

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050539.D
 Acq On : 11 Aug 2018 00:52
 Operator : MD\SY
 Sample : PB111921ZHE#13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111921ZHE#13

Quant Time: Aug 11 05:00:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	628880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1053022	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	900709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	332041	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	438340	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
35) Dibromofluoromethane	7.59	113	401598	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	
50) Toluene-d8	10.09	98	1436037	45.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.40%	
62) 4-Bromofluorobenzene	12.40	95	402035	37.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.26%	

Target Compounds

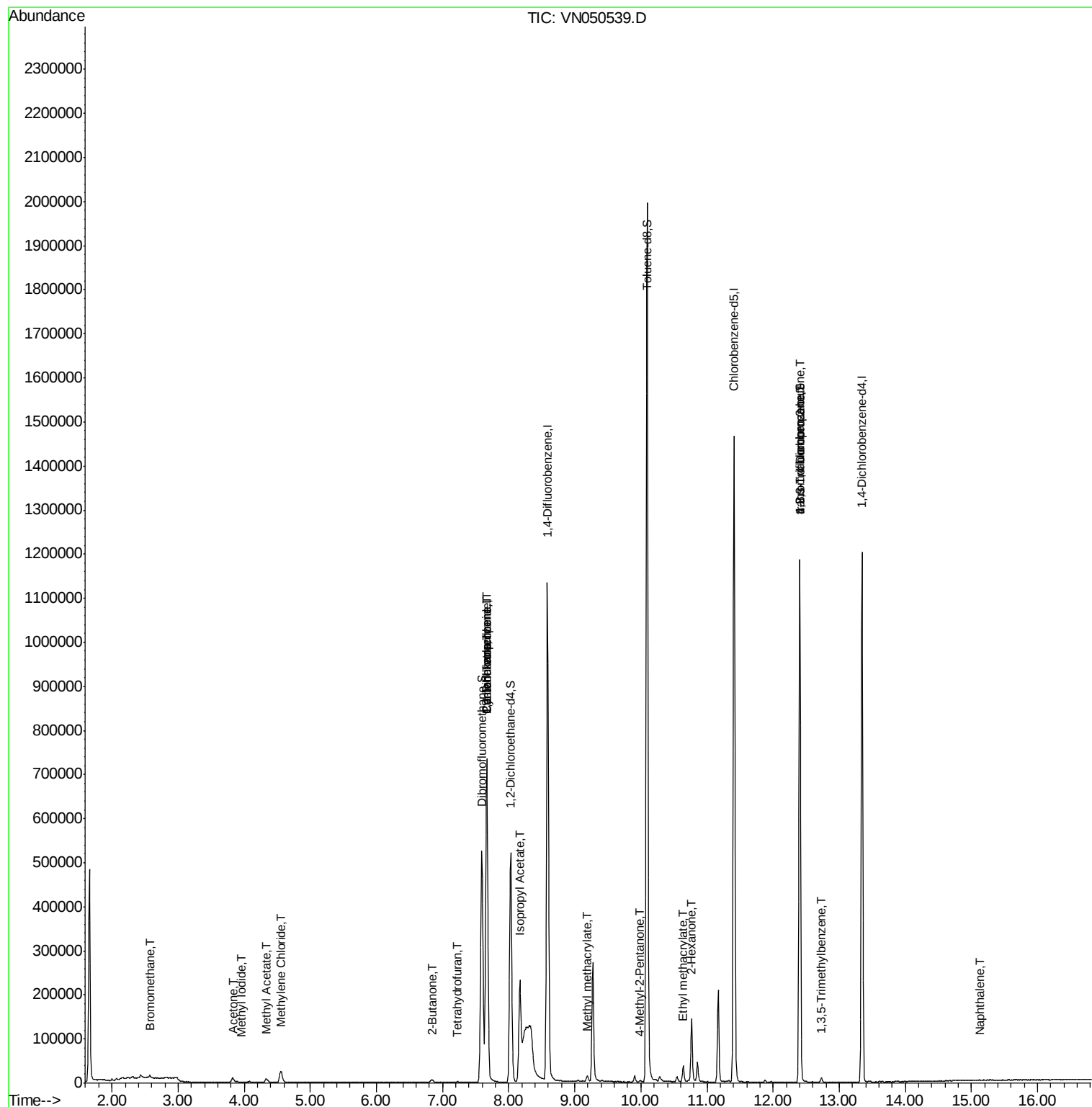
						Qvalue
3) Chloromethane	2.06	50	2822	Below Cal		93
5) Bromomethane	2.57	94	4310	1.15	ug/l	91
10) Methyl Iodide	3.96	142	1213	0.38	ug/l #	70
16) Acetone	3.83	43	18406	7.00	ug/l	97
18) Methyl Acetate	4.33	43	16307	2.32	ug/l	93
20) Methylene Chloride	4.56	84	19292	1.00	ug/l #	88
25) 2-Butanone	6.85	43	4307	1.03	ug/l	97
29) Tetrahydrofuran	7.23	42	1819	0.82	ug/l #	52
31) Cyclohexane	7.67	56	11194	0.30	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	43698	3.78	ug/l #	48
38) Carbon Tetrachloride	7.67	117	56068	4.65	ug/l #	16
43) Isopropyl Acetate	8.17	43	281509	19.57	ug/l	98
48) Methyl methacrylate	9.18	41	8210	1.14	ug/l #	21
51) 4-Methyl-2-Pentanone	9.98	43	2590	0.25	ug/l #	79
56) Ethyl methacrylate	10.65	69	787	1.77	ug/l #	1
59) 2-Hexanone	10.77	43	19873	2.75	ug/l #	56
76) 1,2,3-Trichloropropane	12.40	75	190575	31.71	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	4956	0.24	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	190575	111.41	ug/l #	13
95) Naphthalene	15.14	128	529	3.65	ug/l #	69

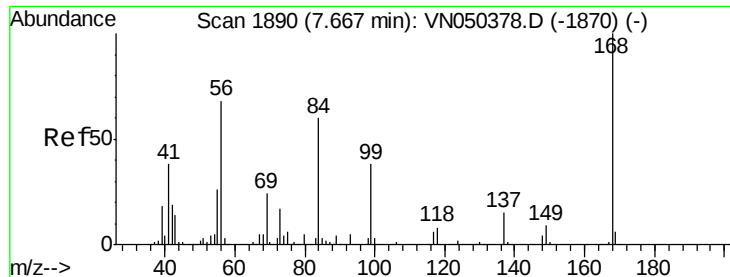
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 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: VN050539.D

Acq: 11 Aug 2018 00:52

Instrument :

MSVOA_N

ClientSampleId :

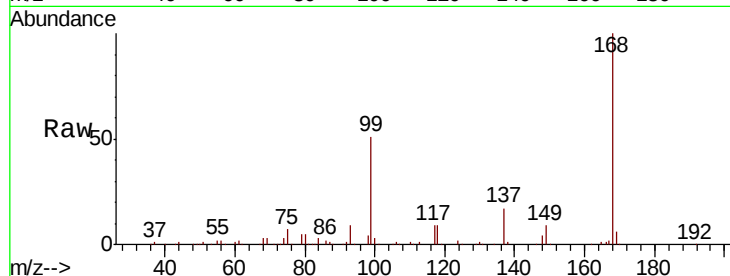
PB111921ZHE#13

Tot Ion:168 Resp: 628880

Ion Ratio Lower Upper

168 100

99 51.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

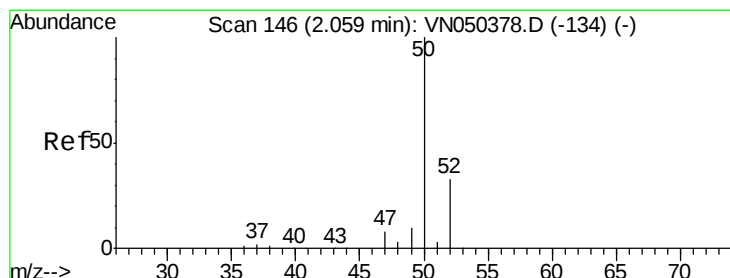
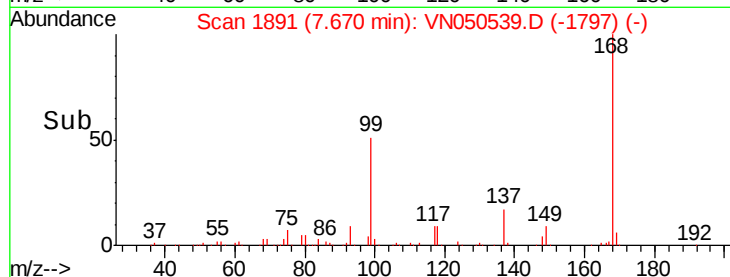
100000

50000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050539.D

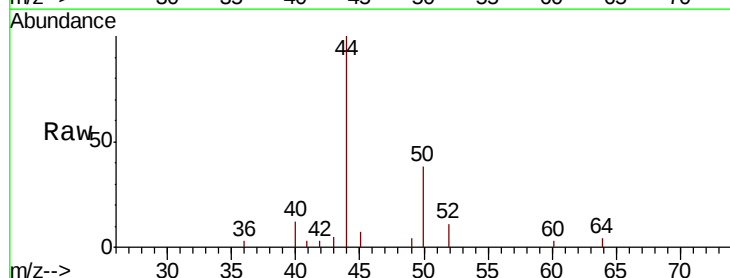
Acq: 11 Aug 2018 00:52

Tgt Ion: 50 Resp: 2822

Ion Ratio Lower Upper

50 100

52 28.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

2500

2000

1500

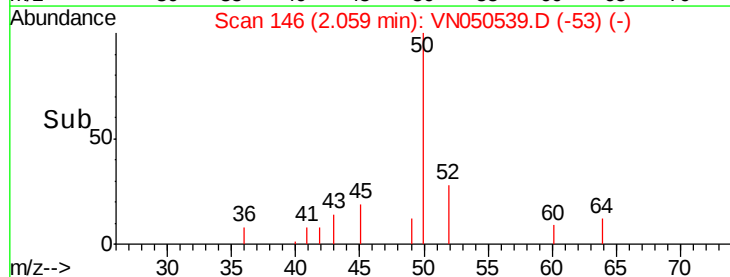
1000

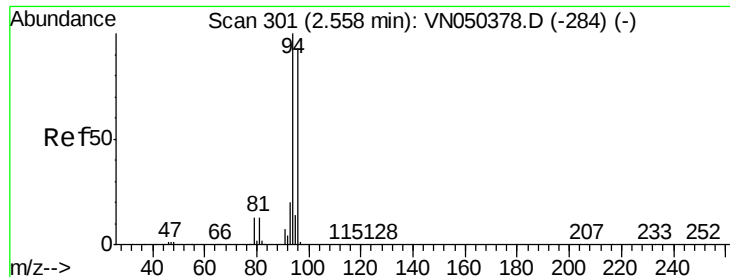
500

0

2.05 2.10

Time-->





#5

Bromomethane

Concen: 1.15 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050539.D

Acq: 11 Aug 2018 00:52

Instrument :

MSVOA_N

ClientSampleId :

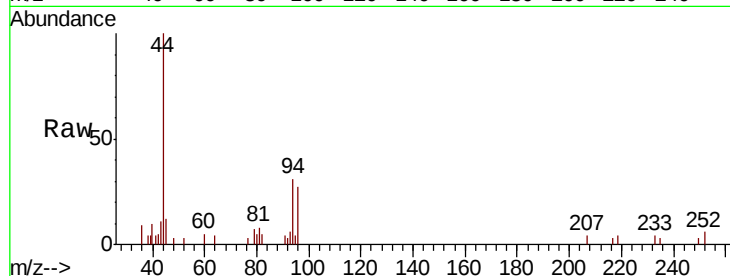
PB111921ZHE#13

Tot Ion: 94 Resp: 4310

Ion Ratio Lower Upper

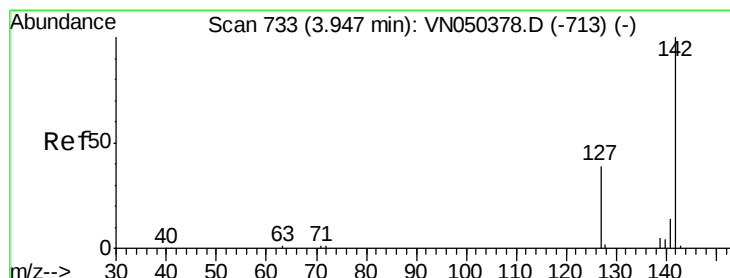
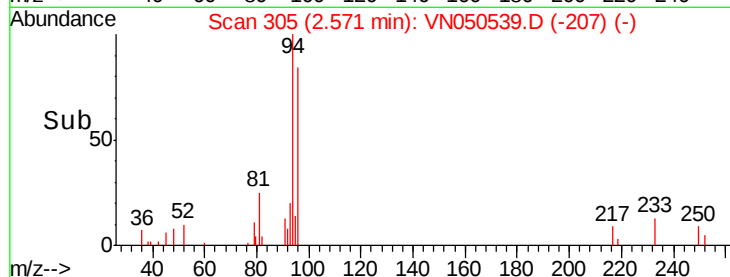
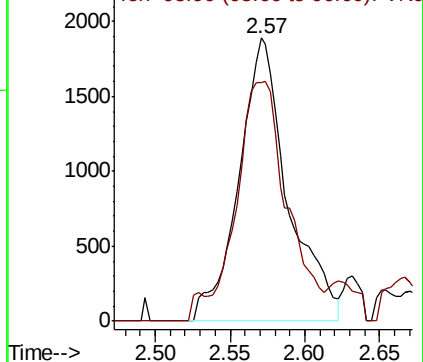
94 100

96 84.4 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN050539.D (-207) (-)

Ion 95.90 (95.60 to 96.60): VN050539.D (-207) (-)



#10

Methyl Iodide

Concen: 0.38 ug/l

RT: 3.96 min Scan# 736

Delta R.T. 0.01 min

Lab File: VN050539.D

Acq: 11 Aug 2018 00:52

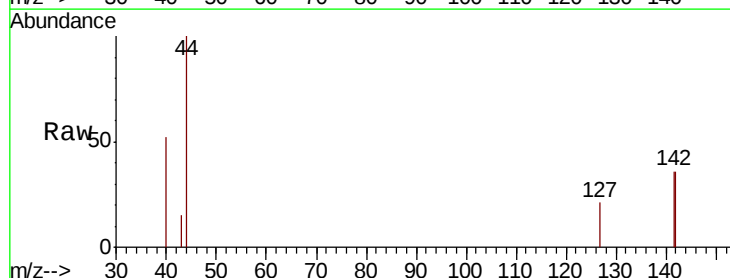
Tgt Ion: 142 Resp: 1213

Ion Ratio Lower Upper

142 100

127 24.4 33.4 50.2#

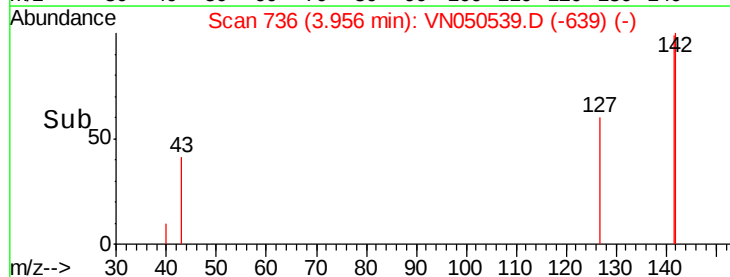
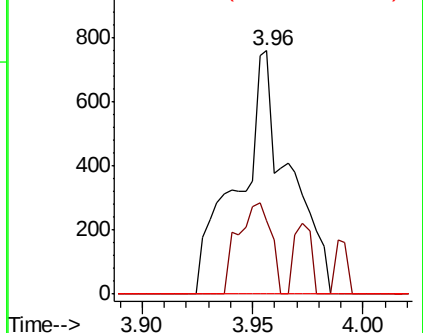
141 0.0 11.6 17.4#

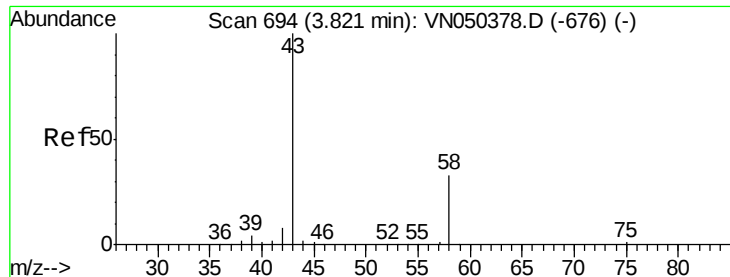


Abundance Ion 141.80 (141.50 to 142.50): VN050539.D (-639) (-)

Ion 126.80 (126.50 to 127.50): VN050539.D (-639) (-)

Ion 140.80 (140.50 to 141.50): VN050539.D (-639) (-)





#16

Acetone

Concen: 7.00 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050539.D

Acq: 11 Aug 2018 00:52

Instrument :

MSVOA_N

ClientSampleId :

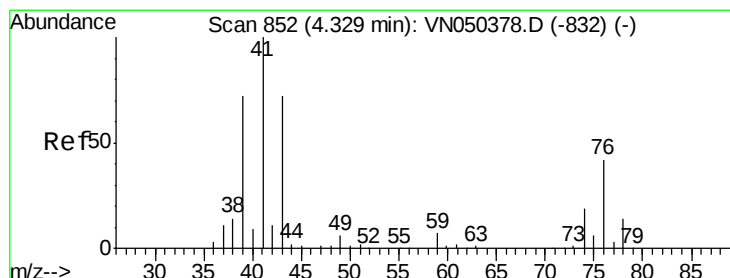
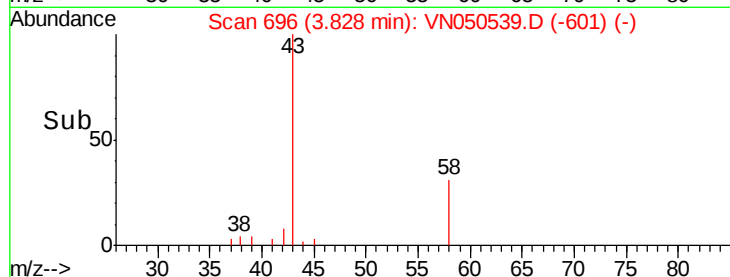
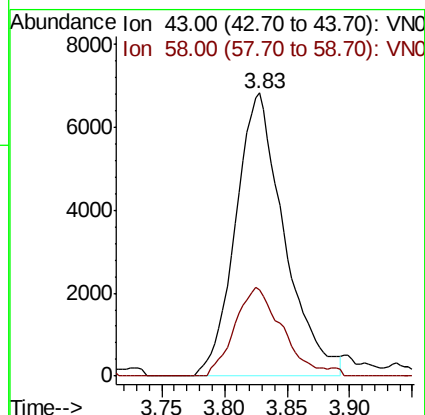
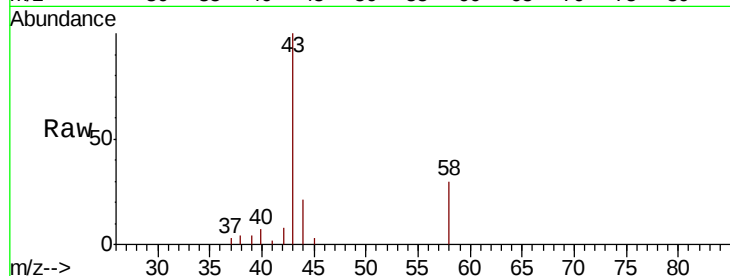
PB111921ZHE#13

Tot Ion: 43 Resp: 18406

Ion Ratio Lower Upper

43 100

58 30.4 25.8 38.8



#18

Methyl Acetate

Concen: 2.32 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050539.D

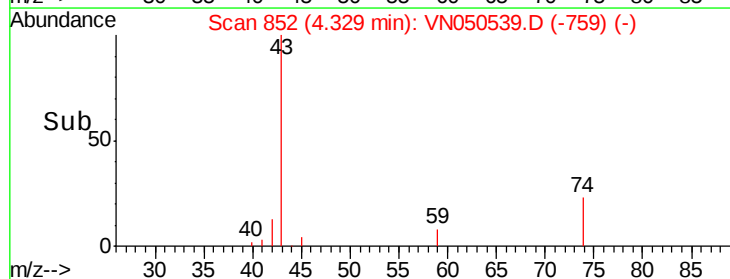
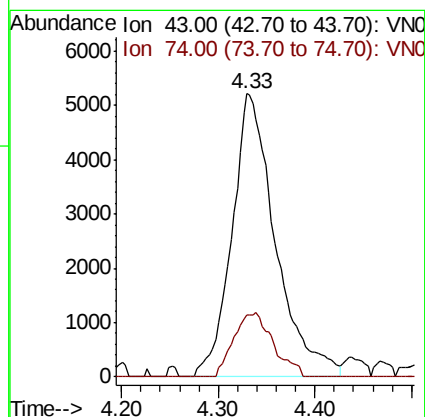
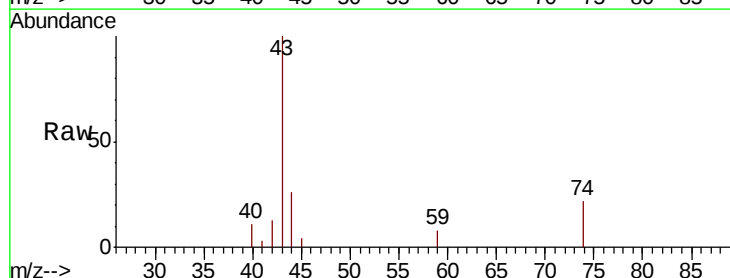
Acq: 11 Aug 2018 00:52

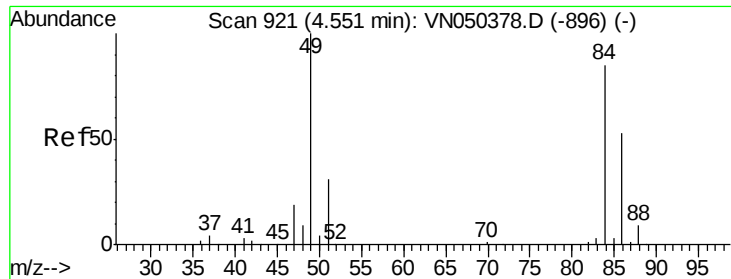
Tgt Ion: 43 Resp: 16307

Ion Ratio Lower Upper

43 100

74 20.4 19.2 28.8

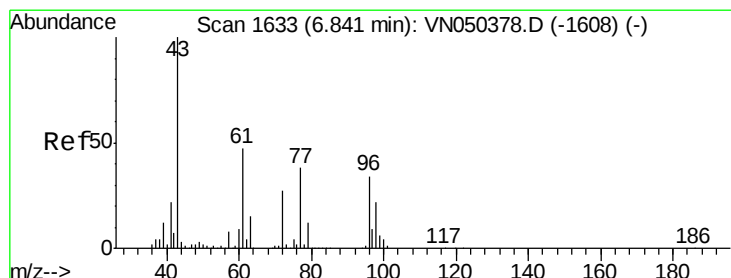
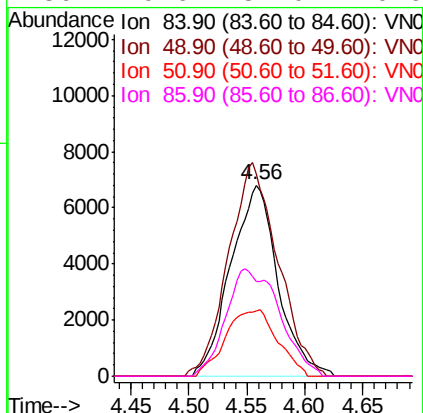
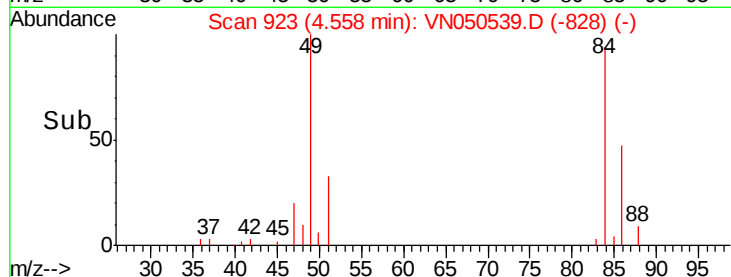
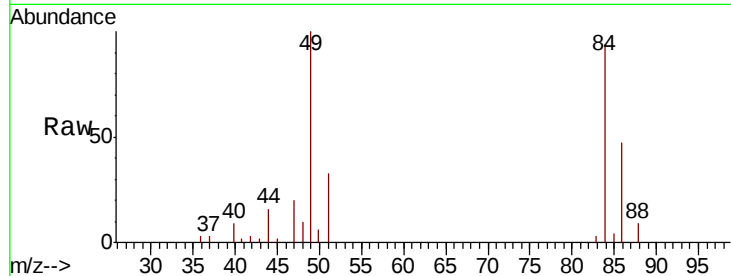




#20
Methvlene Chloride
Concen: 1.00 ug/l
RT: 4.56 min Scan# 923
Delta R.T. 0.01 min
Lab File: VN050539.D
Acq: 11 Aug 2018 00:52

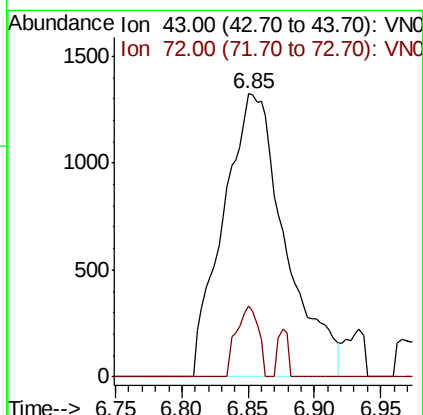
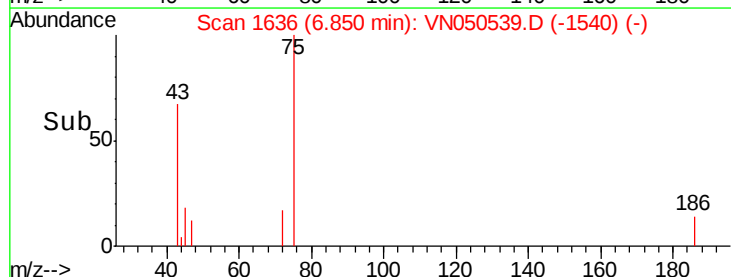
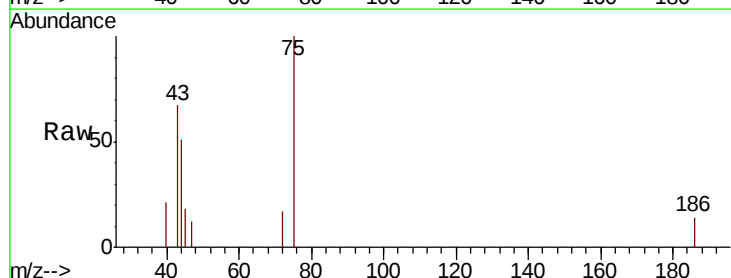
Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#13

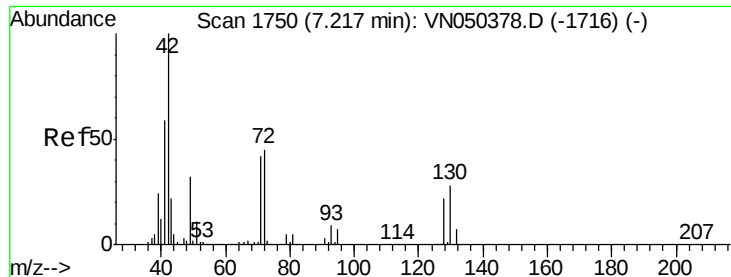
Tot Ion: 84 Resp: 19292
Ion Ratio Lower Upper
84 100
49 105.9 94.8 142.2
51 34.5 28.3 42.5
86 49.6 51.0 76.6#



#25
2-Butanone
Concen: 1.03 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN050539.D
Acq: 11 Aug 2018 00:52

Tgt Ion: 43 Resp: 4307
Ion Ratio Lower Upper
43 100
72 25.2 21.5 32.3

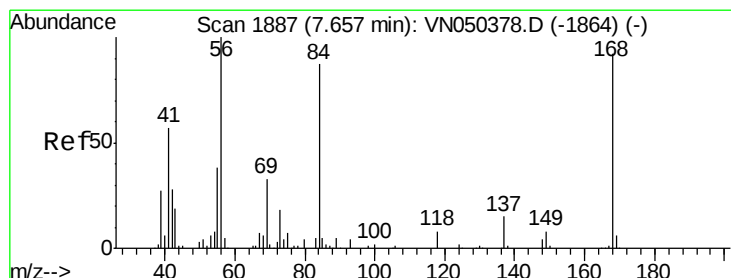
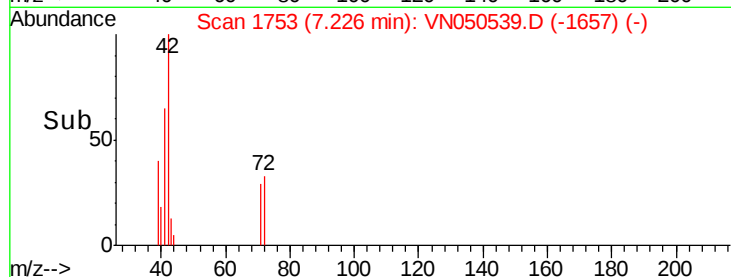
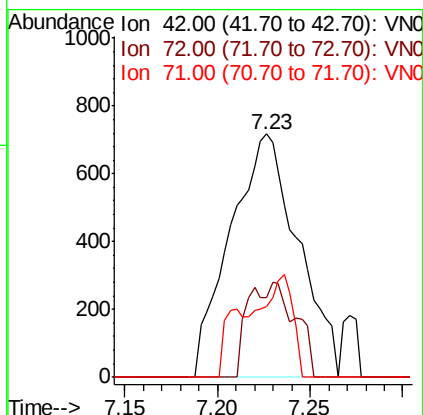
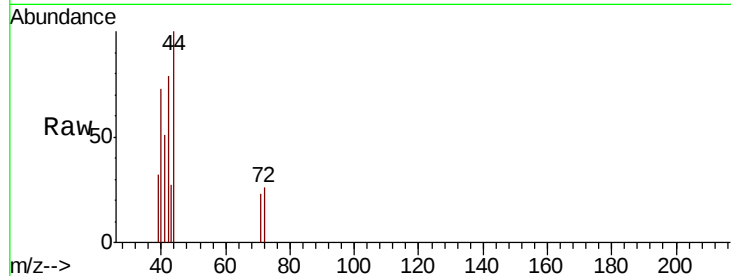




#29
Tetrahydrofuran
Concen: 0.82 ug/l
RT: 7.23 min Scan# 1753
Delta R.T. 0.01 min
Lab File: VN050539.D
Acq: 11 Aug 2018 00:52

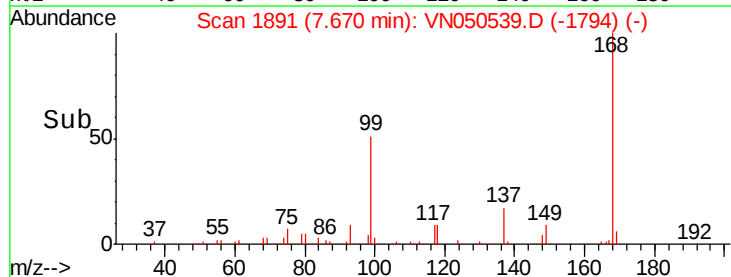
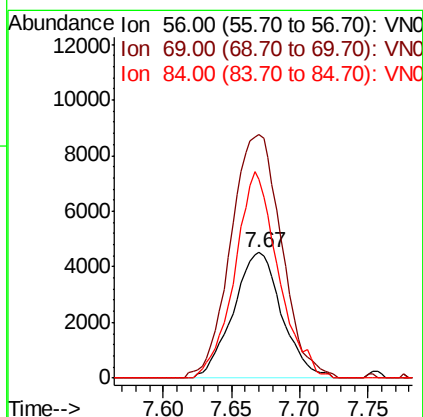
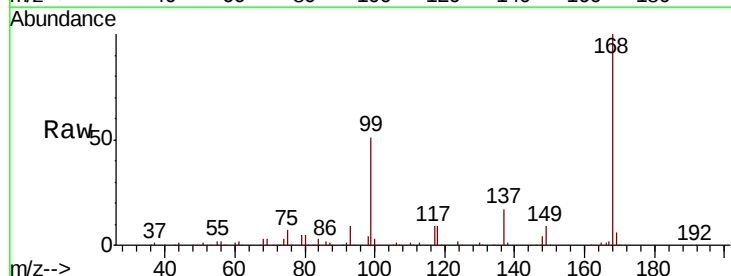
Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#13

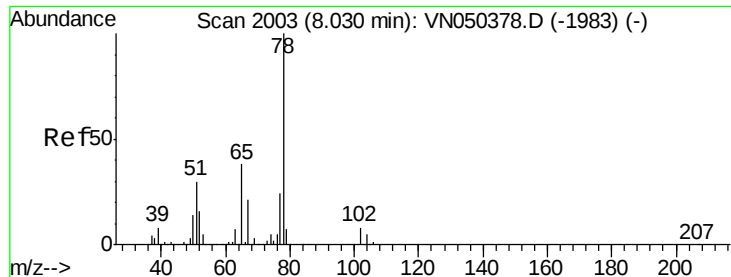
Tot Ion: 42 Resp: 1819
Ion Ratio Lower Upper
42 100
72 9.6 35.9 53.9#
71 15.2 33.7 50.5#



#31
Cyclohexane
Concen: 0.30 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.01 min
Lab File: VN050539.D
Acq: 11 Aug 2018 00:52

Tgt Ion: 56 Resp: 11194
Ion Ratio Lower Upper
56 100
69 193.7 26.2 39.4#
84 157.7 67.4 101.0#

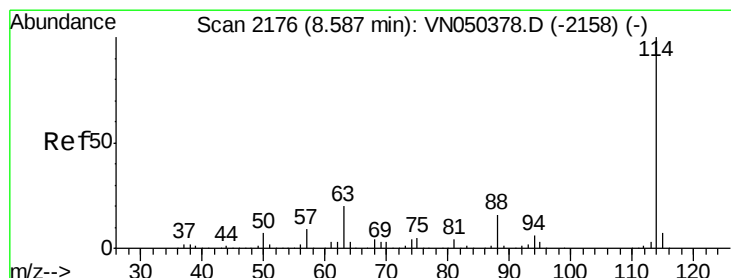
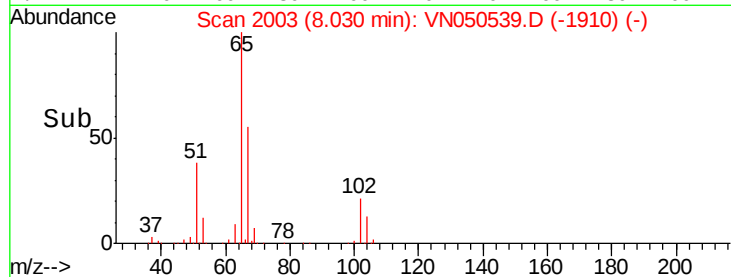
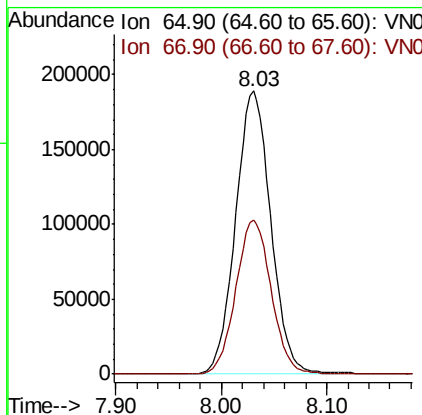
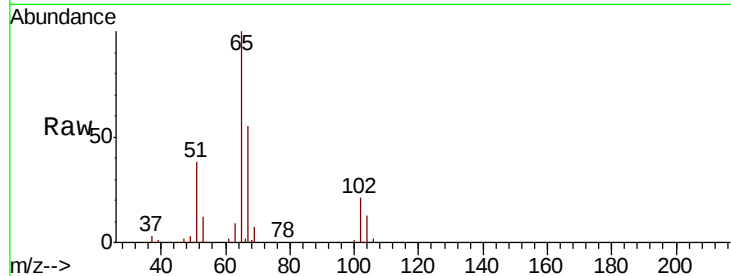




#33
 1,2-Dichloroethane-d4
 Concen: 52.17 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050539.D
 Acq: 11 Aug 2018 00:52

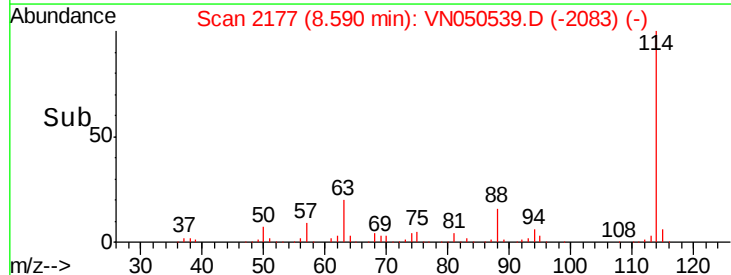
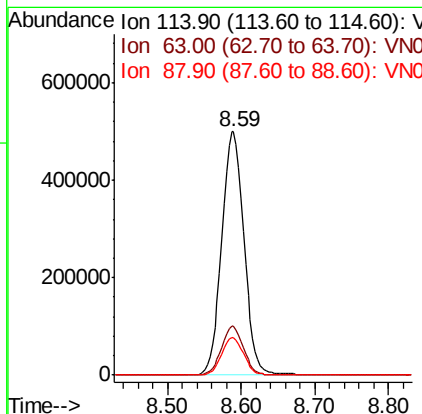
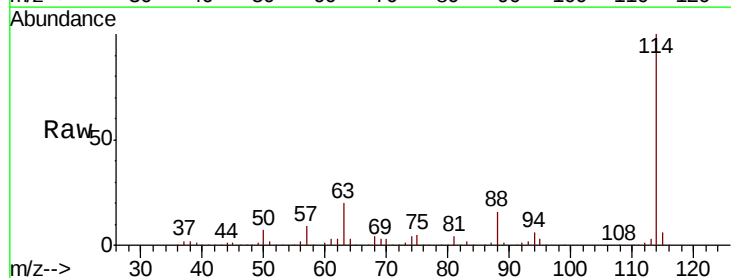
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111921ZHE#13

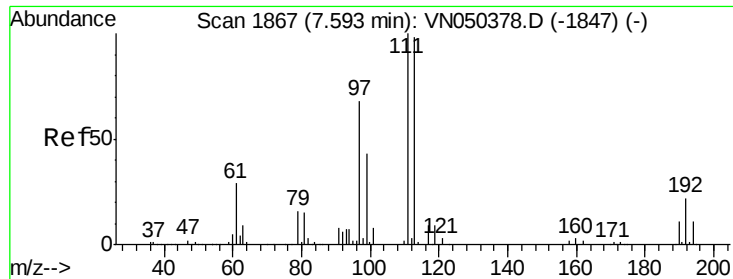
Tot Ion: 65 Resp: 438340
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050539.D
 Acq: 11 Aug 2018 00:52

Tgt Ion: 114 Resp: 1053022
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.5 0.0 31.2

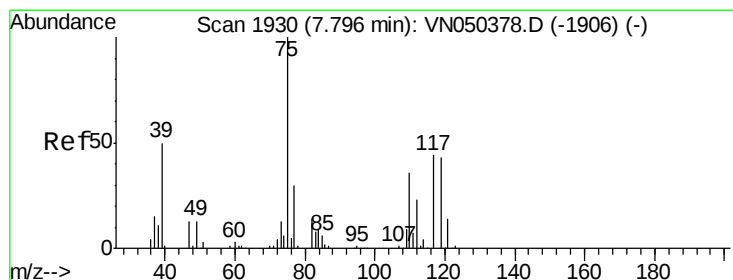
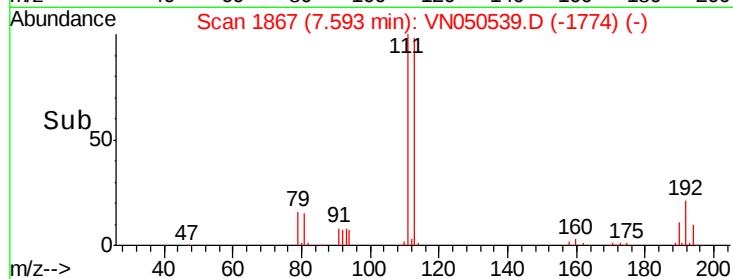
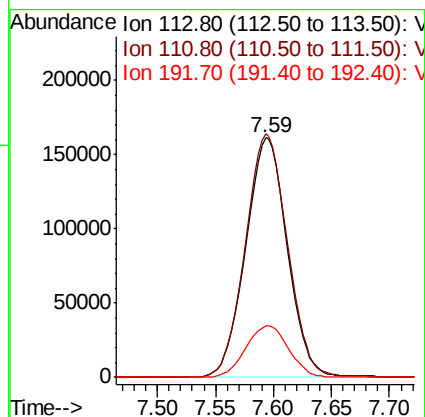
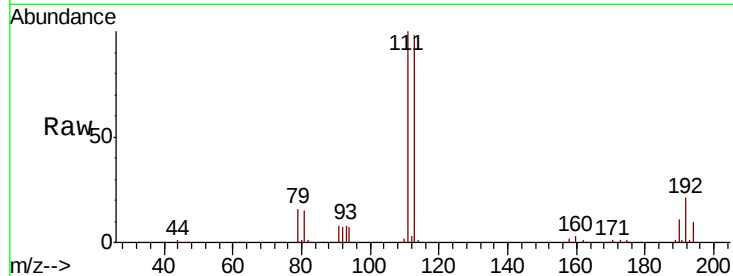




#35
 Dibromofluoromethane
 Concen: 47.53 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050539.D
 Acq: 11 Aug 2018 00:52

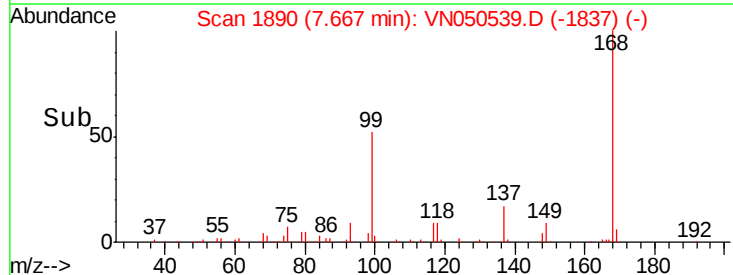
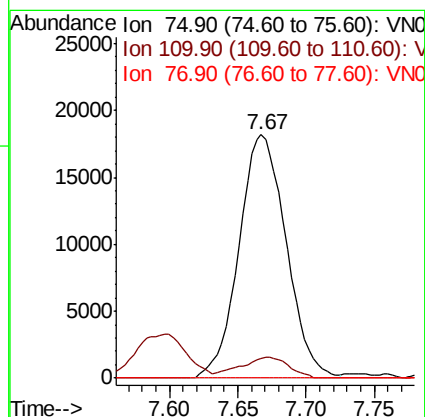
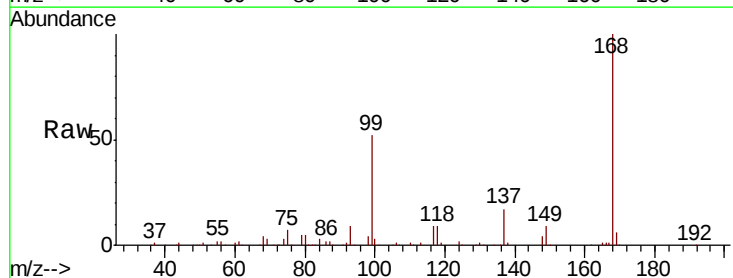
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111921ZHE#13

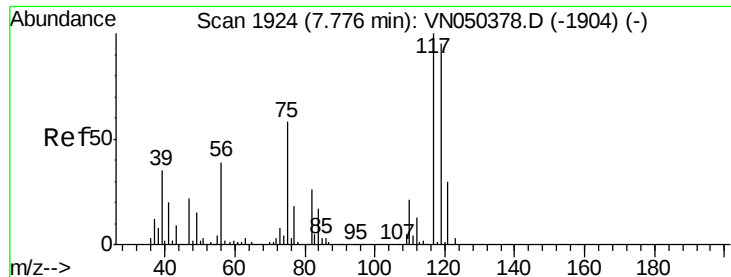
Tot Ion:113 Resp: 401598
 Ion Ratio Lower Upper
 113 100
 111 103.5 80.7 121.1
 192 22.3 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.78 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050539.D
 Acq: 11 Aug 2018 00:52

Tgt Ion: 75 Resp: 43698
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.4 55.2#
 77 0.0 25.3 37.9#

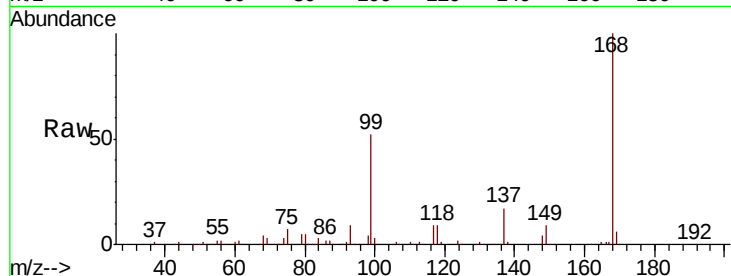




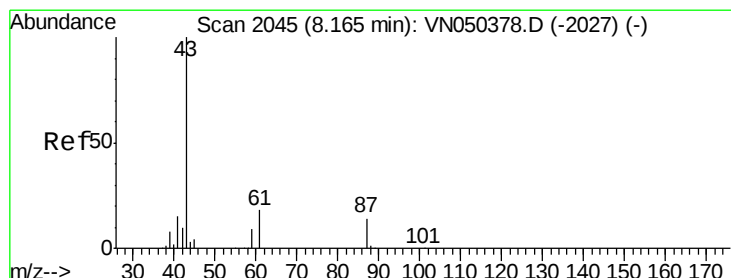
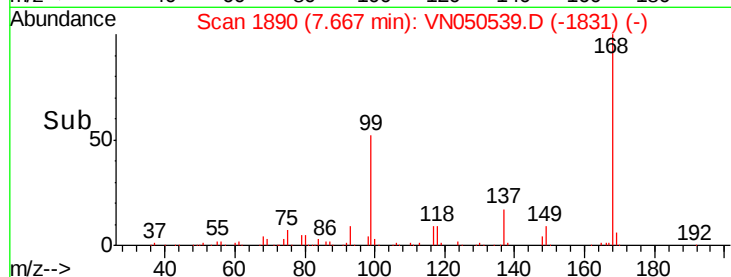
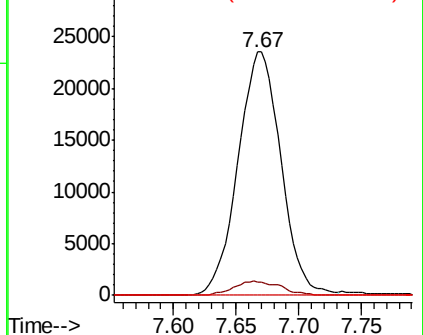
#38
Carbon Tetrachloride
Concen: 4.65 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050539.D
Acq: 11 Aug 2018 00:52

Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#13

Tot Ion:117 Resp: 56068
Ion Ratio Lower Upper
117 100
119 5.6 77.4 116.0#
121 0.0 23.9 35.9#

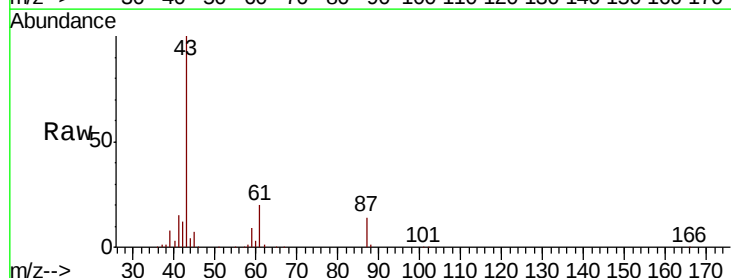


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

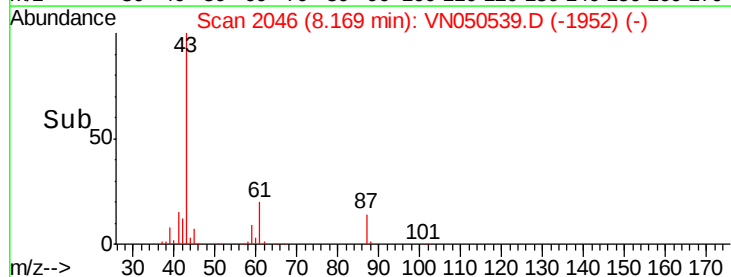
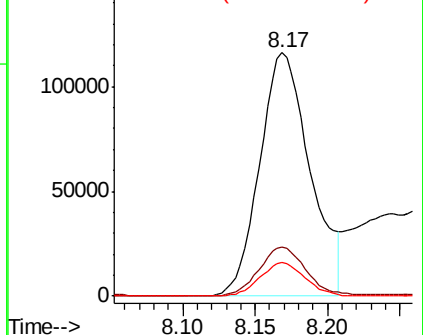


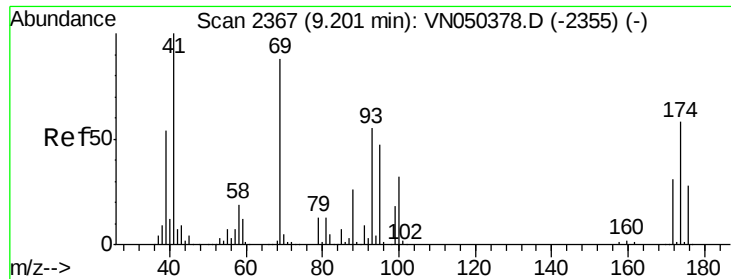
#43
Isopropyl Acetate
Concen: 19.57 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050539.D
Acq: 11 Aug 2018 00:52

Tgt Ion: 43 Resp: 281509
Ion Ratio Lower Upper
43 100
61 18.9 15.8 23.6
87 12.4 10.3 15.5



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

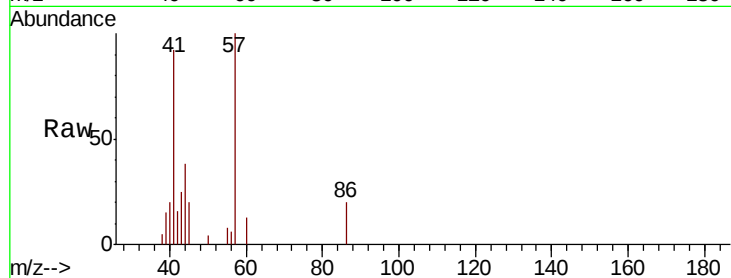




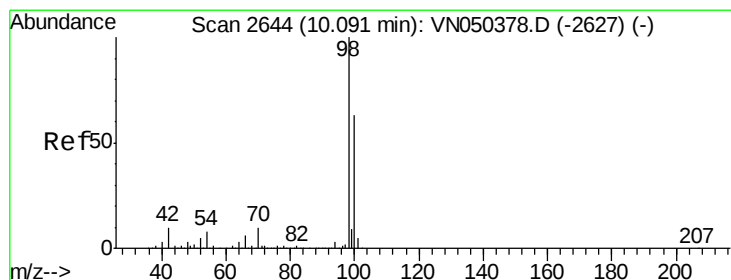
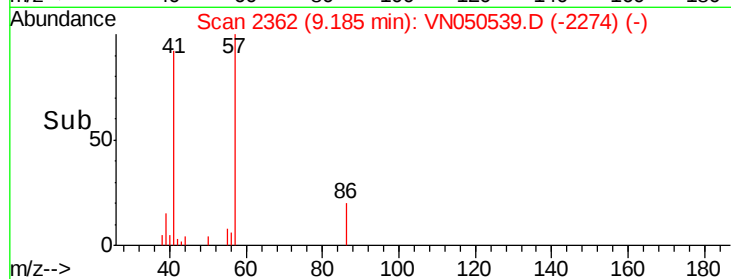
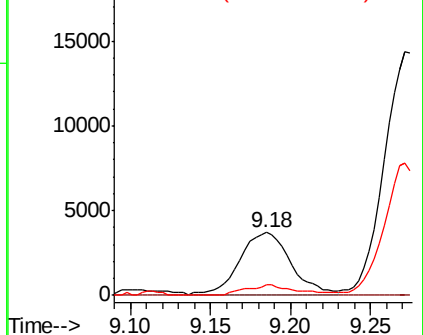
#48
Methvl methacrylate
Concen: 1.14 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. -0.02 min
Lab File: VN050539.D
Acq: 11 Aug 2018 00:52

Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#13

Tot Ion: 41 Resp: 8210
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 15.6 43.9 65.9#

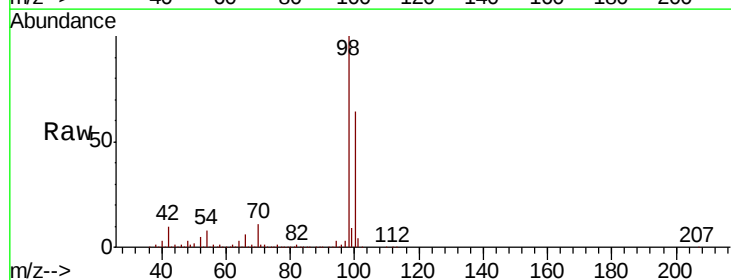


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

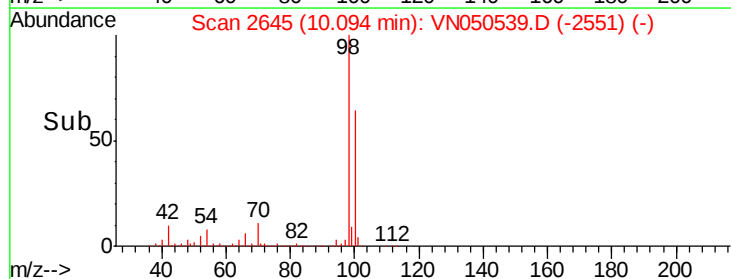
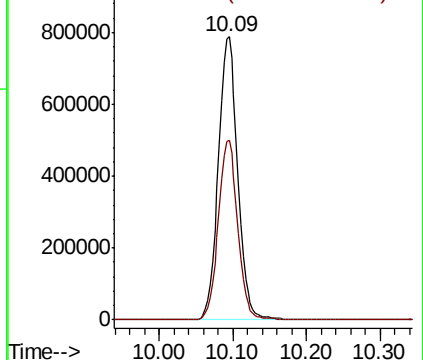


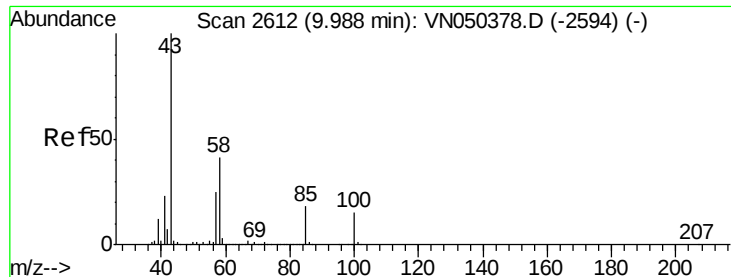
#50
Toluene-d8
Concen: 45.20 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050539.D
Acq: 11 Aug 2018 00:52

Tgt Ion: 98 Resp: 1436037
Ion Ratio Lower Upper
98 100
100 63.7 50.7 76.1



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

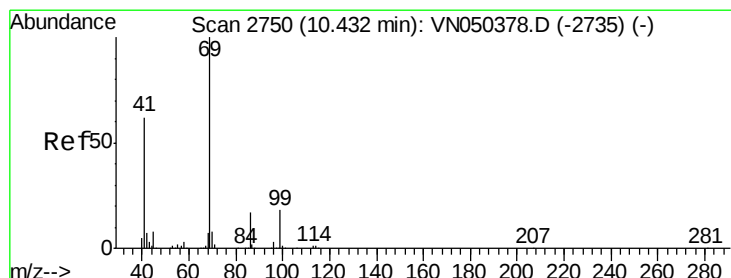
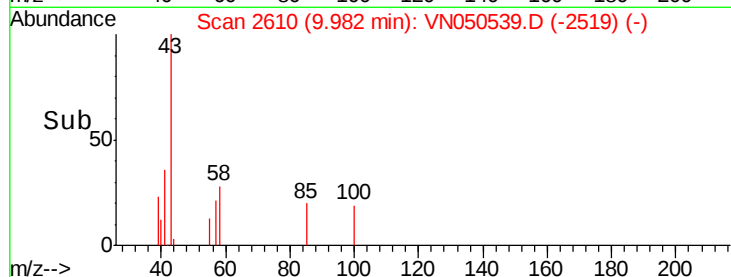
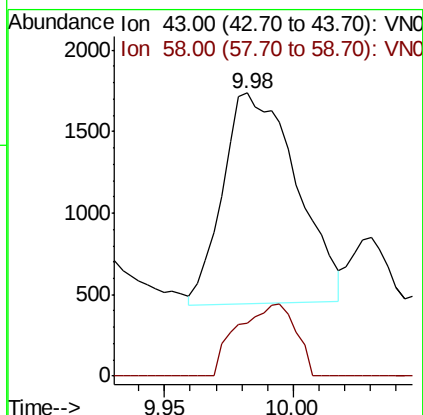
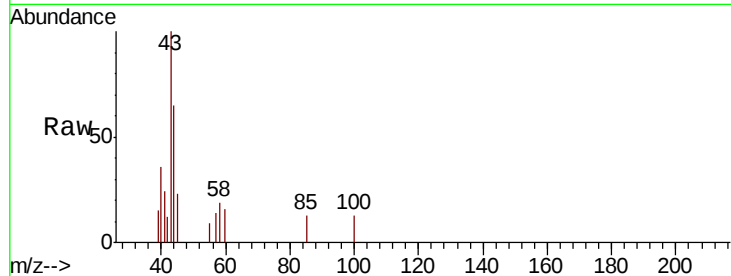




#51
4-Methyl-2-Pentanone
Concen: 0.25 ug/l
RT: 9.98 min Scan# 2610
Delta R.T. -0.01 min
Lab File: VN050539.D
Acq: 11 Aug 2018 00:52

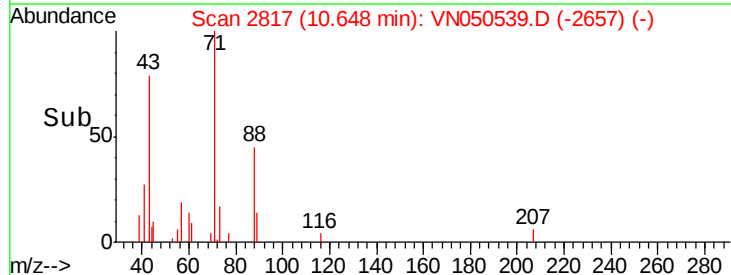
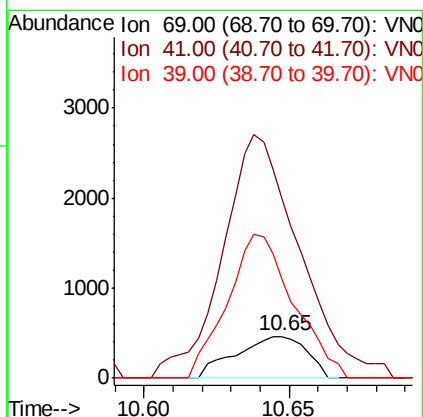
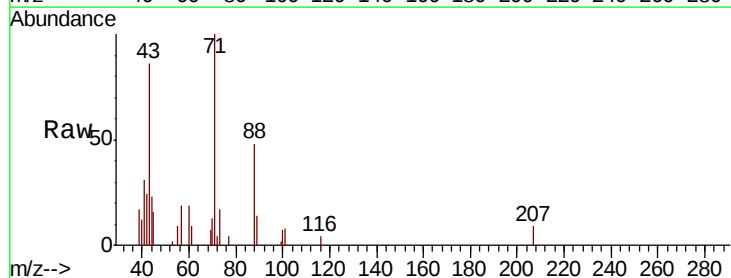
Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#13

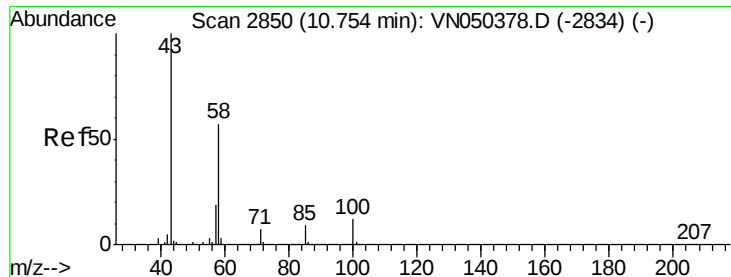
Tot Ion: 43 Resp: 2590
Ion Ratio Lower Upper
43 100
58 26.8 31.9 47.9#



#56
Ethyl methacrylate
Concen: 1.77 ug/l
RT: 10.65 min Scan# 2817
Delta R.T. 0.22 min
Lab File: VN050539.D
Acq: 11 Aug 2018 00:52

Tgt Ion: 69 Resp: 787
Ion Ratio Lower Upper
69 100
41 634.3 51.0 76.4#
39 322.1 26.6 40.0#





#59

2-Hexanone

Concen: 2.75 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050539.D

Acq: 11 Aug 2018 00:52

Instrument :

MSVOA_N

ClientSampleId :

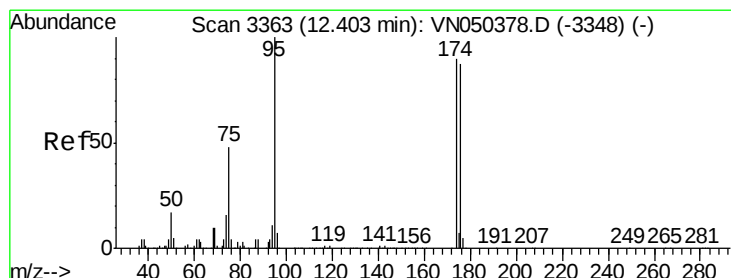
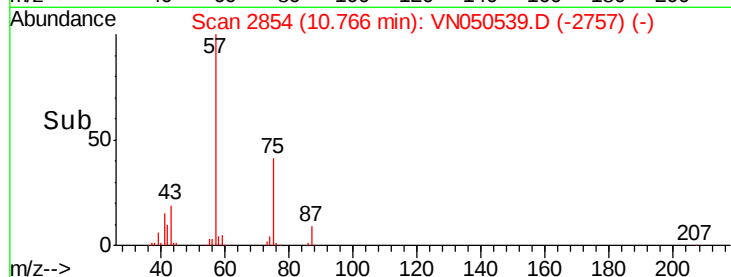
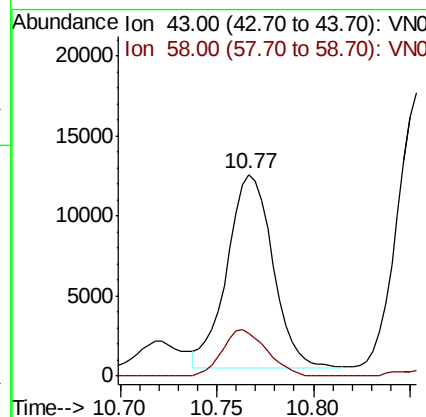
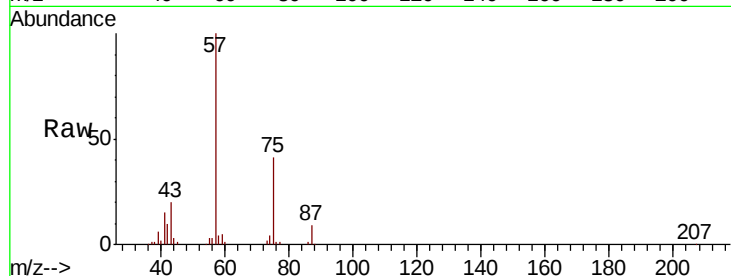
PB111921ZHE#13

Tot Ion: 43 Resp: 19873

Ion Ratio Lower Upper

43 100

58 23.5 27.6 82.7#



#62

4-Bromofluorobenzene

Concen: 37.13 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN050539.D

Acq: 11 Aug 2018 00:52

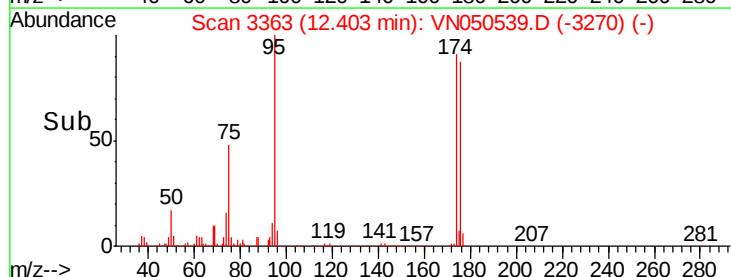
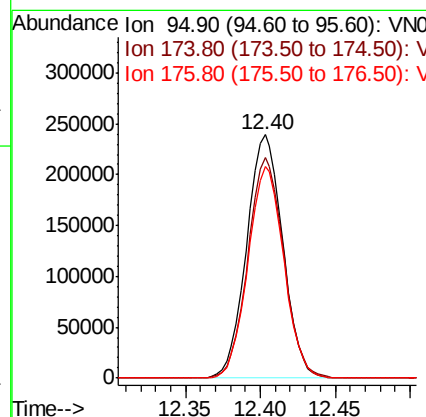
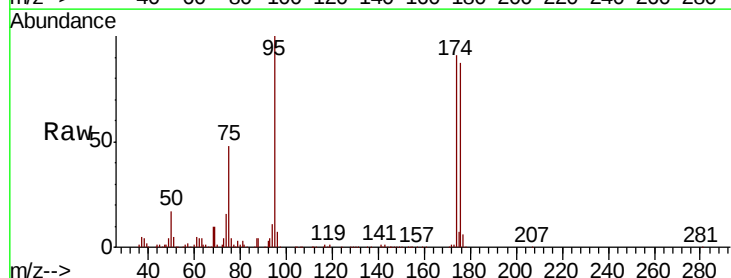
Tgt Ion: 95 Resp: 402035

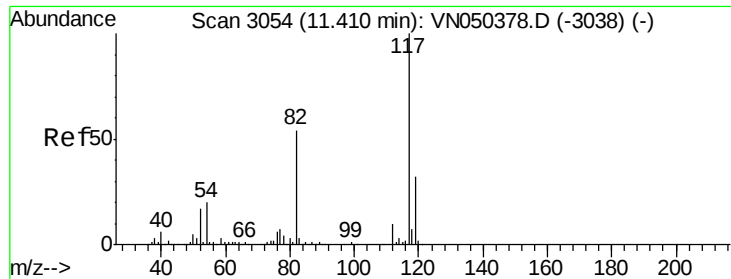
Ion Ratio Lower Upper

95 100

174 90.3 0.0 178.2

176 86.2 0.0 173.4

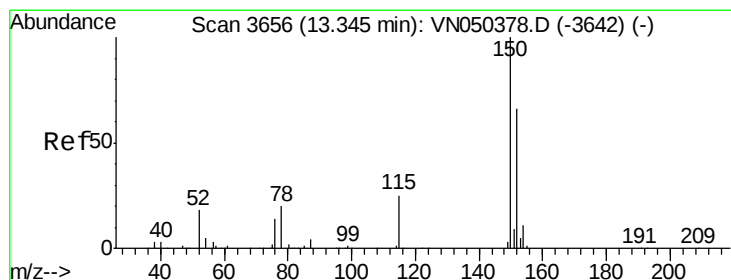
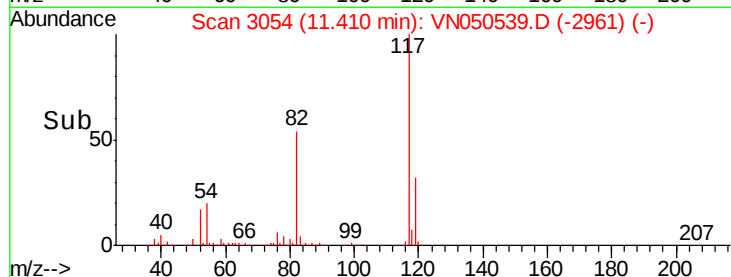
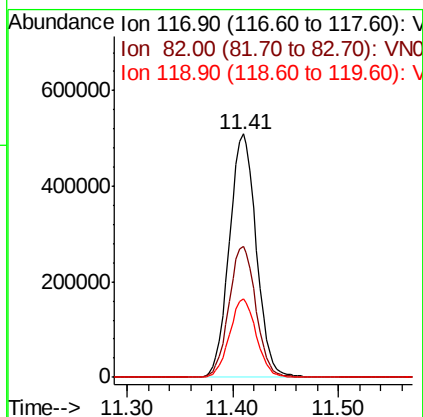
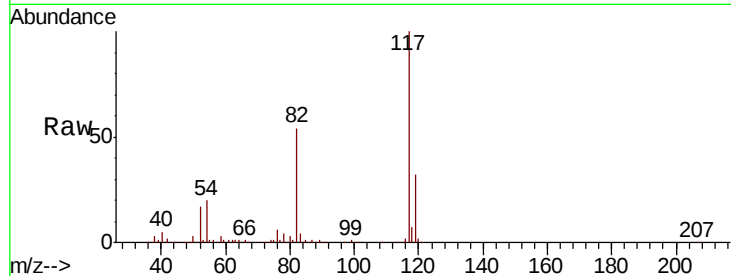




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050539.D
Acq: 11 Aug 2018 00:52

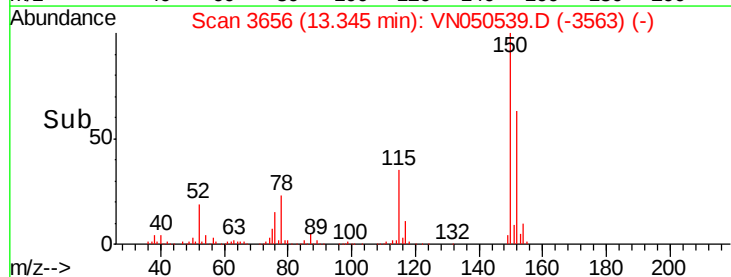
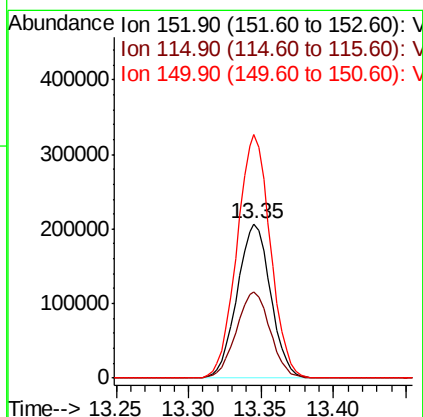
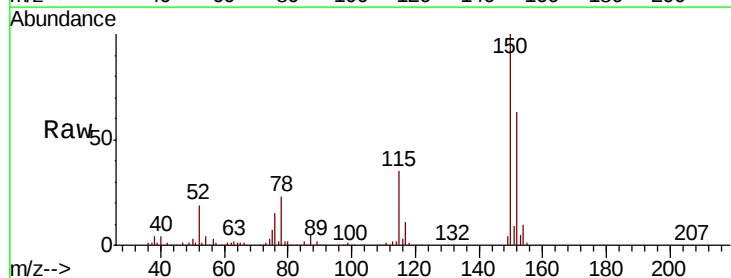
Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#13

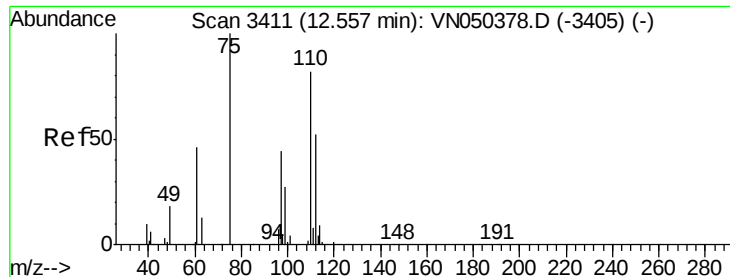
Tot Ion:117 Resp: 900709
Ion Ratio Lower Upper
117 100
82 54.0 43.7 65.5
119 32.2 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN050539.D
Acq: 11 Aug 2018 00:52

Tgt Ion:152 Resp: 332041
Ion Ratio Lower Upper
152 100
115 56.5 27.8 83.3
150 157.3 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 31.71 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050539.D

Acq: 11 Aug 2018 00:52

Instrument :

MSVOA_N

ClientSampleId :

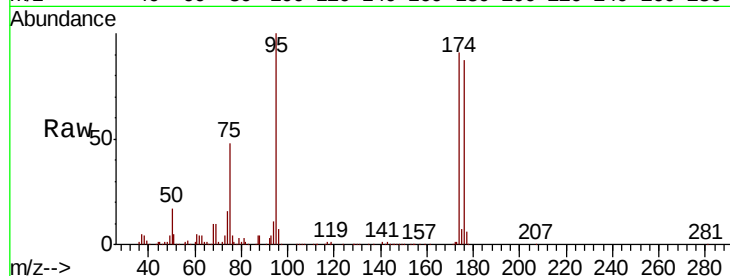
PB111921ZHE#13

Tot Ion: 75 Resp: 190575

Ion Ratio Lower Upper

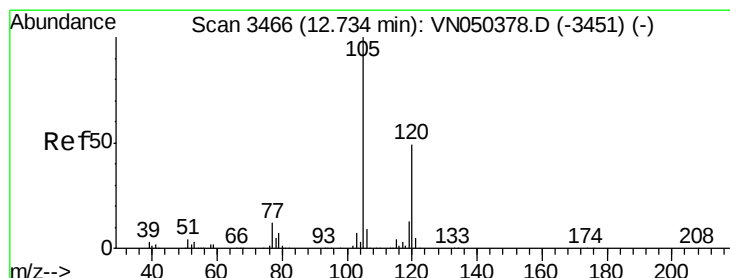
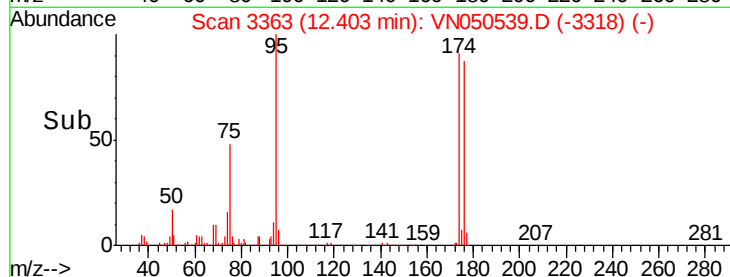
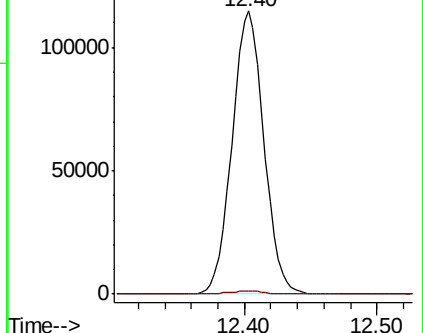
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN050539.D (-3363) (-)

Ion 77.00 (76.70 to 77.70): VN050539.D (-3363) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.24 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN050539.D

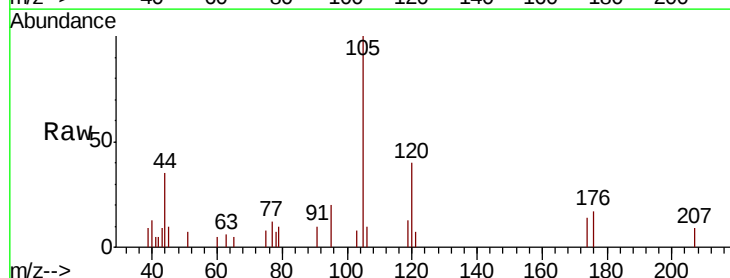
Acq: 11 Aug 2018 00:52

Tgt Ion: 105 Resp: 4956

Ion Ratio Lower Upper

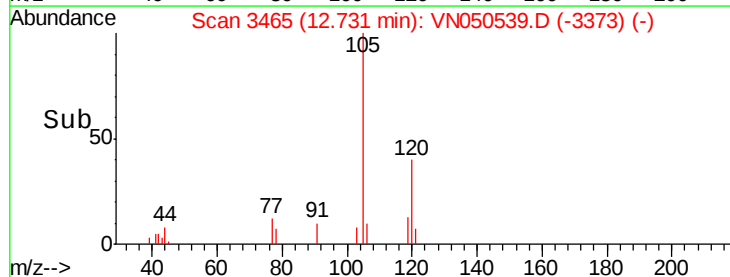
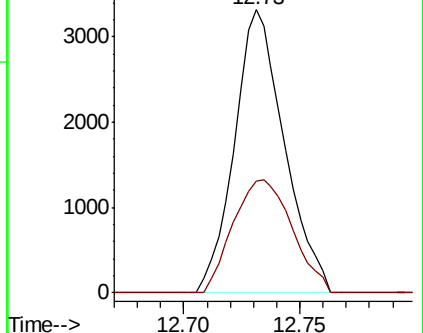
105 100

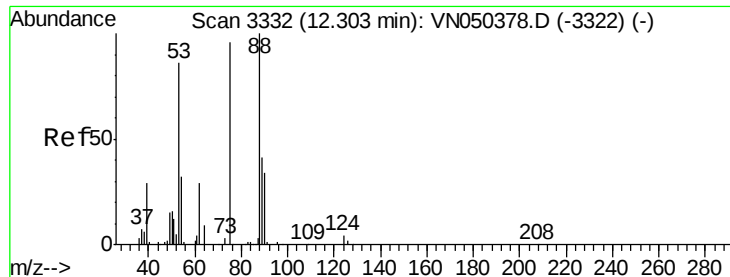
120 47.3 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050539.D (-3466) (-)

Ion 120.00 (119.70 to 120.70): VN050539.D (-3466) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 111.41 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050539.D

Acq: 11 Aug 2018 00:52

Instrument :

MSVOA_N

ClientSampleId :

PB111921ZHE#13

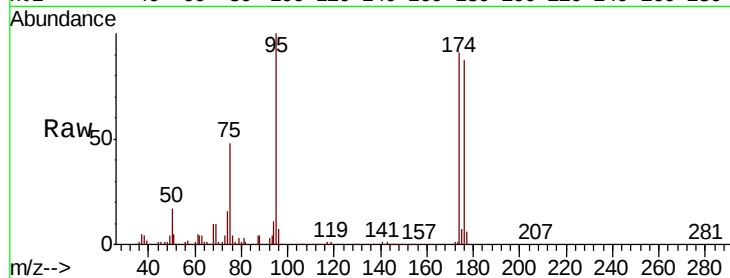
Tot Ion: 75 Resp: 190575

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

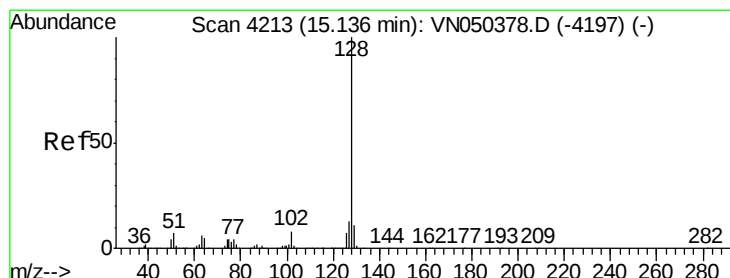
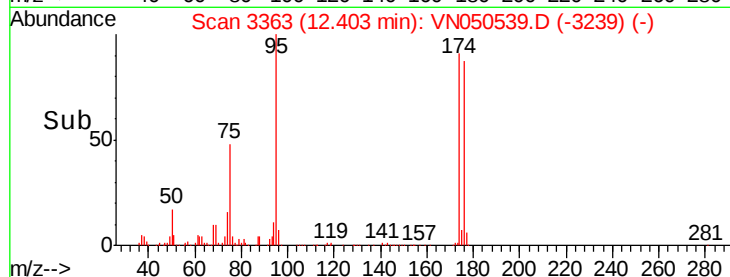
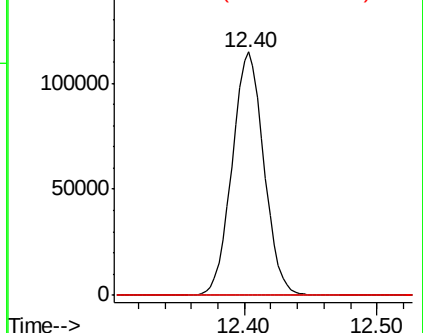
89 0.0 36.0 54.0#



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



#95

Naphthalene

Concen: 3.65 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN050539.D

Acq: 11 Aug 2018 00:52

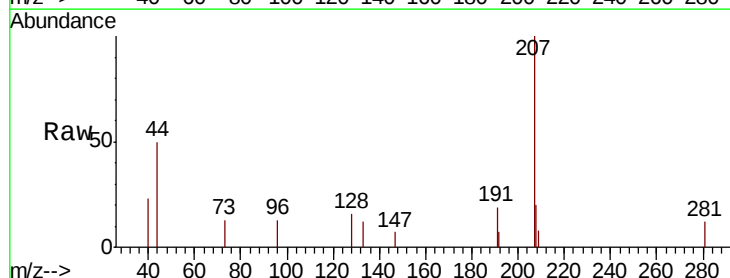
Tgt Ion: 128 Resp: 529

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 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

