

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050525.D
 Acq On : 10 Aug 2018 18:16
 Operator : MD\SY
 Sample : PB111921ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111921ZHE#04

Quant Time: Aug 10 23:18:36 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	653169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1099355	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	964076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	385513	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	458916	52.59	ug/l	0.00
Spiked Amount			Recovery	=	105.18%	
35) Dibromofluoromethane	7.59	113	419702	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
50) Toluene-d8	10.09	98	1494570	45.06	ug/l	0.00
Spiked Amount			Recovery	=	90.12%	
62) 4-Bromofluorobenzene	12.40	95	444934	39.36	ug/l	0.00
Spiked Amount			Recovery	=	78.72%	

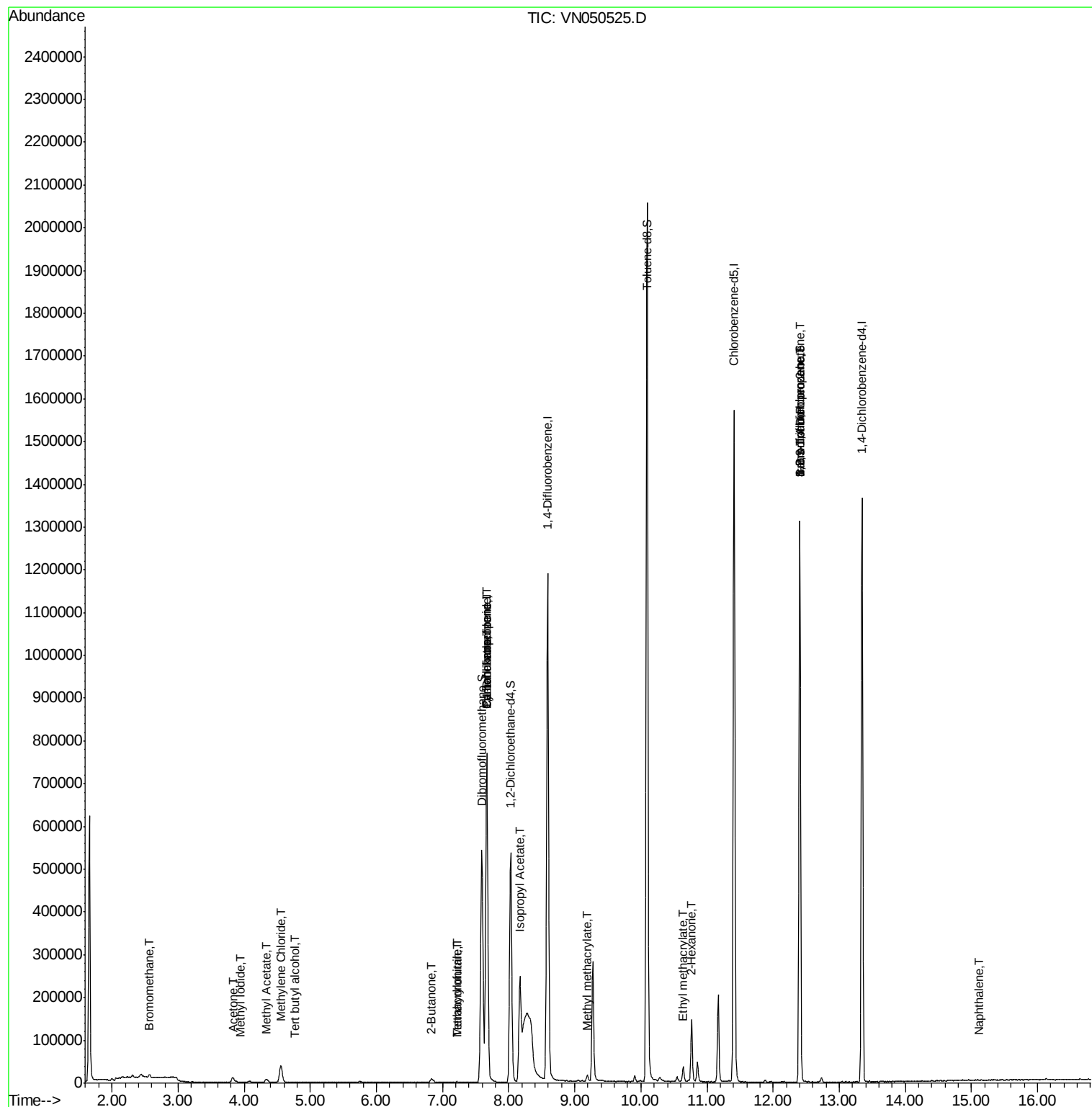
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3227	Below Cal		91
5) Bromomethane	2.57	94	3978	1.04	ug/l	92
10) Methyl Iodide	3.95	142	1079	0.33	ug/l #	89
11) Tert butyl alcohol	4.76	59	194	0.28	ug/l #	72
16) Acetone	3.83	43	20726	7.61	ug/l	96
18) Methyl Acetate	4.34	43	15235	2.07	ug/l	95
20) Methylene Chloride	4.55	84	30058	2.30	ug/l	97
25) 2-Butanone	6.84	43	4369	1.01	ug/l #	87
29) Tetrahydrofuran	7.22	42	1741	0.75	ug/l #	58
31) Cyclohexane	7.67	56	11754	0.31	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	46201	3.82	ug/l #	48
38) Carbon Tetrachloride	7.67	117	57789	4.59	ug/l #	16
41) Methacrylonitrile	7.23	41	926	0.20	ug/l #	28
43) Isopropyl Acetate	8.17	43	313626	20.89	ug/l	96
48) Methyl methacrylate	9.18	41	8690	1.15	ug/l #	20
56) Ethyl methacrylate	10.64	69	689	1.76	ug/l #	1
59) 2-Hexanone	10.77	43	19499	2.58	ug/l #	59
71) Bromoform	12.40	173	2928	0.46	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	211336	30.29	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	211336	106.41	ug/l #	13
95) Naphthalene	15.13	128	176	3.63	ug/l #	69

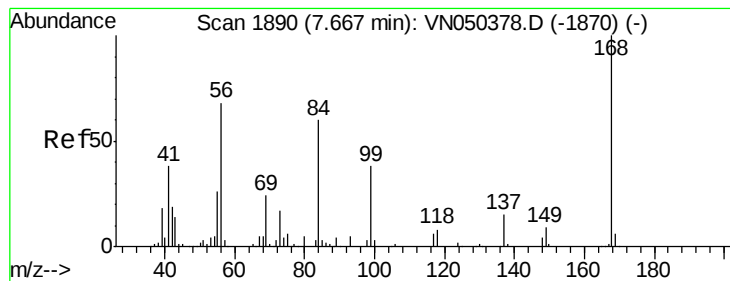
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN050525.D

Acq: 10 Aug 2018 18:16

Instrument :

MSVOA_N

ClientSampleId :

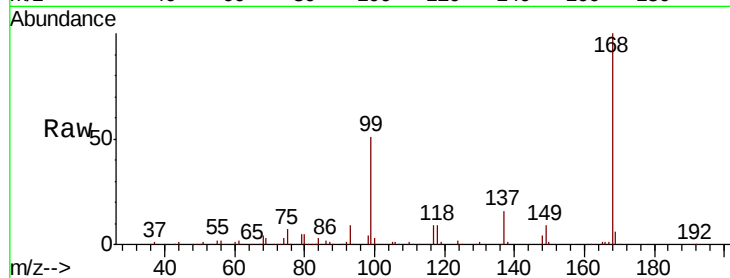
PB111921ZHE#04

Tot Ion:168 Resp: 653169

Ion Ratio Lower Upper

168 100

99 51.2 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

250000

200000

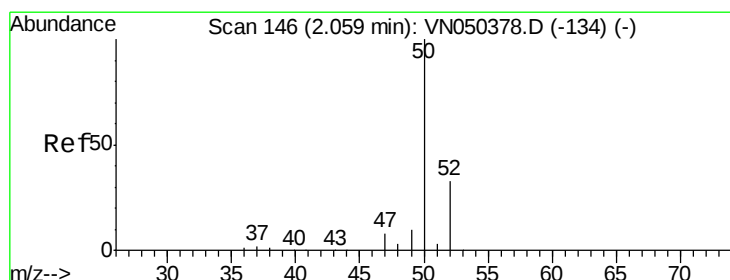
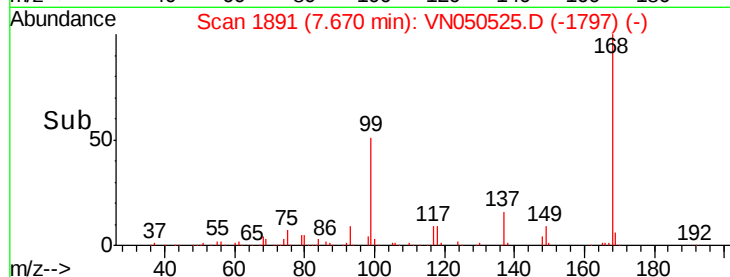
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050525.D

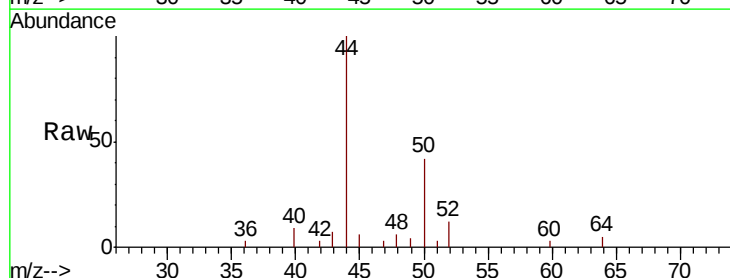
Acq: 10 Aug 2018 18:16

Tgt Ion: 50 Resp: 3227

Ion Ratio Lower Upper

50 100

52 27.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

3000

2500

2000

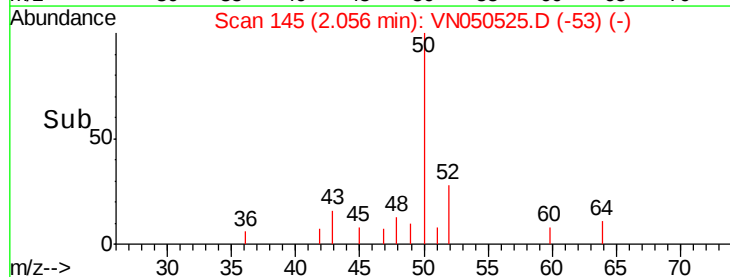
1500

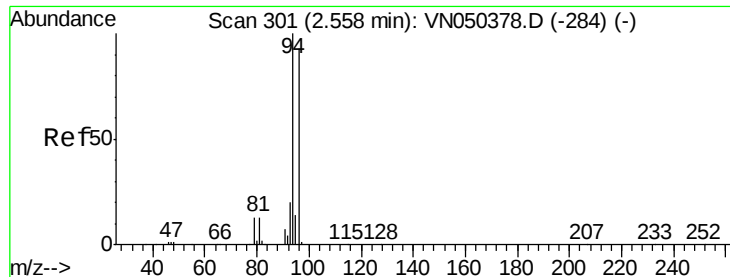
1000

500

0

Time-->





#5

Bromomethane

Concen: 1.04 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050525.D

Acq: 10 Aug 2018 18:16

Instrument :

MSVOA_N

ClientSampleId :

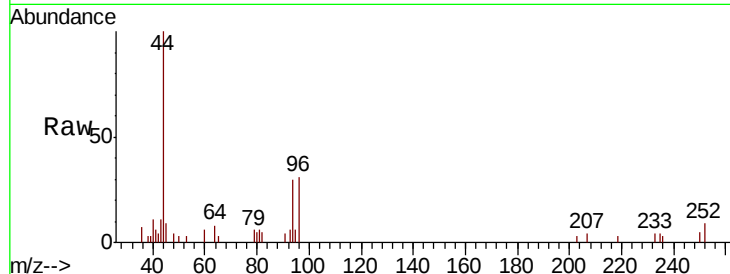
PB111921ZHE#04

Tot Ion: 94 Resp: 3978

Ion Ratio Lower Upper

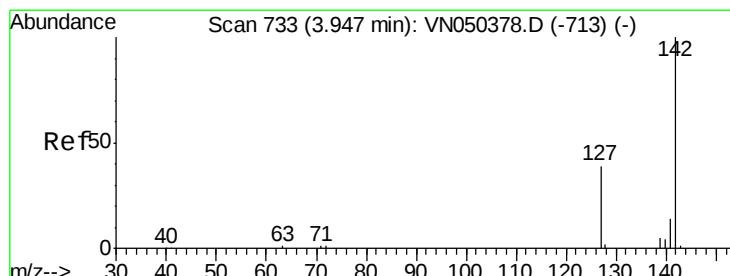
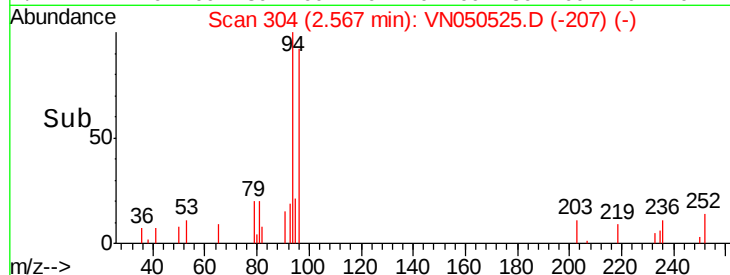
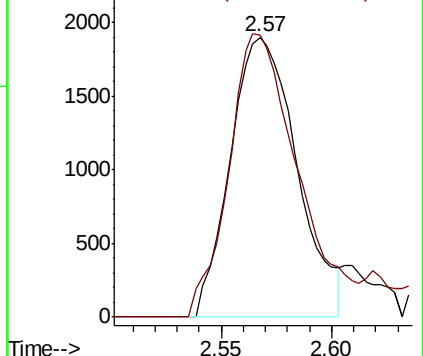
94 100

96 100.8 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#10

Methyl Iodide

Concen: 0.33 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050525.D

Acq: 10 Aug 2018 18:16

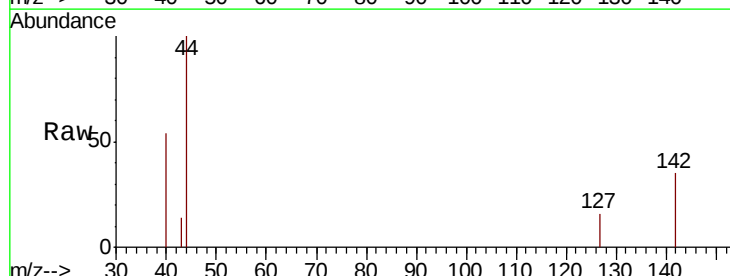
Tgt Ion: 142 Resp: 1079

Ion Ratio Lower Upper

142 100

127 40.0 33.4 50.2

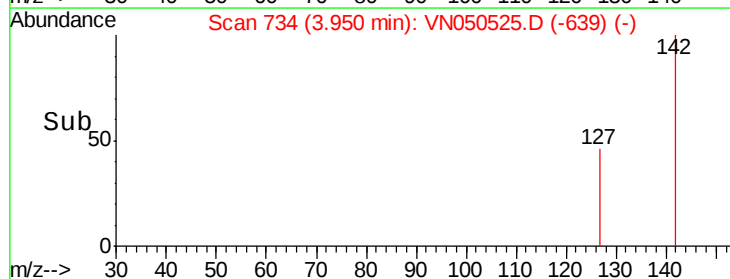
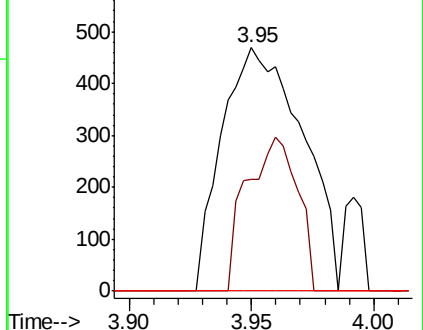
141 0.0 11.6 17.4#

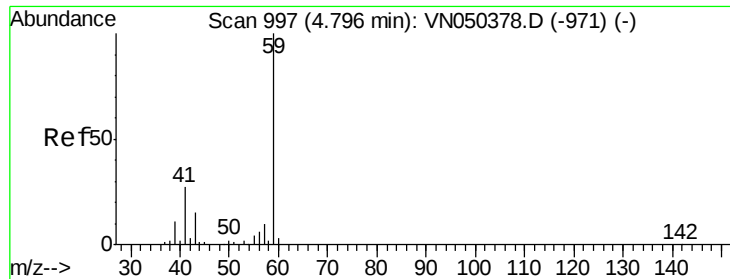


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



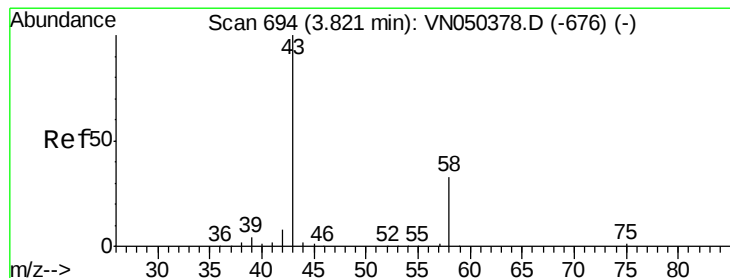
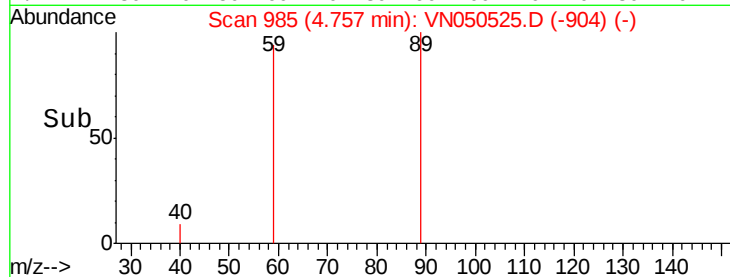
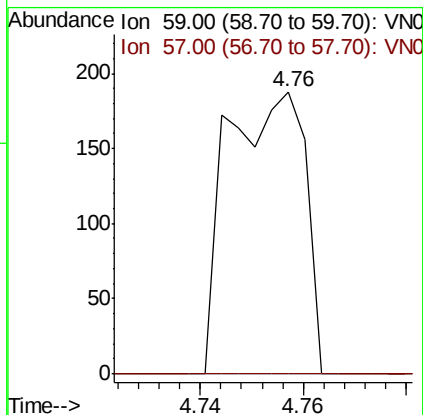
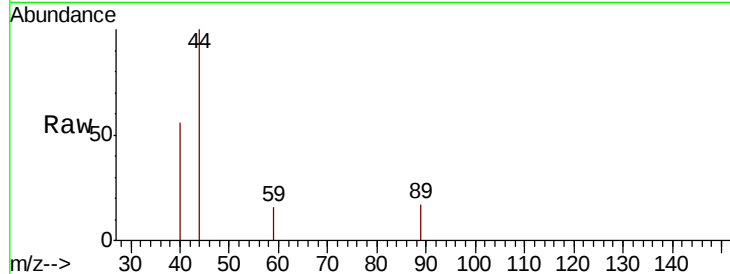


#11

Tert butyl alcohol
 Concen: 0.28 ug/l
 RT: 4.76 min Scan# 985
 Delta R.T. -0.04 min
 Lab File: VN050525.D
 Acq: 10 Aug 2018 18:16

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111921ZHE#04

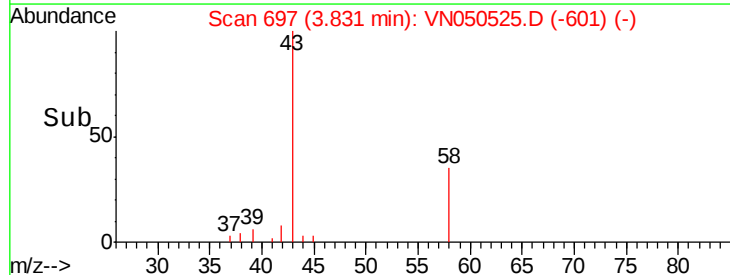
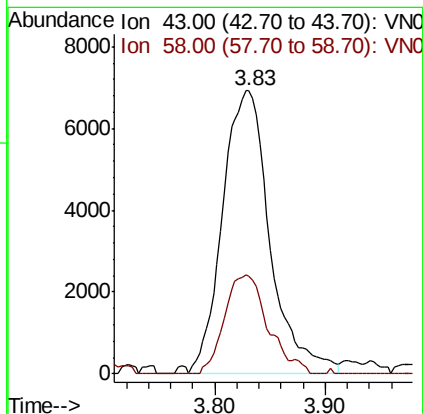
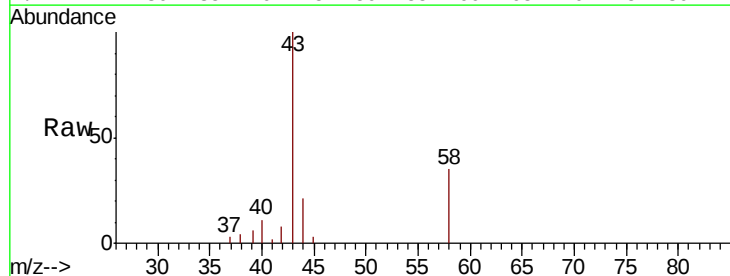
Tot Ion: 59 Resp: 194
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

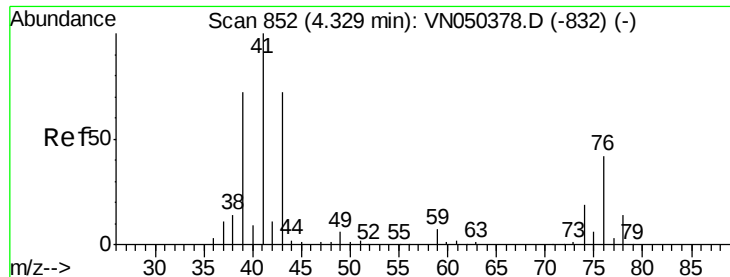


#16

Acetone
 Concen: 7.61 ug/l
 RT: 3.83 min Scan# 697
 Delta R.T. 0.01 min
 Lab File: VN050525.D
 Acq: 10 Aug 2018 18:16

Tgt Ion: 43 Resp: 20726
 Ion Ratio Lower Upper
 43 100
 58 34.6 25.8 38.8

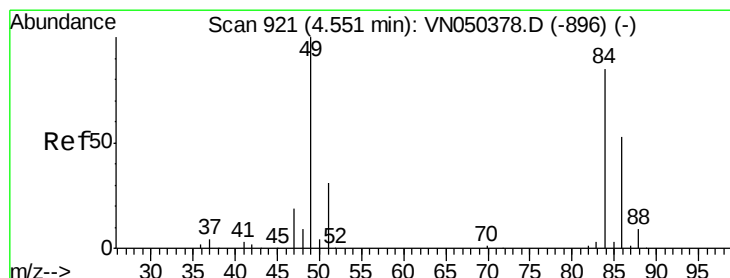
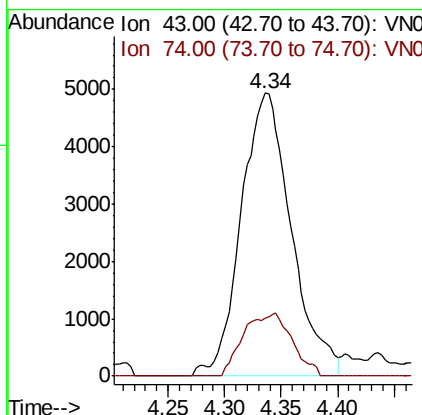
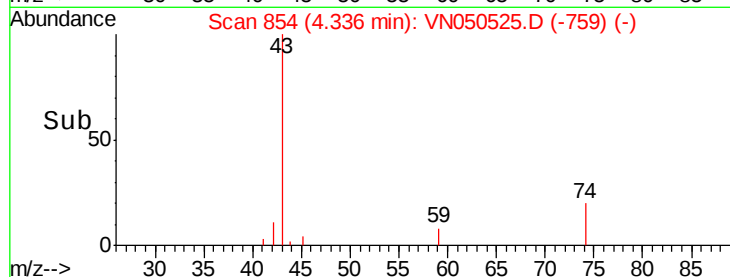
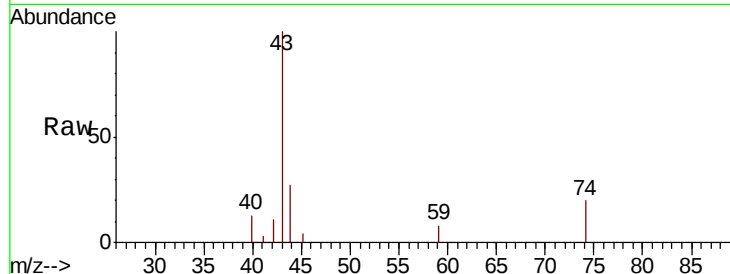




#18
Methyl Acetate
Concen: 2.07 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN050525.D
Acq: 10 Aug 2018 18:16

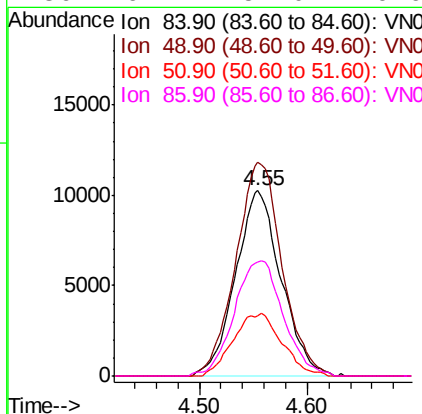
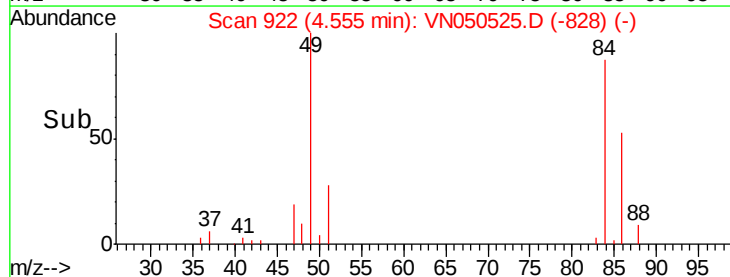
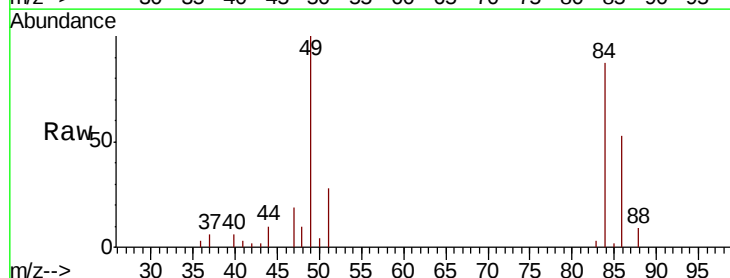
Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#04

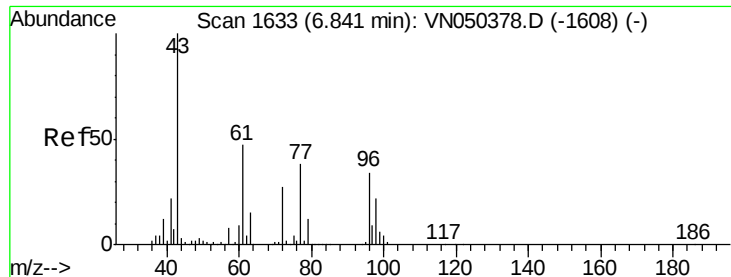
Tot Ion: 43 Resp: 15235
Ion Ratio Lower Upper
43 100
74 21.5 19.2 28.8



#20
Methylene Chloride
Concen: 2.30 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050525.D
Acq: 10 Aug 2018 18:16

Tgt Ion: 84 Resp: 30058
Ion Ratio Lower Upper
84 100
49 115.3 94.8 142.2
51 32.4 28.3 42.5
86 61.4 51.0 76.6





#25

2-Butanone

Concen: 1.01 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050525.D

Acq: 10 Aug 2018 18:16

Instrument :

MSVOA_N

ClientSampleId :

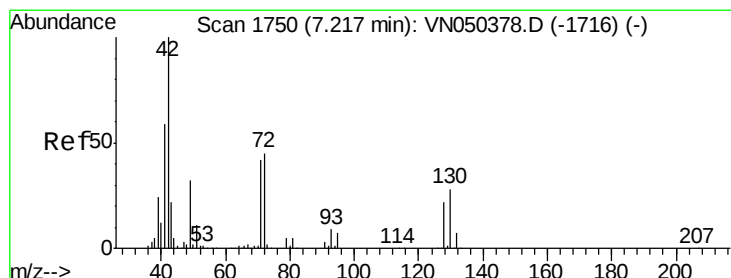
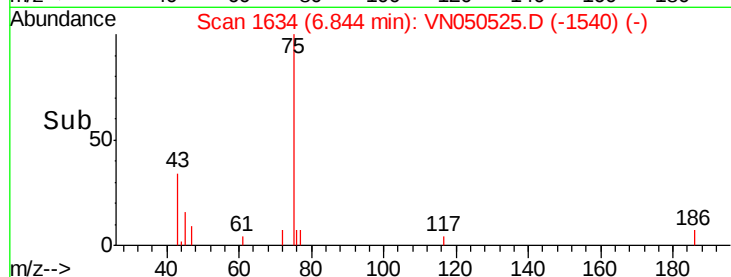
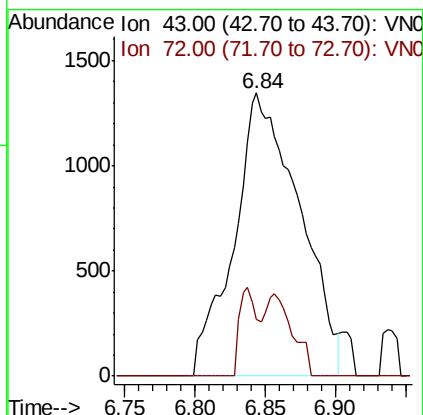
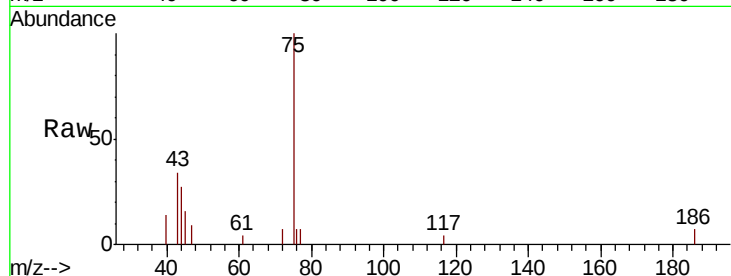
PB111921ZHE#04

Tot Ion: 43 Resp: 4369

Ion Ratio Lower Upper

43 100

72 20.1 21.5 32.3#



#29

Tetrahydrofuran

Concen: 0.75 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VN050525.D

Acq: 10 Aug 2018 18:16

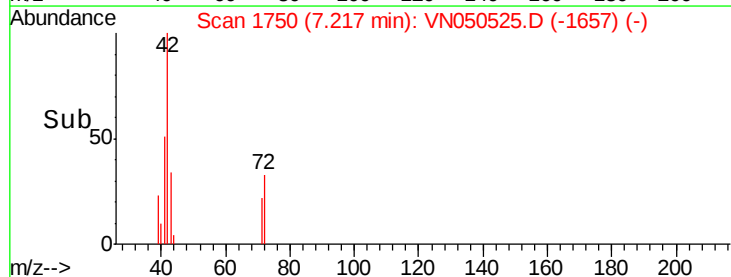
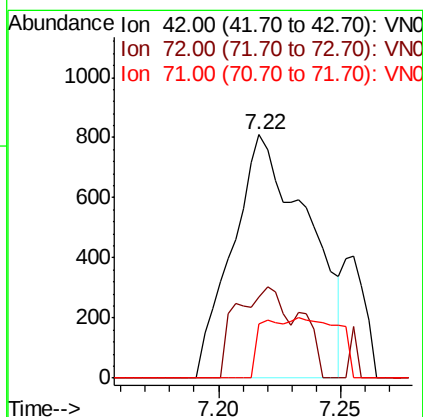
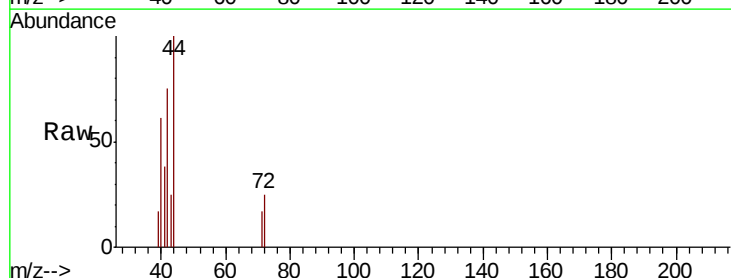
Tgt Ion: 42 Resp: 1741

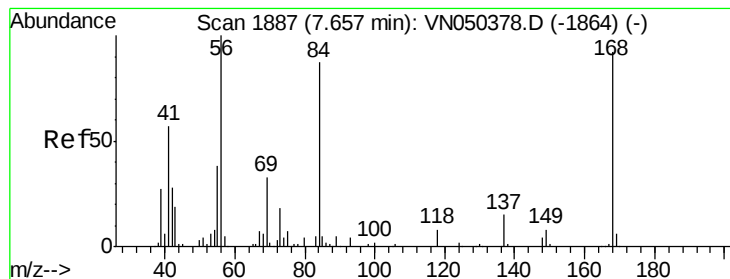
Ion Ratio Lower Upper

42 100

72 24.2 35.9 53.9#

71 8.2 33.7 50.5#





#31

Cyclohexane

Concen: 0.31 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050525.D

Acq: 10 Aug 2018 18:16

Instrument :

MSVOA_N

ClientSampleId :

PB111921ZHE#04

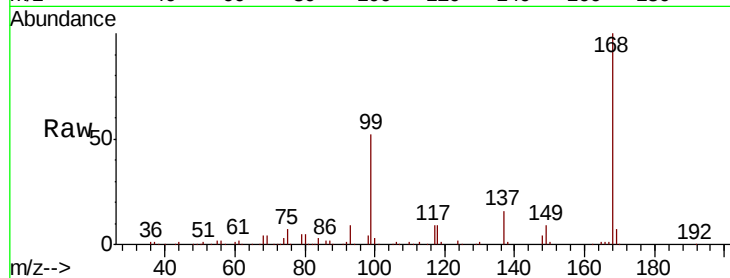
Tot Ion: 56 Resp: 11754

Ion Ratio Lower Upper

56 100

69 197.8 26.2 39.4#

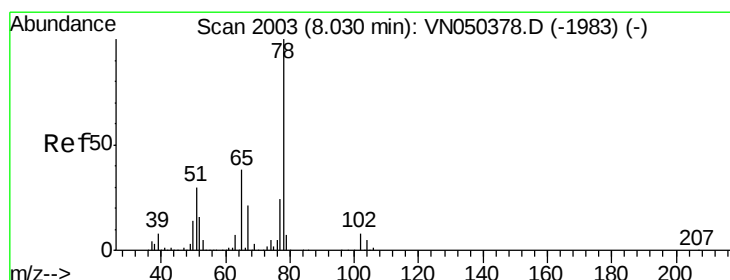
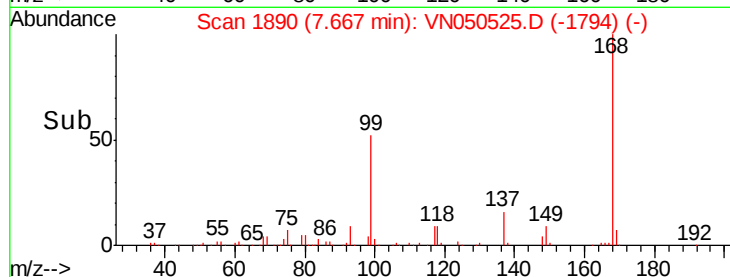
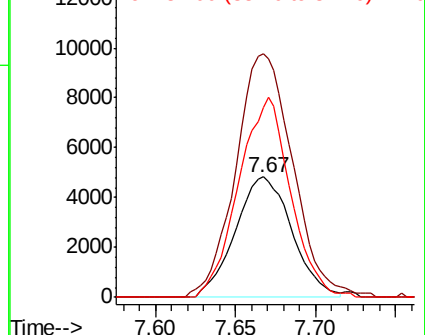
84 157.5 67.4 101.0#



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: 52.59 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050525.D

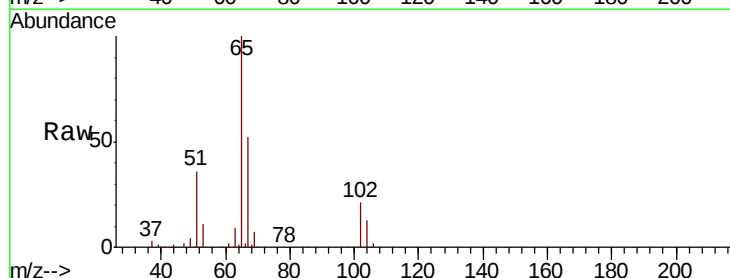
Acq: 10 Aug 2018 18:16

Tgt Ion: 65 Resp: 458916

Ion Ratio Lower Upper

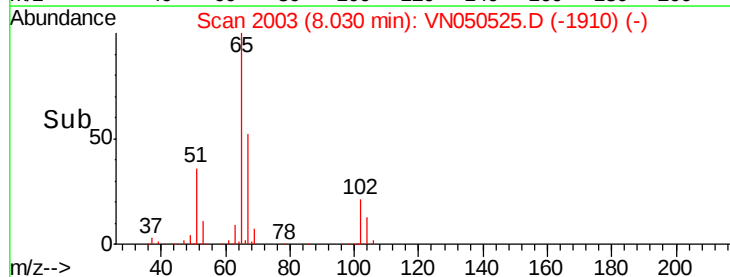
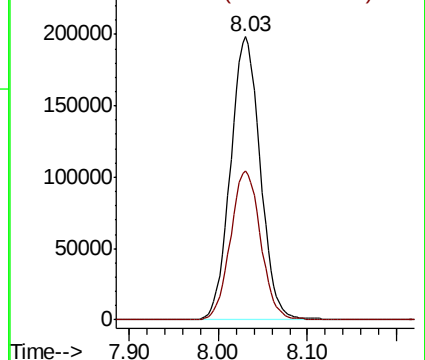
65 100

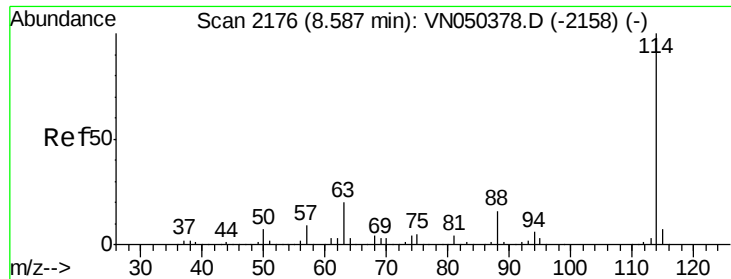
67 53.4 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

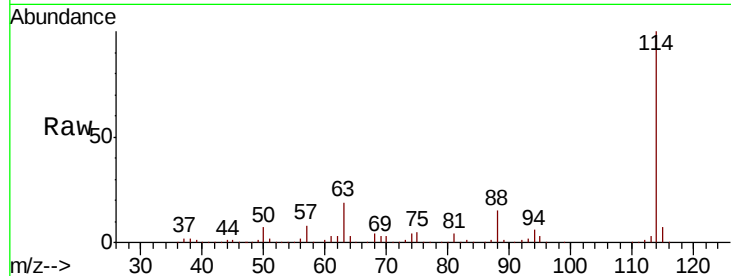




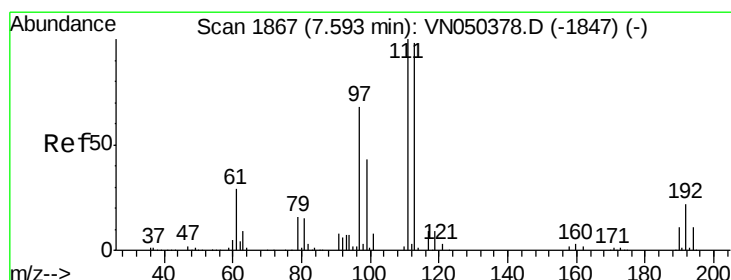
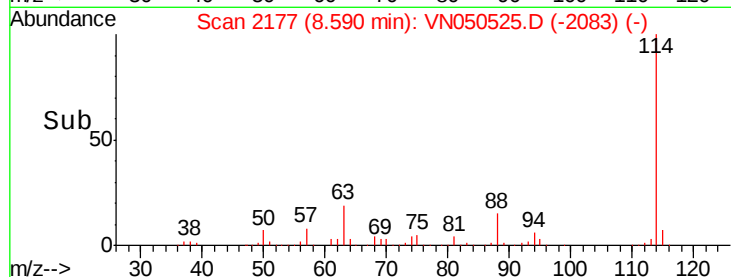
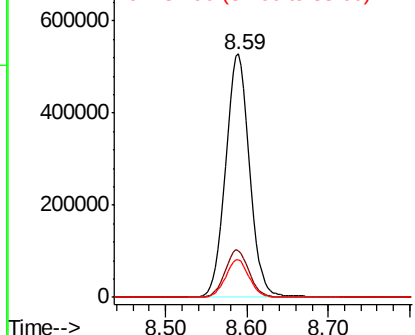
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050525.D
 Acq: 10 Aug 2018 18:16

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111921ZHE#04

Tot Ion:114 Resp: 1099355
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 15.5 0.0 31.2

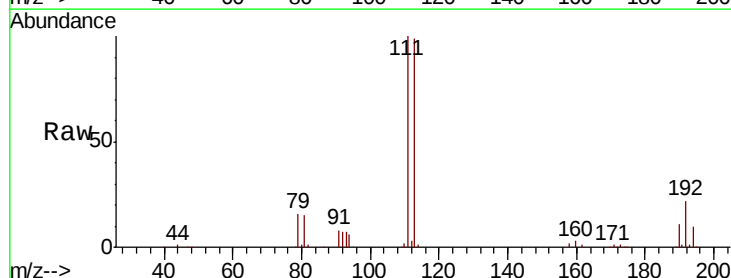


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

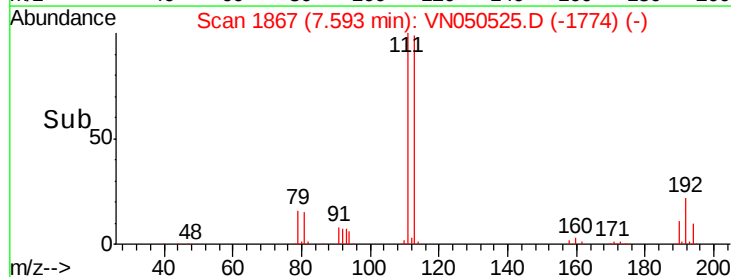
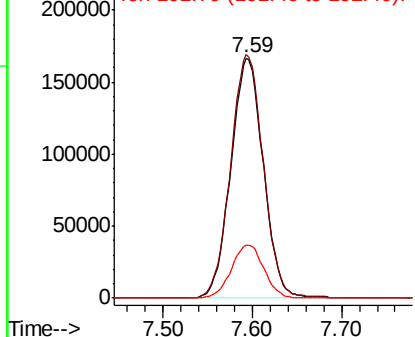


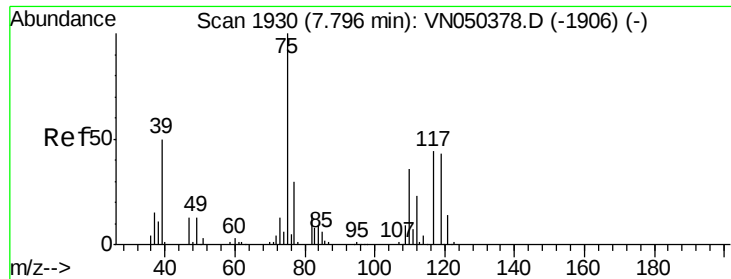
#35
 Dibromofluoromethane
 Concen: 47.58 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050525.D
 Acq: 10 Aug 2018 18:16

Tgt Ion:113 Resp: 419702
 Ion Ratio Lower Upper
 113 100
 111 102.4 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

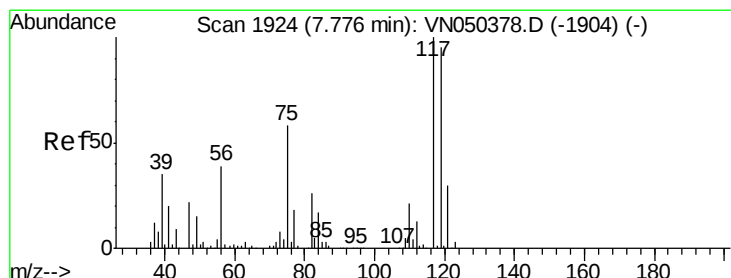
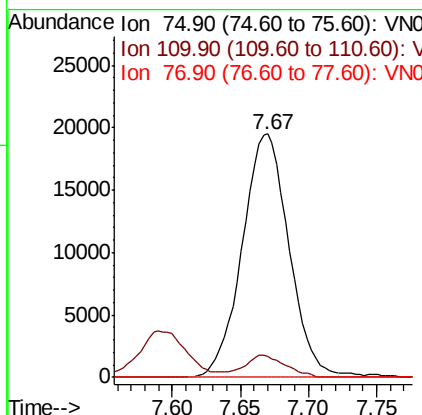
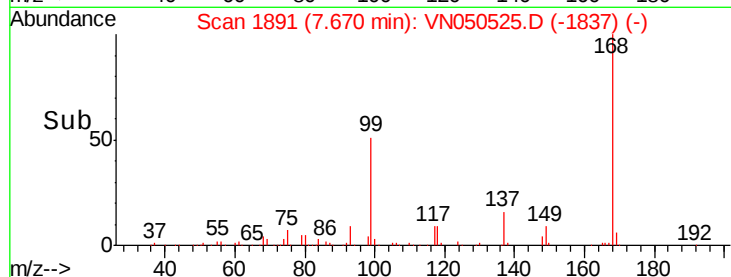
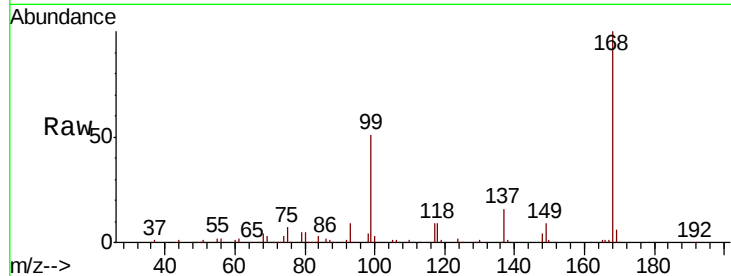




#36
 1,1-Dichloropropene
 Concen: 3.82 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050525.D
 Acq: 10 Aug 2018 18:16

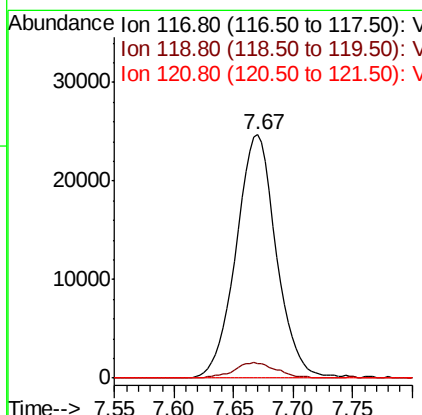
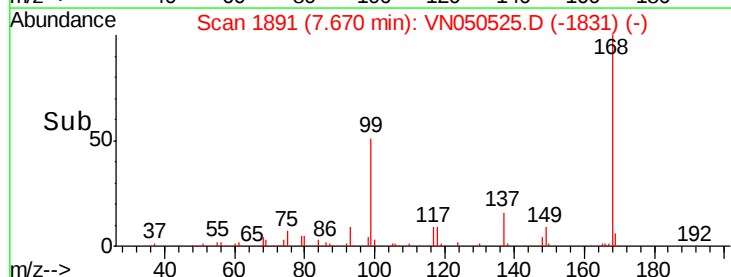
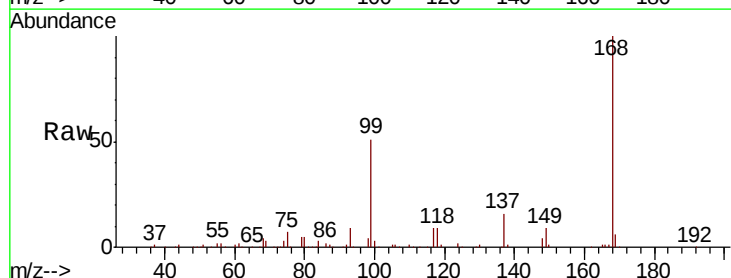
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111921ZHE#04

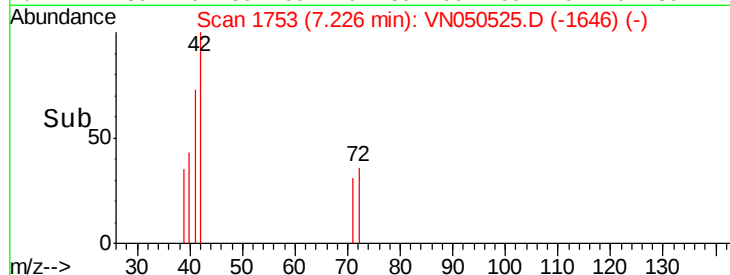
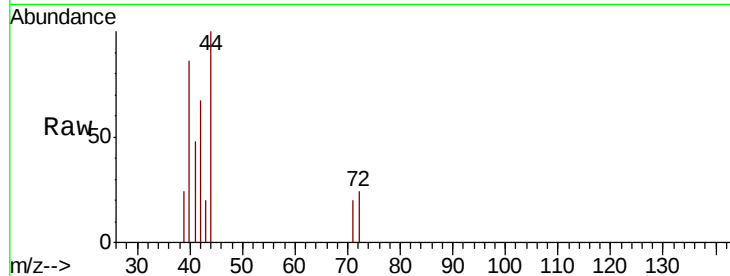
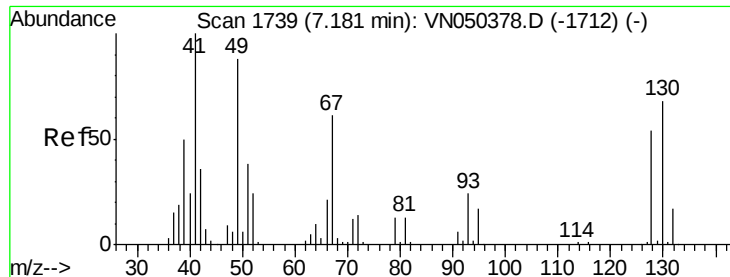
Tot Ion: 75 Resp: 46201
 Ion Ratio Lower Upper
 75 100
 110 8.1 18.4 55.2#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 4.59 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.11 min
 Lab File: VN050525.D
 Acq: 10 Aug 2018 18:16

Tgt Ion: 117 Resp: 57789
 Ion Ratio Lower Upper
 117 100
 119 6.1 77.4 116.0#
 121 0.0 23.9 35.9#

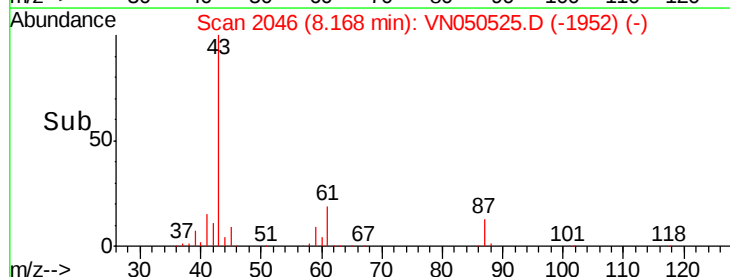
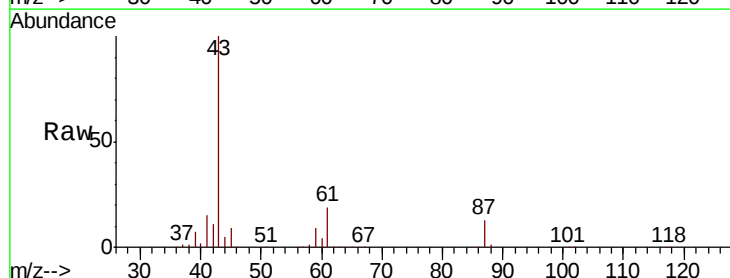
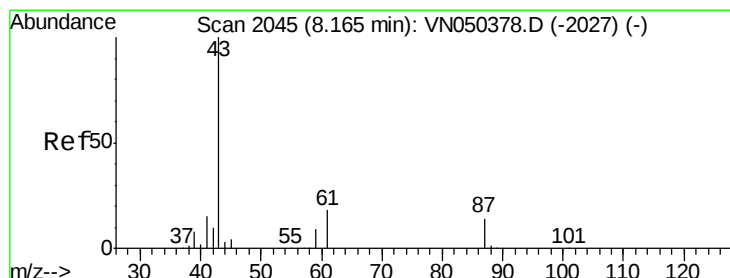
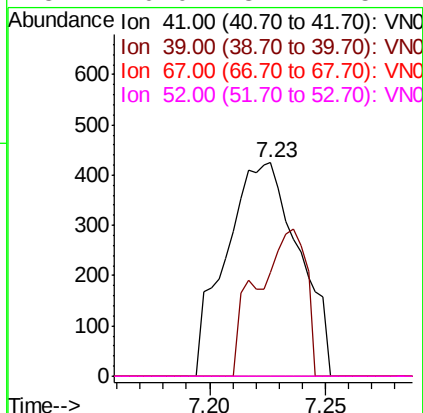




#41
Methacrylonitrile
Concen: 0.20 ug/l
RT: 7.23 min Scan# 1753
Delta R.T. 0.04 min
Lab File: VN050525.D
Acq: 10 Aug 2018 18:16

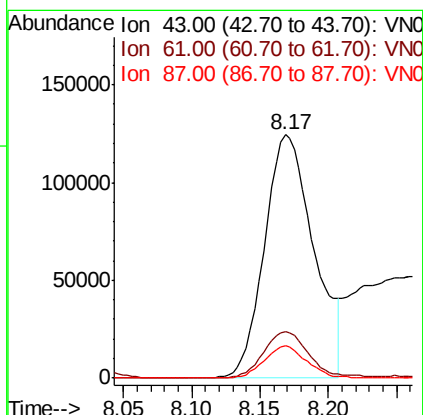
Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#04

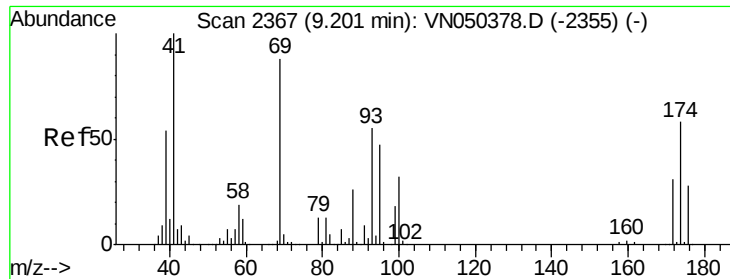
Tot Ion: 41 Resp: 926
Ion Ratio Lower Upper
41 100
39 45.9 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



#43
Isopropyl Acetate
Concen: 20.89 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050525.D
Acq: 10 Aug 2018 18:16

Tgt Ion: 43 Resp: 313626
Ion Ratio Lower Upper
43 100
61 17.6 15.8 23.6
87 11.4 10.3 15.5

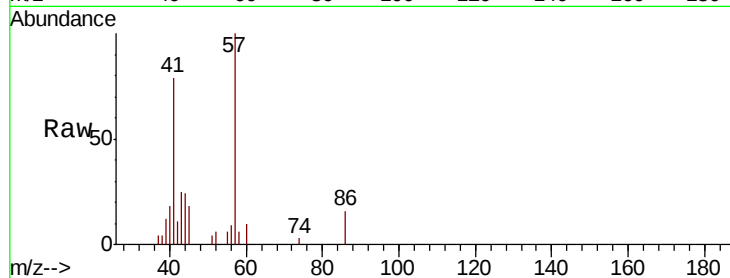




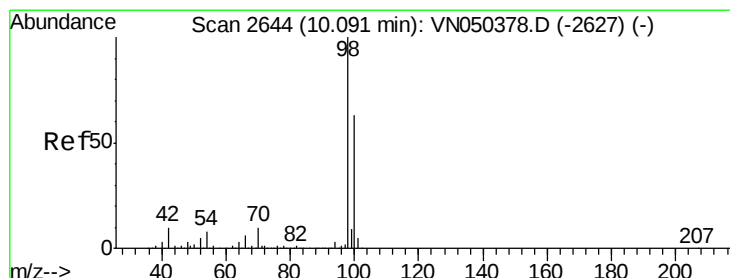
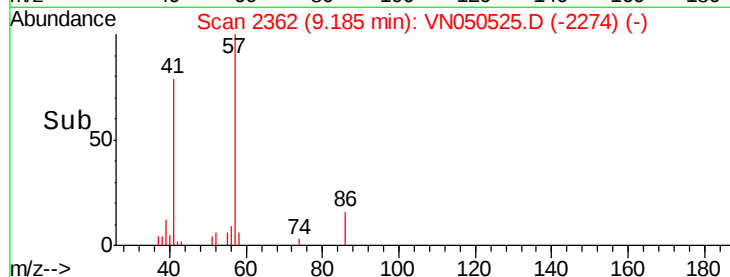
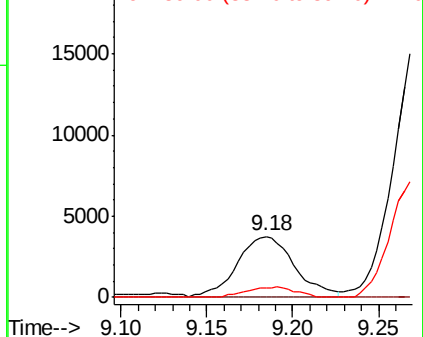
#48
Methvl methacrylate
Concen: 1.15 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. -0.02 min
Lab File: VN050525.D
Acq: 10 Aug 2018 18:16

Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#04

Tot Ion: 41 Resp: 8690
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 14.7 43.9 65.9#

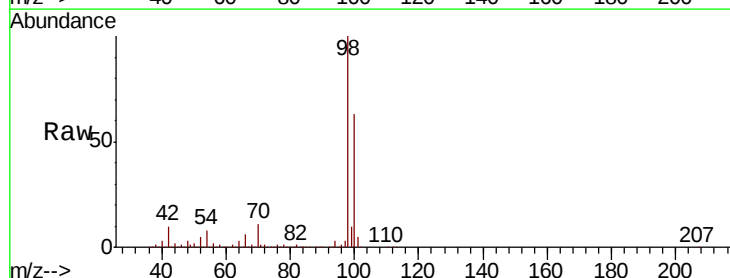


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

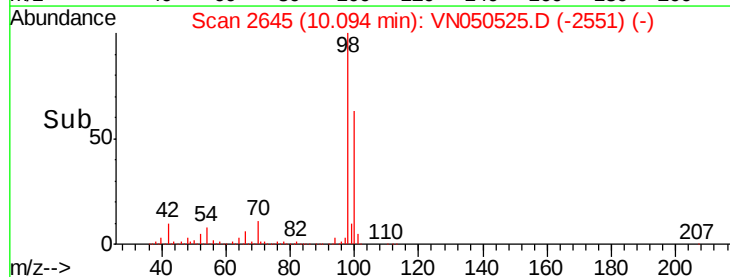
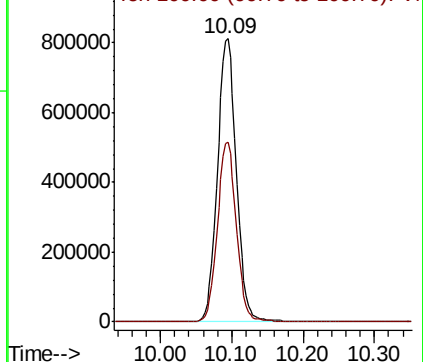


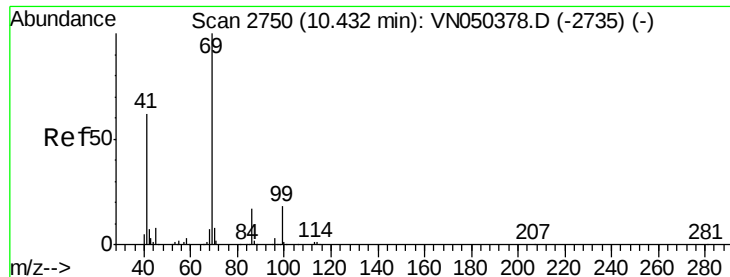
#50
Toluene-d8
Concen: 45.06 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050525.D
Acq: 10 Aug 2018 18:16

Tgt Ion: 98 Resp: 1494570
Ion Ratio Lower Upper
98 100
100 63.4 50.7 76.1



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





#56

Ethyl methacrylate

Concen: 1.76 ug/l

RT: 10.64 min Scan# 2815

Delta R.T. 0.21 min

Lab File: VN050525.D

Acq: 10 Aug 2018 18:16

Instrument :

MSVOA_N

ClientSampleId :

PB111921ZHE#04

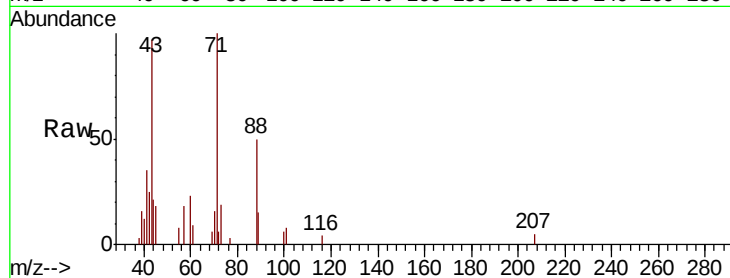
Tot Ion: 69 Resp: 689

Ion Ratio Lower Upper

69 100

41 744.1 51.0 76.4#

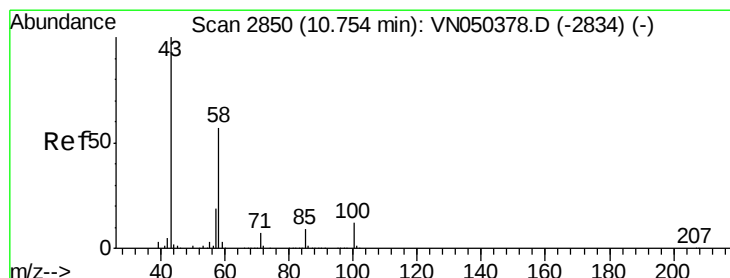
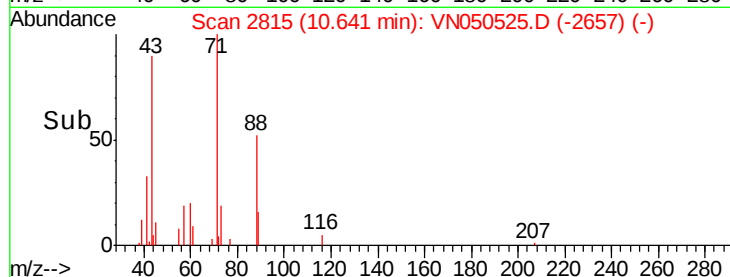
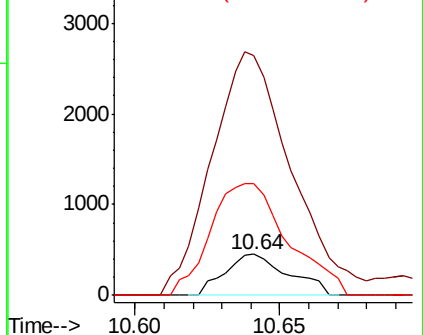
39 332.9 26.6 40.0#



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



#59

2-Hexanone

Concen: 2.58 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050525.D

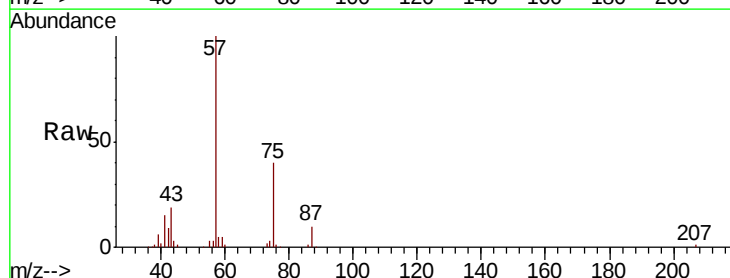
Acq: 10 Aug 2018 18:16

Tgt Ion: 43 Resp: 19499

Ion Ratio Lower Upper

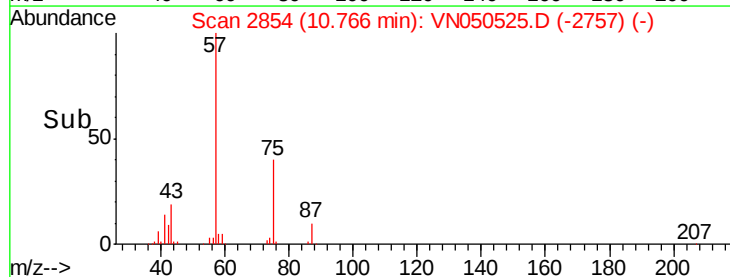
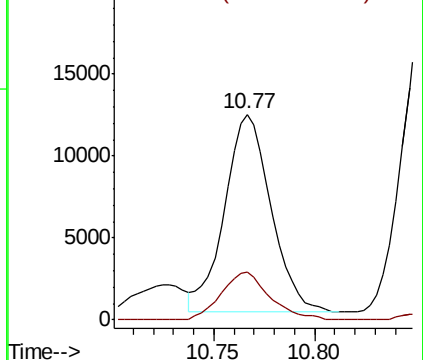
43 100

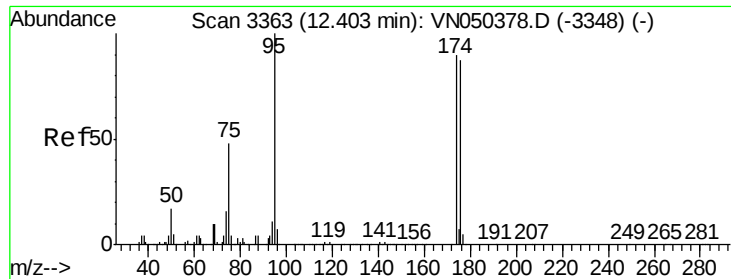
58 25.1 27.6 82.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

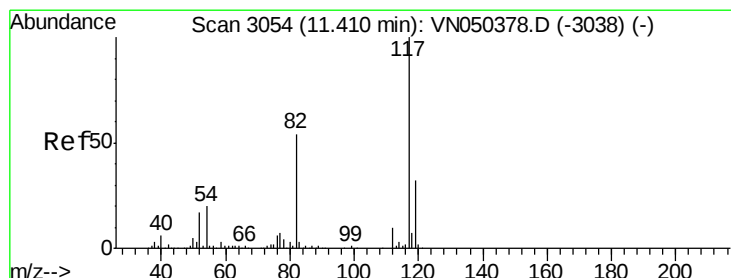
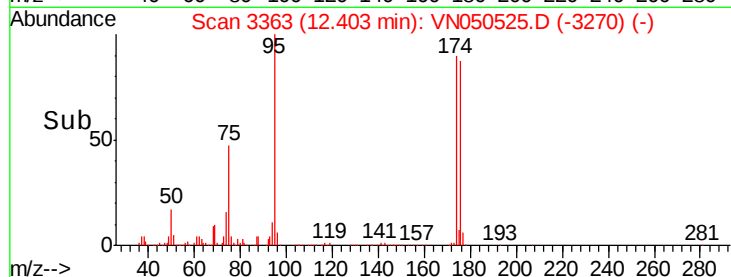
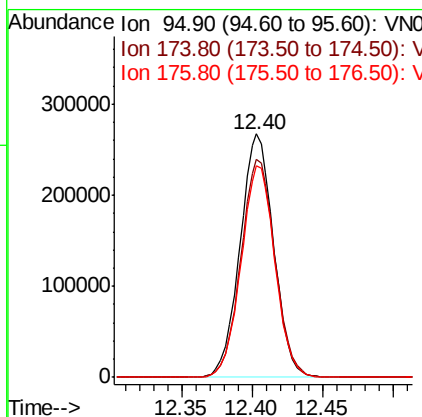
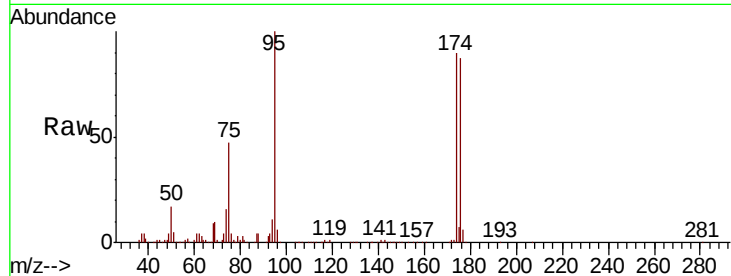




#62
4-Bromofluorobenzene
Concen: 39.36 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050525.D
Acq: 10 Aug 2018 18:16

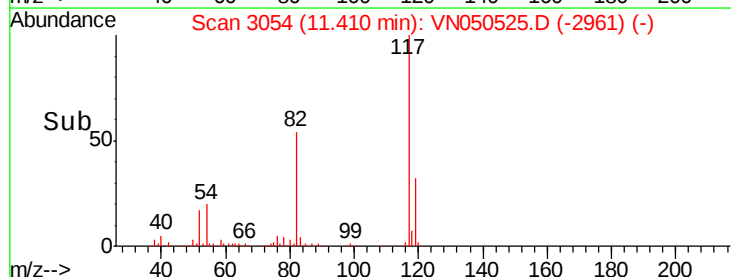
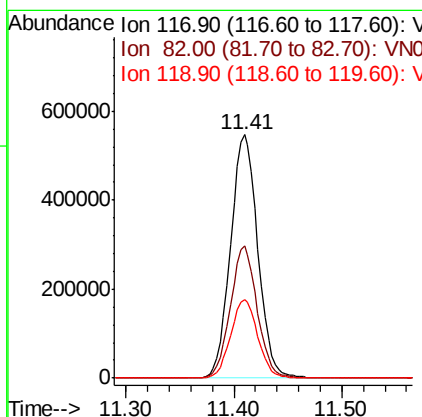
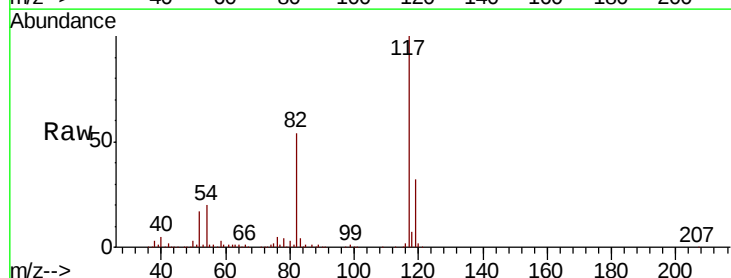
Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#04

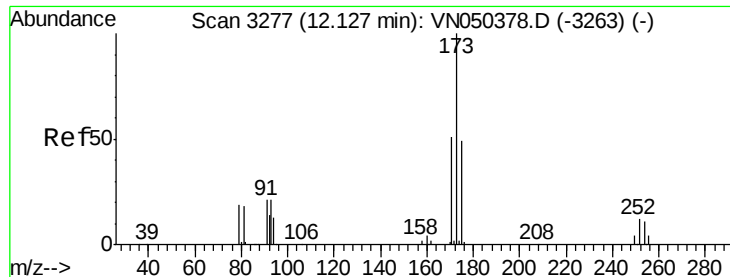
Tot Ion: 95 Resp: 444934
Ion Ratio Lower Upper
95 100
174 91.1 0.0 178.2
176 87.8 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050525.D
Acq: 10 Aug 2018 18:16

Tgt Ion: 117 Resp: 964076
Ion Ratio Lower Upper
117 100
82 54.2 43.7 65.5
119 32.2 26.1 39.1





#71

Bromoform

Concen: 0.46 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN050525.D

Acq: 10 Aug 2018 18:16

Instrument :

MSVOA_N

ClientSampleId :

PB111921ZHE#04

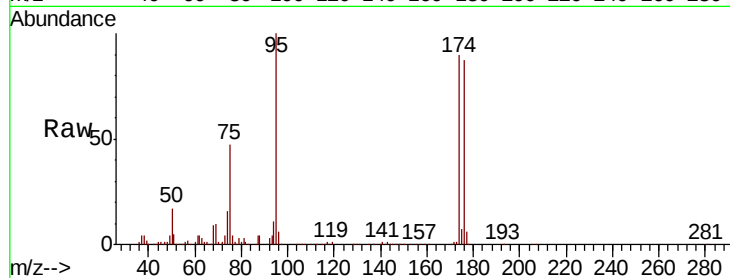
Tot Ion:173 Resp: 2928

Ion Ratio Lower Upper

173 100

175 843.2 24.1 72.2#

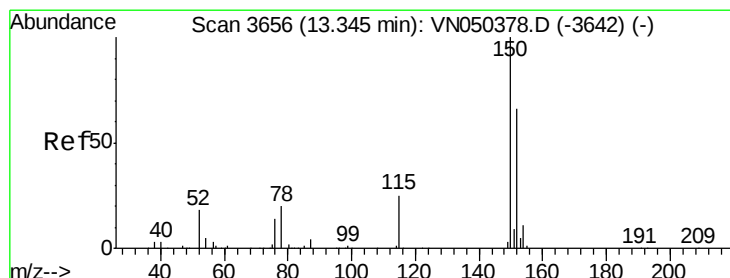
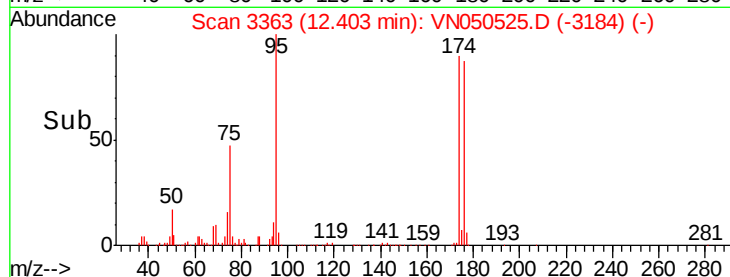
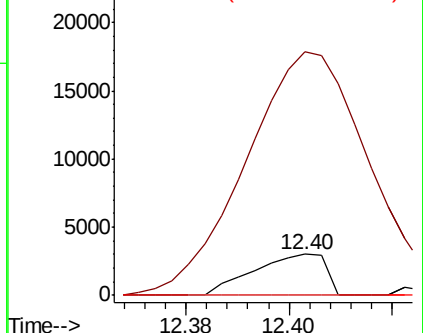
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050525.D

Acq: 10 Aug 2018 18:16

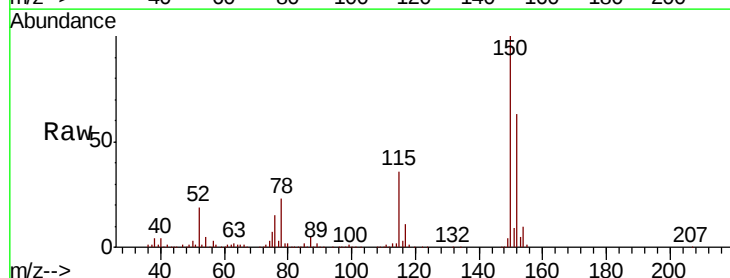
Tgt Ion:152 Resp: 385513

Ion Ratio Lower Upper

152 100

115 57.2 27.8 83.3

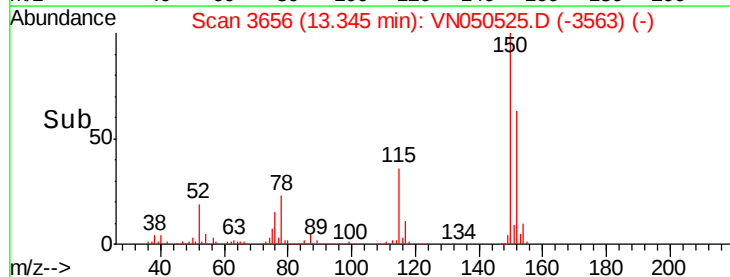
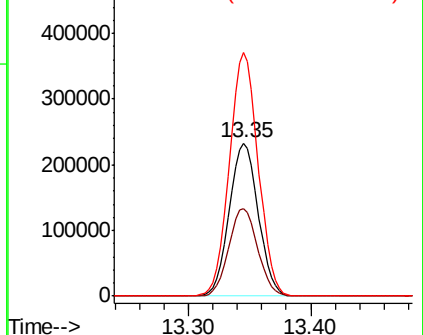
150 157.7 0.0 348.6

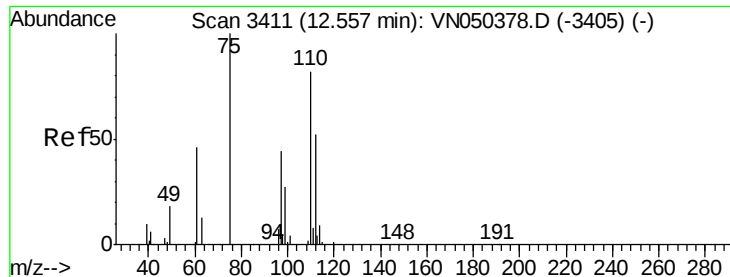


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 30.29 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050525.D

Acq: 10 Aug 2018 18:16

Instrument :

MSVOA_N

ClientSampleId :

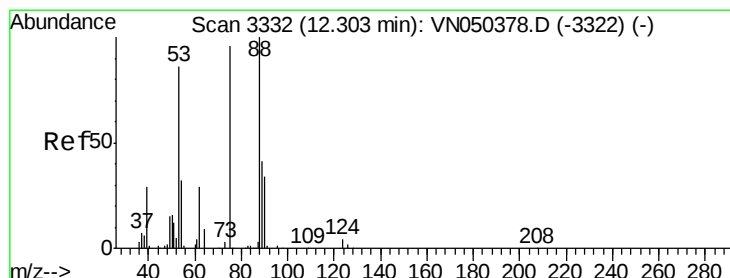
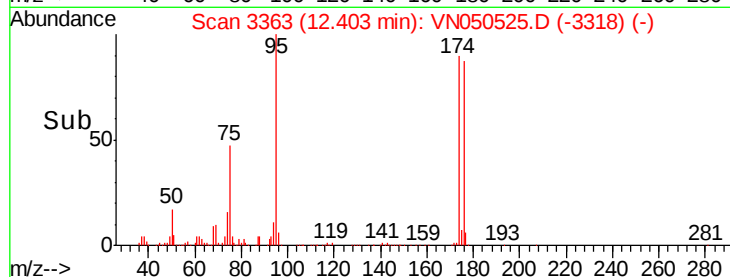
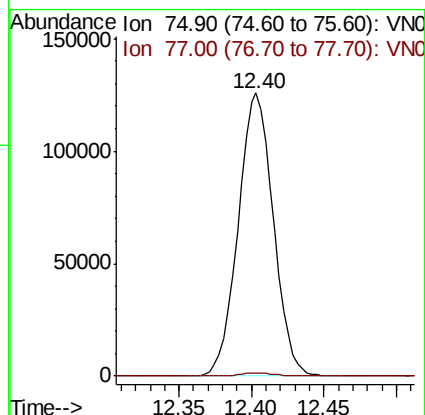
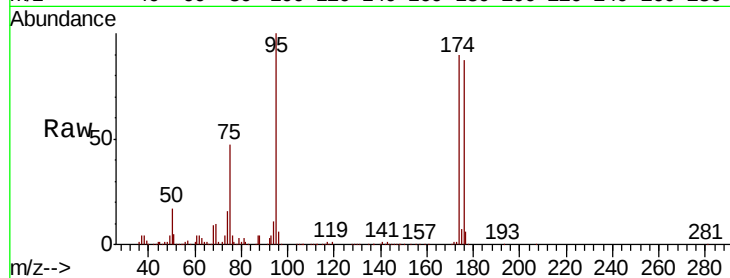
PB111921ZHE#04

Tot Ion: 75 Resp: 211336

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 106.41 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050525.D

Acq: 10 Aug 2018 18:16

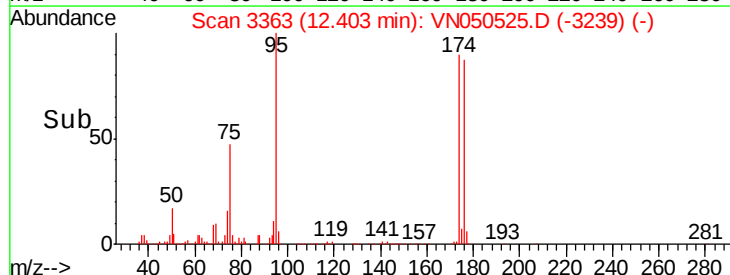
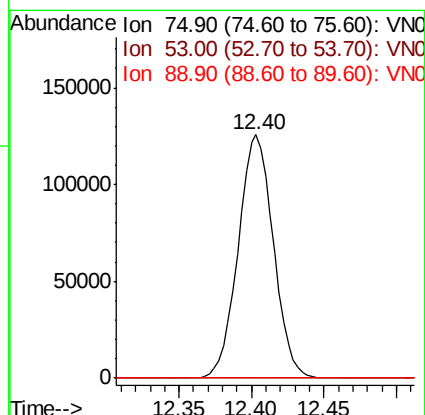
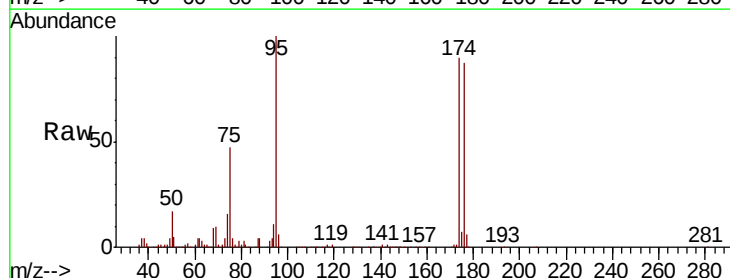
Tgt Ion: 75 Resp: 211336

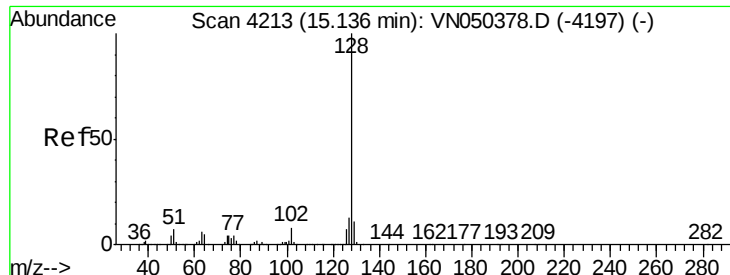
Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

89 0.0 36.0 54.0#

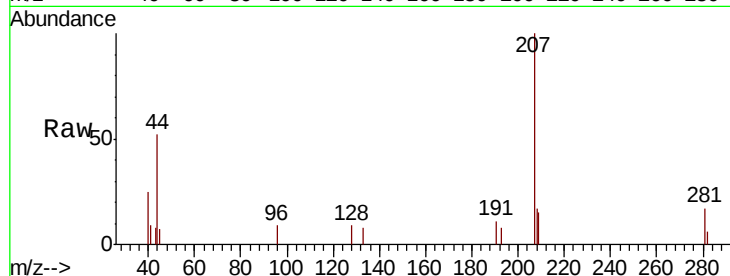




#95
 Naphthalene
 Concen: 3.63 ug/l
 RT: 15.13 min Scan# 4210
 Delta R.T. -0.01 min
 Lab File: VN050525.D
 Acq: 10 Aug 2018 18:16

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111921ZHE#04

Tot 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

