

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050333.D
 Acq On : 4 Aug 2018 00:31
 Operator : MD\SY
 Sample : PB111719ZHE#13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111719ZHE#13

Quant Time: Aug 04 01:45:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	663961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1076638	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	945613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	380442	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	463052	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
35) Dibromofluoromethane	7.59	113	405607	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	
50) Toluene-d8	10.09	98	1484203	45.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.86%	
62) 4-Bromofluorobenzene	12.40	95	434296	40.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.62%	

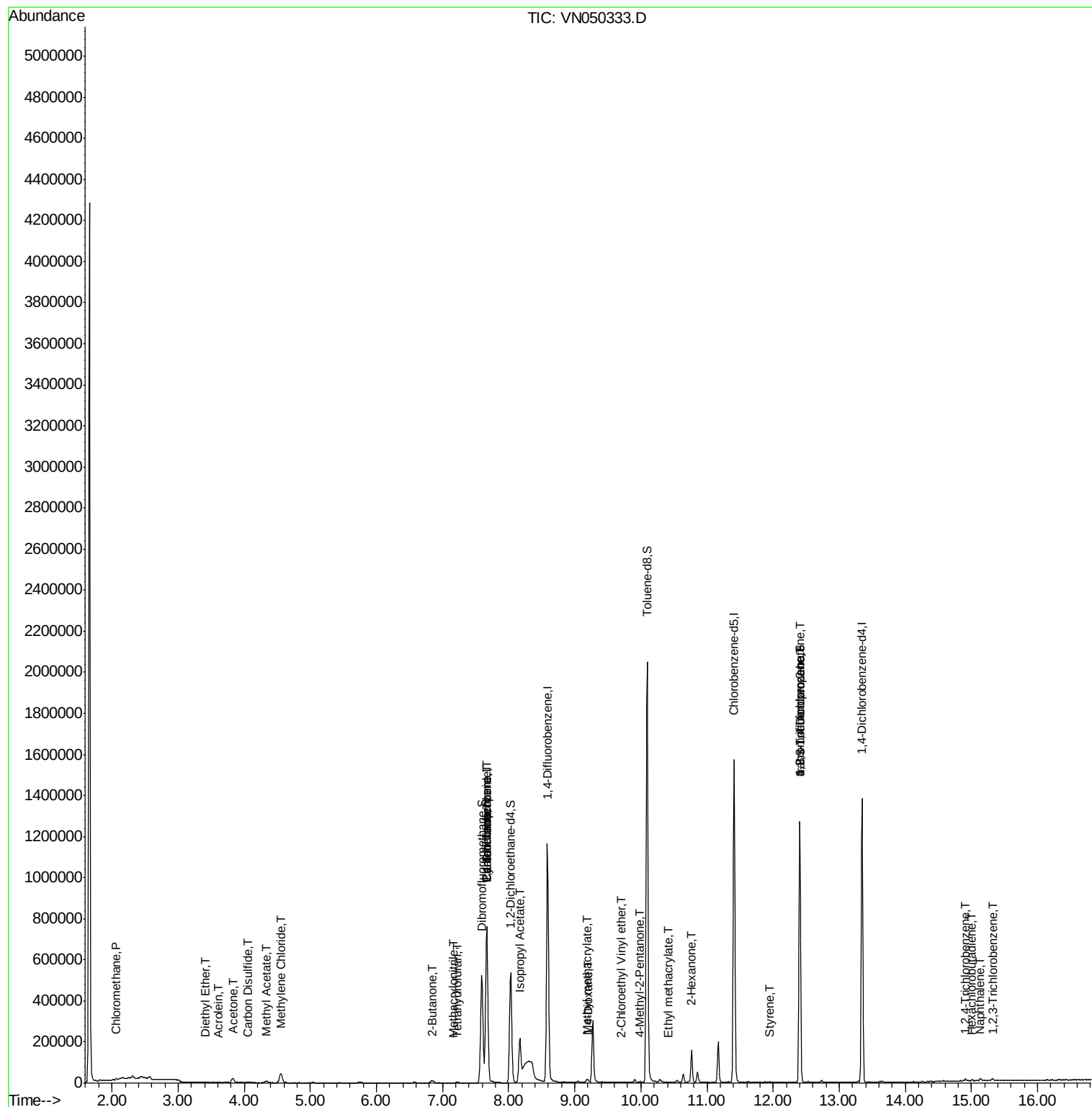
Target Compounds				Qvalue		
3) Chloromethane	2.06	50	3830	0.37	ug/l #	79
5) Bromomethane	2.57	94	5167	Below	Cal	99
8) Diethyl Ether	3.42	74	1459	0.31	ug/l #	36
13) Acrolein	3.61	56	691	1.26	ug/l #	23
16) Acetone	3.82	43	40545	14.49	ug/l	94
17) Carbon Disulfide	4.05	76	6959	0.30	ug/l	95
18) Methyl Acetate	4.33	43	15978	0.26	ug/l	97
20) Methylene Chloride	4.56	84	35948	3.20	ug/l	98
25) 2-Butanone	6.85	43	7138	2.02	ug/l	97
29) Tetrahydrofuran	7.23	42	2094	0.92	ug/l #	76
31) Cyclohexane	7.66	56	12893	0.94	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	45747	3.77	ug/l #	48
38) Carbon Tetrachloride	7.67	117	59606	4.63	ug/l #	16
41) Methacrylonitrile	7.17	41	67	2.76	ug/l #	10
43) Isopropyl Acetate	8.17	43	278043	16.69	ug/l	97
48) Methyl methacrylate	9.18	41	7948	1.09	ug/l #	24
49) 1,4-Dioxane	9.20	88	308	3.11	ug/l #	29
51) 4-Methyl-2-Pentanone	9.99	43	3982	0.48	ug/l	95
56) Ethyl methacrylate	10.42	69	139	2.04	ug/l #	37
58) 2-Chloroethyl Vinyl ether	9.70	63	246	8.57	ug/l #	48
59) 2-Hexanone	10.77	43	23590	8.96	ug/l #	60
70) Styrene	11.96	104	1380	0.98	ug/l	88
75) 1,1,2,2-Tetrachloroethane	12.51	83	678	Below	Cal #	58
76) 1,2,3-Trichloropropane	12.40	75	207173	29.30	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	207173	92.94	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.25	75	235	Below	Cal #	22
93) 1,2,4-Trichlorobenzene	14.91	180	3561	3.54	ug/l	99
94) Hexachlorobutadiene	15.01	225	1260	0.30	ug/l	85
95) Naphthalene	15.13	128	9100	4.89	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	3735	2.70	ug/l	98

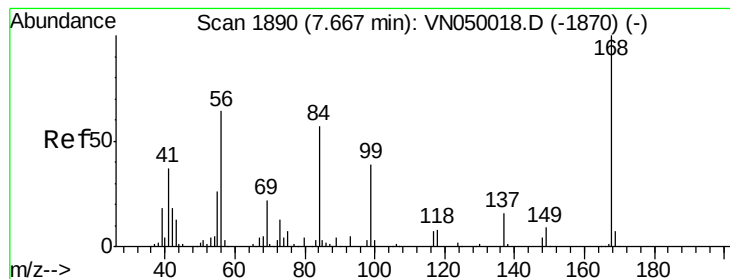
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050333.D

Acq: 4 Aug 2018 00:31

Instrument :

MSVOA_N

ClientSampleId :

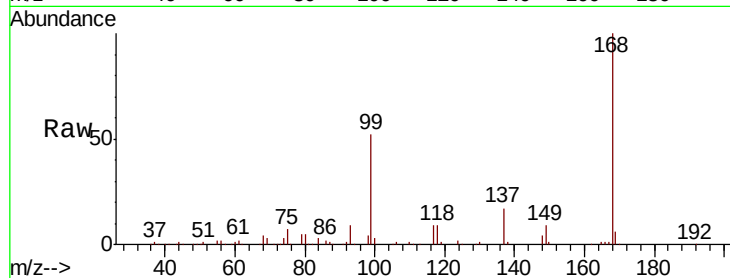
PB111719ZHE#13

Tot Ion:168 Resp: 663961

Ion Ratio Lower Upper

168 100

99 51.5 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

300000

250000

200000

150000

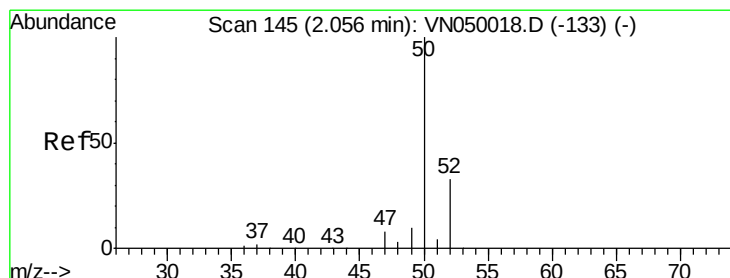
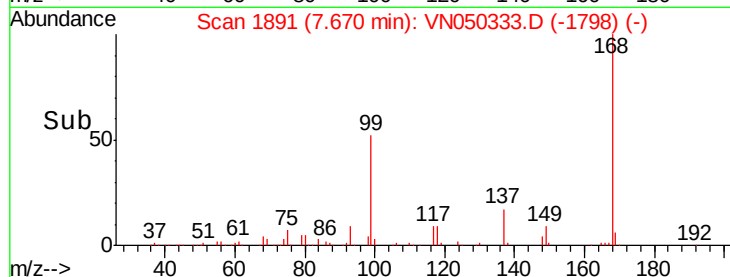
100000

50000

0

Time-->

7.60 7.70 7.80



#3

Chloromethane

Concen: 0.37 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050333.D

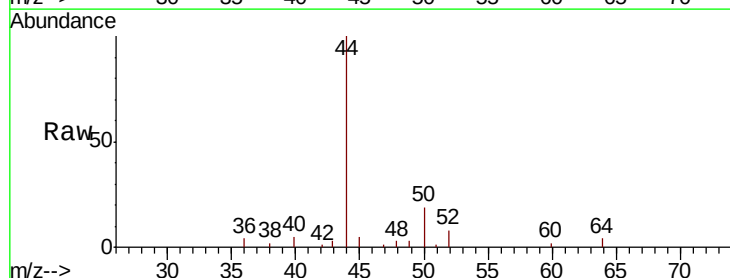
Acq: 4 Aug 2018 00:31

Tgt Ion: 50 Resp: 3830

Ion Ratio Lower Upper

50 100

52 44.1 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

3000

2500

2000

1500

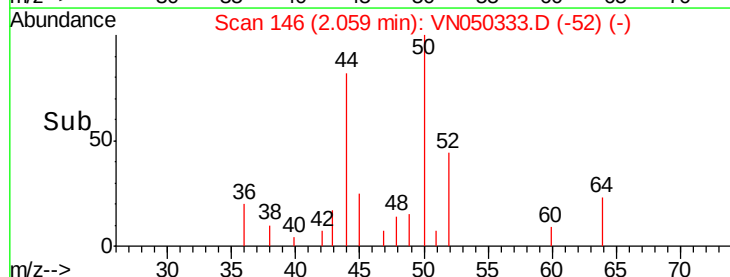
1000

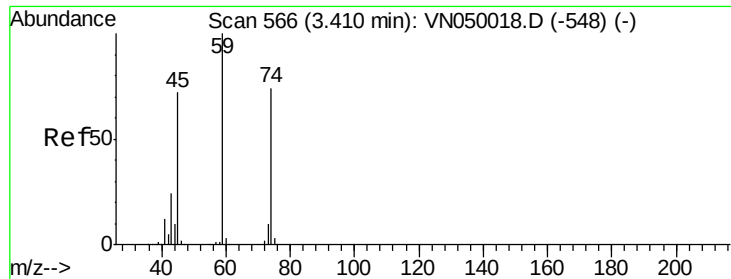
500

0

Time-->

2.00 2.05 2.10





#8

Diethyl Ether

Concen: 0.31 ug/l

RT: 3.42 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN050333.D

Acq: 4 Aug 2018 00:31

Instrument :

MSVOA_N

ClientSampleId :

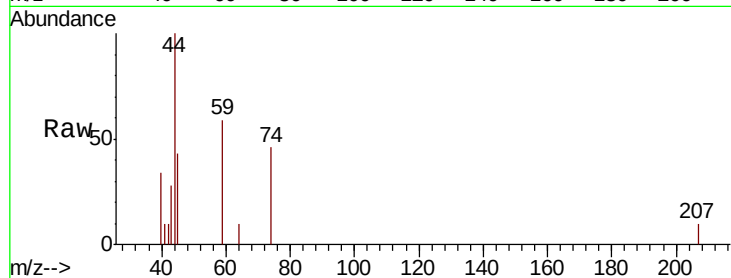
PB111719ZHE#13

Tot Ion: 74 Resp: 1459

Ion Ratio Lower Upper

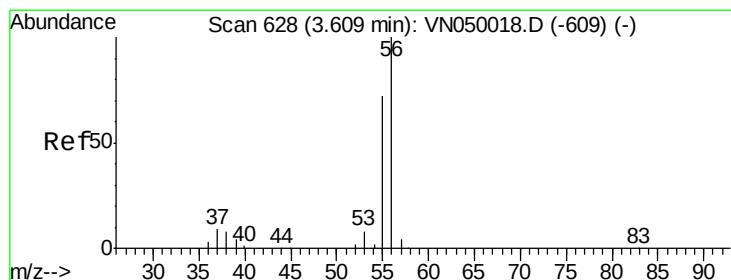
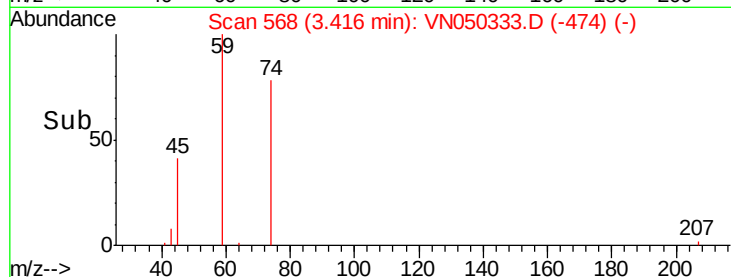
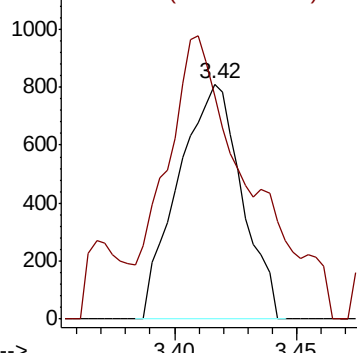
74 100

45 157.0 47.6 142.8#



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#13

Acrolein

Concen: 1.26 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050333.D

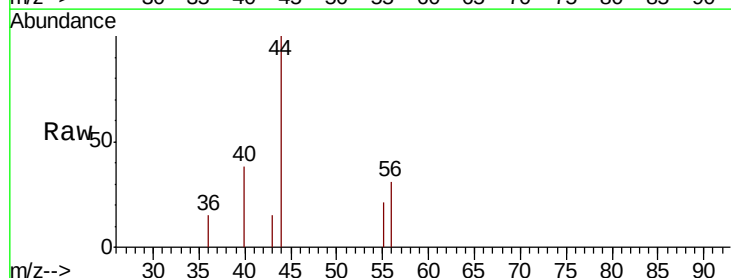
Acq: 4 Aug 2018 00:31

Tgt Ion: 56 Resp: 691

Ion Ratio Lower Upper

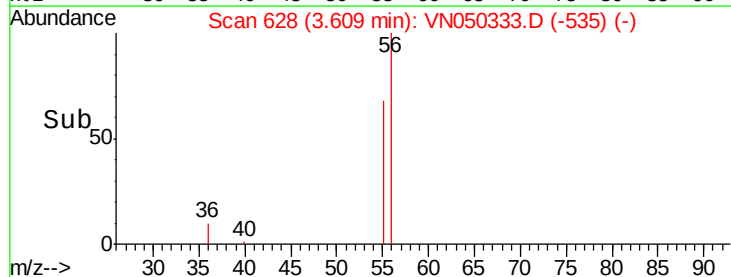
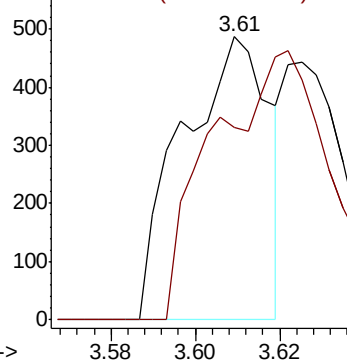
56 100

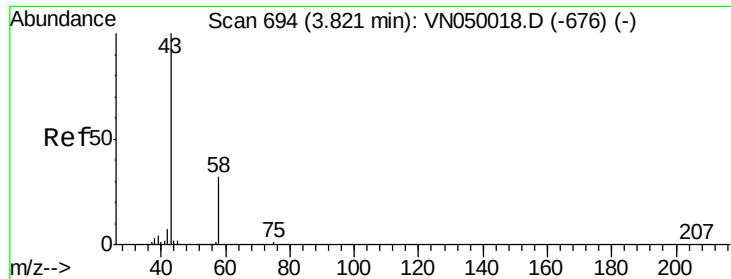
55 133.1 55.8 83.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#16

Acetone

Concen: 14.49 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050333.D

Acq: 4 Aug 2018 00:31

Instrument :

MSVOA_N

ClientSampleId :

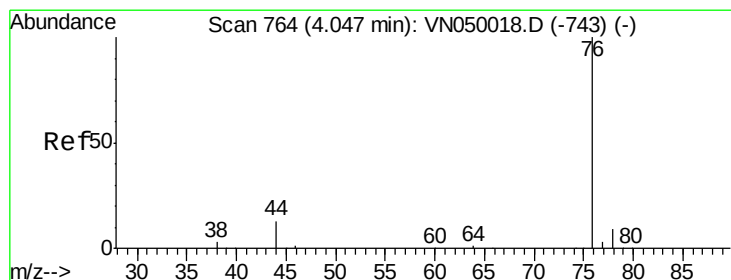
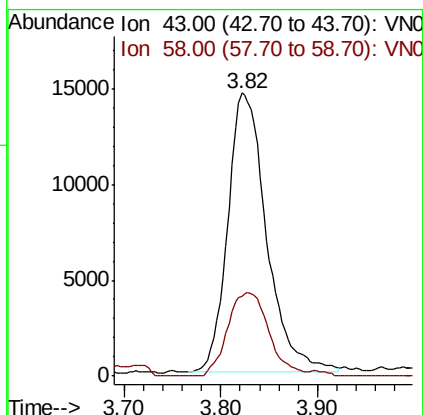
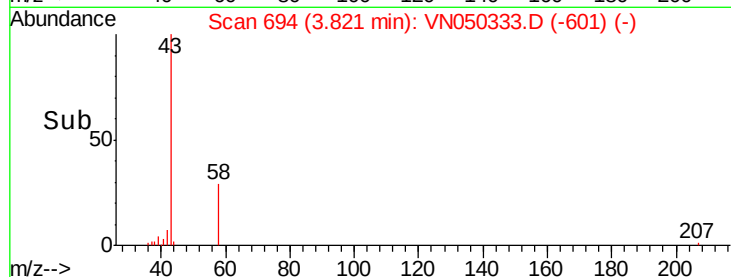
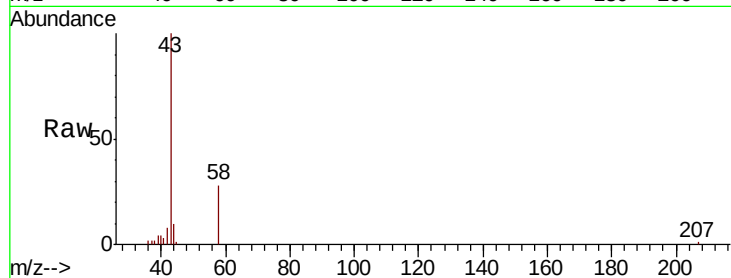
PB111719ZHE#13

Tot Ion: 43 Resp: 40545

Ion Ratio Lower Upper

43 100

58 28.8 25.8 38.8



#17

Carbon Disulfide

Concen: 0.30 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN050333.D

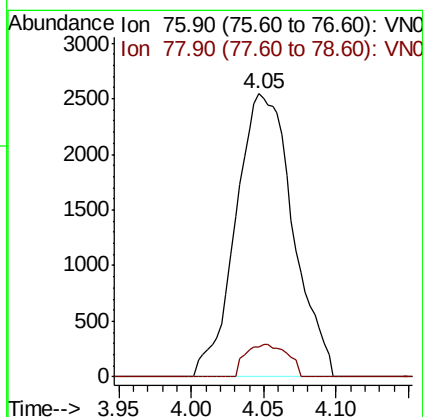
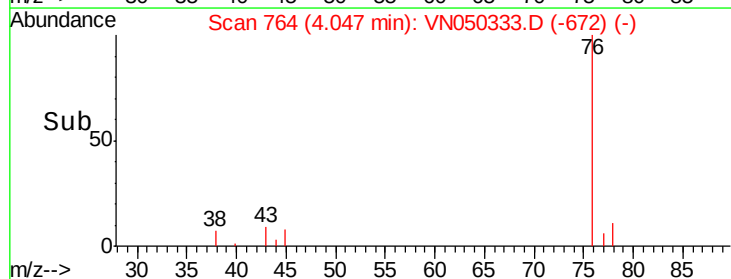
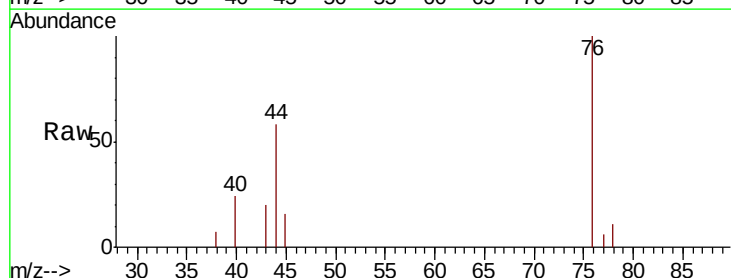
Acq: 4 Aug 2018 00:31

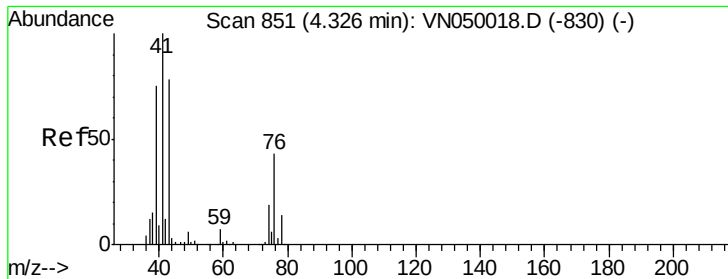
Tgt Ion: 76 Resp: 6959

Ion Ratio Lower Upper

76 100

78 10.8 7.3 10.9





#18

Methvl Acetate

Concen: 0.26 ug/l

RT: 4.33 min Scan# 852

Delta R.T. -0.00 min

Lab File: VN050333.D

Acq: 4 Aug 2018 00:31

Instrument :

MSVOA_N

ClientSampleId :

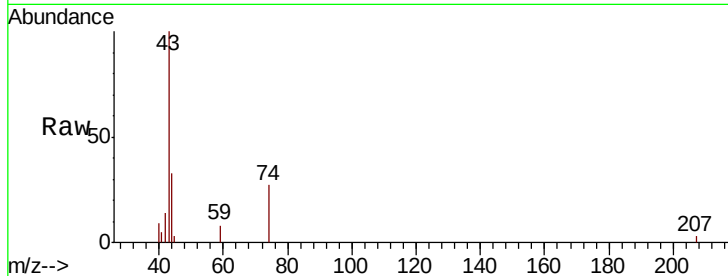
PB111719ZHE#13

Tot Ion: 43 Resp: 15978

Ion Ratio Lower Upper

43 100

74 25.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

6000

5000

4000

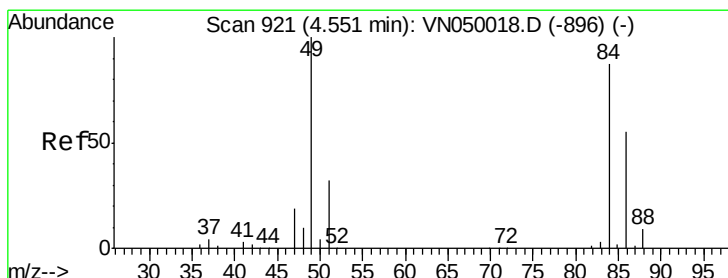
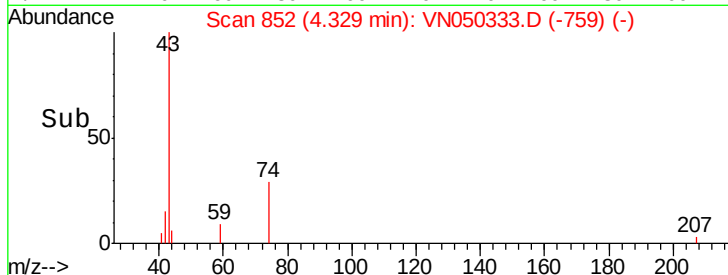
3000

2000

1000

0

Time--> 4.20 4.25 4.30 4.35 4.40



#20

Methylene Chloride

Concen: 3.20 ug/l

RT: 4.56 min Scan# 923

Delta R.T. 0.01 min

Lab File: VN050333.D

Acq: 4 Aug 2018 00:31

Tgt Ion: 84 Resp: 35948

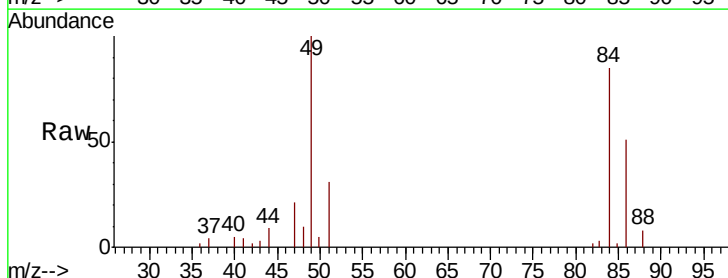
Ion Ratio Lower Upper

84 100

49 117.2 94.8 142.2

51 35.9 28.3 42.5

86 59.6 51.0 76.6



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

20000

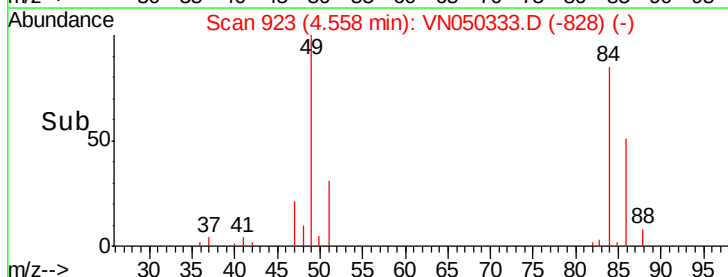
15000

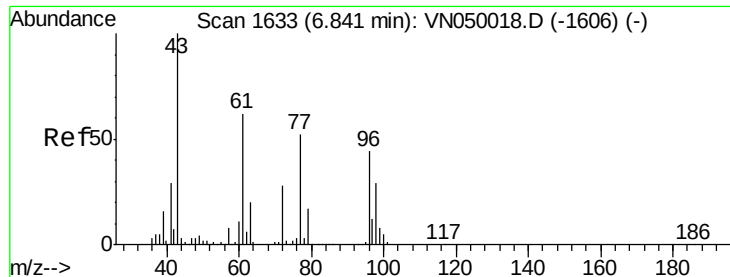
10000

5000

0

Time--> 4.50 4.55 4.60

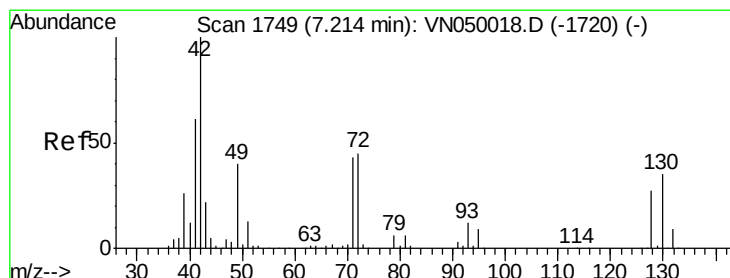
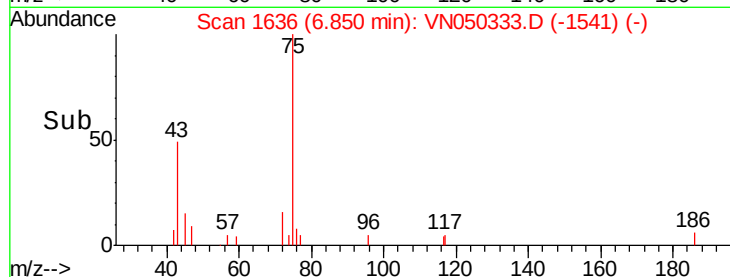
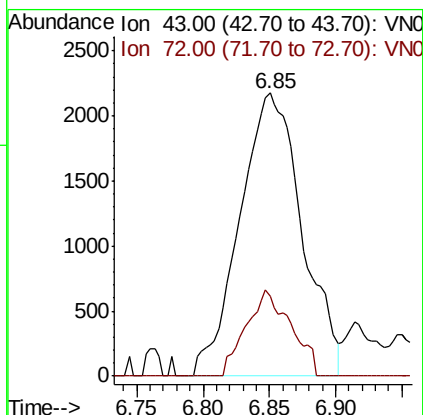
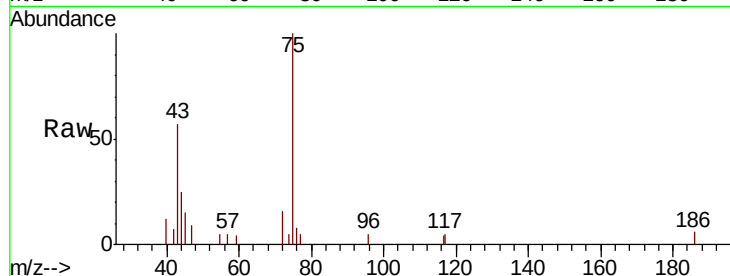




#25
2-Butanone
Concen: 2.02 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN050333.D
Acq: 4 Aug 2018 00:31

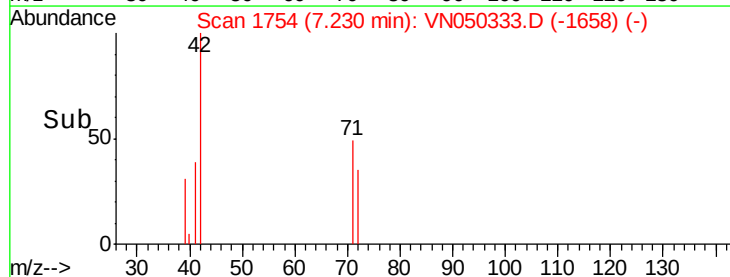
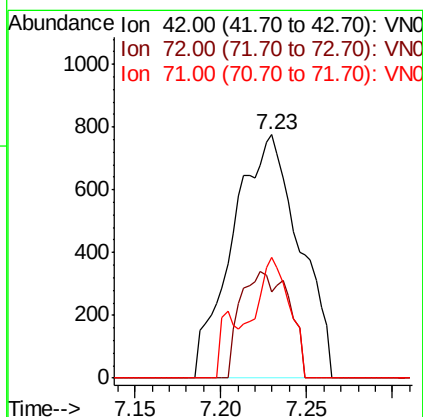
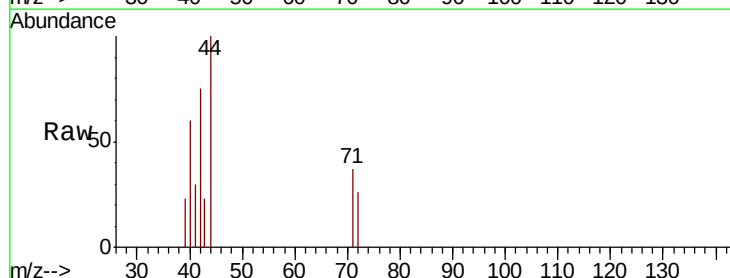
Instrument :
MSVOA_N
ClientSampleId :
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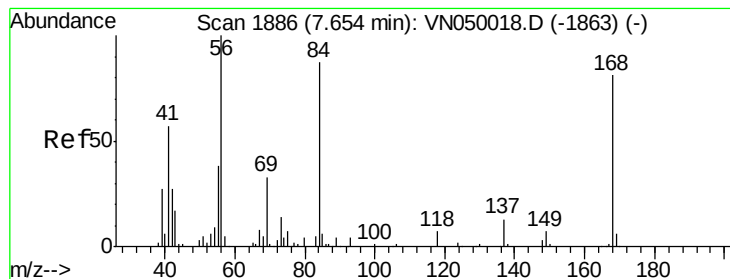
Tot Ion: 43 Resp: 7138
Ion Ratio Lower Upper
43 100
72 28.4 21.5 32.3



#29
Tetrahydrofuran
Concen: 0.92 ug/l
RT: 7.23 min Scan# 1754
Delta R.T. 0.01 min
Lab File: VN050333.D
Acq: 4 Aug 2018 00:31

Tgt Ion: 42 Resp: 2094
Ion Ratio Lower Upper
42 100
72 31.7 35.9 53.9#
71 24.1 33.7 50.5#





#31

Cyclohexane

Concen: 0.94 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN050333.D

Acq: 4 Aug 2018 00:31

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#13

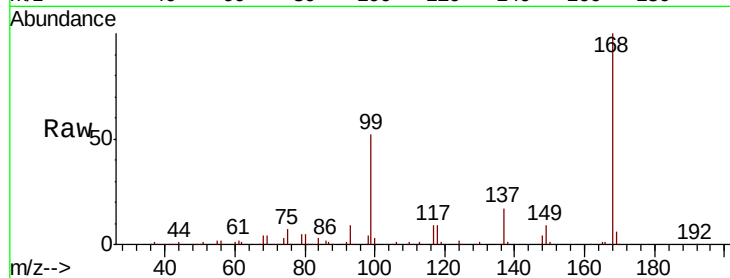
Tot Ion: 56 Resp: 12893

Ion Ratio Lower Upper

56 100

69 187.8 26.2 39.4#

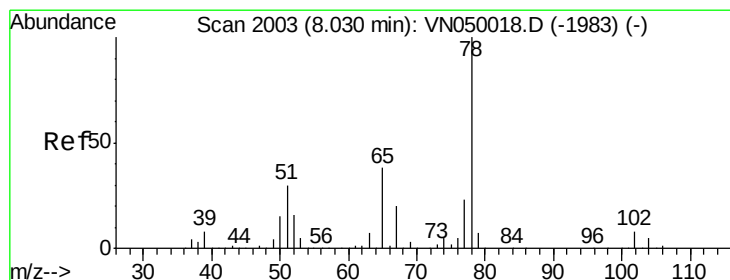
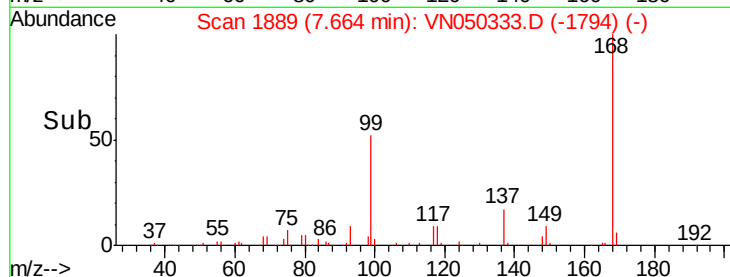
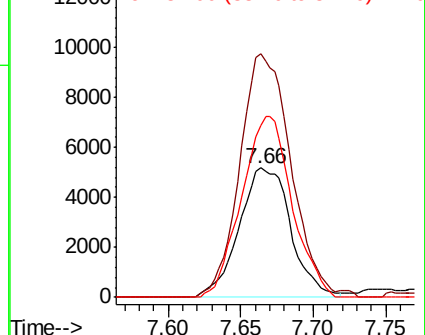
84 132.7 67.4 101.0#



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: 49.99 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050333.D

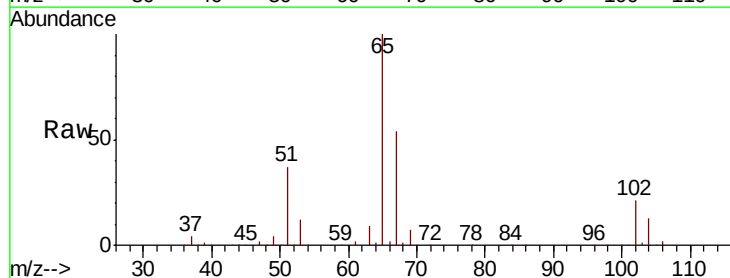
Acq: 4 Aug 2018 00:31

Tgt Ion: 65 Resp: 463052

Ion Ratio Lower Upper

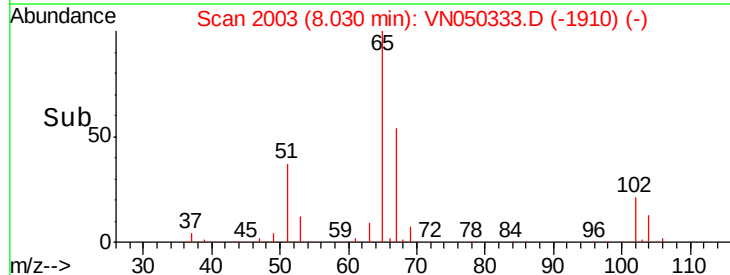
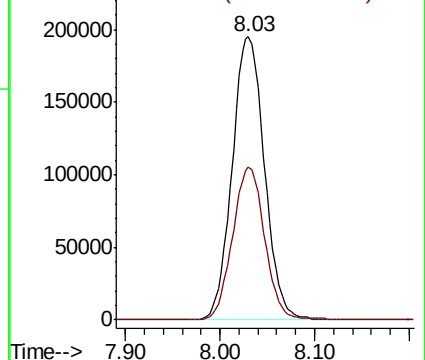
65 100

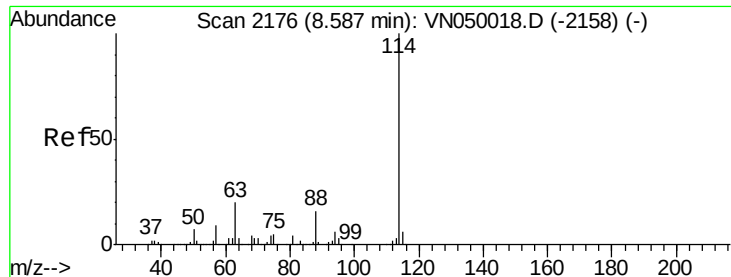
67 53.6 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050333.D

Acq: 4 Aug 2018 00:31

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#13

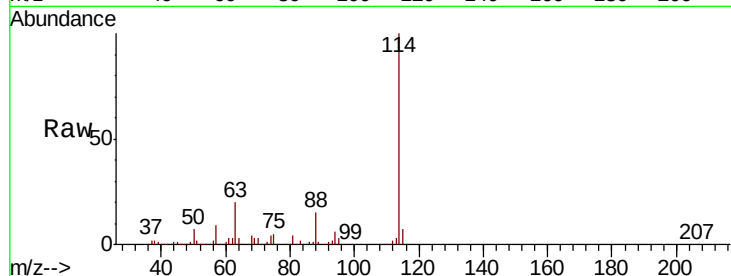
Tot Ion:114 Resp: 1076638

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

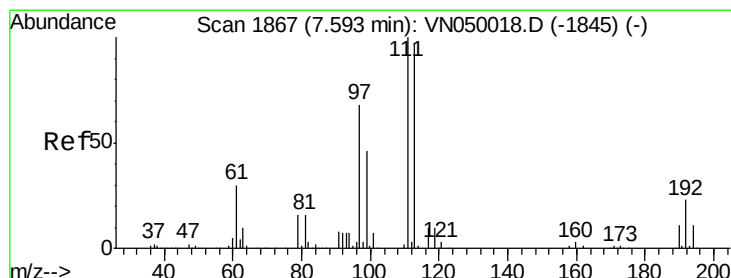
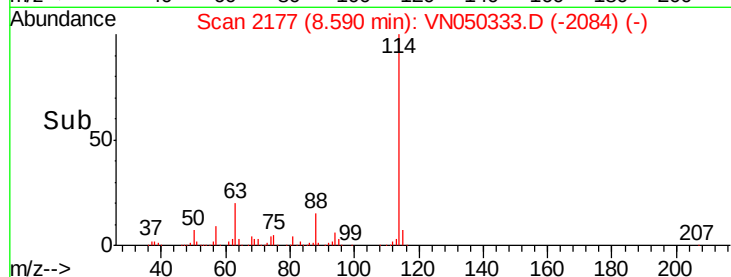
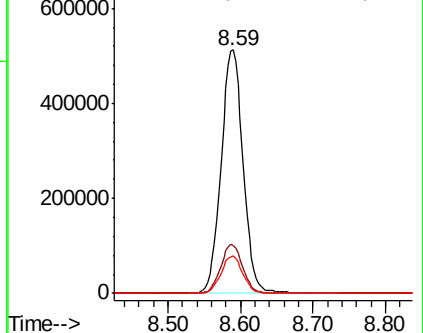
88 15.2 0.0 31.2



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: 46.14 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN050333.D

Acq: 4 Aug 2018 00:31

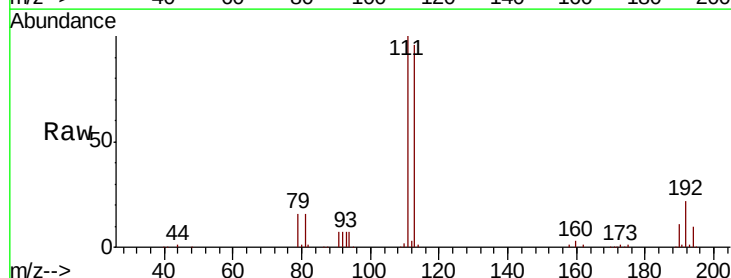
Tgt Ion:113 Resp: 405607

Ion Ratio Lower Upper

113 100

111 103.2 80.7 121.1

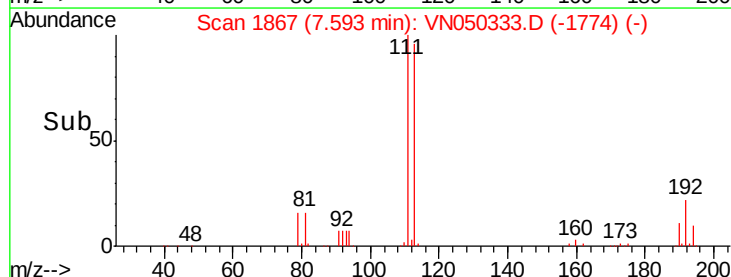
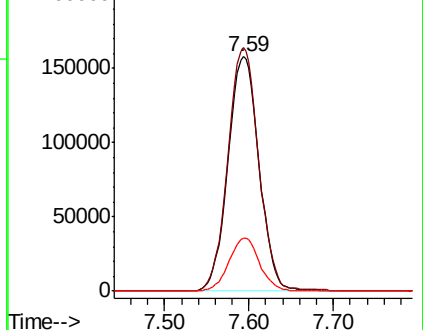
192 22.3 17.8 26.6

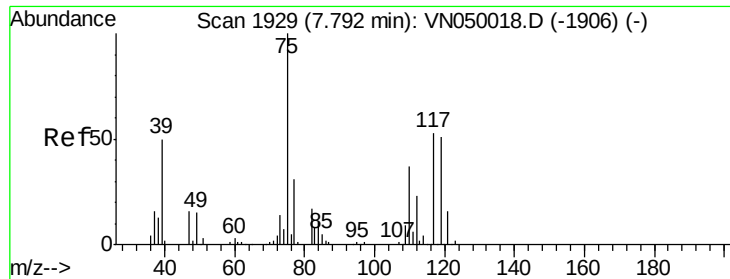


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

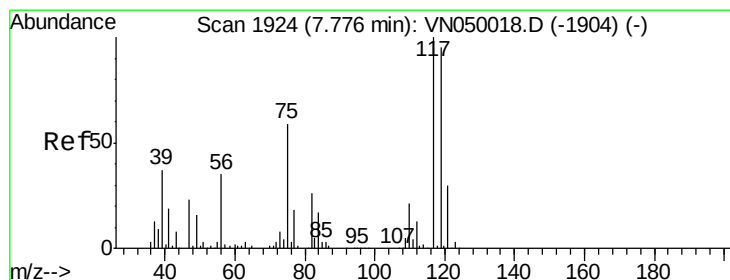
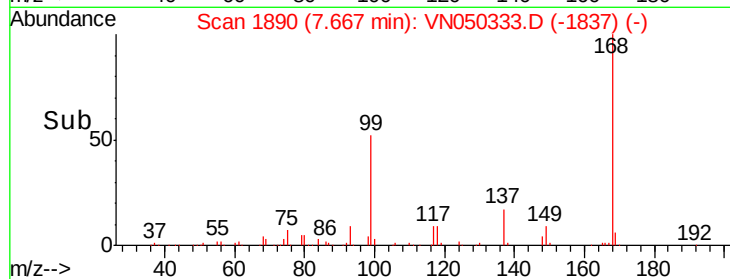
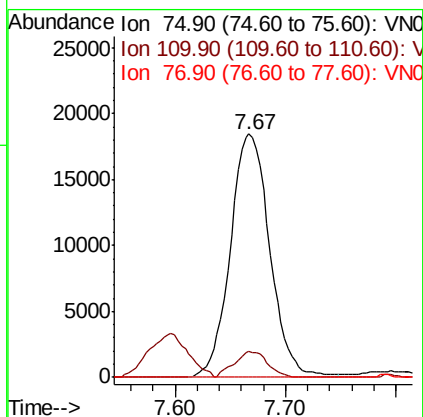
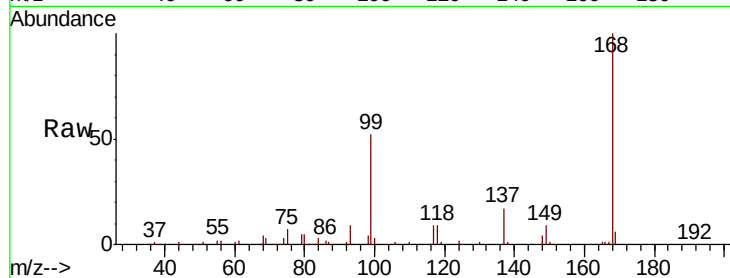




#36
 1,1-Dichloropropene
 Concen: 3.77 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050333.D
 Acq: 4 Aug 2018 00:31

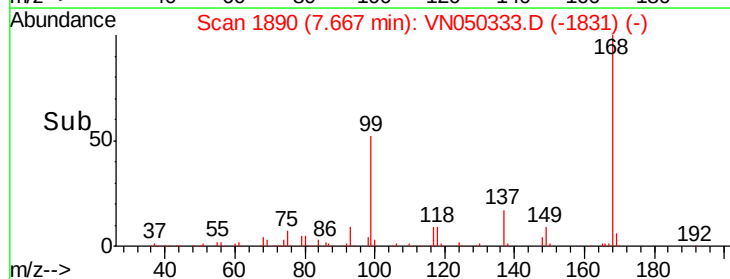
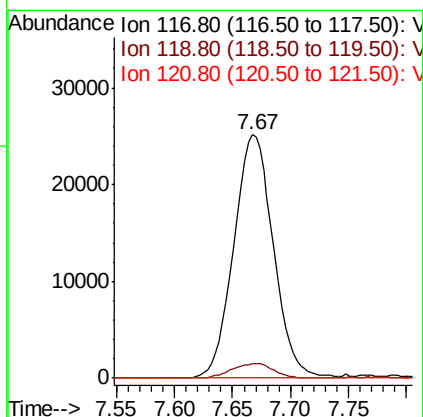
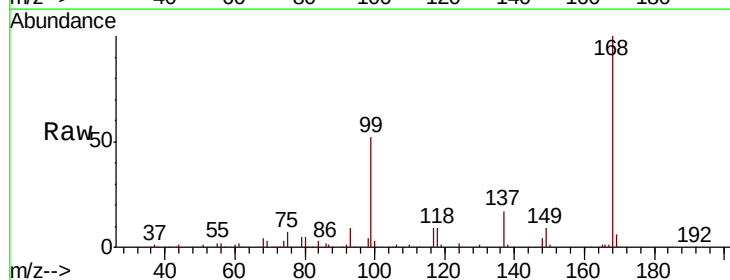
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111719ZHE#13

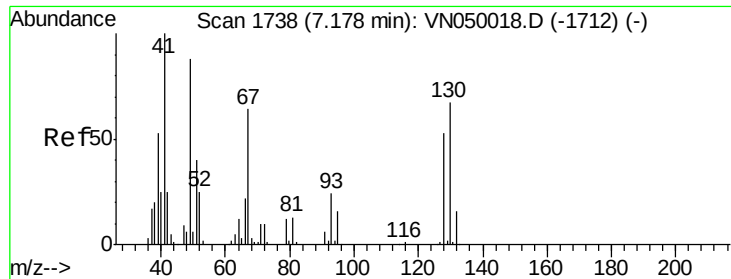
Tot Ion: 75 Resp: 45747
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.4 55.2#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 4.63 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050333.D
 Acq: 4 Aug 2018 00:31

Tgt Ion: 117 Resp: 59606
 Ion Ratio Lower Upper
 117 100
 119 5.7 77.4 116.0#
 121 0.0 23.9 35.9#

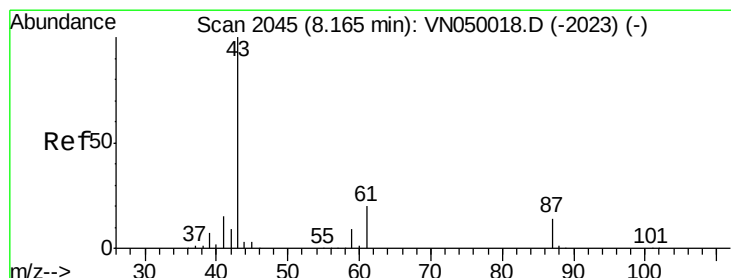
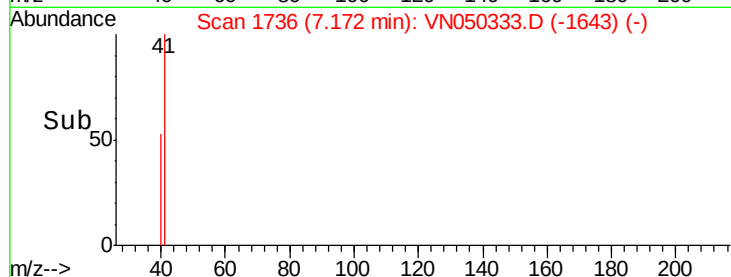
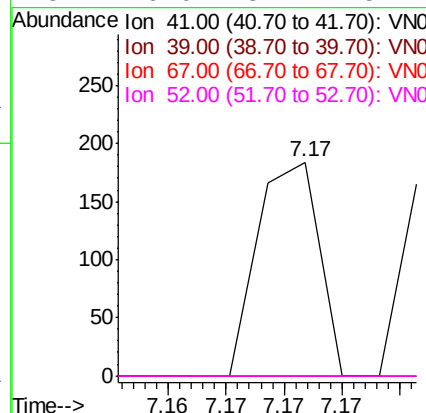
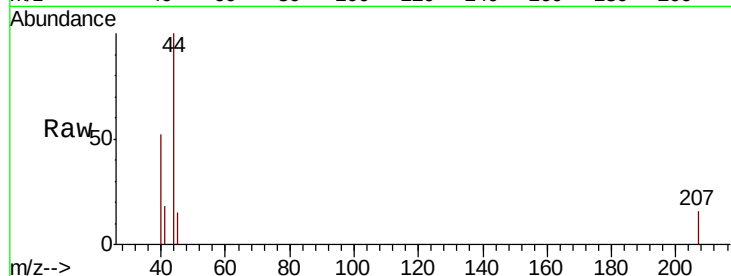




#41
Methacrylonitrile
Concen: 2.76 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN050333.D
Acq: 4 Aug 2018 00:31

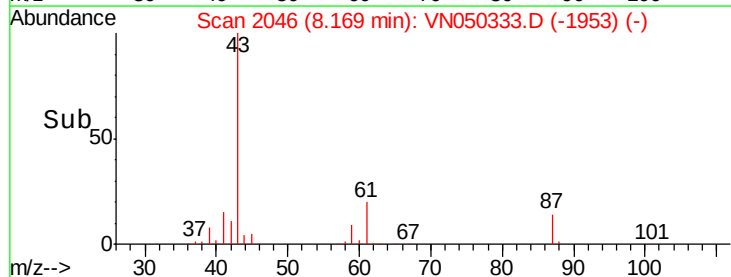
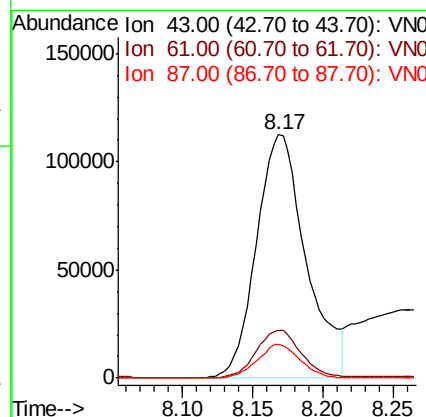
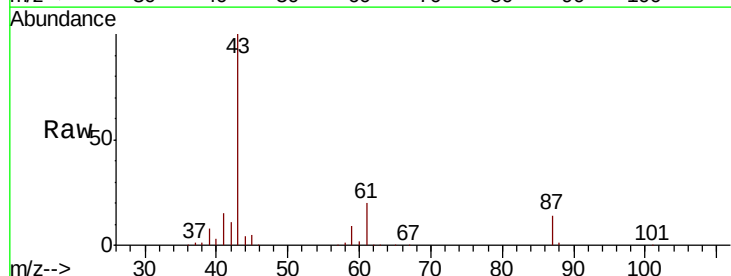
Instrument :
MSVOA_N
ClientSampleId :
PB111719ZHE#13

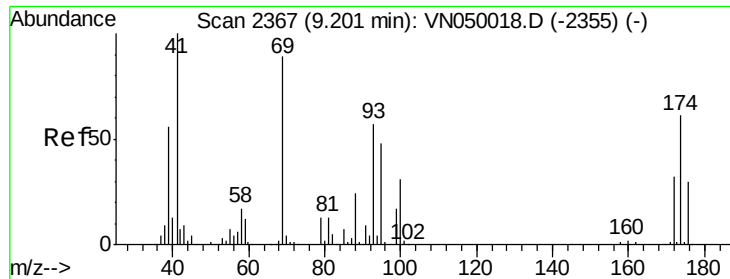
Tot Ion:	41	Resp:	67
Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.8	83.6#
67	0.0	84.3	126.5#
52	0.0	34.2	51.2#



#43
Isopropyl Acetate
Concen: 16.69 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050333.D
Acq: 4 Aug 2018 00:31

Tgt Ion:	43	Resp:	278043
Ion	Ratio	Lower	Upper
43	100		
61	17.8	15.8	23.6
87	11.9	10.3	15.5

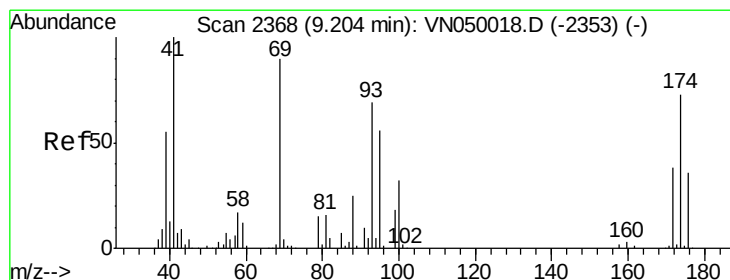
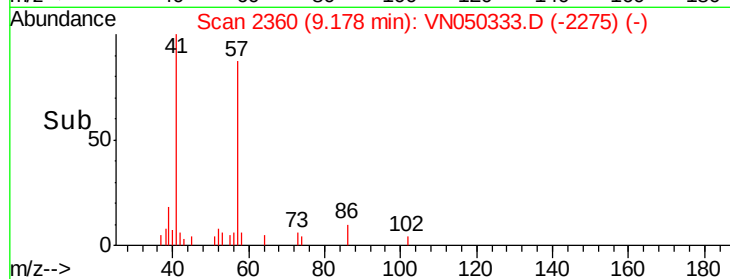
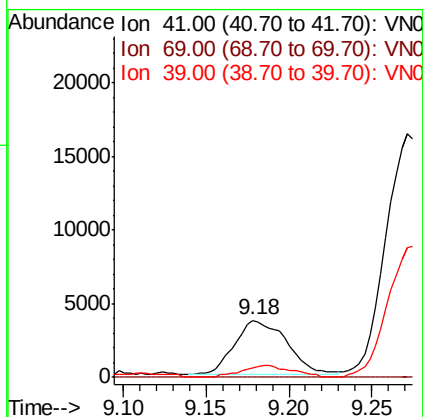
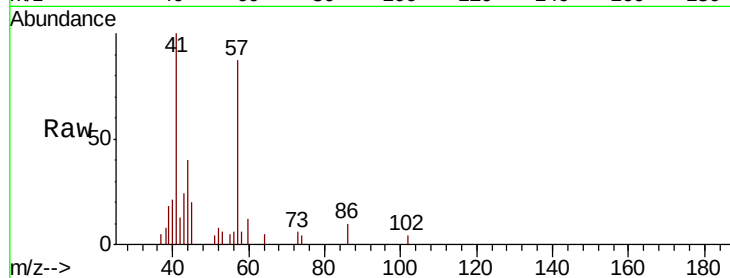




#48
Methvl methacrylate
Concen: 1.09 ug/l
RT: 9.18 min Scan# 2360
Delta R.T. -0.03 min
Lab File: VN050333.D
Acq: 4 Aug 2018 00:31

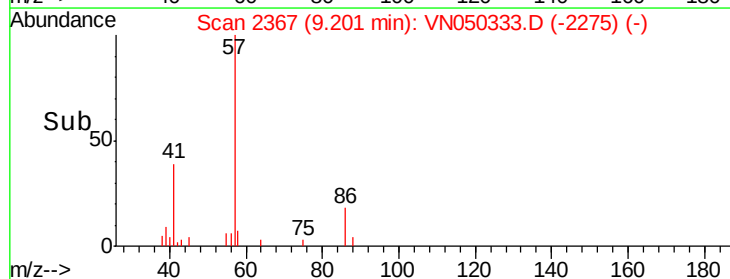
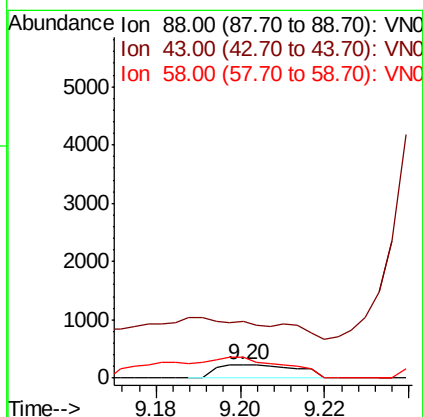
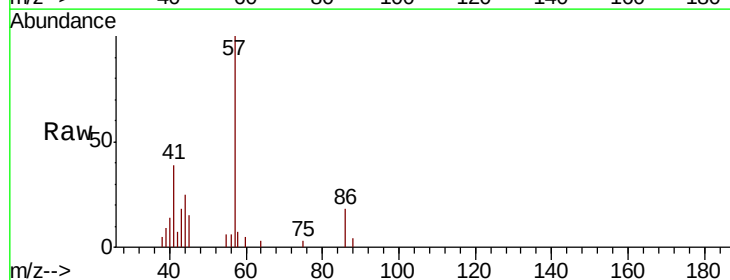
Instrument :
MSVOA_N
ClientSampleId :
PB111719ZHE#13

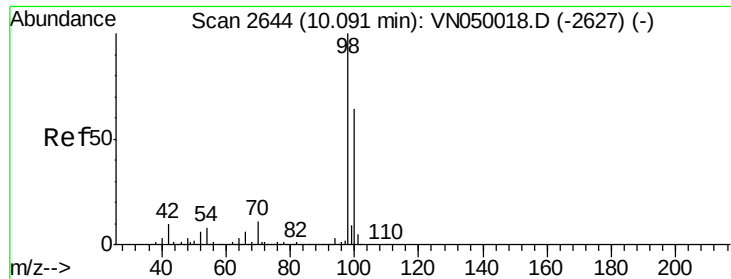
Tot Ion: 41 Resp: 7948
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 21.4 43.9 65.9#



#49
1,4-Dioxane
Concen: 3.11 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050333.D
Acq: 4 Aug 2018 00:31

Tgt Ion: 88 Resp: 308
Ion Ratio Lower Upper
88 100
43 0.0 26.9 40.3#
58 135.1 57.3 85.9#

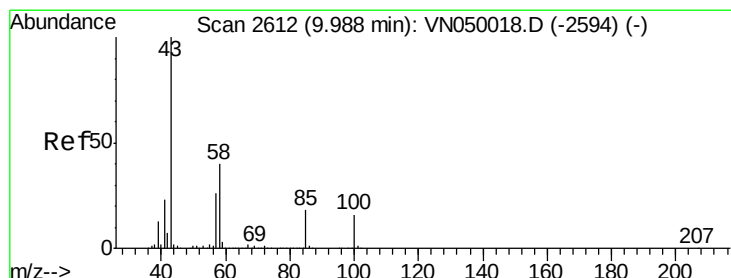
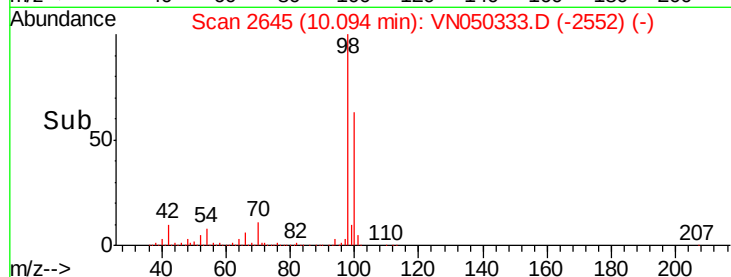
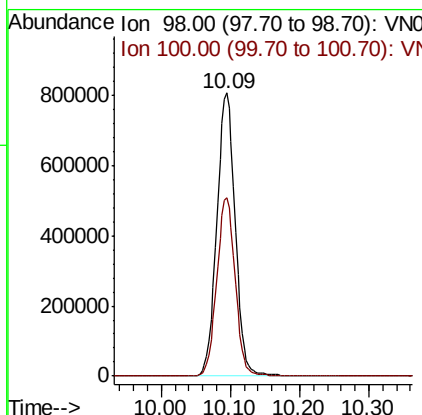
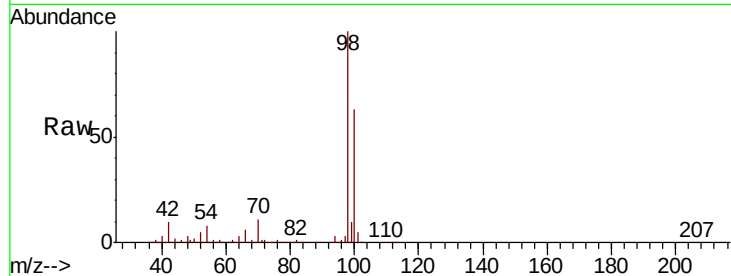




#50
Toluene-d8
Concen: 45.93 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050333.D
Acq: 4 Aug 2018 00:31

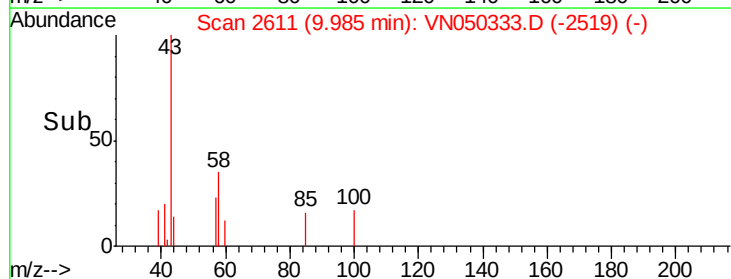
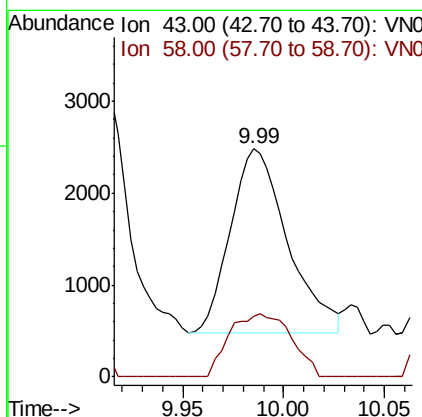
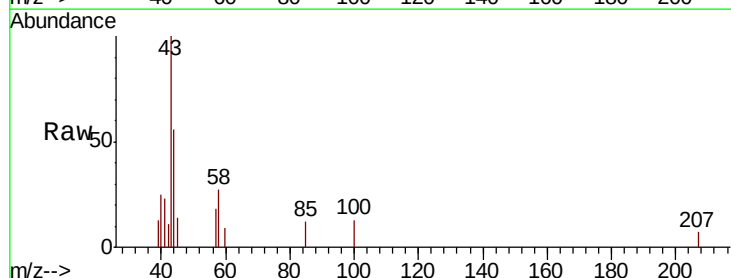
Instrument :
MSVOA_N
ClientSampleId :
PB111719ZHE#13

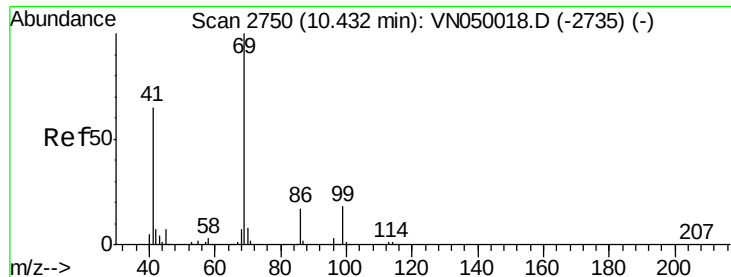
Tot Ion: 98 Resp: 1484203
Ion Ratio Lower Upper
98 100
100 63.1 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 0.48 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050333.D
Acq: 4 Aug 2018 00:31

Tgt Ion: 43 Resp: 3982
Ion Ratio Lower Upper
43 100
58 37.0 31.9 47.9





#56

Ethyl methacrylate

Concen: 2.04 ug/l

RT: 10.42 min Scan# 2747

Delta R.T. -0.01 min

Lab File: VN050333.D

Acq: 4 Aug 2018 00:31

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#13

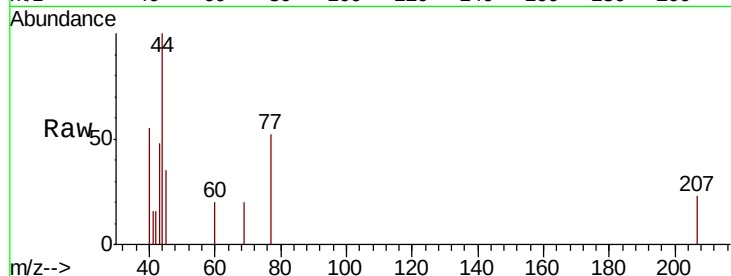
Tot Ion: 69 Resp: 139

Ion Ratio Lower Upper

69 100

41 115.1 51.0 76.4#

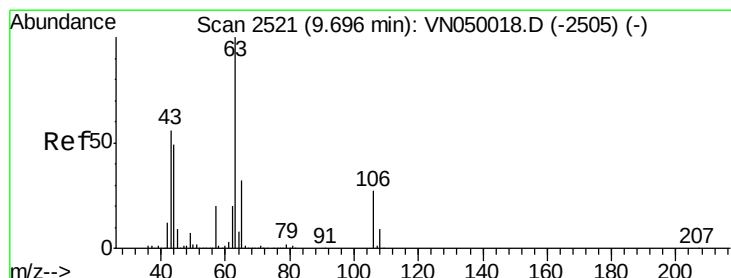
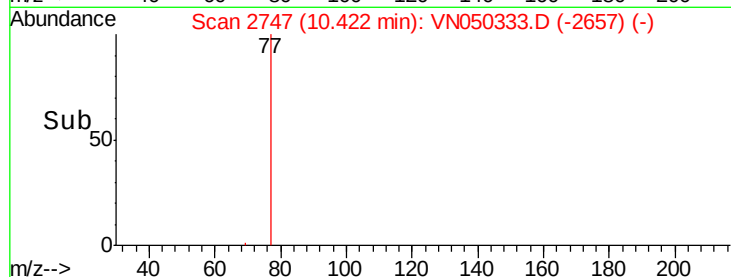
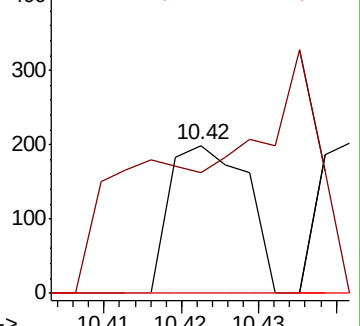
39 0.0 26.6 40.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 8.57 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050333.D

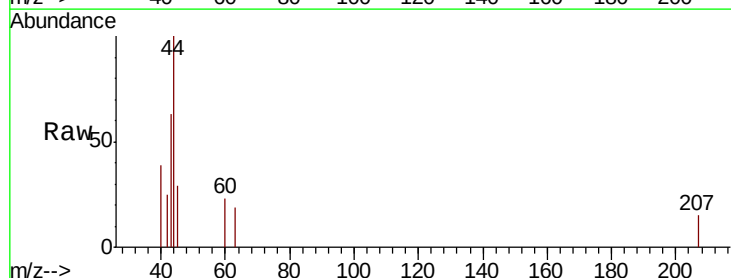
Acq: 4 Aug 2018 00:31

Tgt Ion: 63 Resp: 246

Ion Ratio Lower Upper

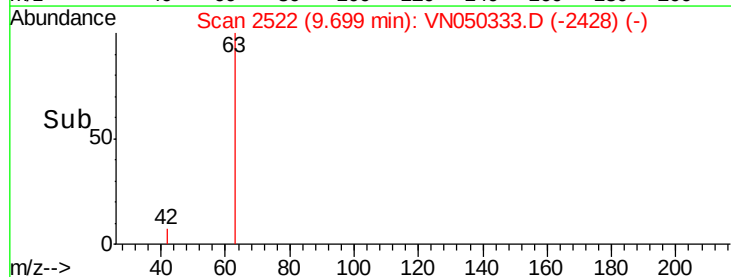
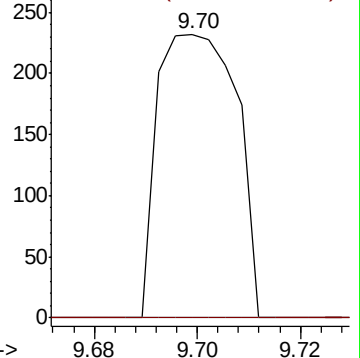
63 100

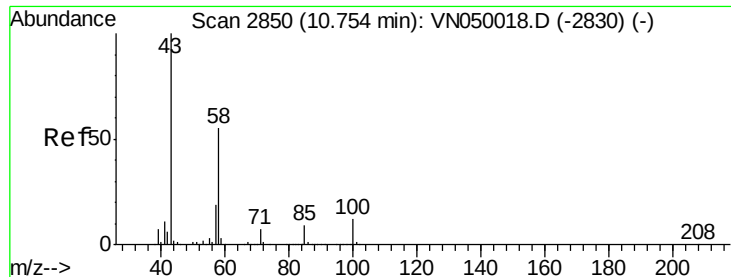
106 0.0 21.7 32.5#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 8.96 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050333.D

Acq: 4 Aug 2018 00:31

Instrument :

MSVOA_N

ClientSampleId :

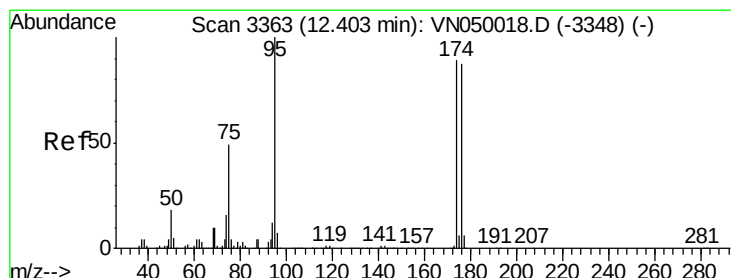
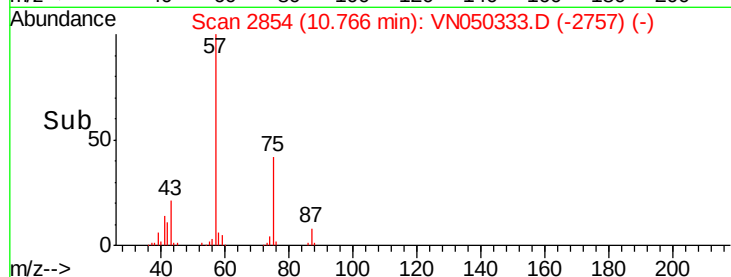
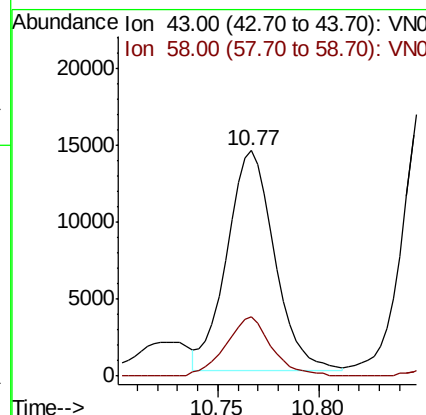
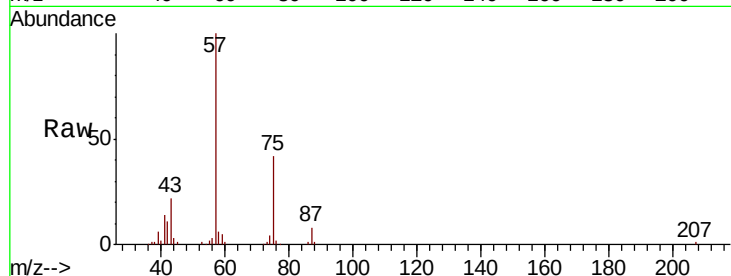
PB111719ZHE#13

Tot Ion: 43 Resp: 23590

Ion Ratio Lower Upper

43 100

58 25.9 27.6 82.7#



#62

4-Bromofluorobenzene

Concen: 40.81 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050333.D

Acq: 4 Aug 2018 00:31

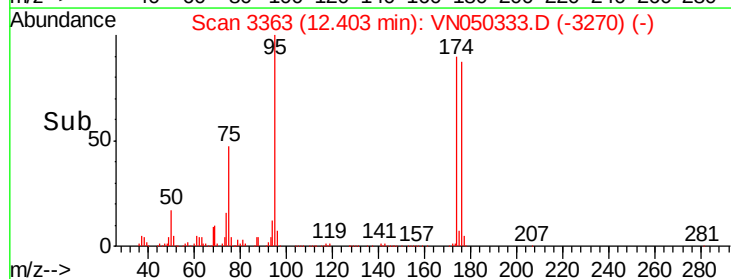
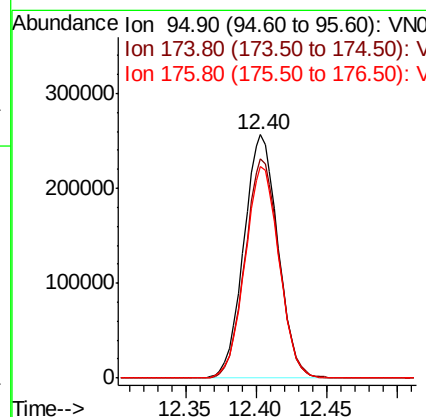
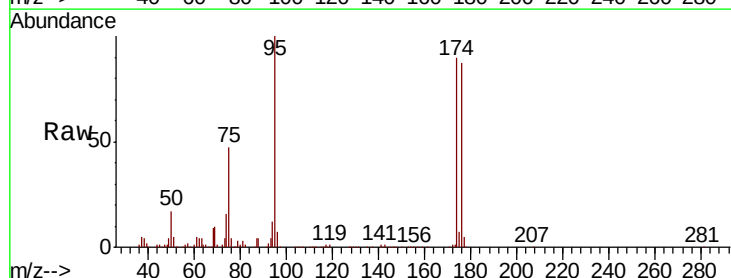
Tgt Ion: 95 Resp: 434296

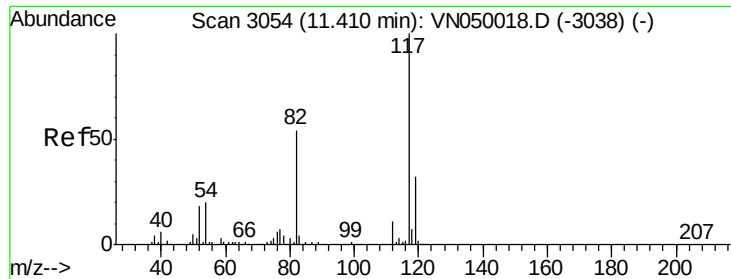
Ion Ratio Lower Upper

95 100

174 90.2 0.0 178.2

176 87.2 0.0 173.4

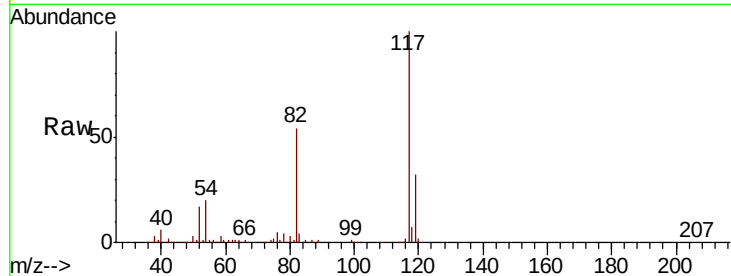




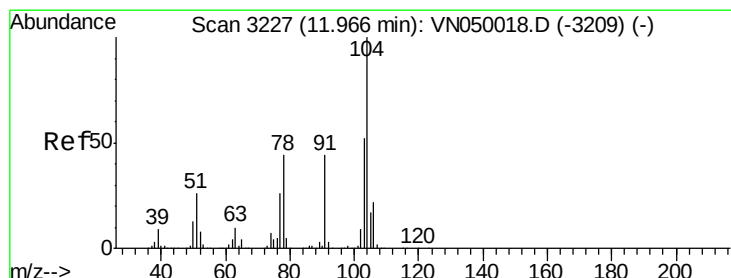
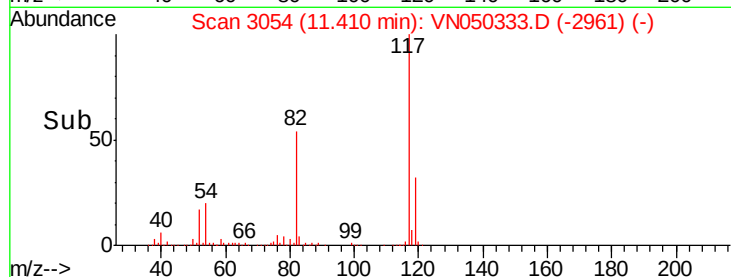
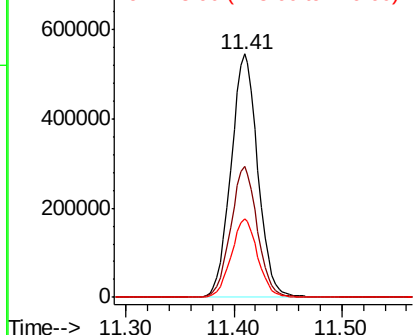
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050333.D
Acq: 4 Aug 2018 00:31

Instrument :
MSVOA_N
ClientSampleId :
PB111719ZHE#13

Tot Ion:117 Resp: 945613
Ion Ratio Lower Upper
117 100
82 53.7 43.7 65.5
119 32.2 26.1 39.1

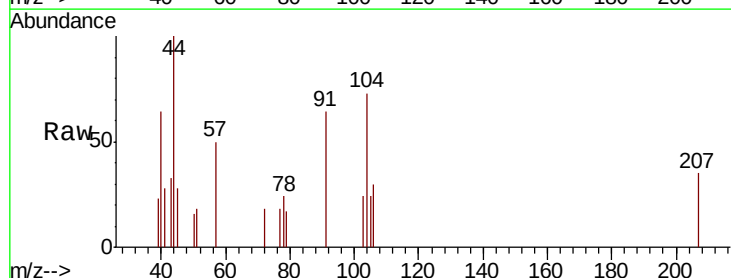


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

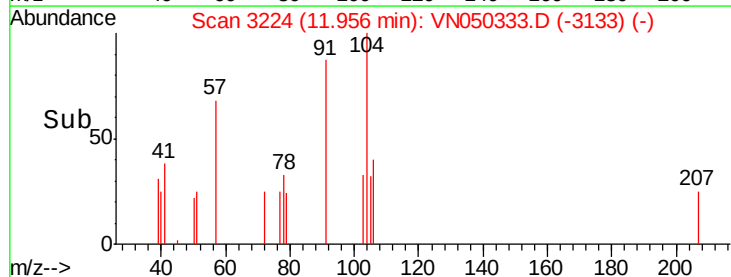
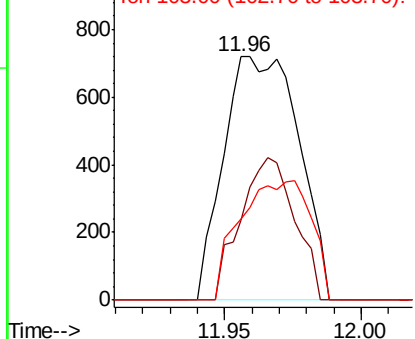


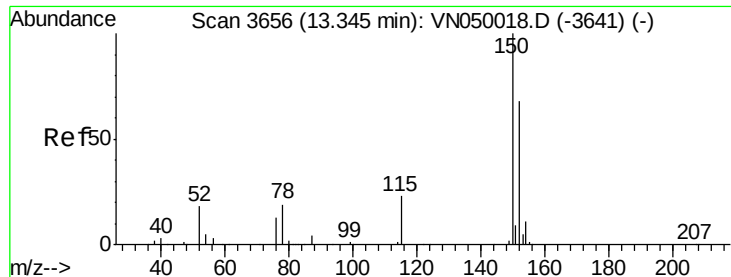
#70
Styrene
Concen: 0.98 ug/l
RT: 11.96 min Scan# 3224
Delta R.T. -0.01 min
Lab File: VN050333.D
Acq: 4 Aug 2018 00:31

Tgt Ion:104 Resp: 1380
Ion Ratio Lower Upper
104 100
78 42.1 39.3 58.9
103 46.5 45.0 67.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050333.D

Acq: 4 Aug 2018 00:31

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#13

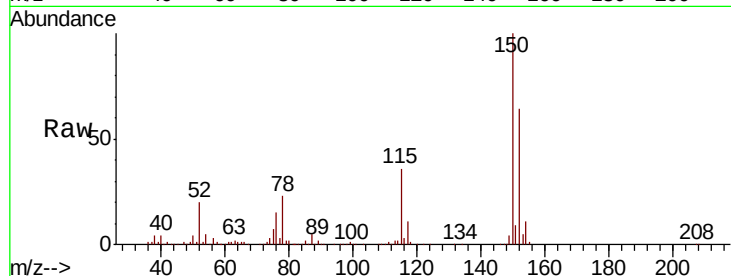
Tot Ion:152 Resp: 380442

Ion Ratio Lower Upper

152 100

115 55.7 27.8 83.3

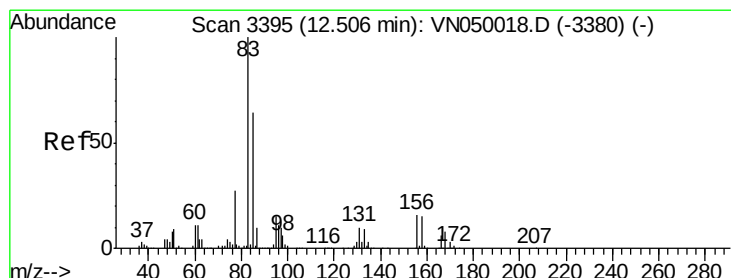
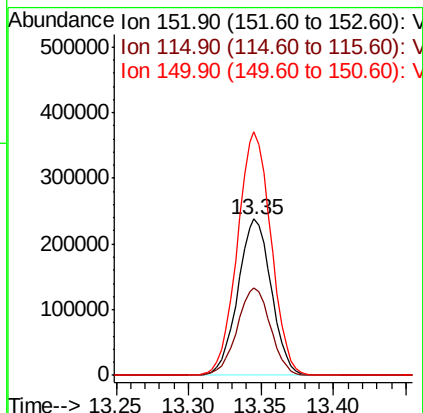
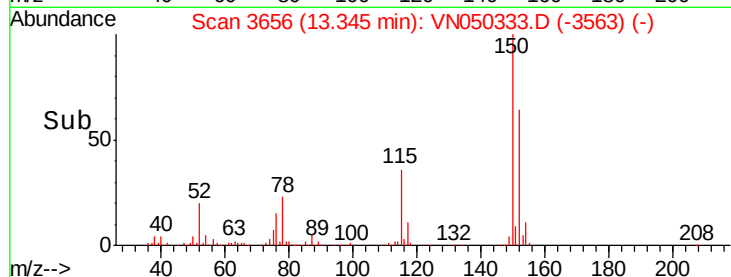
150 156.8 0.0 348.6



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VN050333.D

Acq: 4 Aug 2018 00:31

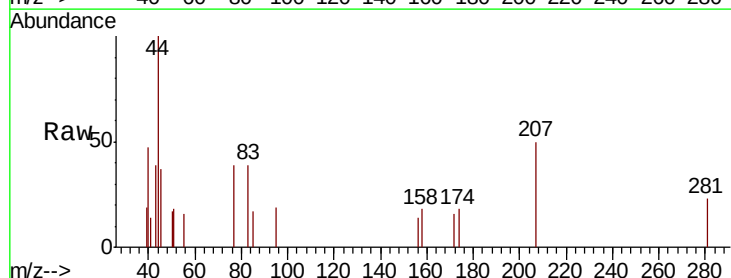
Tgt Ion: 83 Resp: 678

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

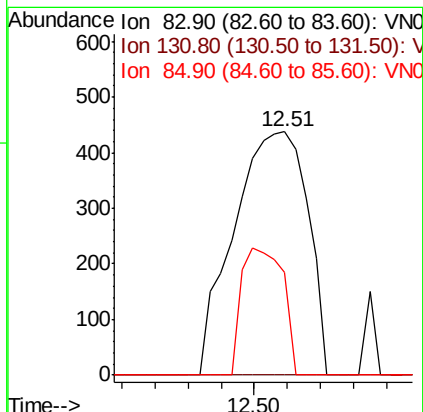
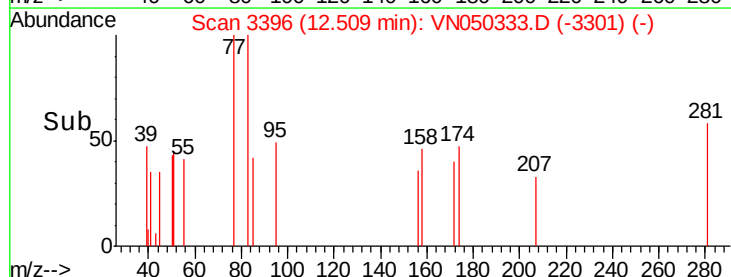
85 29.4 32.3 96.8#

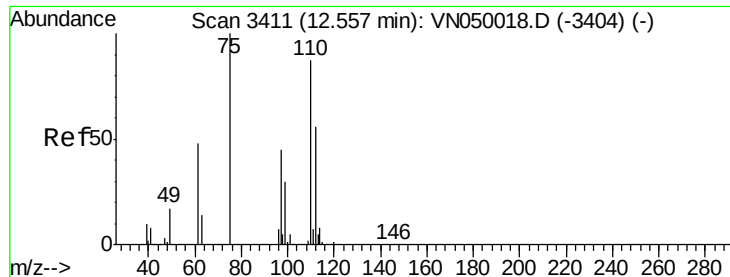


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 29.30 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050333.D

Acq: 4 Aug 2018 00:31

Instrument :

MSVOA_N

ClientSampleId :

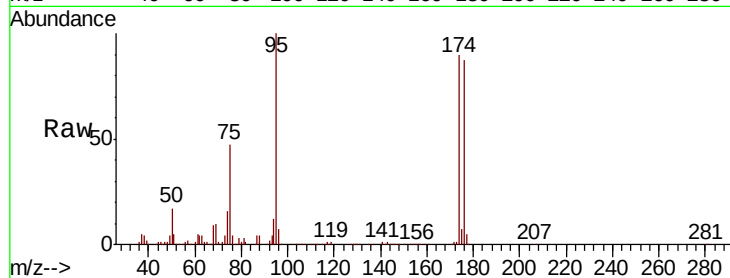
PB111719ZHE#13

Tot Ion: 75 Resp: 207173

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

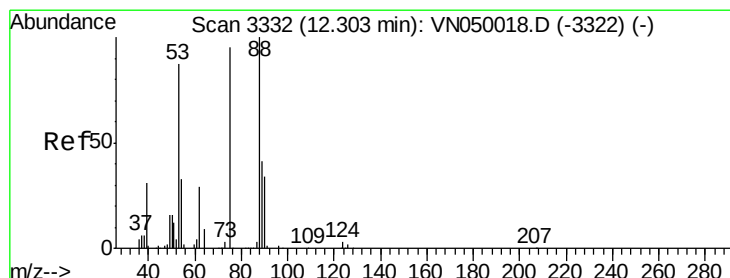
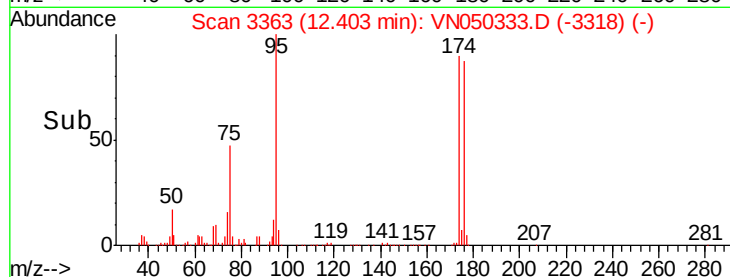
12.40

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 92.94 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050333.D

Acq: 4 Aug 2018 00:31

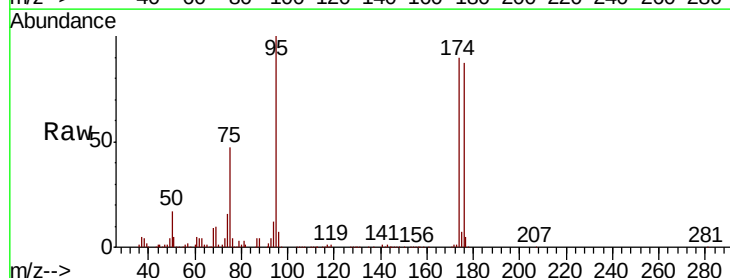
Tgt Ion: 75 Resp: 207173

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

89 0.0 36.0 54.0#



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

12.40

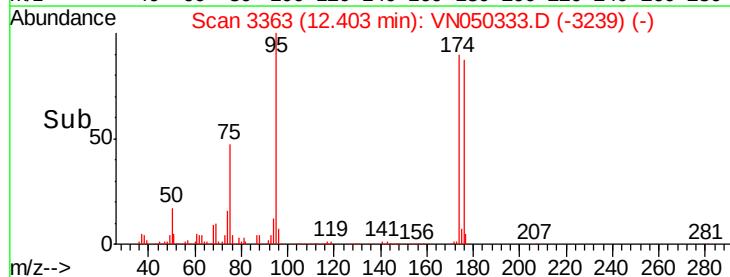
150000

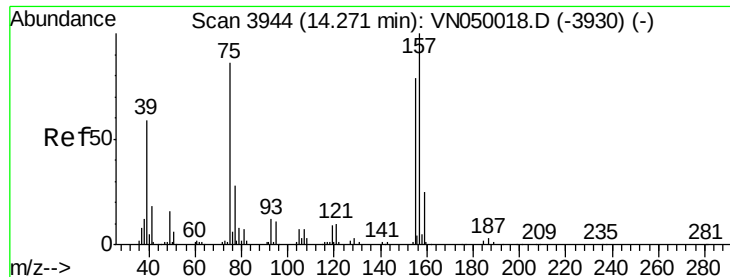
100000

50000

0

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.25 min Scan# 3938

Delta R.T. -0.02 min

Lab File: VN050333.D

Acq: 4 Aug 2018 00:31

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#13

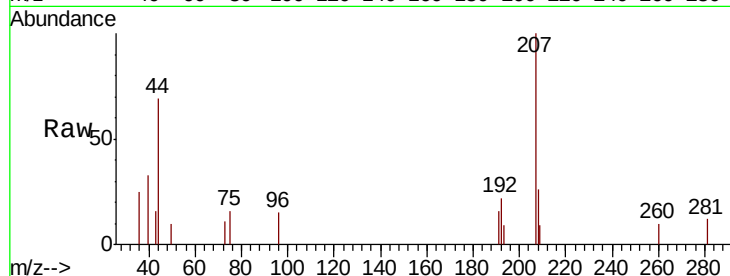
Tot Ion: 75 Resp: 235

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

157 44.7 57.2 171.6#

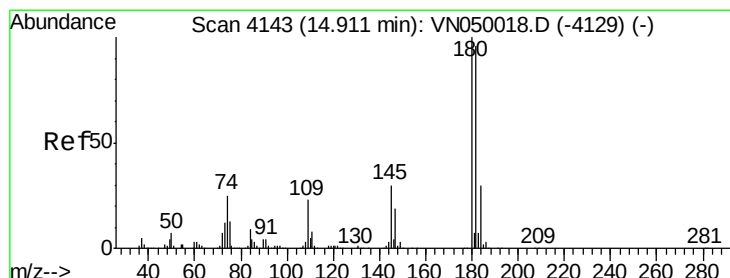
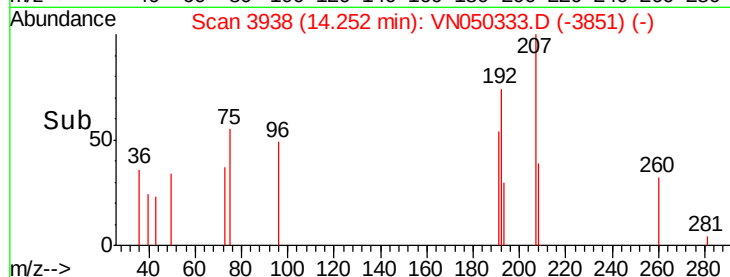


Abundance Ion 74.90 (74.60 to 75.60): VN050333.D (-3930) (-)

Ion 154.80 (154.50 to 155.50): VN050333.D (-3930) (-)

Ion 156.80 (156.50 to 157.50): VN050333.D (-3930) (-)

Time--> 14.23 14.24 14.25 14.26



#93

1,2,4-Trichlorobenzene

Concen: 3.54 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN050333.D

Acq: 4 Aug 2018 00:31

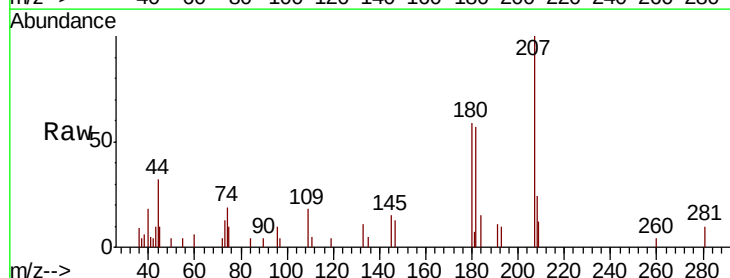
Tgt Ion: 180 Resp: 3561

Ion Ratio Lower Upper

180 100

182 94.7 46.7 140.1

145 28.3 13.8 41.4

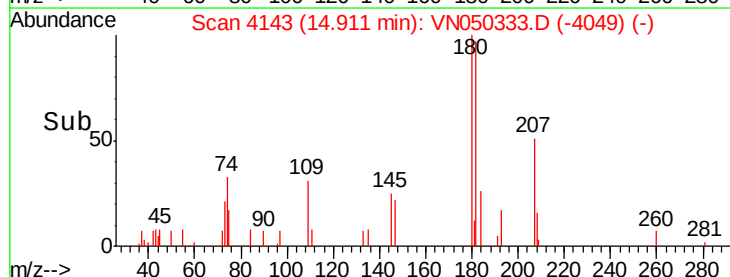


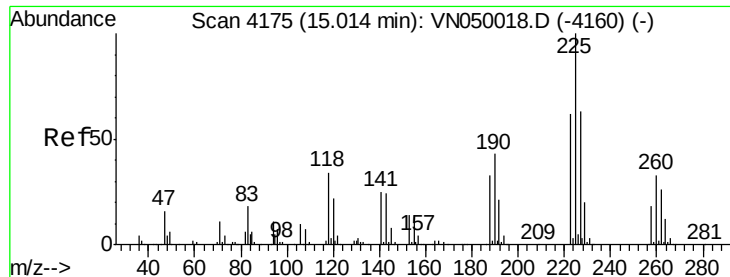
Abundance Ion 179.80 (179.50 to 180.50): VN050333.D (-4049) (-)

Ion 181.80 (181.50 to 182.50): VN050333.D (-4049) (-)

Ion 144.80 (144.50 to 145.50): VN050333.D (-4049) (-)

Time--> 14.90 14.91 14.92 14.93 14.94 14.95





#94

Hexachlorobutadiene

Concen: 0.30 ug/l

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN050333.D

Acq: 4 Aug 2018 00:31

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#13

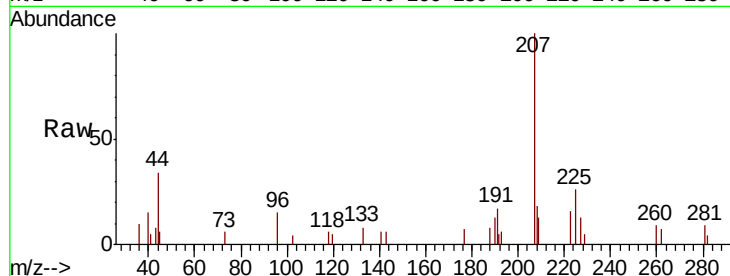
Tot Ion:225 Resp: 1260

Ion Ratio Lower Upper

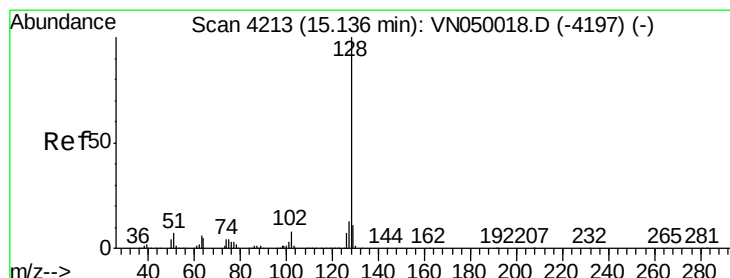
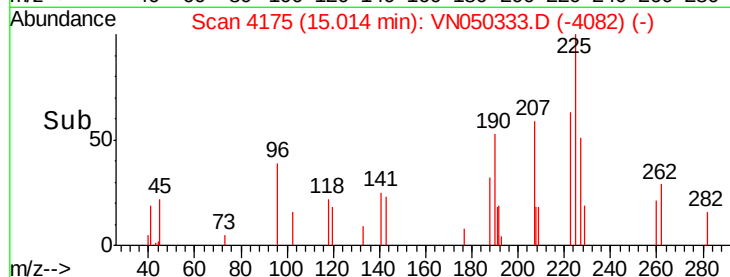
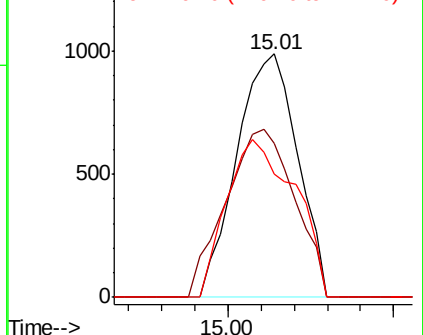
225 100

223 78.1 31.4 94.2

227 73.0 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 4.89 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050333.D

Acq: 4 Aug 2018 00:31

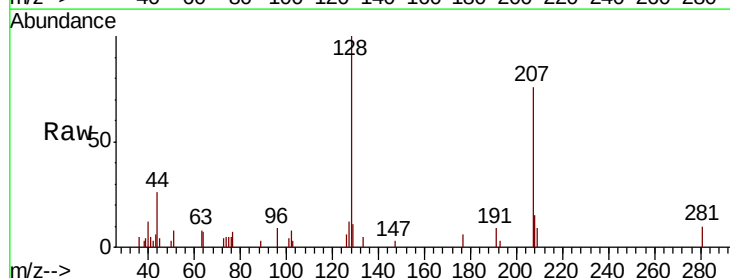
Tgt Ion:128 Resp: 9100

Ion Ratio Lower Upper

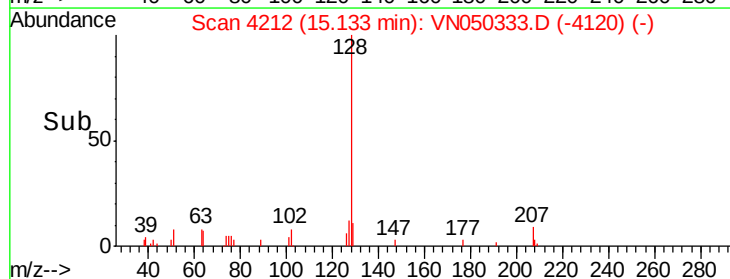
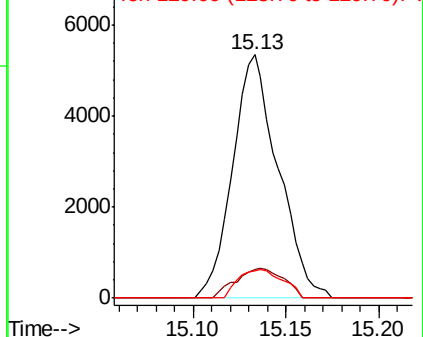
128 100

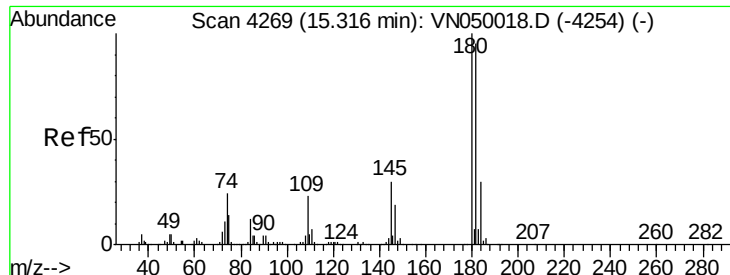
127 12.9 10.4 15.6

129 11.4 8.8 13.2



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





#96

1,2,3-Trichlorobenzene

Concen: 2.70 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050333.D

Acq: 4 Aug 2018 00:31

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#13

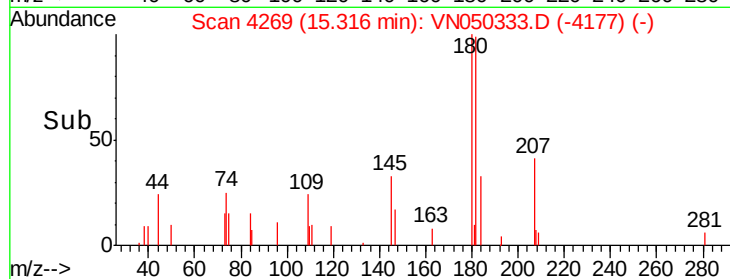
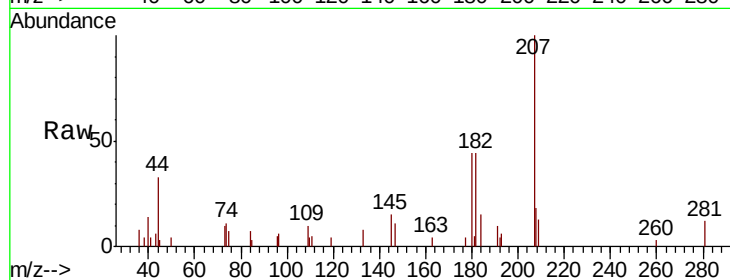
Tot Ion:180 Resp: 3735

Ion Ratio Lower Upper

180 100

182 95.3 48.1 144.4

145 32.6 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

