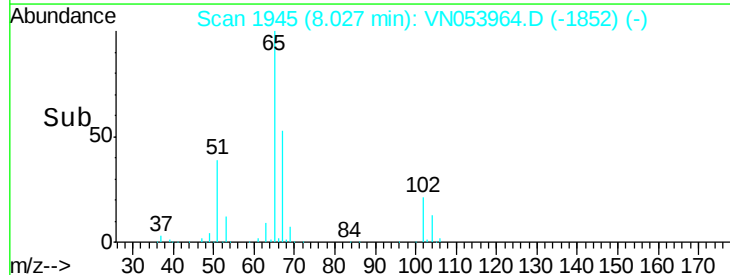
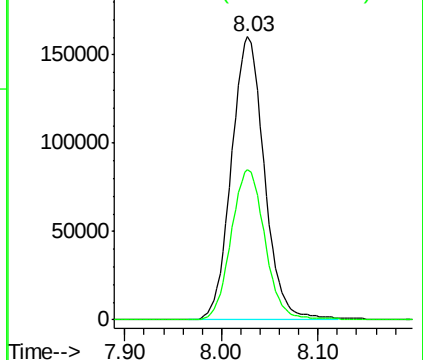
65 100

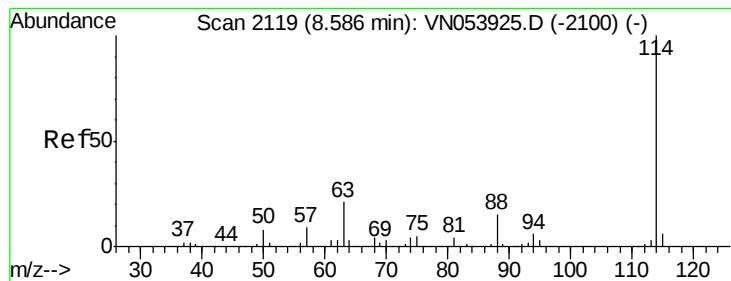
67 54.6 0.0 111.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053964.D

Acq: 26 Feb 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

PB117375ZHE#07

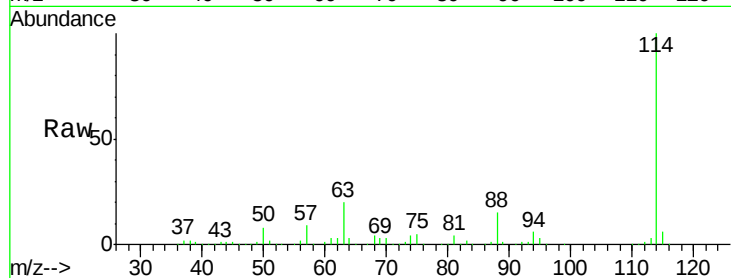
Tot Ion:114 Resp: 1019922

Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.4

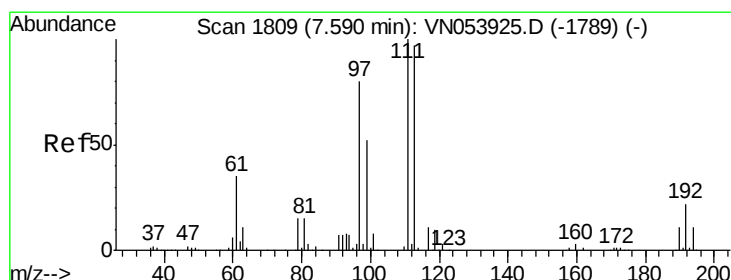
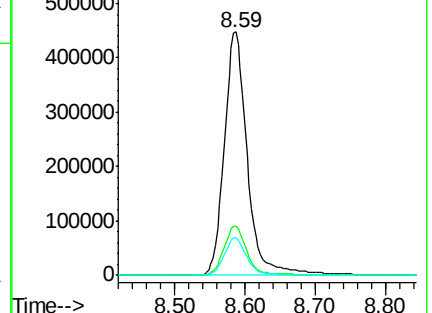
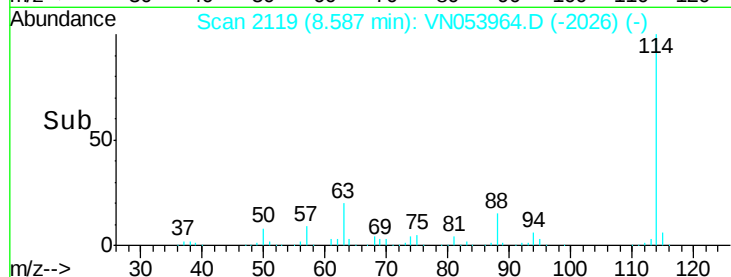
88 15.4 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 49.545 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053964.D

Acq: 26 Feb 2019 19:18

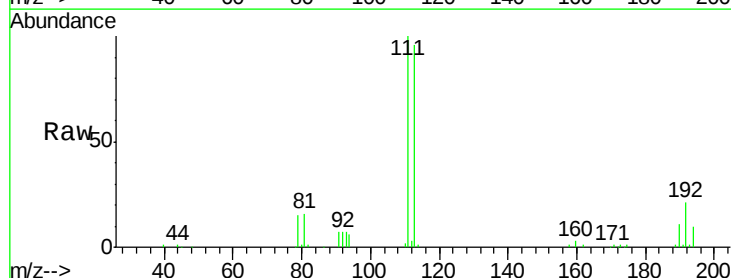
Tgt Ion:113 Resp: 326770

Ion Ratio Lower Upper

113 100

111 103.7 81.1 121.7

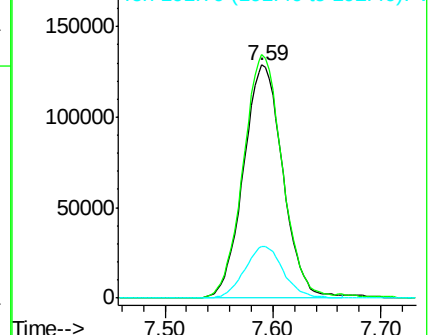
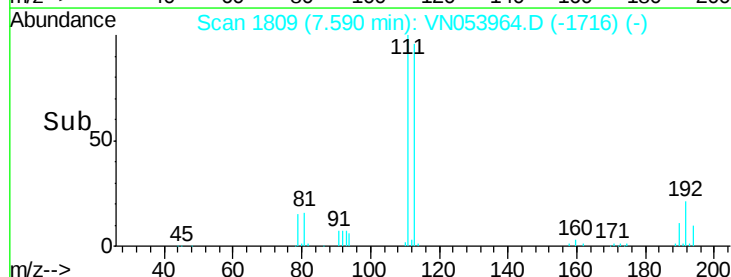
192 21.9 18.8 28.2

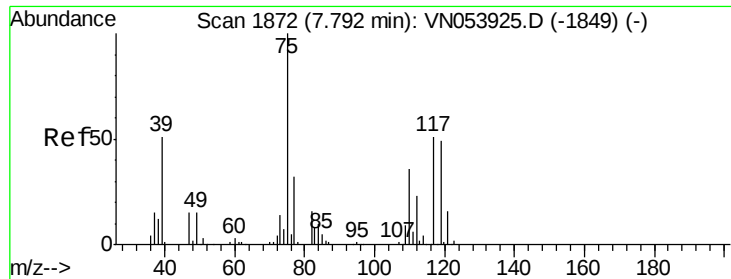


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

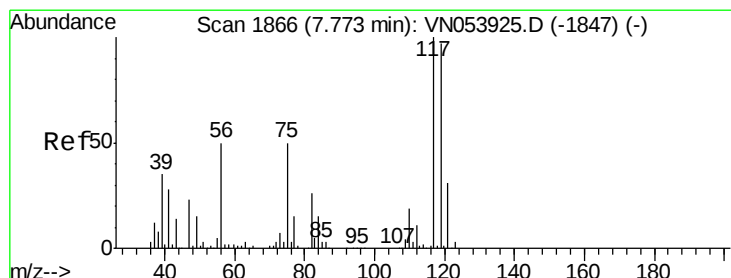
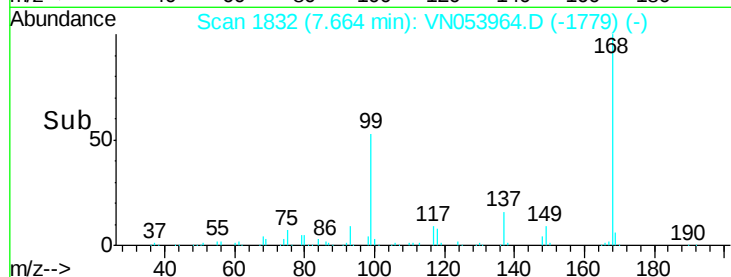
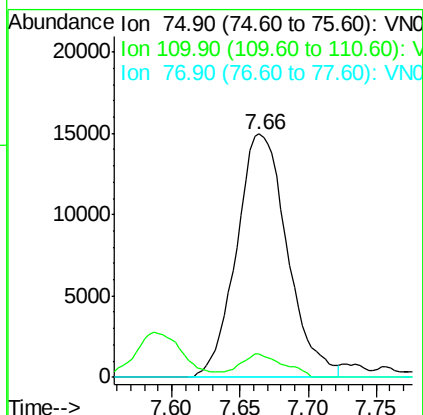
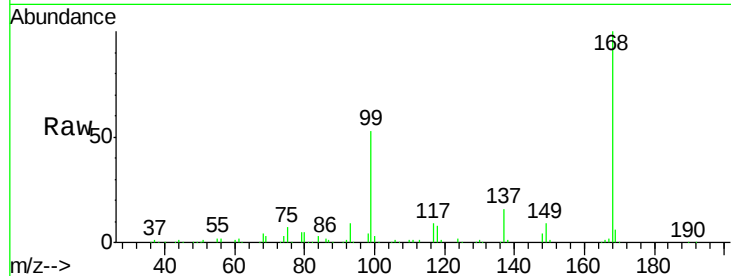




#36
 1,1-Dichloropropene
 Concen: 4.081 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053964.D
 Acq: 26 Feb 2019 19:18

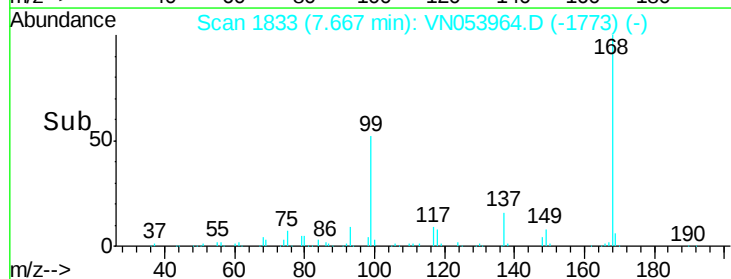
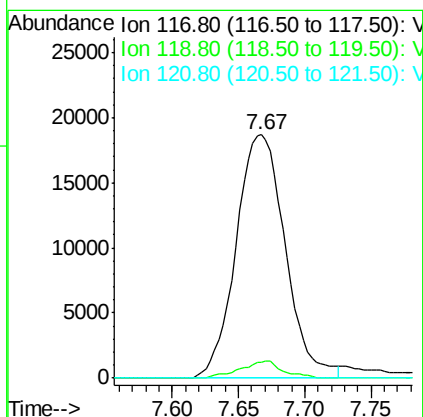
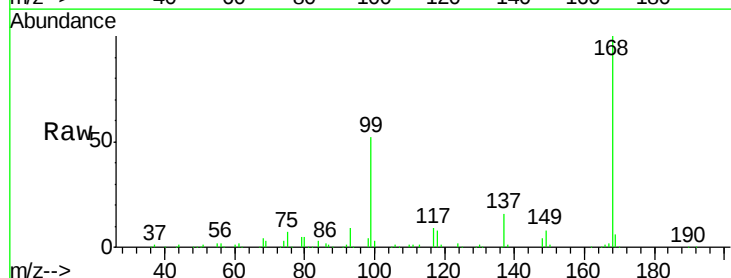
Instrument :
 MSVOA_N
 ClientSampleId :
 PB117375ZHE#07

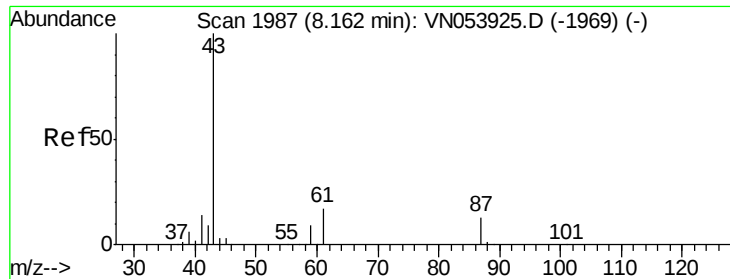
Tot Ion	75	Resp	38709
Ion Ratio	Lower	Upper	
75	100		
110	8.3	19.0	57.0#
77	0.0	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 4.889 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053964.D
 Acq: 26 Feb 2019 19:18

Tgt Ion	117	Resp	48231
Ion Ratio	Lower	Upper	
117	100		
119	6.7	76.2	114.2#
121	0.0	24.6	36.8#





#43

Isopropyl Acetate

Concen: 25.242 ug/l

RT: 8.34 min Scan# 2041

Delta R.T. 0.17 min

Lab File: VN053964.D

Acq: 26 Feb 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

PB117375ZHE#07

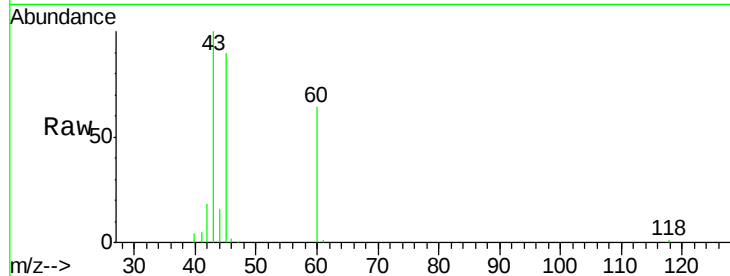
Tot Ion: 43 Resp: 288647

Ion Ratio Lower Upper

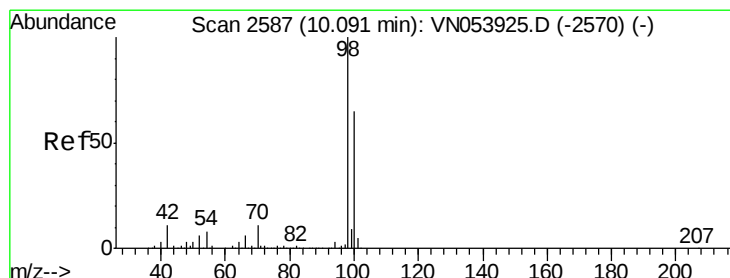
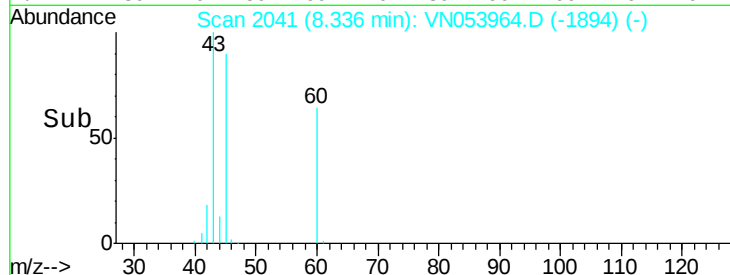
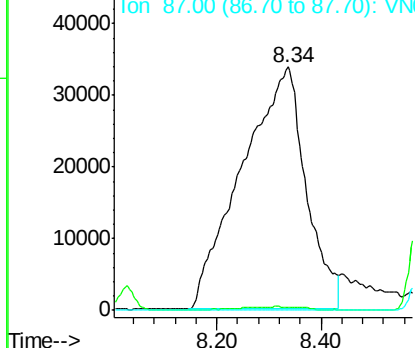
43 100

61 0.0 17.4 26.0#

87 0.0 11.5 17.3#



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



#50

Toluene-d8

Concen: 51.088 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053964.D

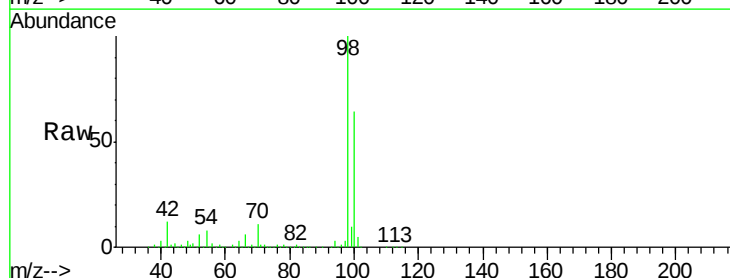
Acq: 26 Feb 2019 19:18

Tgt Ion: 98 Resp: 1254307

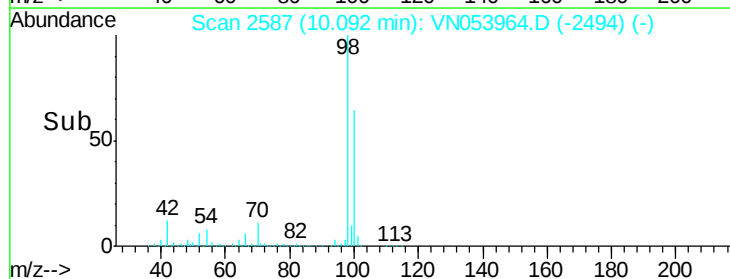
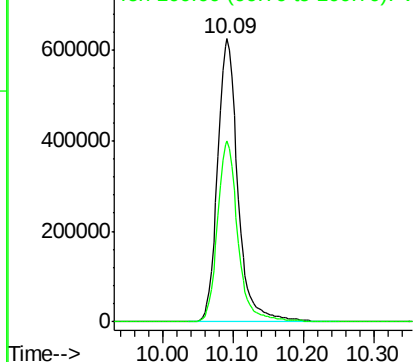
Ion Ratio Lower Upper

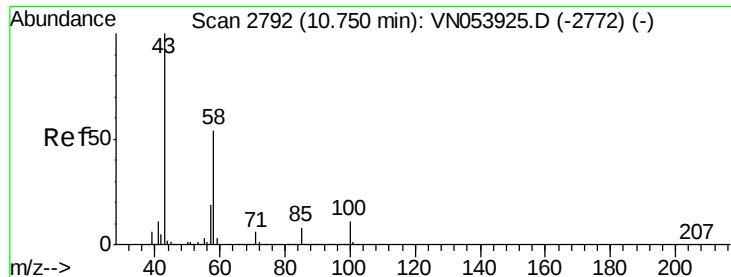
98 100

100 64.0 51.9 77.9



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

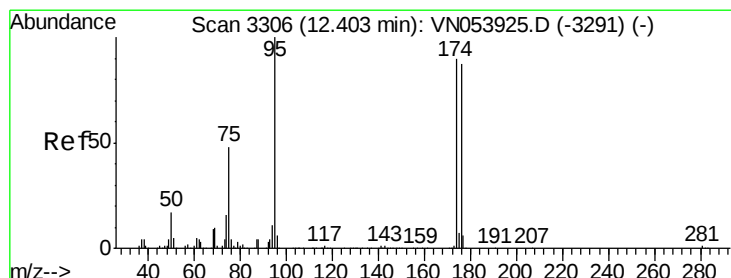
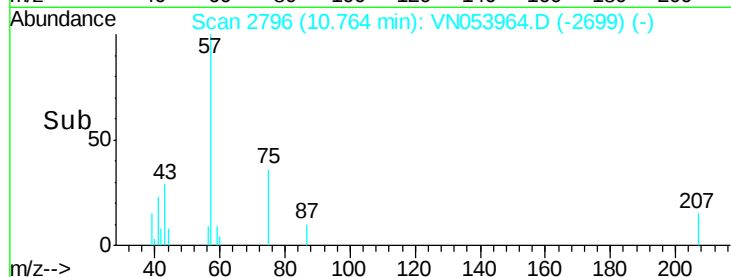
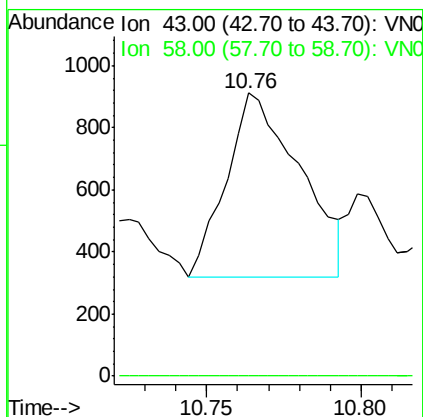
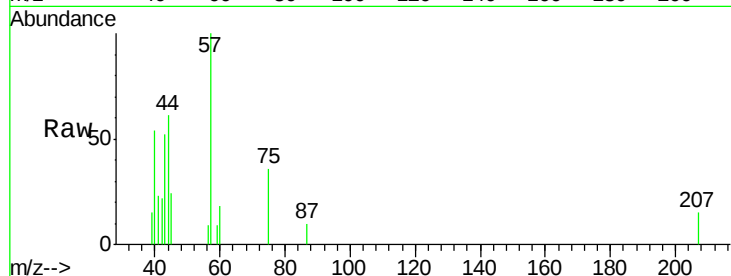




#59
2-Hexanone
Concen: 0.256 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053964.D
Acq: 26 Feb 2019 19:18

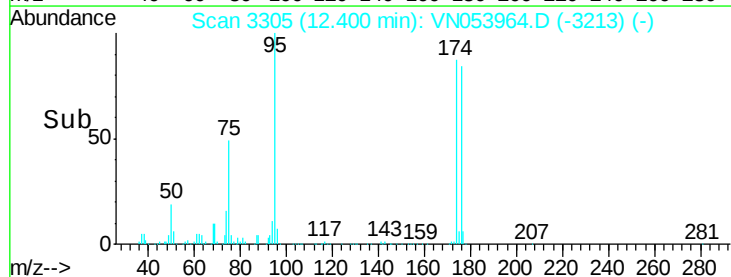
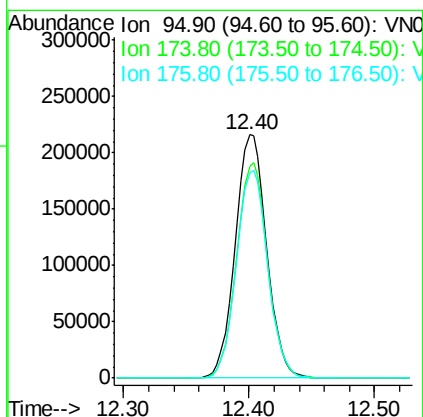
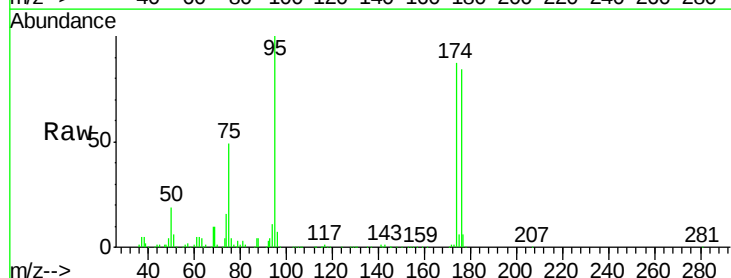
Instrument :
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ClientSampleId :
PB117375ZHE#07

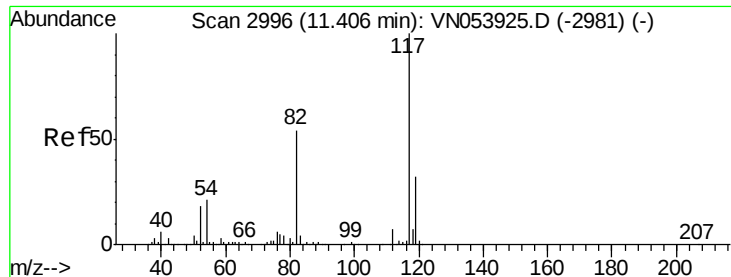
Tot Ion: 43 Resp: 977
Ion Ratio Lower Upper
43 100
58 0.0 29.1 87.4#



#62
4-Bromofluorobenzene
Concen: 45.946 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053964.D
Acq: 26 Feb 2019 19:18

Tgt Ion: 95 Resp: 375834
Ion Ratio Lower Upper
95 100
174 87.4 0.0 188.8
176 85.3 0.0 182.6

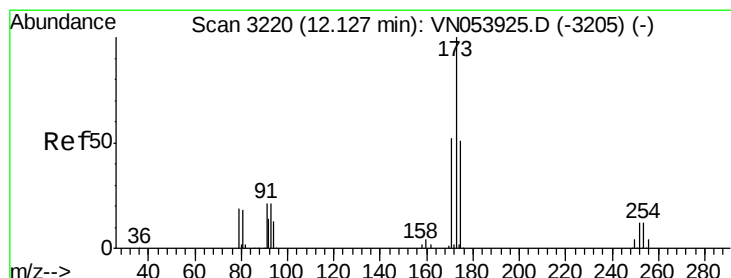
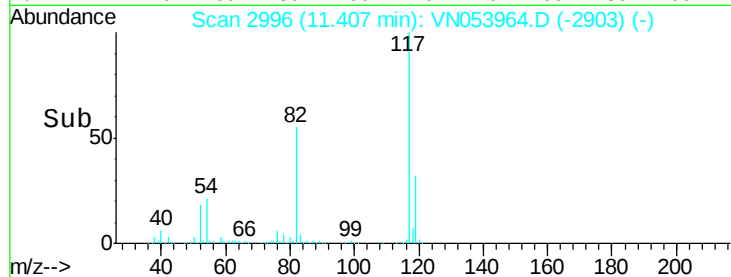
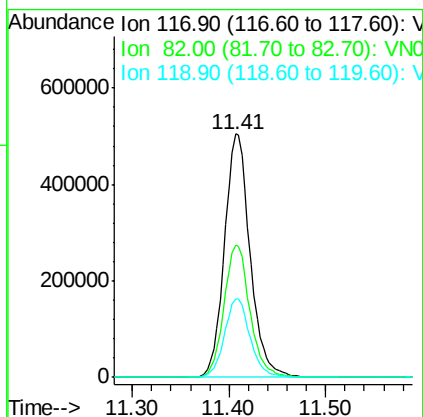
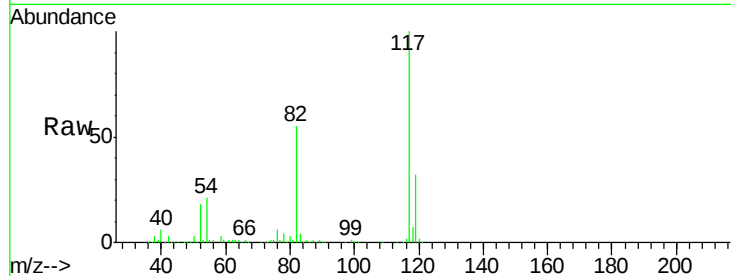




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053964.D
Acq: 26 Feb 2019 19:18

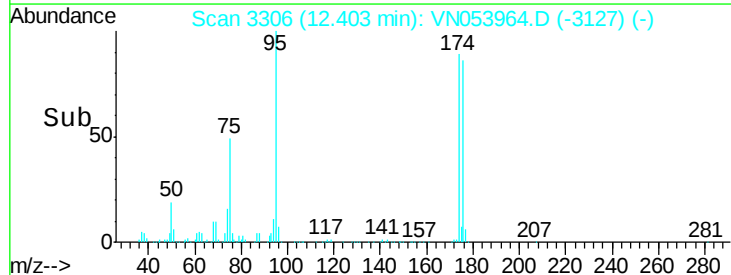
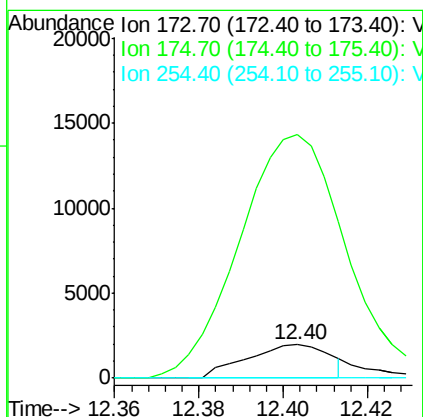
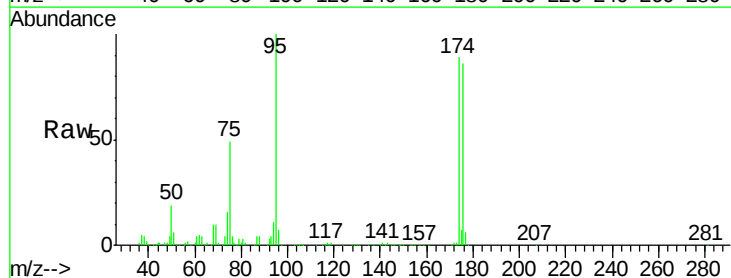
Instrument :
MSVOA_N
ClientSampleId :
PB117375ZHE#07

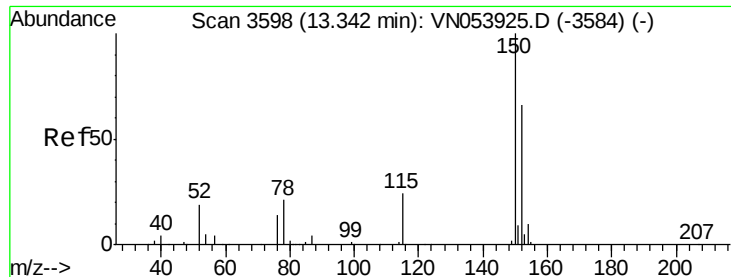
Tot Ion:117 Resp: 926609
Ion Ratio Lower Upper
117 100
82 54.5 41.4 62.2
119 32.4 25.3 37.9



#71
Bromoform
Concen: 0.544 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053964.D
Acq: 26 Feb 2019 19:18

Tgt Ion:173 Resp: 2665
Ion Ratio Lower Upper
173 100
175 805.7 24.3 72.8#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN053964.D

Acq: 26 Feb 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

PB117375ZHE#07

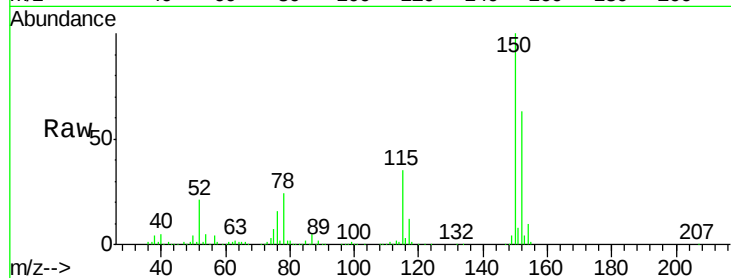
Tot Ion:152 Resp: 293107

Ion Ratio Lower Upper

152 100

115 56.2 27.2 81.6

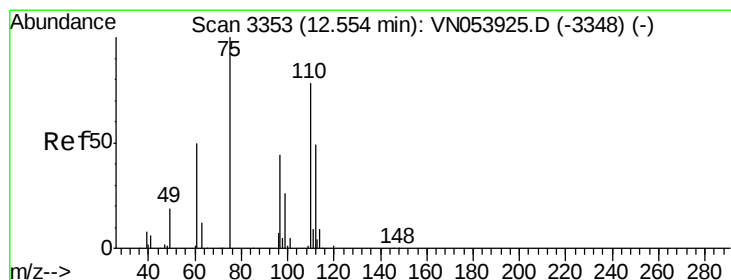
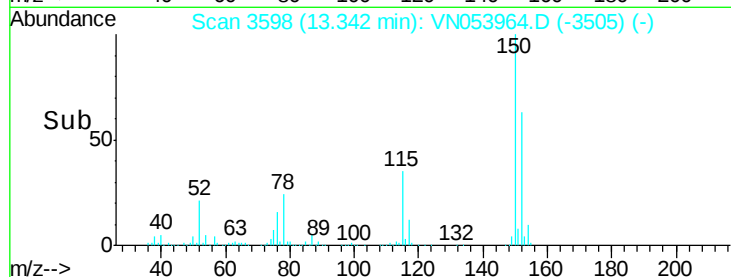
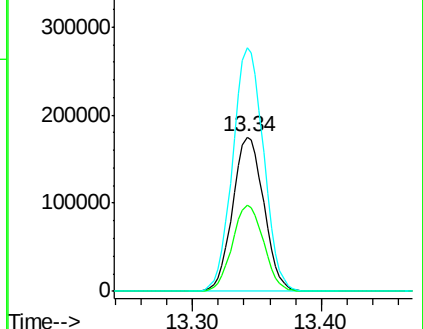
150 157.2 0.0 348.2



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: 38.908 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053964.D

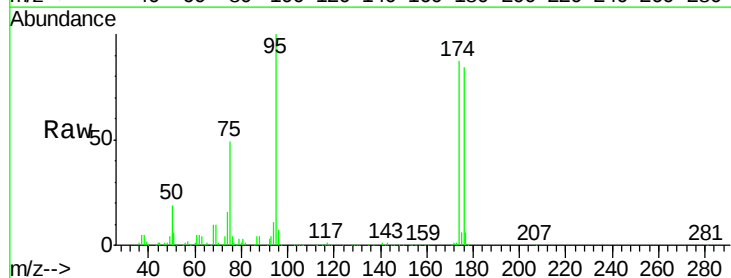
Acq: 26 Feb 2019 19:18

Tgt Ion: 75 Resp: 182944

Ion Ratio Lower Upper

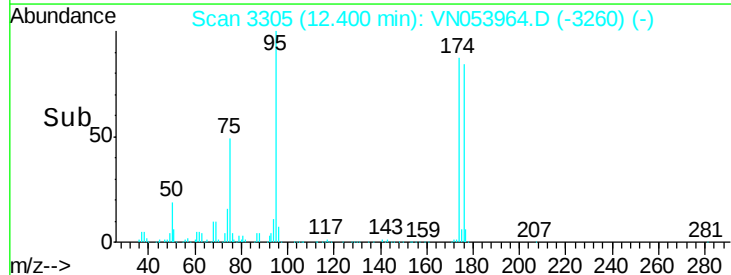
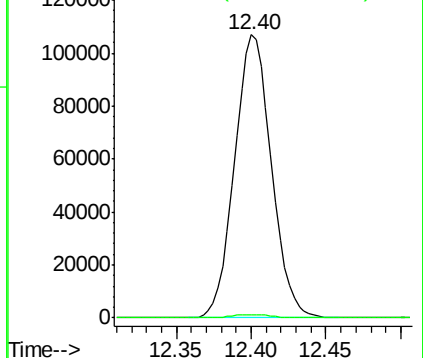
75 100

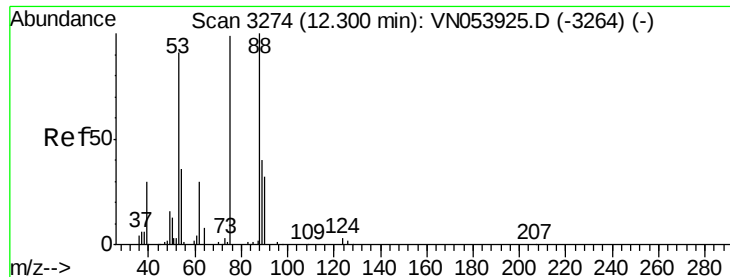
77 1.2 0.0 0.0#



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: 122.974 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053964.D

Acq: 26 Feb 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

PB117375ZHE#07

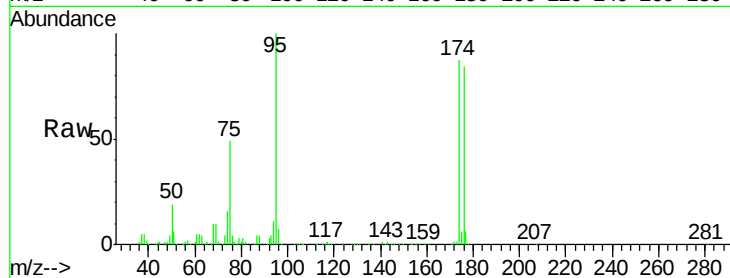
Tot Ion: 75 Resp: 182944

Ion Ratio Lower Upper

75 100

53 0.1 68.6 102.8#

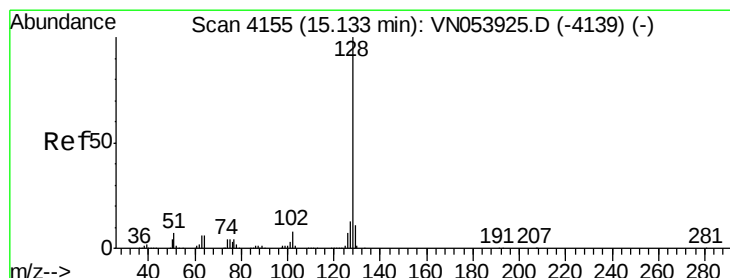
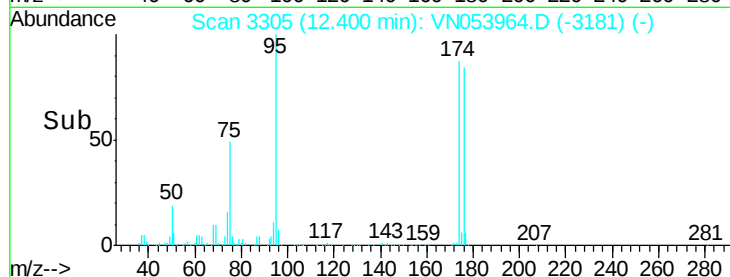
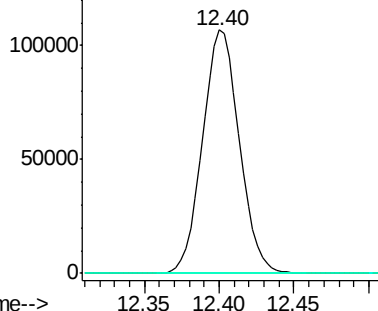
89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN053925.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN053925.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN053925.D (-3264) (-)



#95

Naphthalene

Concen: 3.214 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053964.D

Acq: 26 Feb 2019 19:18

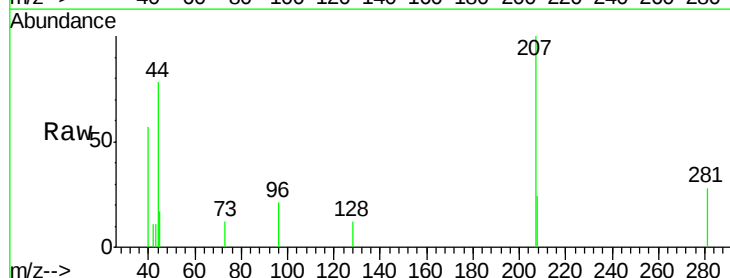
Tgt Ion: 128 Resp: 33

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN053925.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN053925.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN053925.D (-4139) (-)

