

Data File : VN051932.D
Acq On : 18 Oct 2018 22:15
Operator : MD\SY
Sample : PB113940TB
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
PB113940TB

Quant Time: Oct 19 06:53:37 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 19 05:11:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	968432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1399403	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1217428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	406623	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	514128	57.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.54%	
35) Dibromofluoromethane	7.59	113	523741	58.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.76%	
50) Toluene-d8	10.09	98	1908996	58.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.92%	
62) 4-Bromofluorobenzene	12.40	95	516441	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds

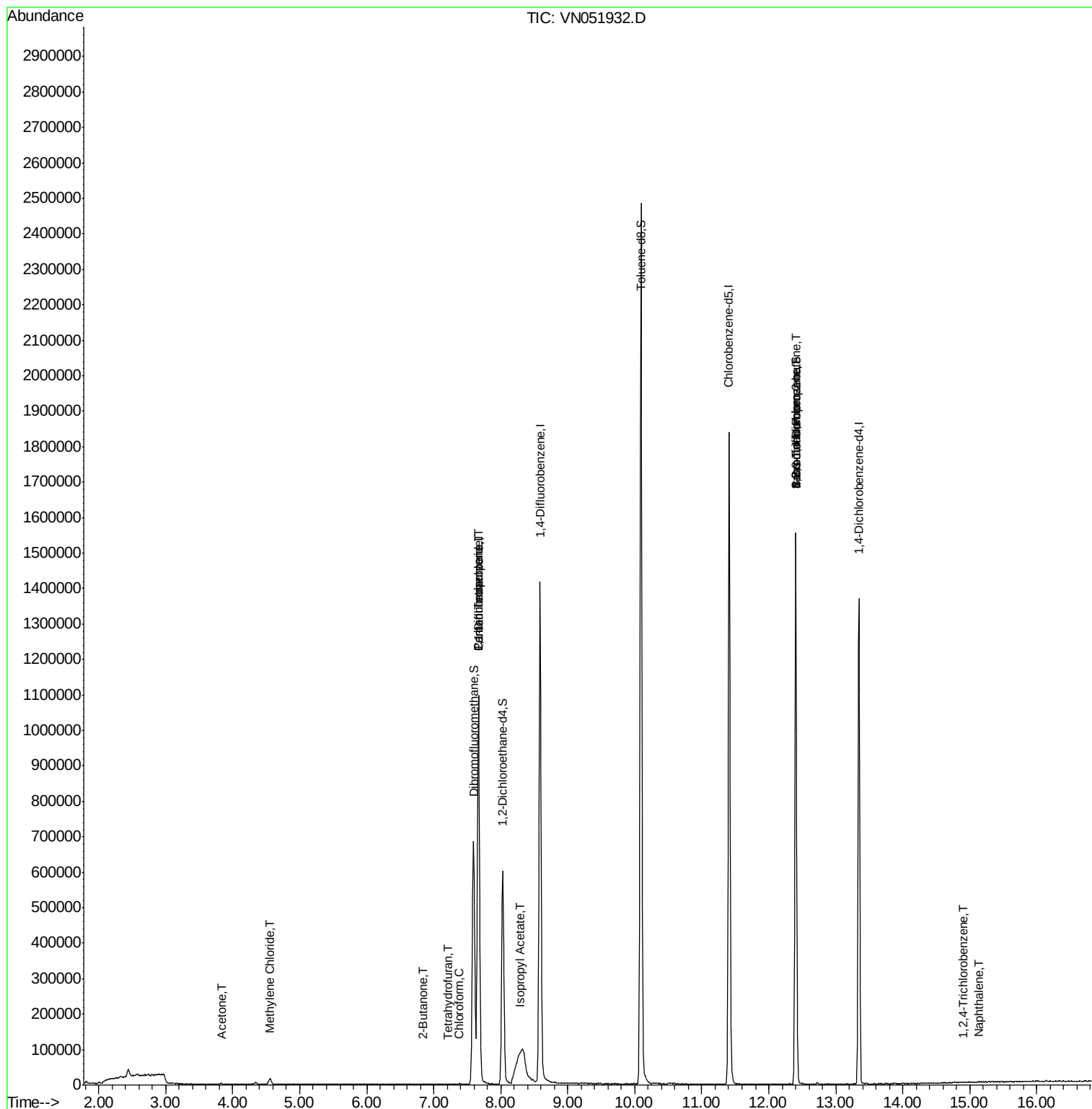
					Qvalue	
5) Bromomethane	2.57	94	1422	Below Cal		86
16) Acetone	3.83	43	2829	1.780 ug/l		89
18) Methyl Acetate	4.34	43	7752	Below Cal		94
20) Methylene Chloride	4.56	84	13807	1.708 ug/l		88
25) 2-Butanone	6.84	43	731	0.322 ug/l #		41
29) Tetrahydrofuran	7.20	42	325	0.234 ug/l #		62
30) Chloroform	7.38	83	3225	0.212 ug/l #		69
31) Cyclohexane	7.66	56	16735	Below Cal #		45
36) 1,1-Dichloropropene	7.66	75	57466	5.291 ug/l #		45
37) Ethyl Acetate	6.93	43	172	Below Cal #		64
38) Carbon Tetrachloride	7.67	117	86554	6.767 ug/l #		16
43) Isopropyl Acetate	8.28	43	128887	12.021 ug/l #		50
71) Bromoform	12.40	173	4775	3.889 ug/l #		1
76) 1,2,3-Trichloropropane	12.40	75	263876	53.392 ug/l #		100
79) 2-Chlorotoluene	12.59	91	151	Below Cal #		36
81) trans-1,4-Dichloro-2-buten	12.40	75	263876	175.445 ug/l #		14
93) 1,2,4-Trichlorobenzene	14.91	180	111	4.077 ug/l #		13
95) Naphthalene	15.14	128	98	4.068 ug/l #		70

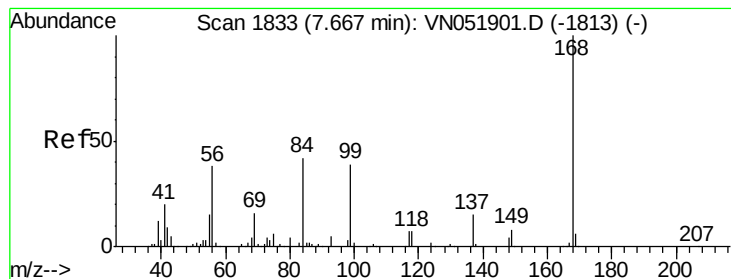
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN051932.D

Acq: 18 Oct 2018 22:15

Instrument :

MSVOA_N

ClientSampleId :

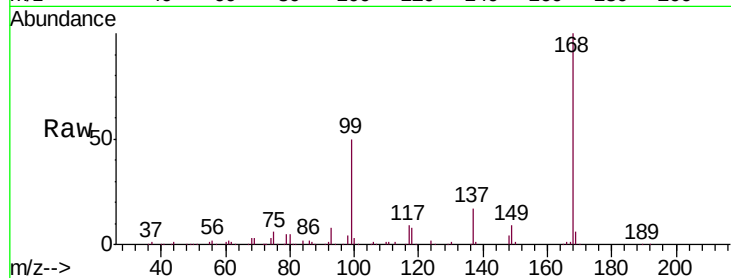
PB113940TB

Tgt Ion:168 Resp: 968432

Ion Ratio Lower Upper

168 100

99 50.2 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

400000

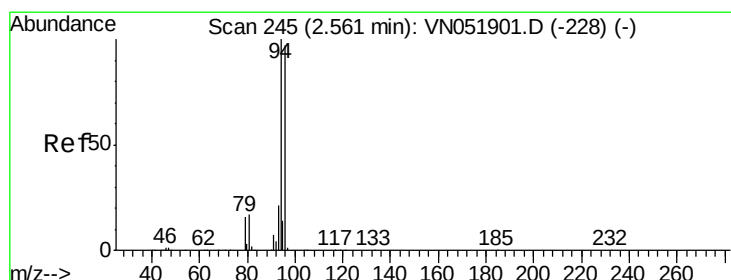
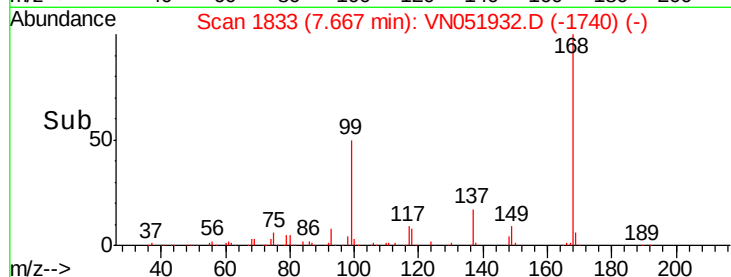
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051932.D

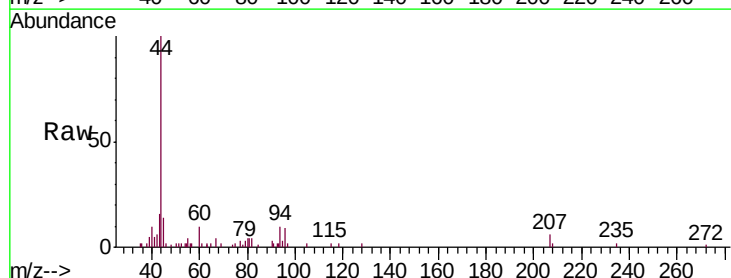
Acq: 18 Oct 2018 22:15

Tgt Ion: 94 Resp: 1422

Ion Ratio Lower Upper

94 100

96 110.6 77.5 116.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

1200

1000

800

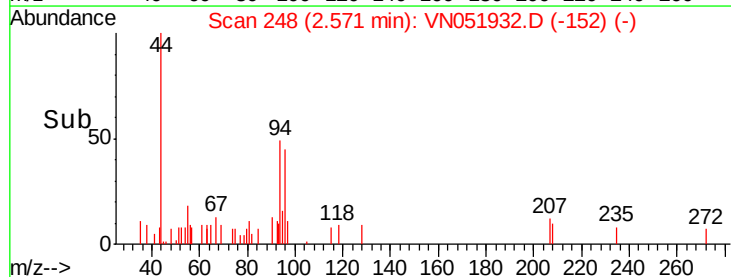
600

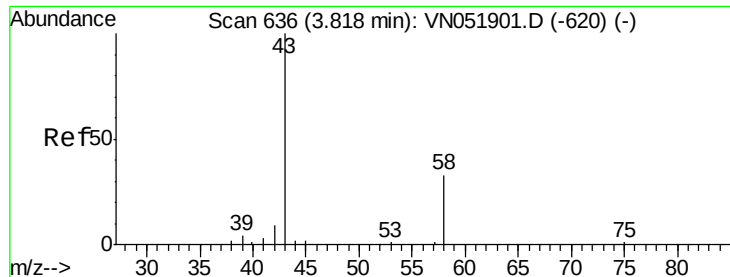
400

200

0

Time-->





#16

Acetone

Concen: 1.780 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN051932.D

Acq: 18 Oct 2018 22:15

Instrument :

MSVOA_N

ClientSampled :

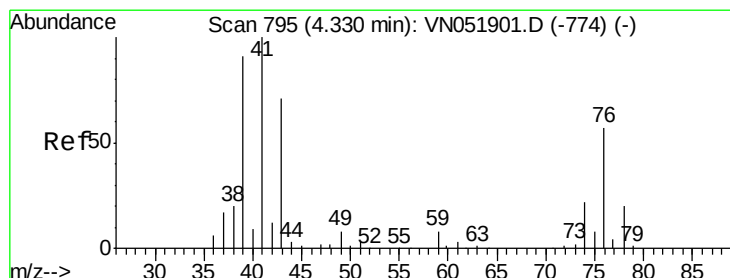
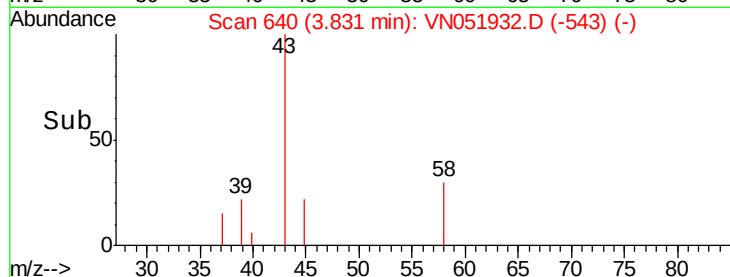
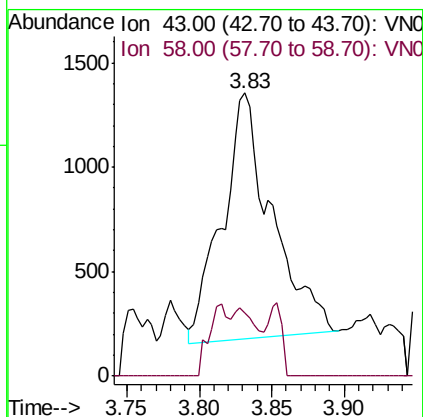
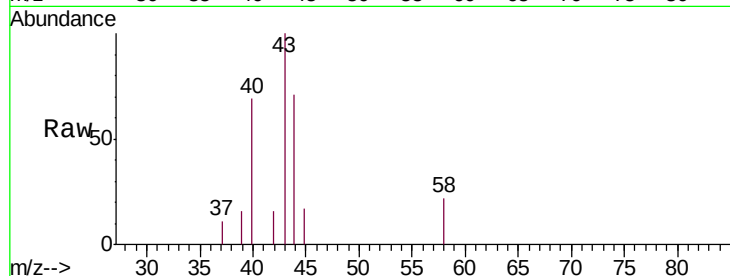
PB113940TB

Tgt Ion: 43 Resp: 2829

Ion Ratio Lower Upper

43 100

58 26.5 25.9 38.9



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN051932.D

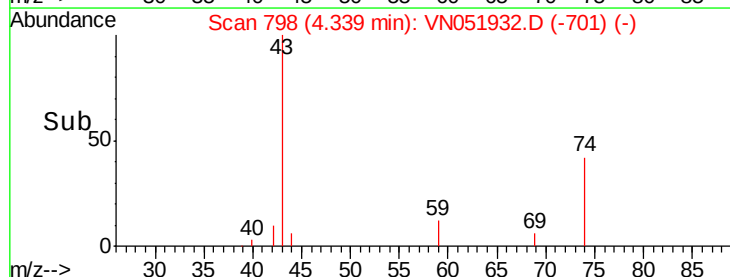
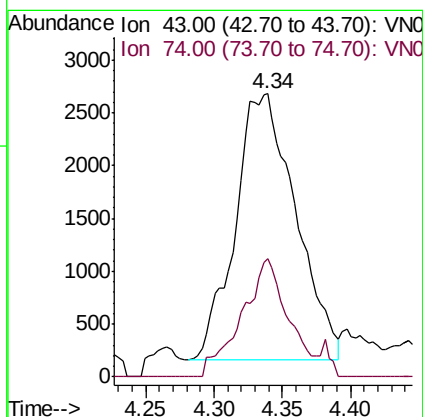
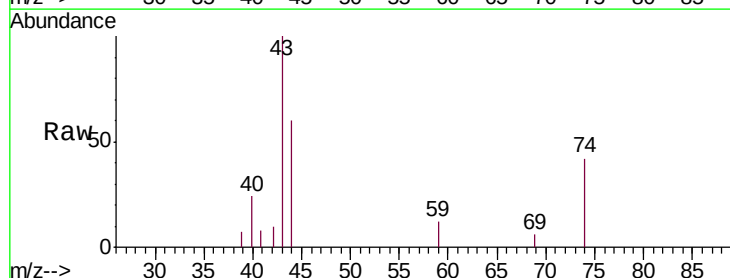
Acq: 18 Oct 2018 22:15

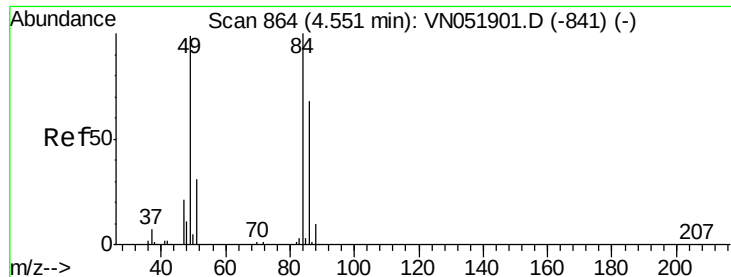
Tgt Ion: 43 Resp: 7752

Ion Ratio Lower Upper

43 100

74 34.4 24.9 37.3

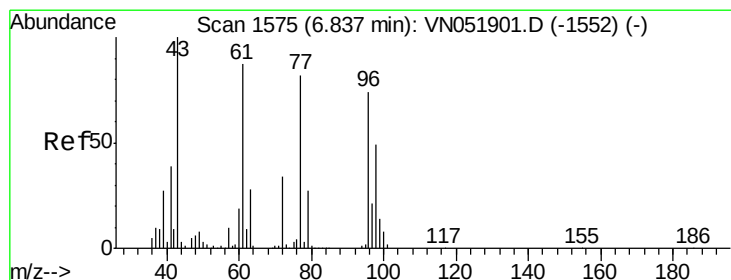
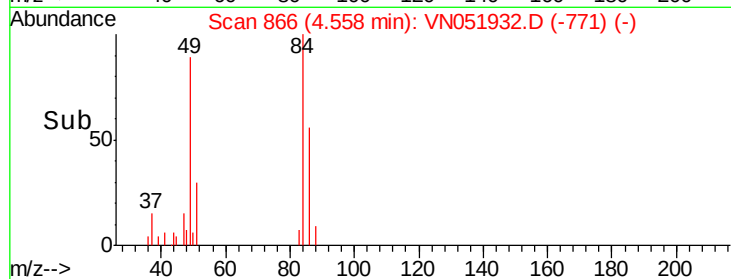
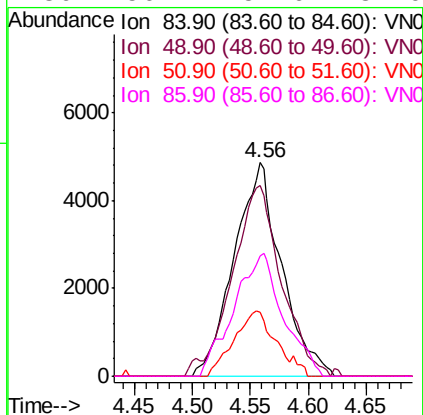
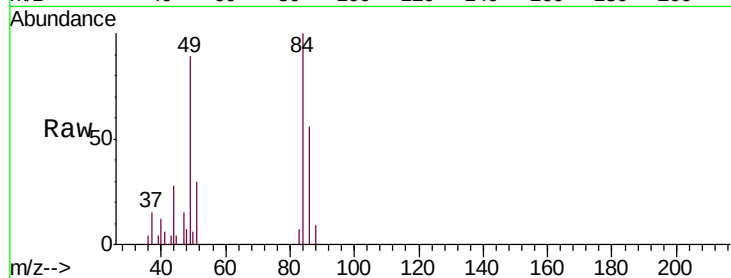




#20
Methylene Chloride
Concen: 1.708 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN051932.D
Acq: 18 Oct 2018 22:15

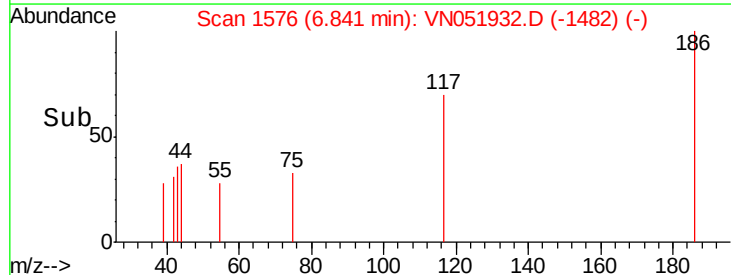
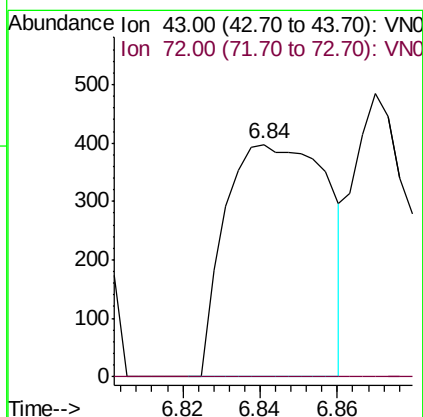
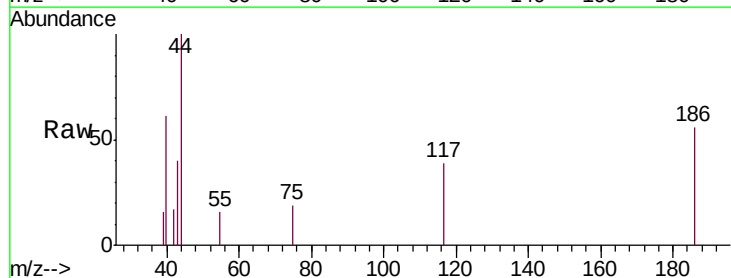
Instrument :
MSVOA_N
ClientSampled :
PB113940TB

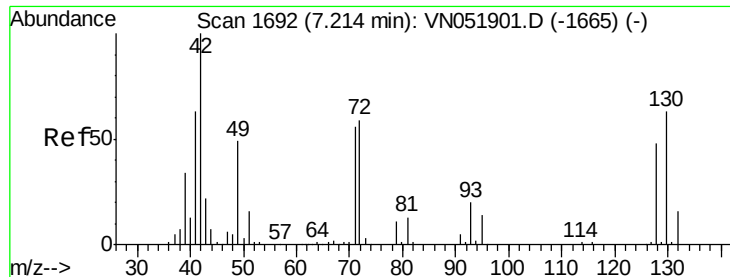
Tgt Ion:	84	Resp:	13807
Ion	Ratio	Lower	Upper
84	100		
49	86.2	79.0	118.4
51	29.7	24.9	37.3
86	56.2	54.6	82.0



#25
2-Butanone
Concen: 0.322 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051932.D
Acq: 18 Oct 2018 22:15

Tgt Ion:	43	Resp:	731
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.0	40.6#





#29

Tetrahydrofuran

Concen: 0.234 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VN051932.D

Acq: 18 Oct 2018 22:15

Instrument :

MSVOA_N

ClientSampleId :

PB113940TB

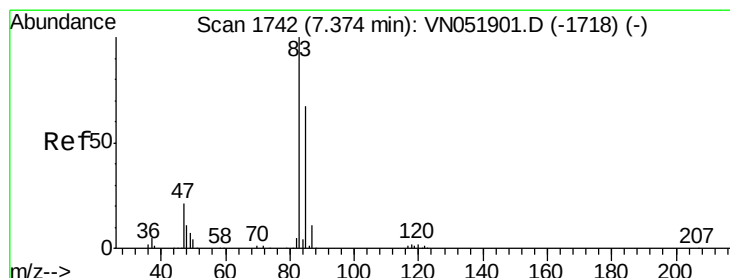
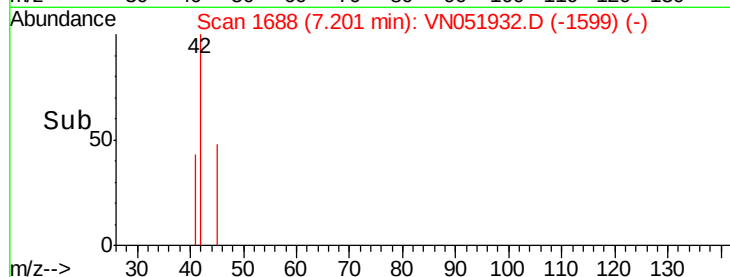
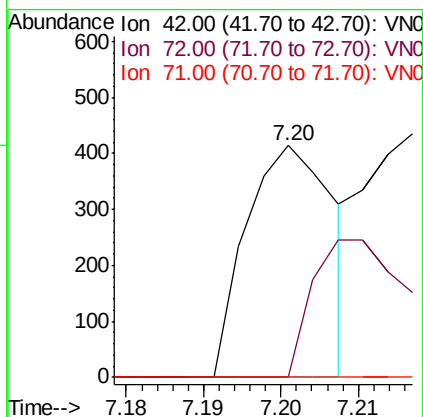
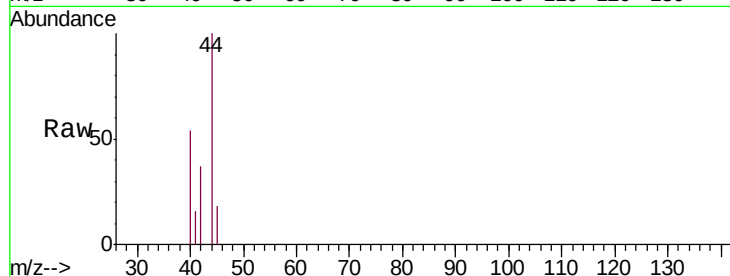
Tgt Ion: 42 Resp: 325

Ion Ratio Lower Upper

42 100

72 59.7 47.7 71.5

71 0.0 45.4 68.0#



#30

Chloroform

Concen: 0.212 ug/l

RT: 7.38 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VN051932.D

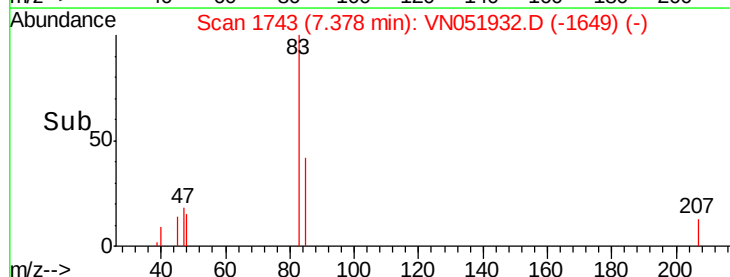
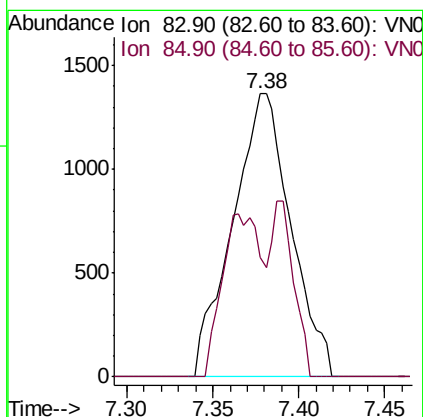
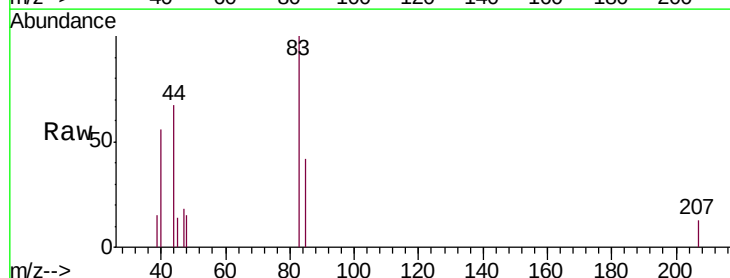
Acq: 18 Oct 2018 22:15

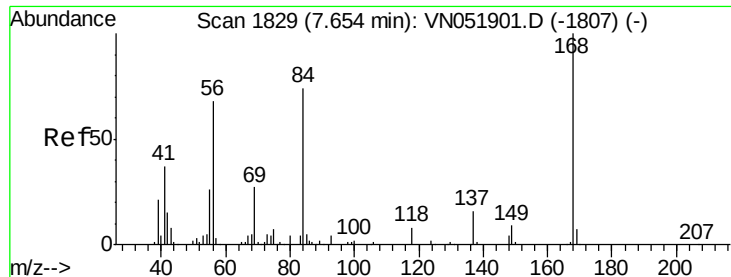
Tgt Ion: 83 Resp: 3225

Ion Ratio Lower Upper

83 100

85 42.2 53.4 80.2#

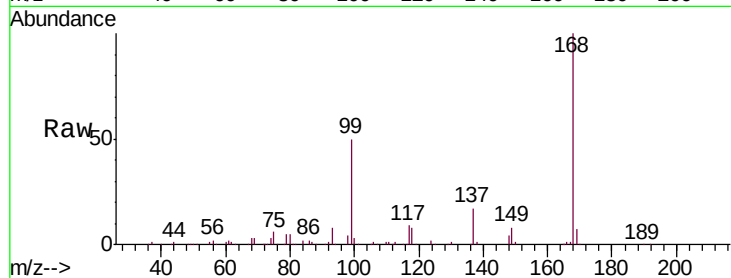




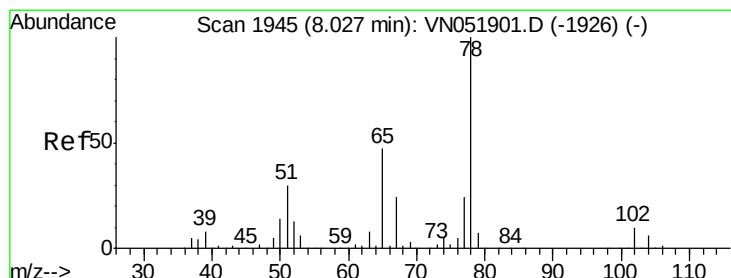
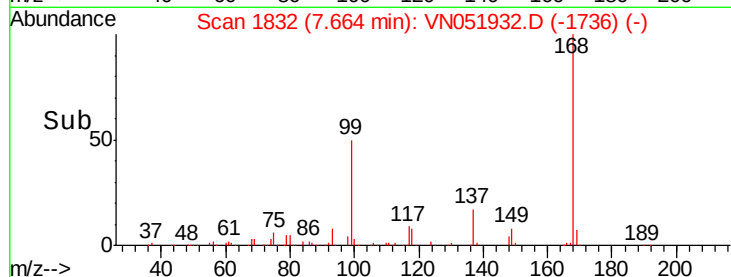
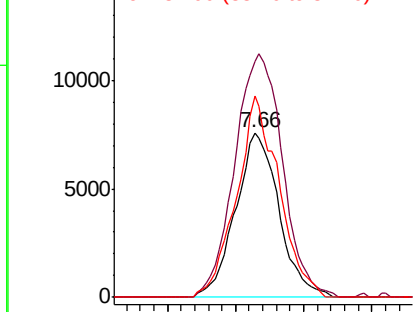
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN051932.D
Acq: 18 Oct 2018 22:15

Instrument :
MSVOA_N
ClientSampleId :
PB113940TB

Tgt Ion: 56 Resp: 16735
Ion Ratio Lower Upper
56 100
69 143.5 31.2 46.8#
84 122.6 86.6 130.0

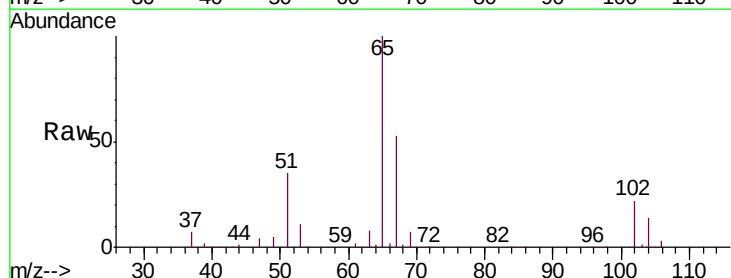


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

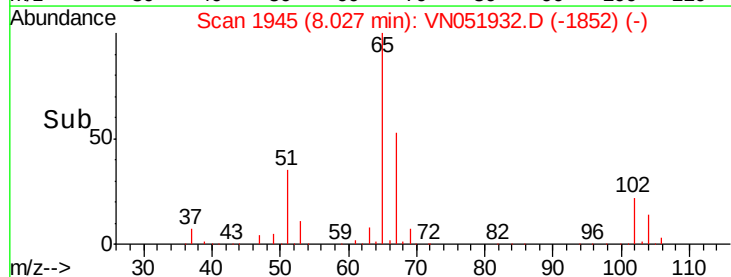
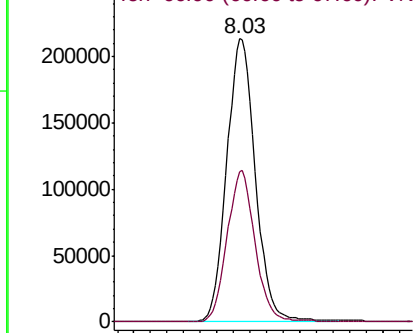


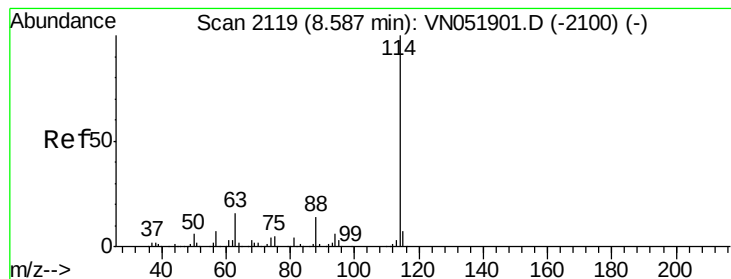
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN051932.D
Acq: 18 Oct 2018 22:15

Tgt Ion: 65 Resp: 514128
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.0



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: VN051932.D

Acq: 18 Oct 2018 22:15

Instrument :

MSVOA_N

ClientSampleId :

PB113940TB

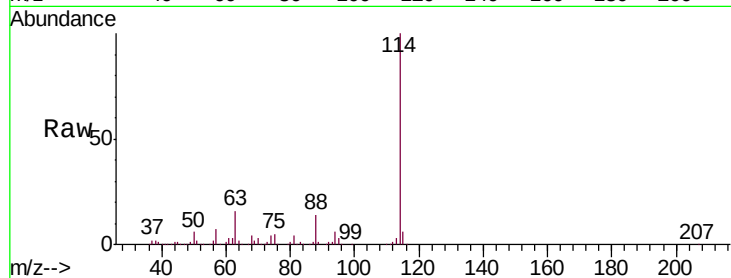
Tgt Ion:114 Resp: 1399403

Ion Ratio Lower Upper

114 100

63 16.1 0.0 31.8

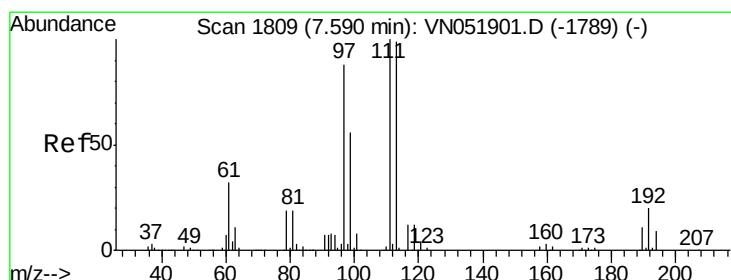
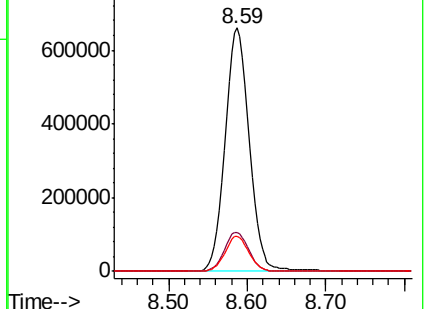
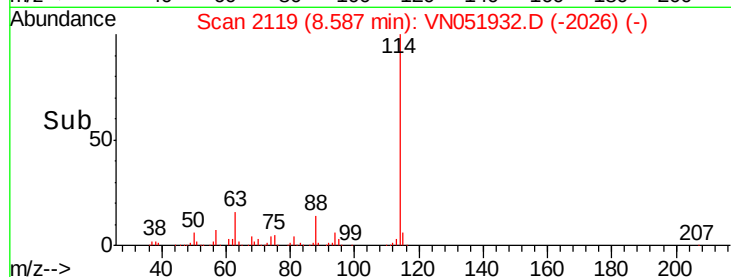
88 14.4 0.0 28.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN051932.D

Acq: 18 Oct 2018 22:15

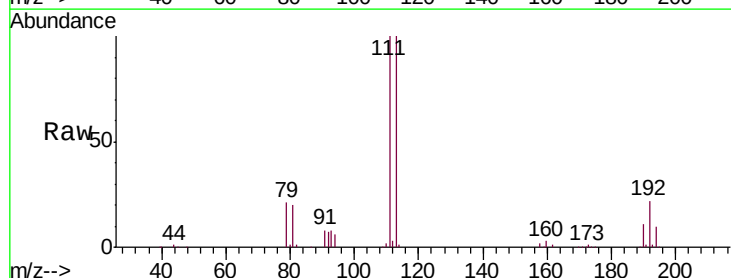
Tgt Ion:113 Resp: 523741

Ion Ratio Lower Upper

113 100

111 101.4 82.6 123.8

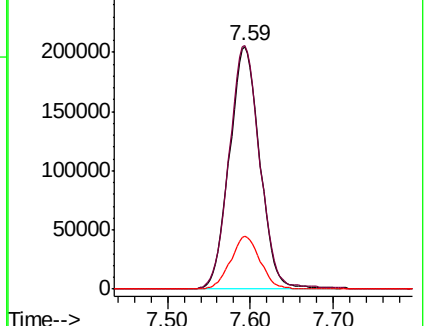
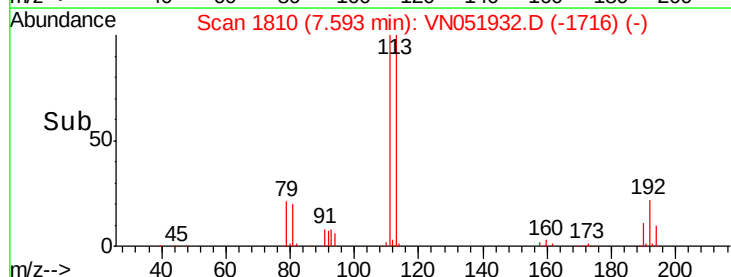
192 21.2 17.3 25.9

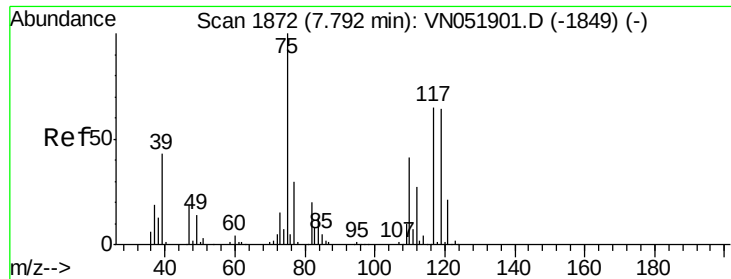


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

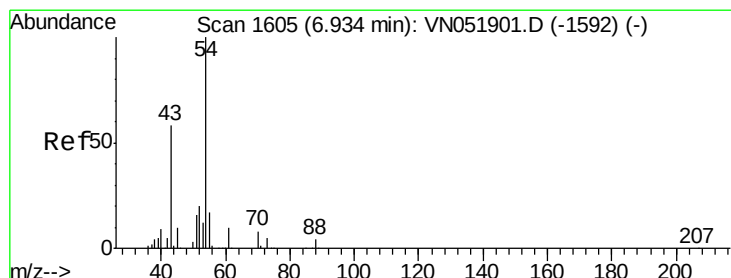
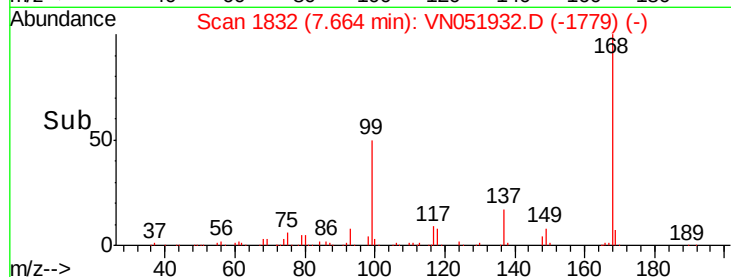
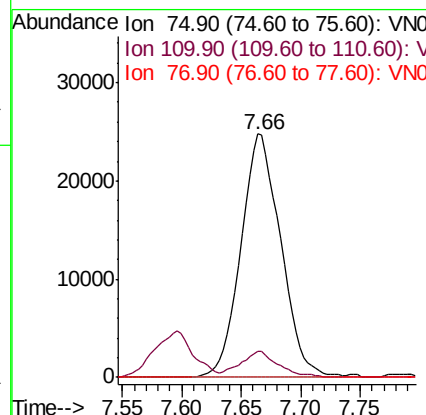
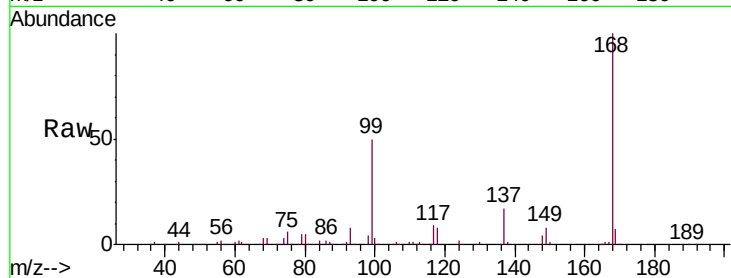




#36
 1,1-Dichloropropene
 Concen: 5.291 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN051932.D
 Acq: 18 Oct 2018 22:15

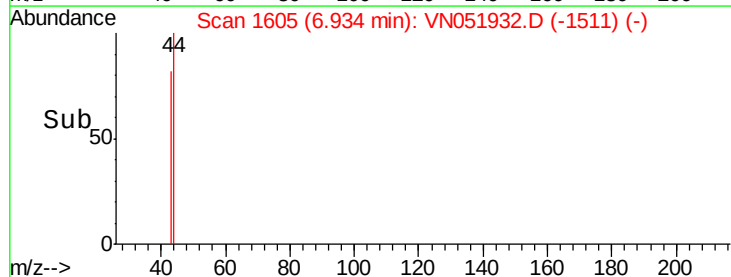
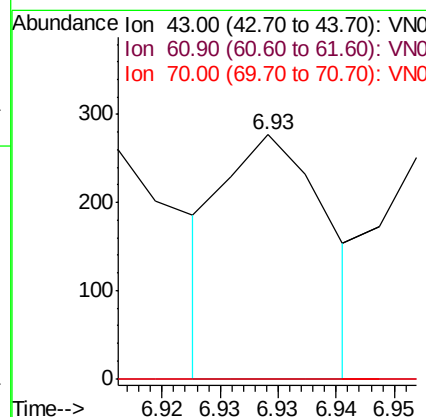
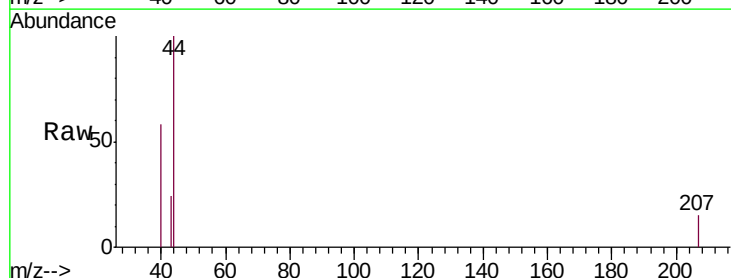
Instrument :
 MSVOA_N
 ClientSampleId :
 PB113940TB

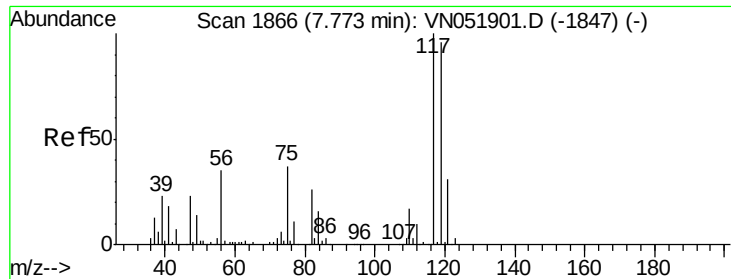
Tgt Ion: 75 Resp: 57466
 Ion Ratio Lower Upper
 75 100
 110 8.2 21.0 63.0#
 77 0.0 24.9 37.3#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 6.93 min Scan# 1605
 Delta R.T. 0.00 min
 Lab File: VN051932.D
 Acq: 18 Oct 2018 22:15

Tgt Ion: 43 Resp: 172
 Ion Ratio Lower Upper
 43 100
 61 0.0 13.0 19.6#
 70 0.0 10.4 15.6#





#38

Carbon Tetrachloride

Concen: 6.767 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051932.D

Acq: 18 Oct 2018 22:15

Instrument :

MSVOA_N

ClientSampleId :

PB113940TB

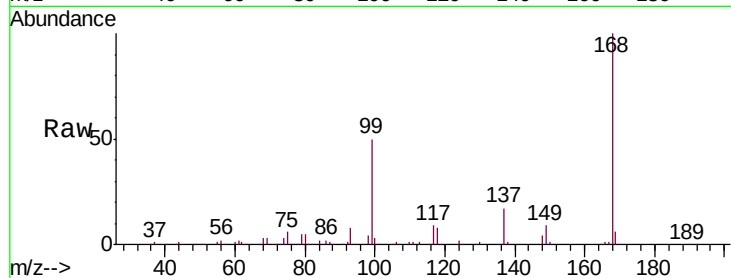
Tgt Ion:117 Resp: 86554

Ion Ratio Lower Upper

117 100

119 5.6 77.0 115.6#

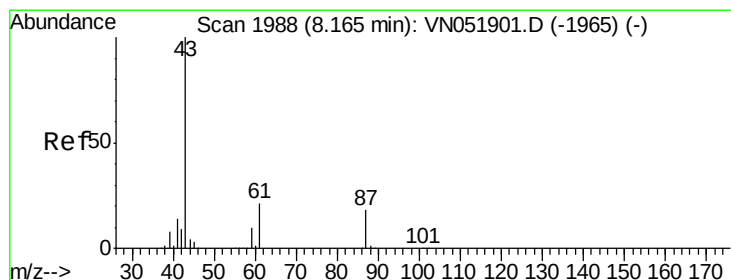
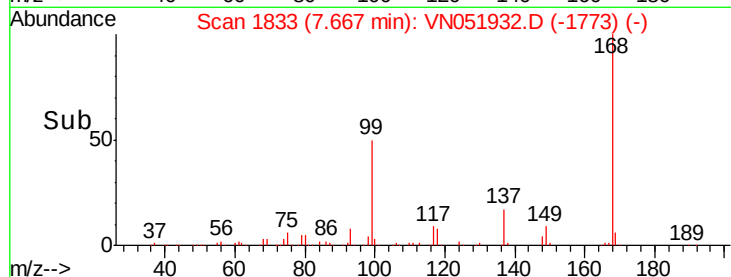
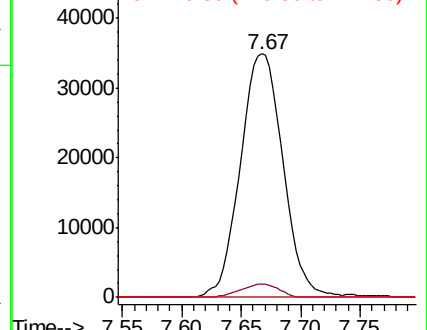
121 0.0 25.1 37.7#



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: 12.021 ug/l

RT: 8.28 min Scan# 2024

Delta R.T. 0.12 min

Lab File: VN051932.D

Acq: 18 Oct 2018 22:15

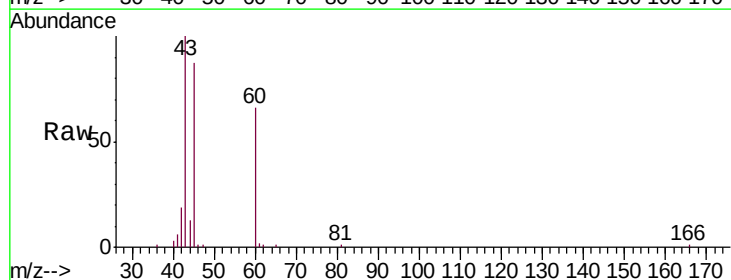
Tgt Ion: 43 Resp: 128887

Ion Ratio Lower Upper

43 100

61 0.6 24.9 37.3#

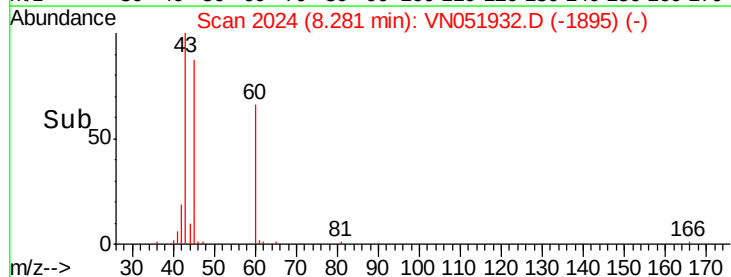
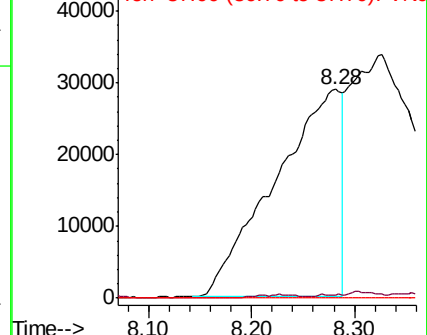
87 0.0 14.6 22.0#

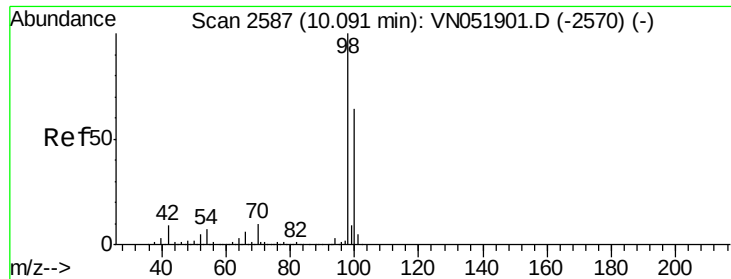


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051932.D

Acq: 18 Oct 2018 22:15

Instrument :

MSVOA_N

ClientSampleId :

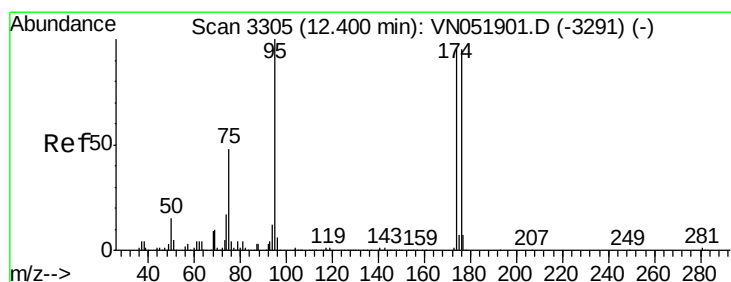
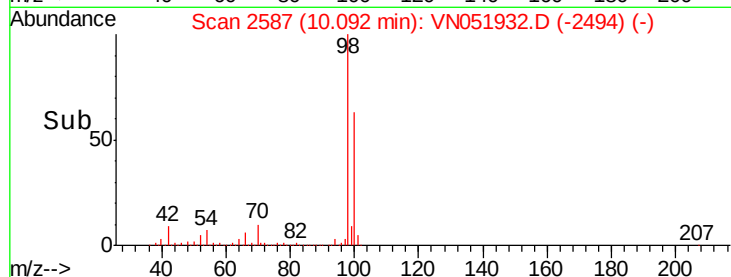
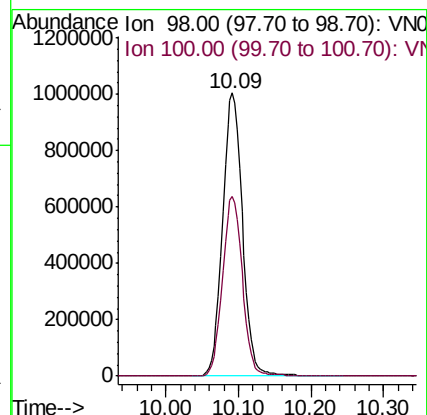
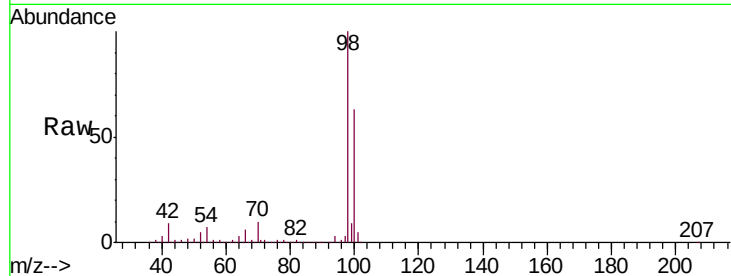
PB113940TB

Tgt Ion: 98 Resp: 1908996

Ion Ratio Lower Upper

98 100

100 63.3 51.0 76.4



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051932.D

Acq: 18 Oct 2018 22:15

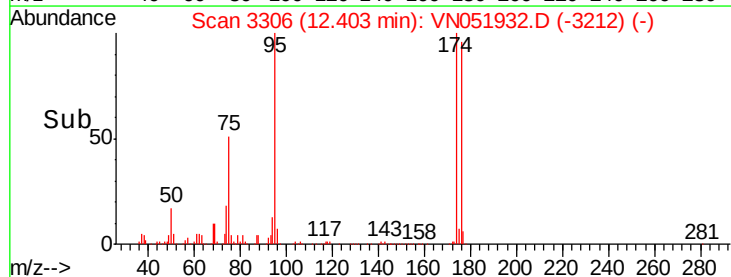
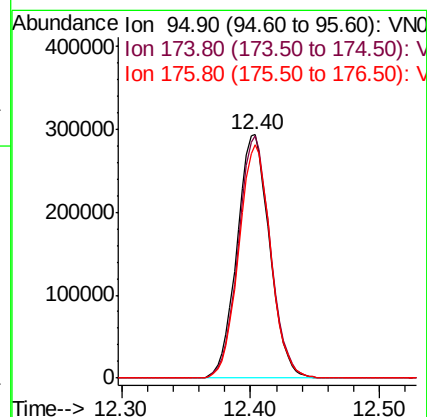
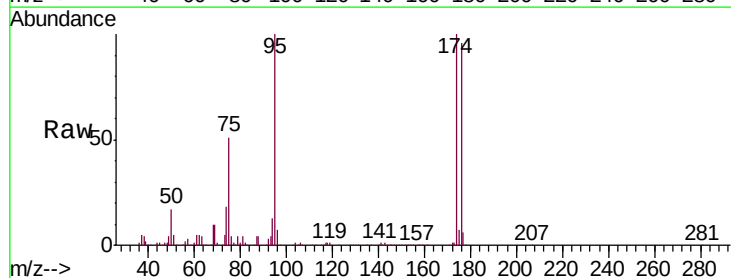
Tgt Ion: 95 Resp: 516441

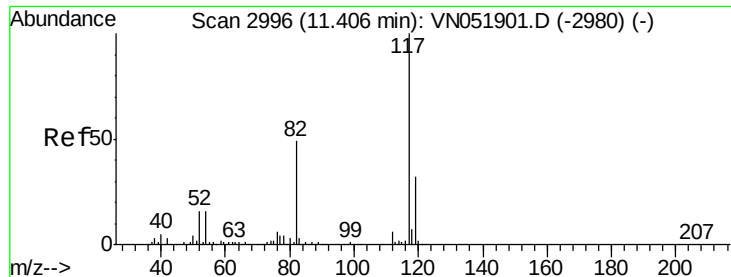
Ion Ratio Lower Upper

95 100

174 97.8 0.0 195.0

176 93.7 0.0 191.4

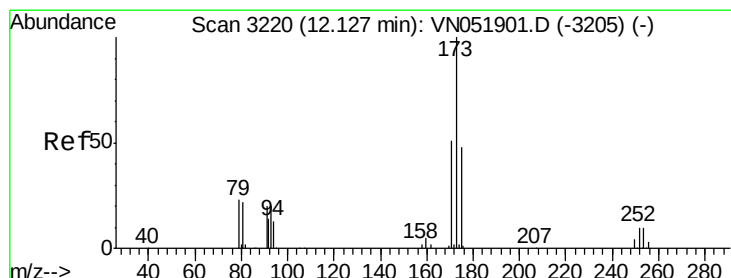
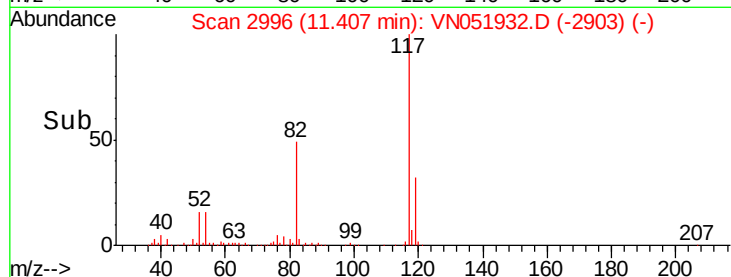
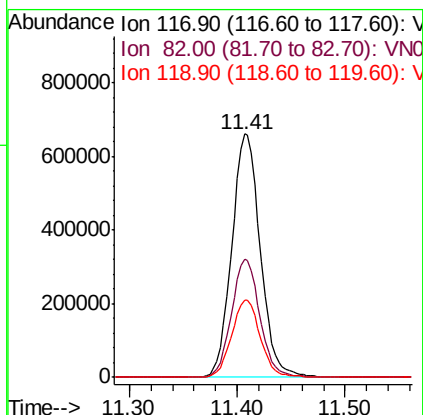
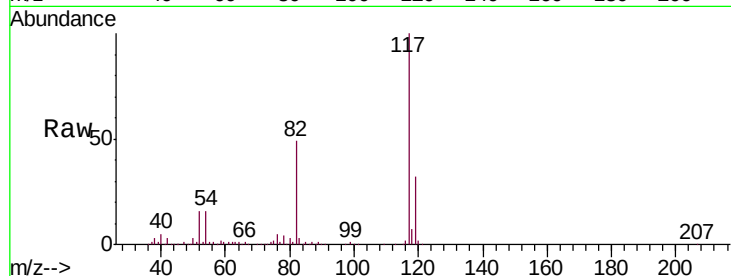




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051932.D
Acq: 18 Oct 2018 22:15

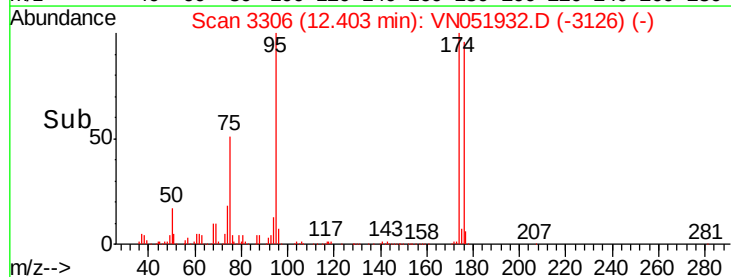
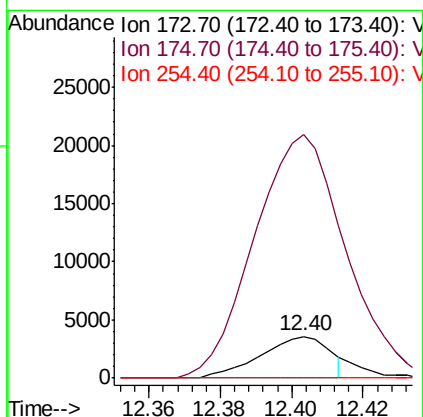
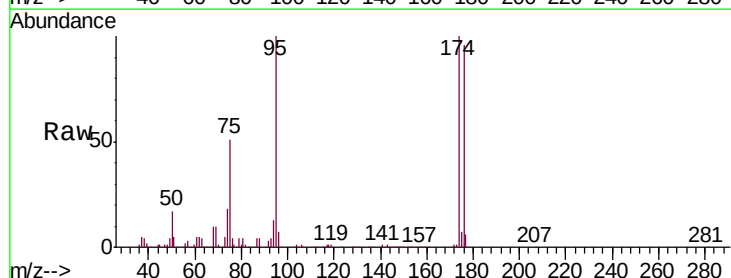
Instrument :
MSVOA_N
ClientSampleId :
PB113940TB

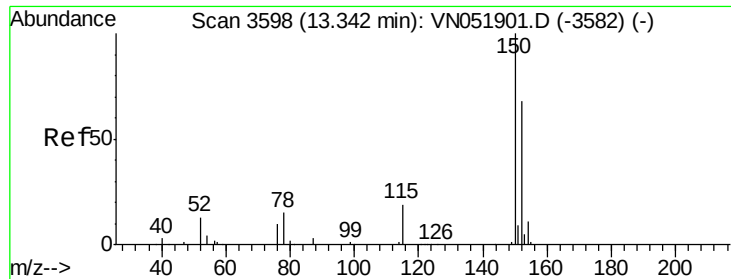
Tgt Ion:117 Resp: 1217428
Ion Ratio Lower Upper
117 100
82 48.6 38.9 58.3
119 32.0 25.9 38.9



#71
Bromoform
Concen: 3.889 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN051932.D
Acq: 18 Oct 2018 22:15

Tgt Ion:173 Resp: 4775
Ion Ratio Lower Upper
173 100
175 653.0 24.0 72.0#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051932.D

Acq: 18 Oct 2018 22:15

Instrument :

MSVOA_N

ClientSampleId :

PB113940TB

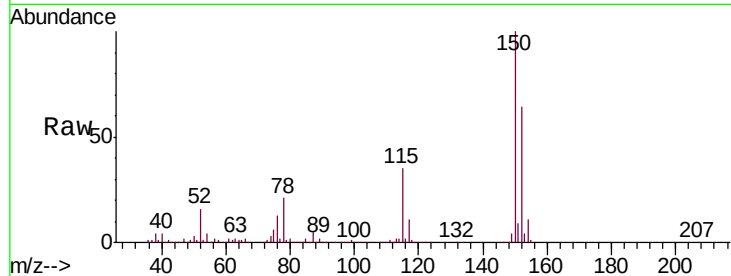
Tgt Ion:152 Resp: 406623

Ion Ratio Lower Upper

152 100

115 53.8 26.7 80.1

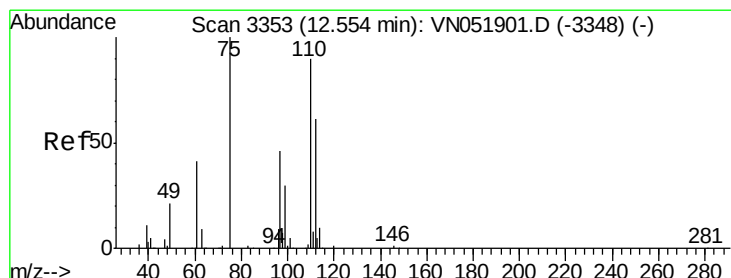
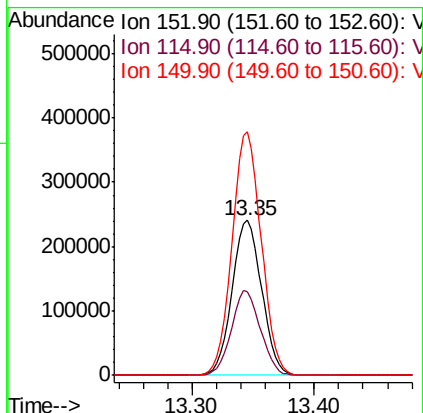
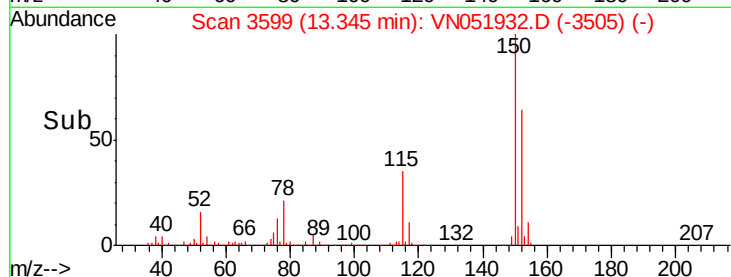
150 154.8 0.0 346.4



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: 53.392 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051932.D

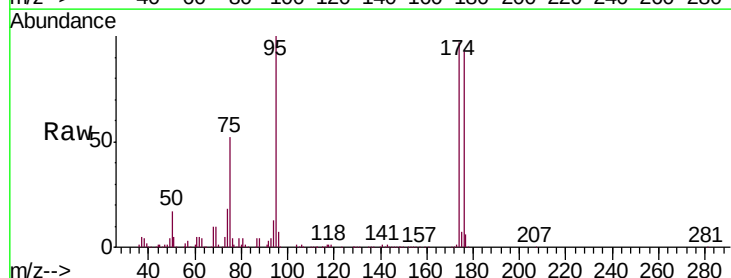
Acq: 18 Oct 2018 22:15

Tgt Ion: 75 Resp: 263876

Ion Ratio Lower Upper

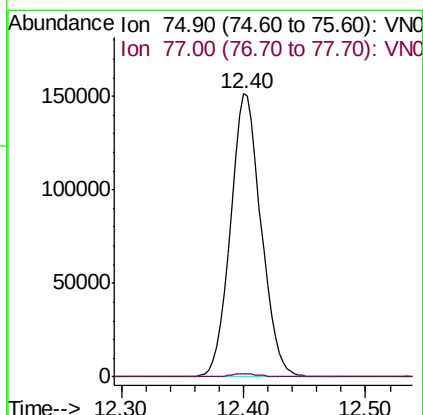
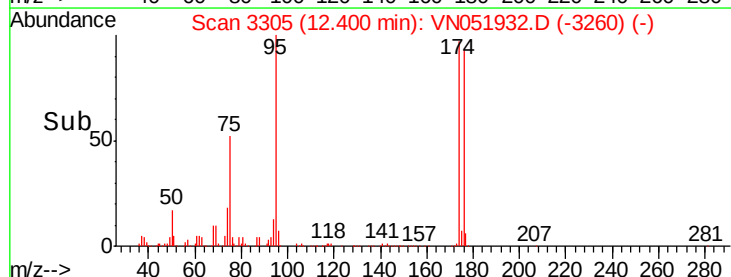
75 100

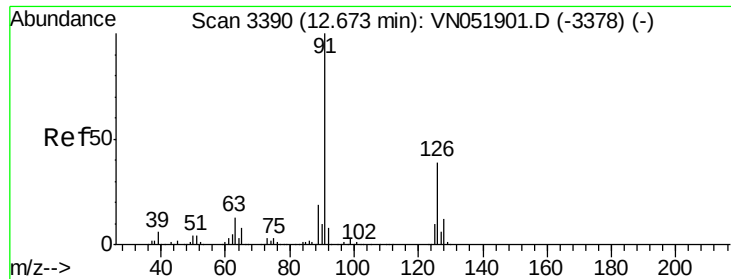
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3364

Delta R.T. -0.08 min

Lab File: VN051932.D

Acq: 18 Oct 2018 22:15

Instrument :

MSVOA_N

ClientSampled :

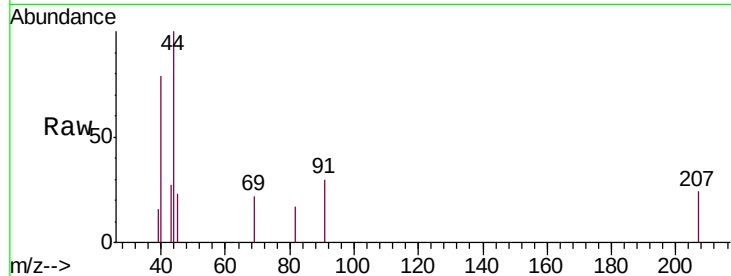
PB113940TB

Tgt Ion: 91 Resp: 151

Ion Ratio Lower Upper

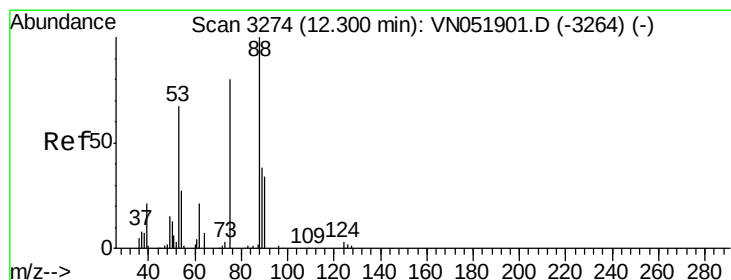
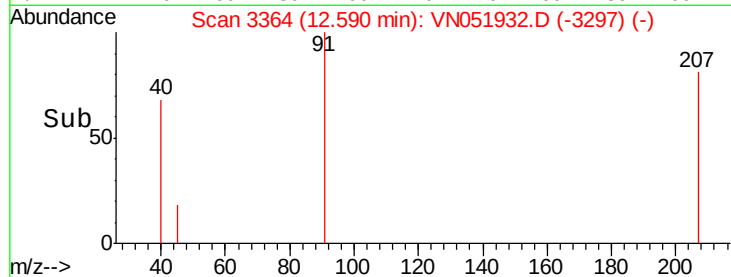
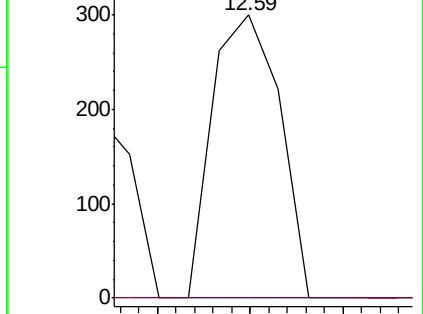
91 100

126 0.0 19.6 58.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 175.445 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051932.D

Acq: 18 Oct 2018 22:15

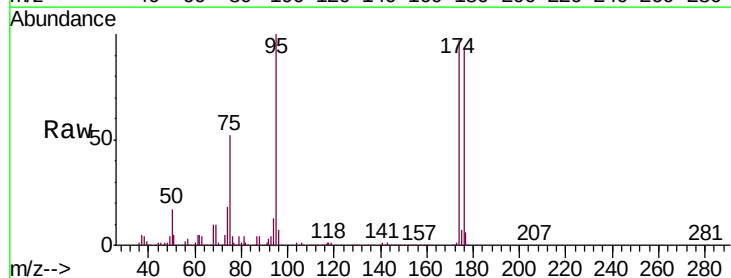
Tgt Ion: 75 Resp: 263876

Ion Ratio Lower Upper

75 100

53 0.0 68.5 102.7#

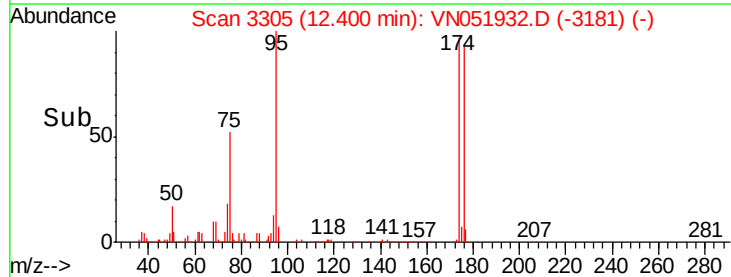
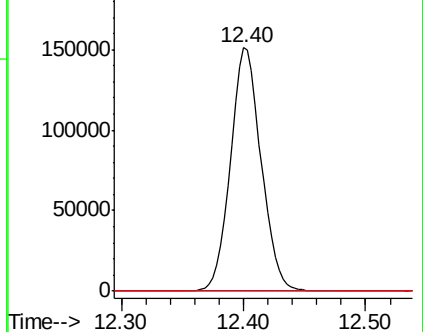
89 0.0 39.0 58.6#

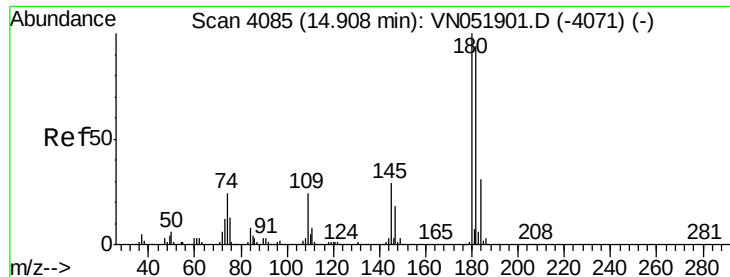


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

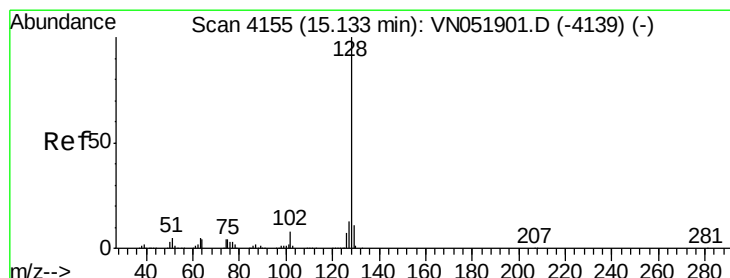
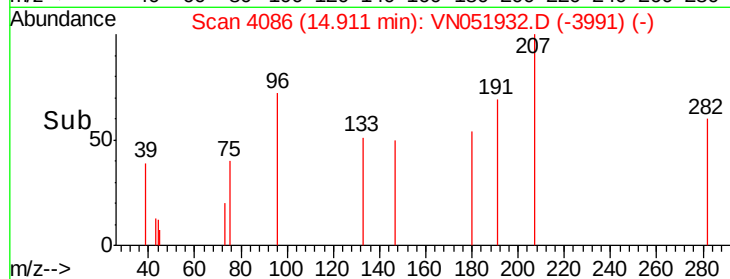
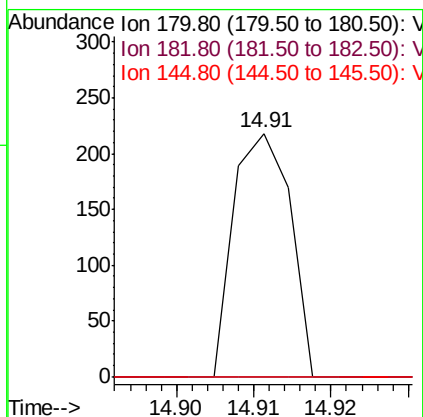
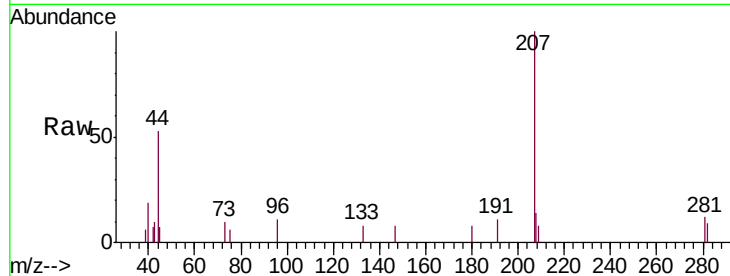




#93
 1,2,4-Trichlorobenzene
 Concen: 4.077 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051932.D
 Acq: 18 Oct 2018 22:15

Instrument :
 MSVOA_N
 ClientSampleId :
 PB113940TB

Tgt Ion:180 Resp: 111
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 141.9#
 145 0.0 14.5 43.5#



#95
 Naphthalene
 Concen: 4.068 ug/l
 RT: 15.14 min Scan# 4157
 Delta R.T. 0.01 min
 Lab File: VN051932.D
 Acq: 18 Oct 2018 22:15

Tgt Ion:128 Resp: 98
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.2#
 129 0.0 8.5 12.7#

