

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\
 Data File : VN050576.D
 Acq On : 13 Aug 2018 18:26
 Operator : MD\SY
 Sample : PB111961ZHE#09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111961ZHE#09

Quant Time: Aug 14 01:02:10 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	628374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1055585	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	916306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	344377	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	438389	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
35) Dibromofluoromethane	7.59	113	406712	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
50) Toluene-d8	10.09	98	1435569	45.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.16%	
62) 4-Bromofluorobenzene	12.40	95	408259	37.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.22%	

Target Compounds

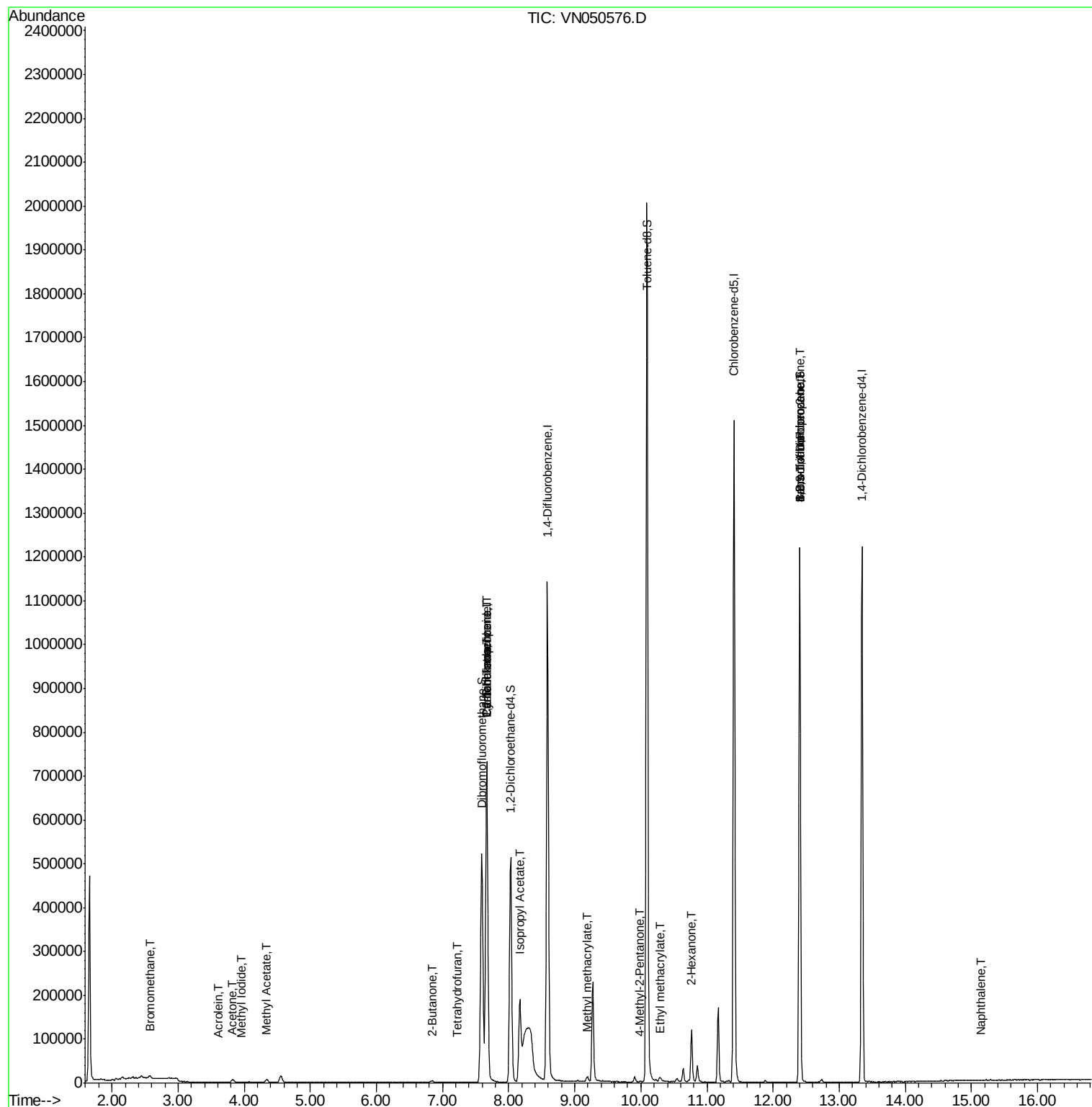
						Qvalue
3) Chloromethane	2.06	50	3012	Below Cal		97
5) Bromomethane	2.57	94	3558	0.98 ug/l		86
10) Methyl Iodide	3.96	142	783	0.25 ug/l #		52
13) Acrolein	3.61	56	30	15.06 ug/l #		15
16) Acetone	3.83	43	12459	4.62 ug/l		99
18) Methyl Acetate	4.34	43	14439	2.03 ug/l #		87
25) 2-Butanone	6.85	43	2501	0.60 ug/l		99
29) Tetrahydrofuran	7.21	42	818	0.37 ug/l #		42
31) Cyclohexane	7.67	56	12044	0.38 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	43886	3.78 ug/l #		48
38) Carbon Tetrachloride	7.67	117	56959	4.71 ug/l #		16
43) Isopropyl Acetate	8.17	43	242096	16.79 ug/l		96
48) Methyl methacrylate	9.18	41	7238	1.00 ug/l #		20
51) 4-Methyl-2-Pentanone	9.99	43	2122	0.20 ug/l #		80
56) Ethyl methacrylate	10.30	69	101	1.72 ug/l #		1
59) 2-Hexanone	10.77	43	16697	2.30 ug/l #		58
71) Bromoform	12.40	173	2297	0.38 ug/l #		1
76) 1,2,3-Trichloropropane	12.40	75	197632	31.70 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	197632	111.40 ug/l #		13
95) Naphthalene	15.14	128	253	3.63 ug/l #		69

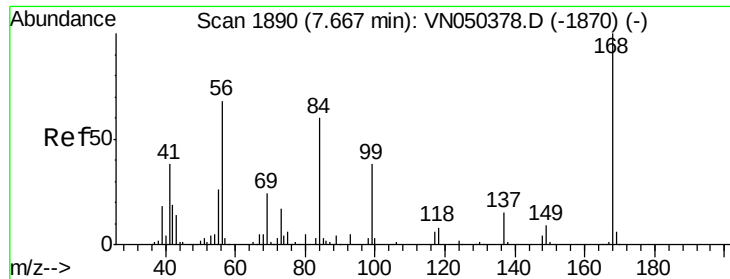
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050576.D

Acq: 13 Aug 2018 18:26

Instrument :

MSVOA_N

ClientSampleId :

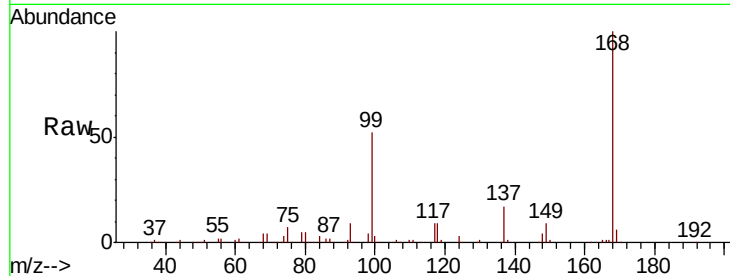
PB111961ZHE#09

Tot Ion:168 Resp: 628374

Ion Ratio Lower Upper

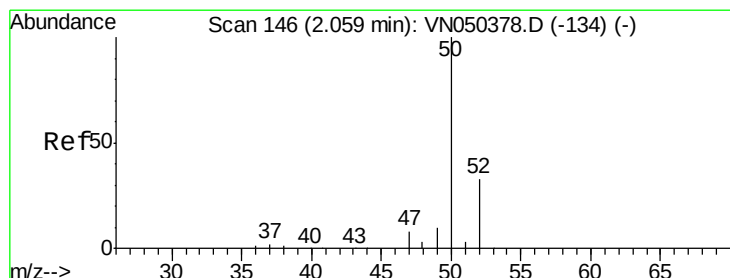
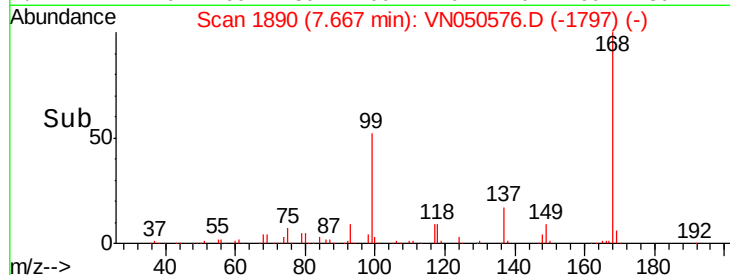
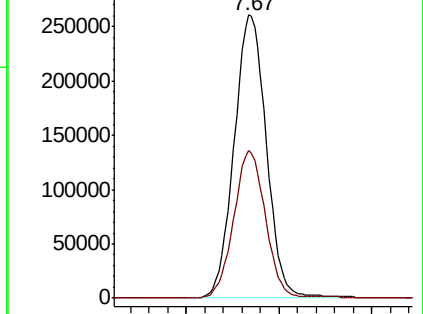
168 100

99 52.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050576.D

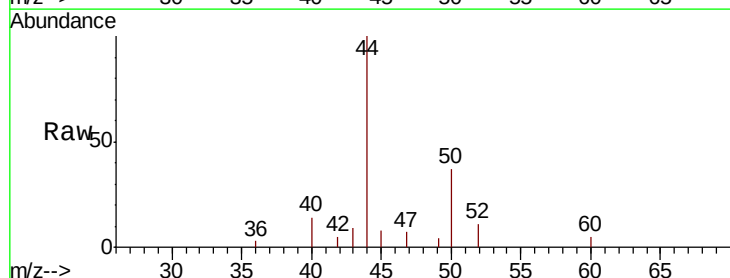
Acq: 13 Aug 2018 18:26

Tgt Ion: 50 Resp: 3012

Ion Ratio Lower Upper

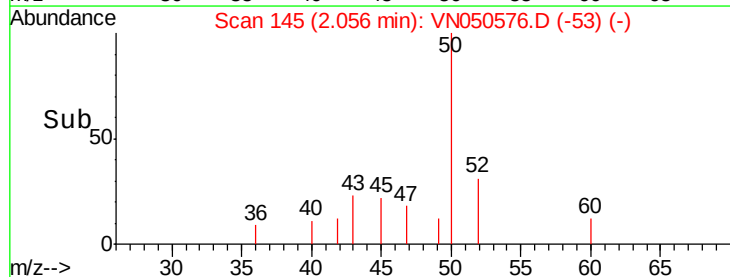
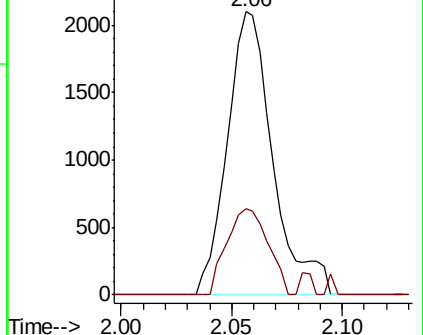
50 100

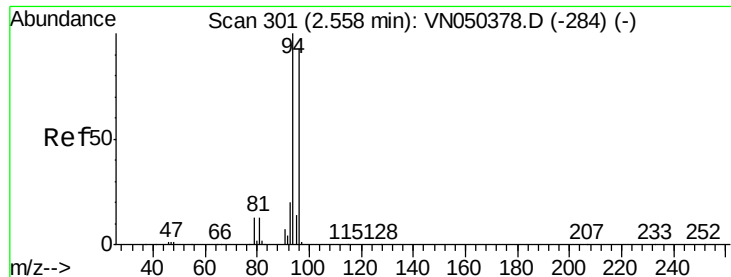
52 30.7 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Bromomethane

Concen: 0.98 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050576.D

Acq: 13 Aug 2018 18:26

Instrument :

MSVOA_N

ClientSampleId :

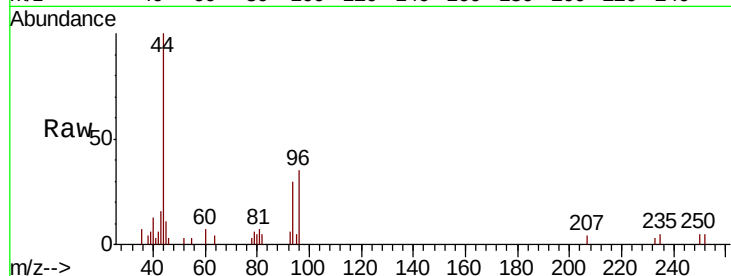
PB111961ZHE#09

Tot Ion: 94 Resp: 3558

Ion Ratio Lower Upper

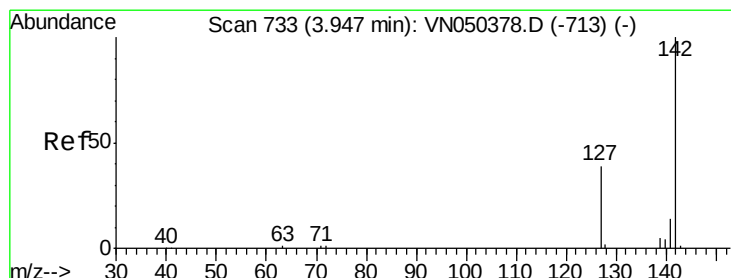
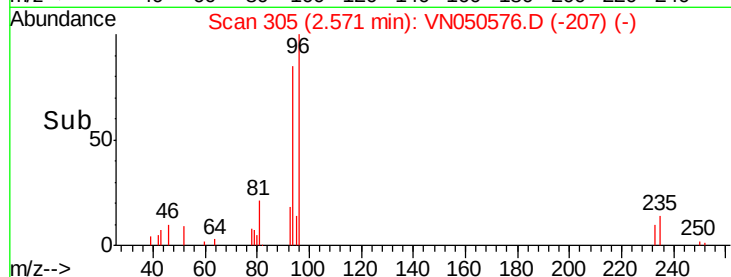
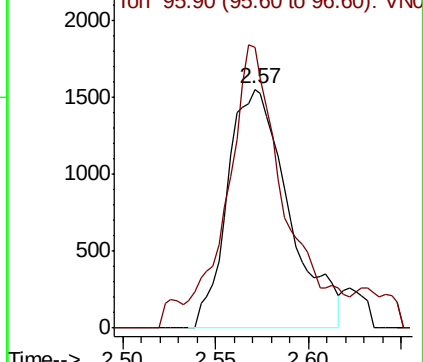
94 100

96 106.4 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN050576.D (-207) (-)

Ion 95.90 (95.60 to 96.60): VN050576.D (-207) (-)



#10

Methyl Iodide

Concen: 0.25 ug/l

RT: 3.96 min Scan# 738

Delta R.T. 0.02 min

Lab File: VN050576.D

Acq: 13 Aug 2018 18:26

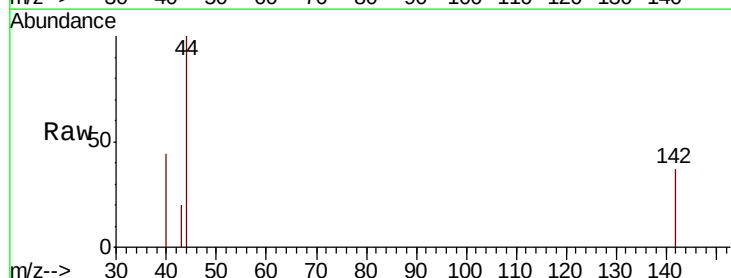
Tgt Ion: 142 Resp: 783

Ion Ratio Lower Upper

142 100

127 8.4 33.4 50.2#

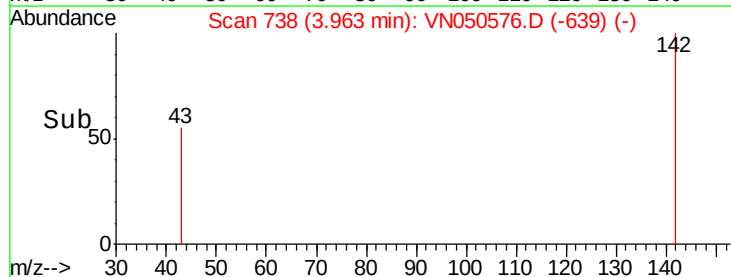
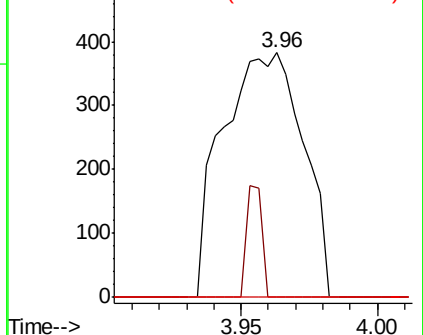
141 0.0 11.6 17.4#

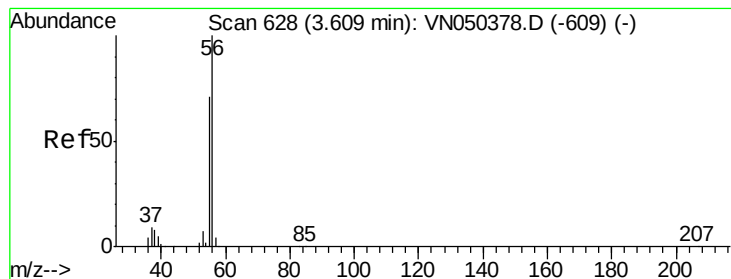


Abundance Ion 141.80 (141.50 to 142.50): VN050576.D (-639) (-)

Ion 126.80 (126.50 to 127.50): VN050576.D (-639) (-)

Ion 140.80 (140.50 to 141.50): VN050576.D (-639) (-)





#13

Acrolein

Concen: 15.06 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050576.D

Acq: 13 Aug 2018 18:26

Instrument :

MSVOA_N

ClientSampleId :

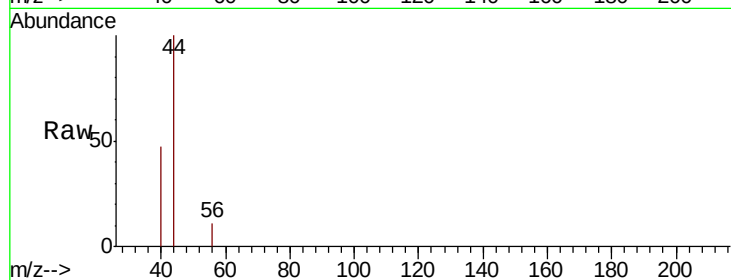
PB111961ZHE#09

Tot Ion: 56 Resp: 30

Ion Ratio Lower Upper

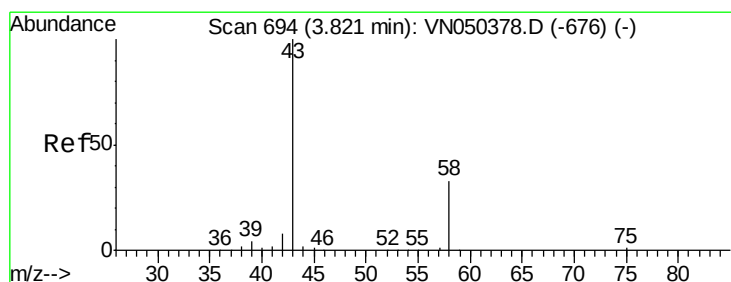
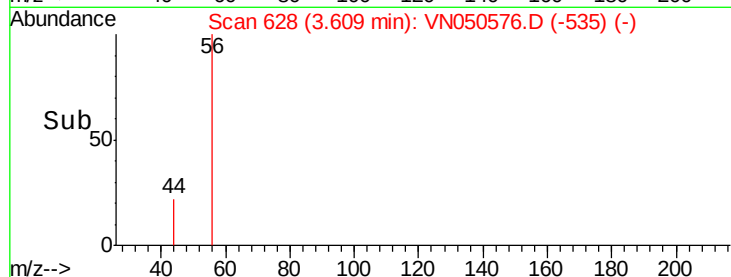
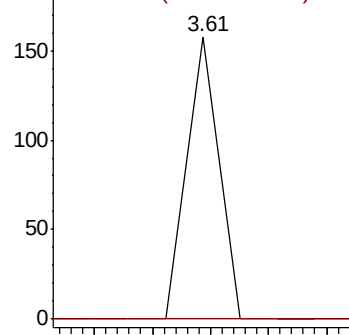
56 100

55 0.0 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: 4.62 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050576.D

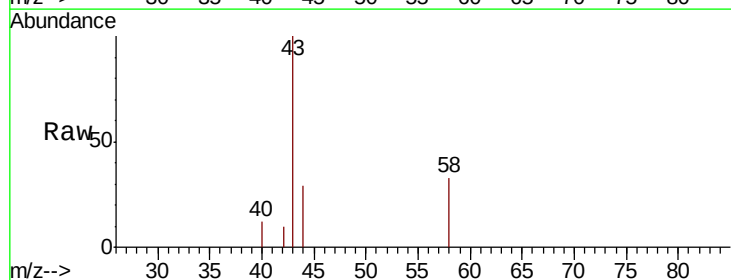
Acq: 13 Aug 2018 18:26

Tgt Ion: 43 Resp: 12459

Ion Ratio Lower Upper

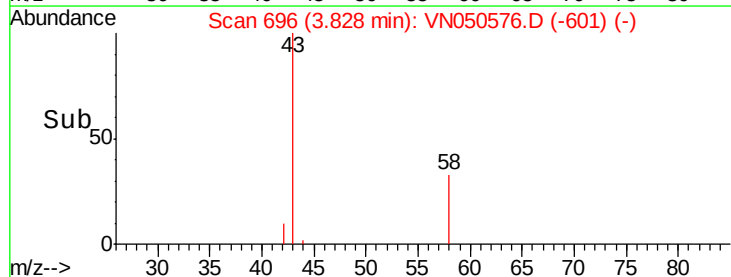
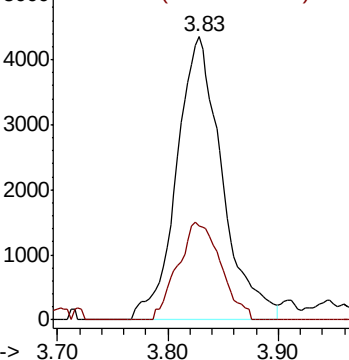
43 100

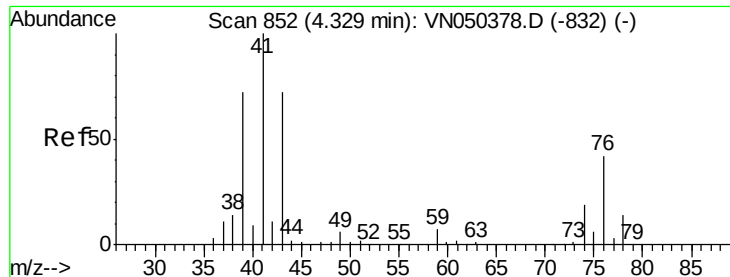
58 33.0 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#18

Methyl Acetate

Concen: 2.03 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN050576.D

Acq: 13 Aug 2018 18:26

Instrument :

MSVOA_N

ClientSampleId :

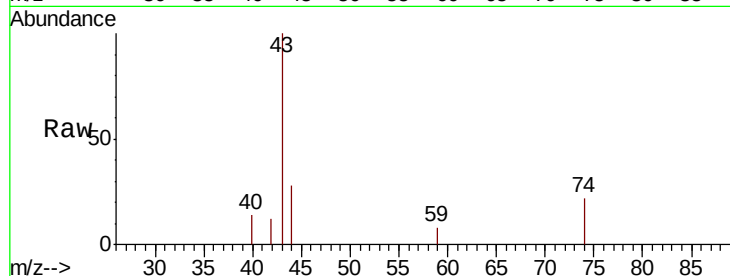
PB111961ZHE#09

Tot Ion: 43 Resp: 14439

Ion Ratio Lower Upper

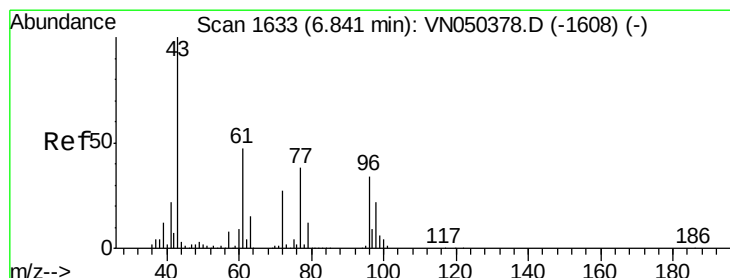
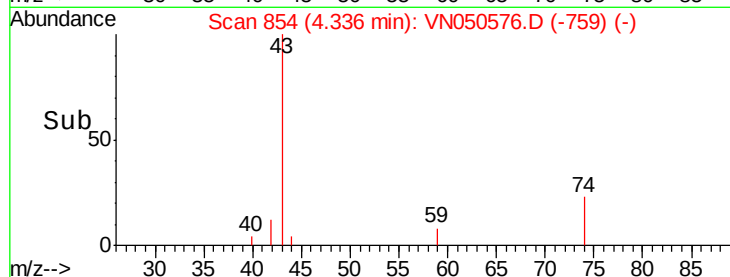
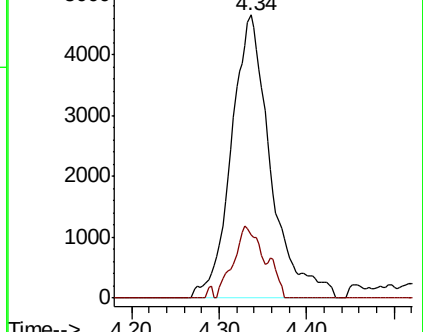
43 100

74 17.6 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



#25

2-Butanone

Concen: 0.60 ug/l

RT: 6.85 min Scan# 1637

Delta R.T. 0.01 min

Lab File: VN050576.D

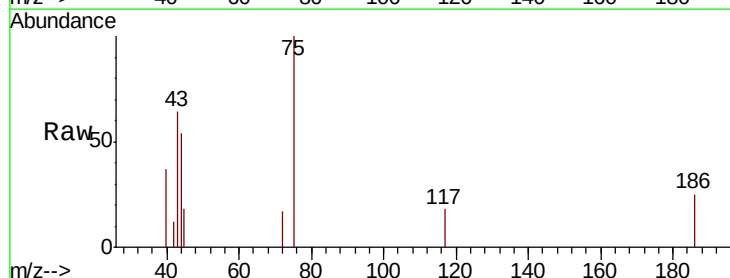
Acq: 13 Aug 2018 18:26

Tgt Ion: 43 Resp: 2501

Ion Ratio Lower Upper

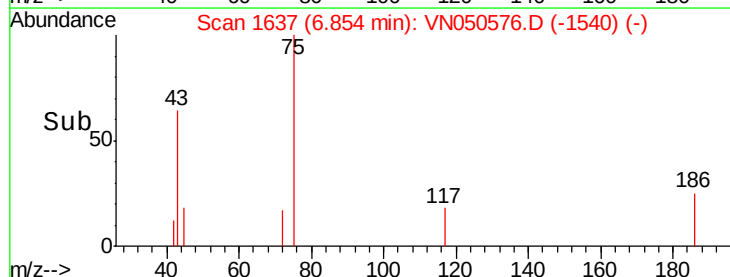
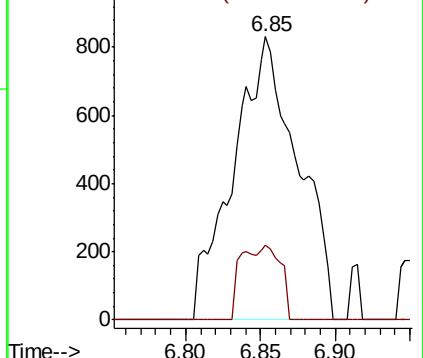
43 100

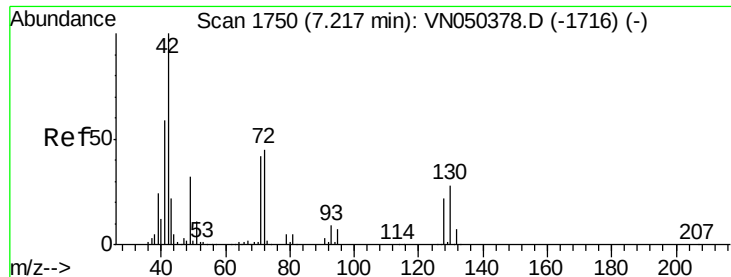
72 26.4 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

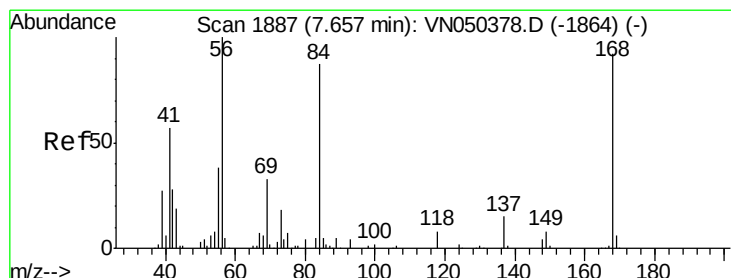
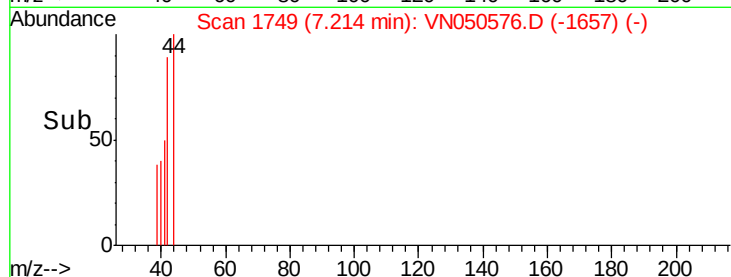
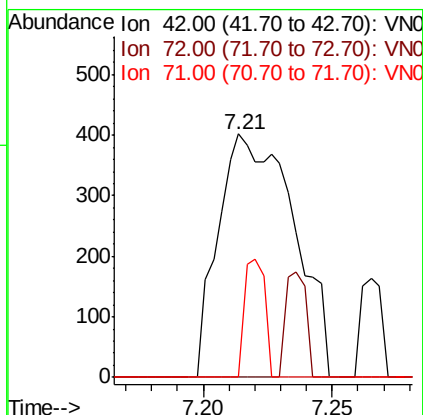
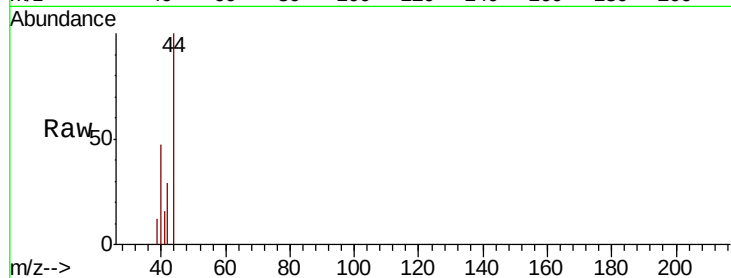




#29
Tetrahydrofuran
Concen: 0.37 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN050576.D
Acq: 13 Aug 2018 18:26

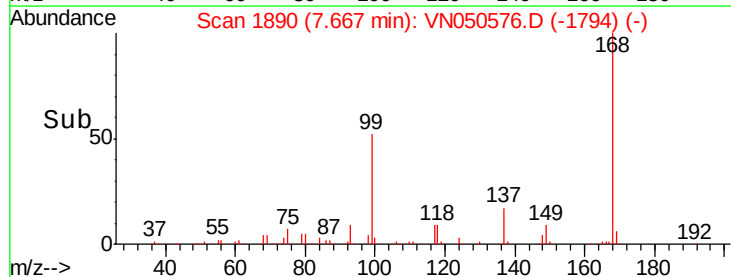
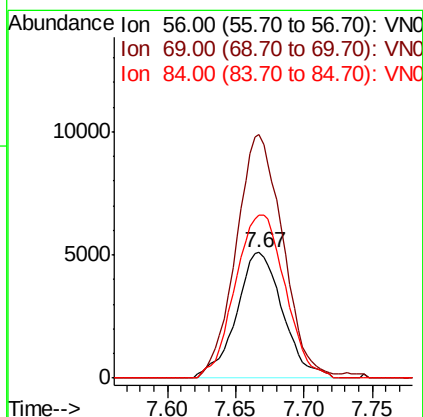
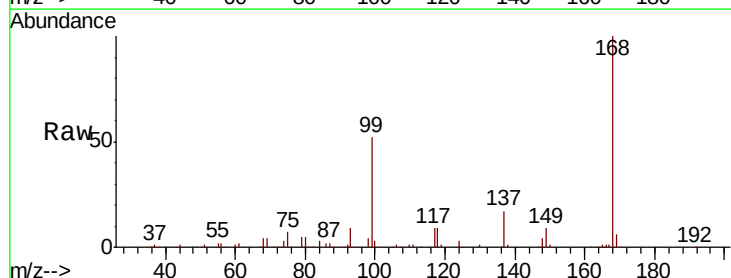
Instrument :
MSVOA_N
ClientSampleId :
PB111961ZHE#09

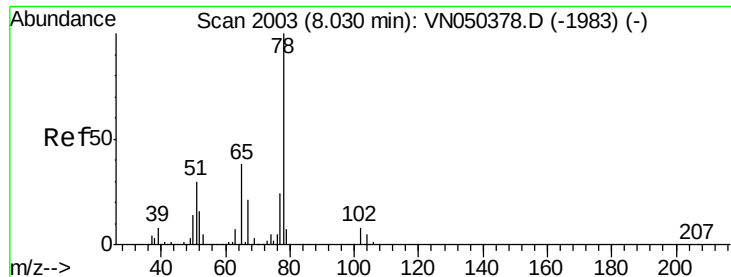
Tot Ion: 42 Resp: 818
Ion Ratio Lower Upper
42 100
72 0.0 35.9 53.9#
71 13.0 33.7 50.5#



#31
Cyclohexane
Concen: 0.38 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050576.D
Acq: 13 Aug 2018 18:26

Tgt Ion: 56 Resp: 12044
Ion Ratio Lower Upper
56 100
69 194.4 26.2 39.4#
84 129.7 67.4 101.0#

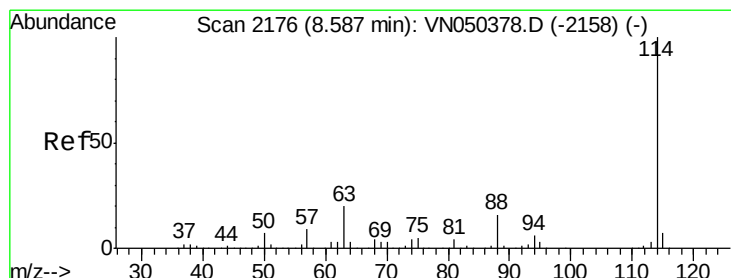
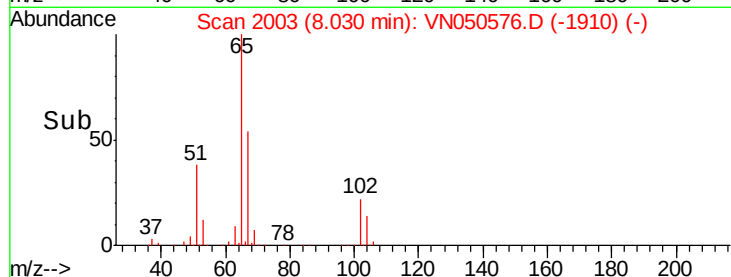
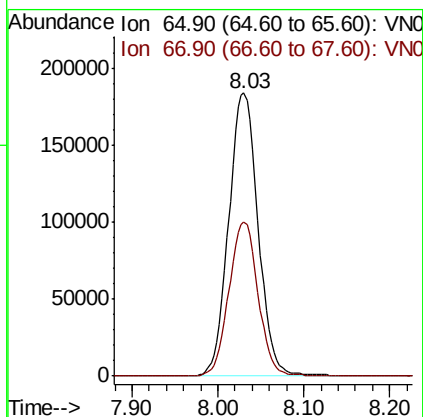
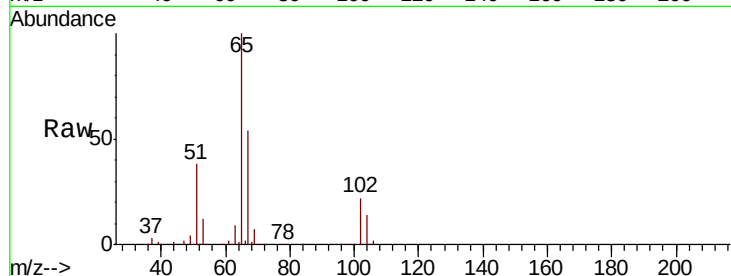




#33
 1,2-Dichloroethane-d4
 Concen: 52.22 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050576.D
 Acq: 13 Aug 2018 18:26

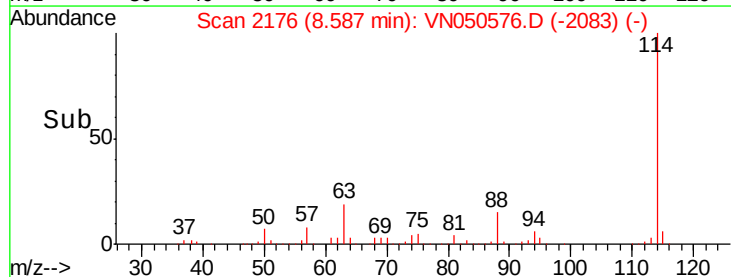
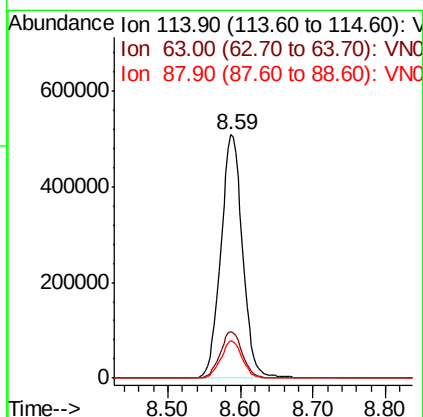
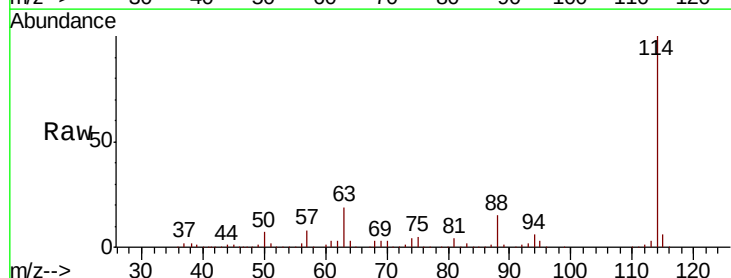
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111961ZHE#09

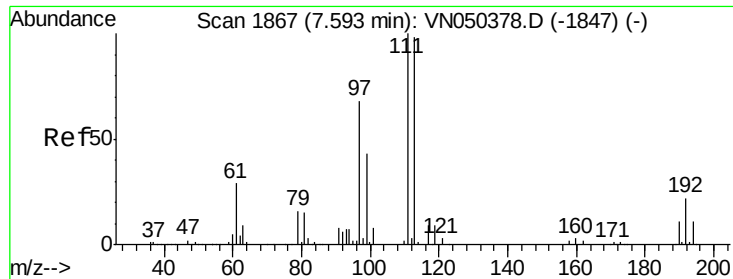
Tot Ion: 65 Resp: 438389
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050576.D
 Acq: 13 Aug 2018 18:26

Tgt Ion: 114 Resp: 1055585
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.0
 88 15.2 0.0 31.2

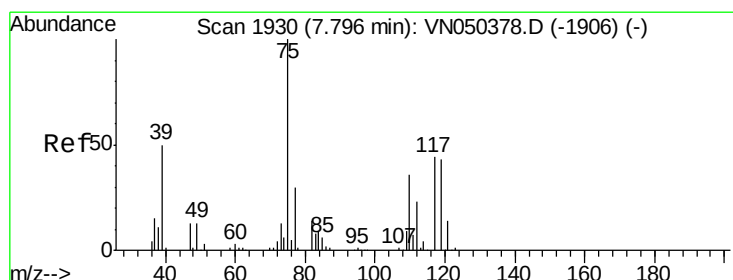
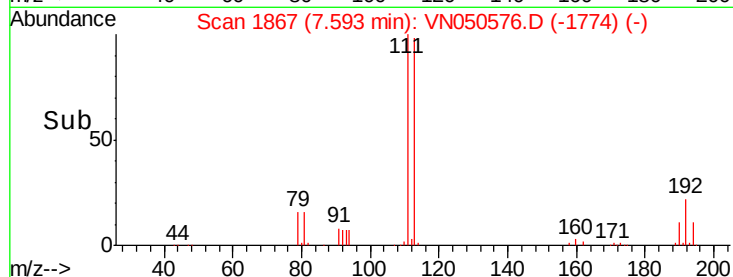
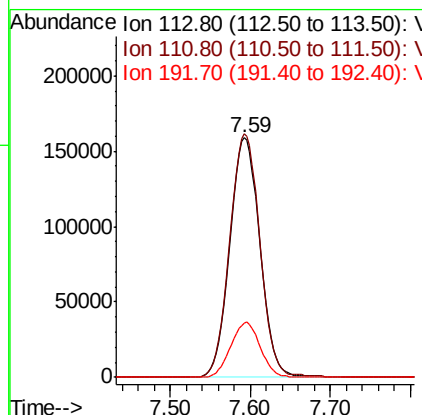
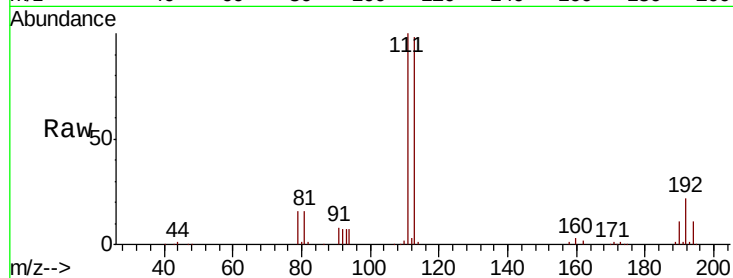




#35
 Dibromofluoromethane
 Concen: 48.02 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050576.D
 Acq: 13 Aug 2018 18:26

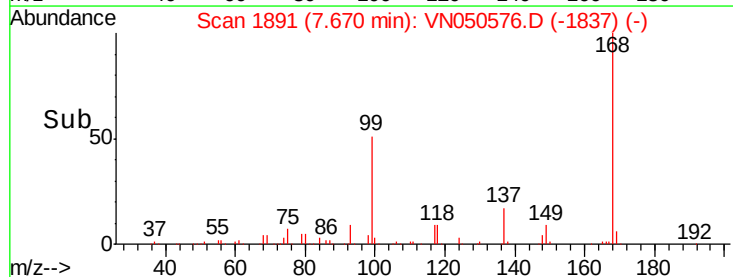
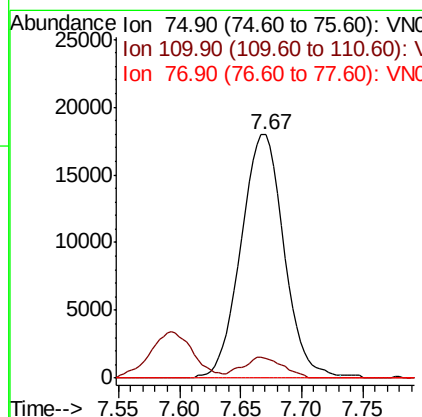
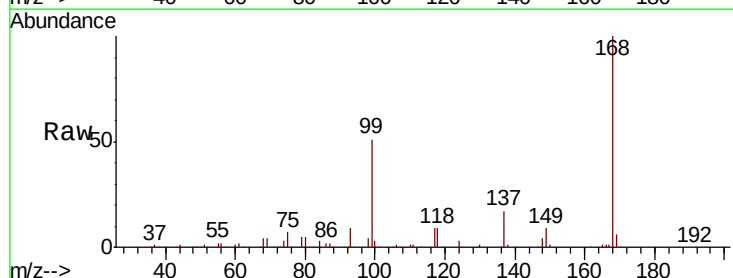
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111961ZHE#09

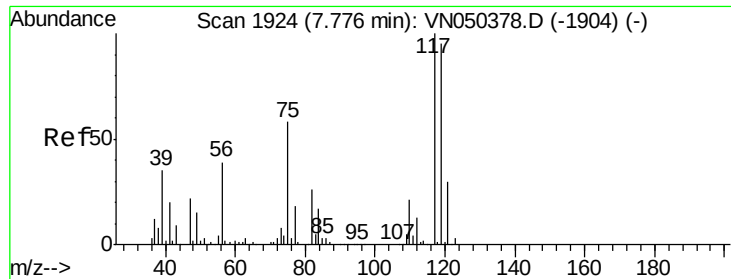
Tot Ion:113 Resp: 406712
 Ion Ratio Lower Upper
 113 100
 111 101.7 80.7 121.1
 192 22.5 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.78 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050576.D
 Acq: 13 Aug 2018 18:26

Tgt Ion: 75 Resp: 43886
 Ion Ratio Lower Upper
 75 100
 110 8.1 18.4 55.2#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 4.71 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050576.D

Acq: 13 Aug 2018 18:26

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#09

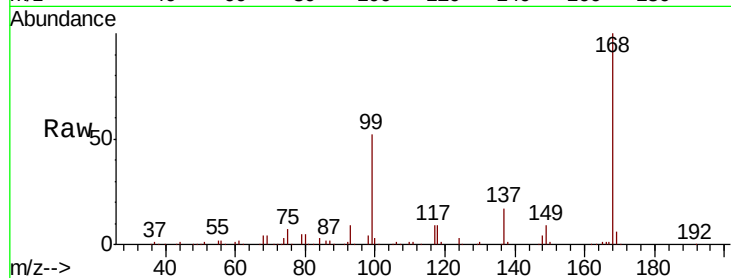
Tot Ion:117 Resp: 56959

Ion Ratio Lower Upper

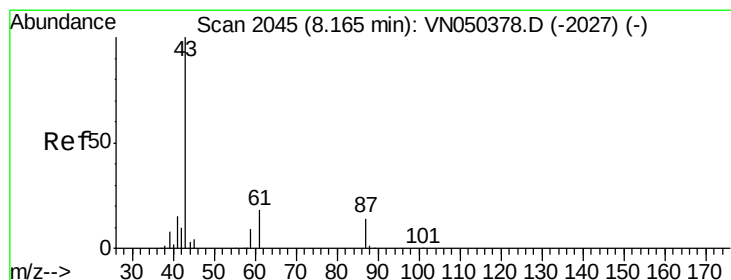
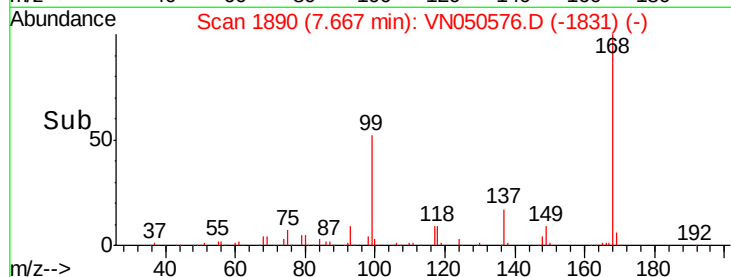
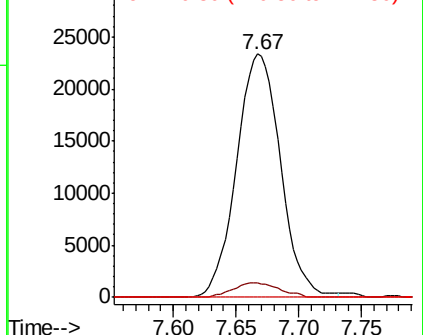
117 100

119 5.8 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: 16.79 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050576.D

Acq: 13 Aug 2018 18:26

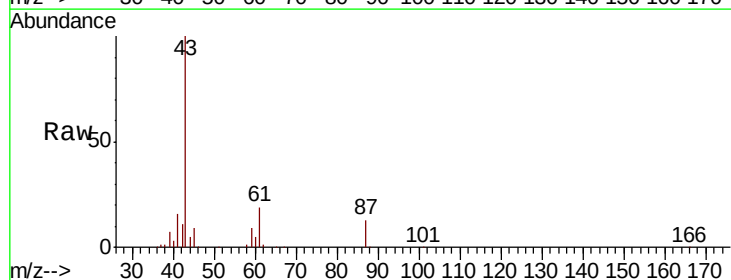
Tgt Ion: 43 Resp: 242096

Ion Ratio Lower Upper

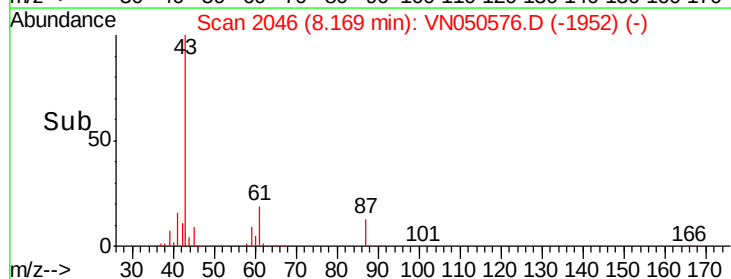
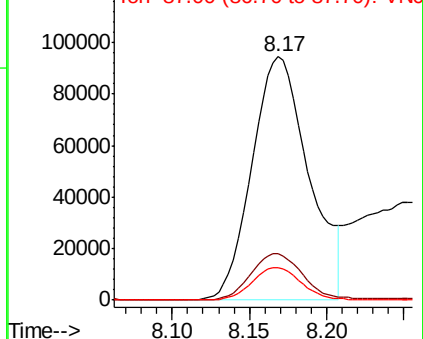
43 100

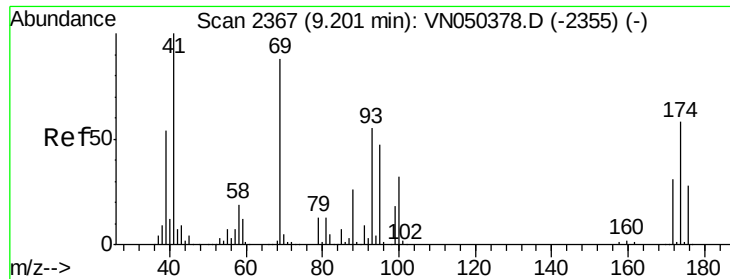
61 17.4 15.8 23.6

87 11.6 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

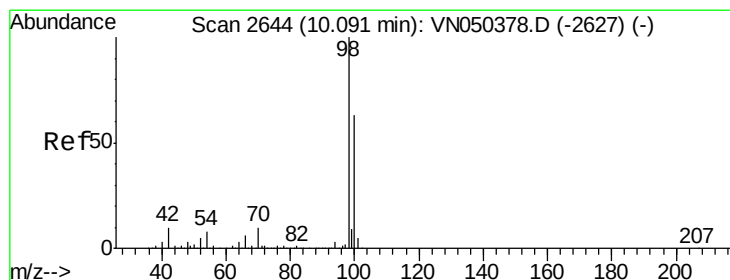
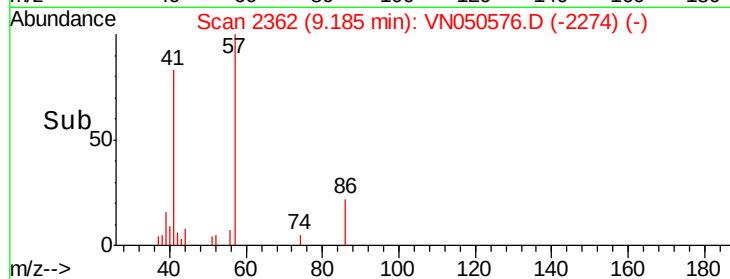
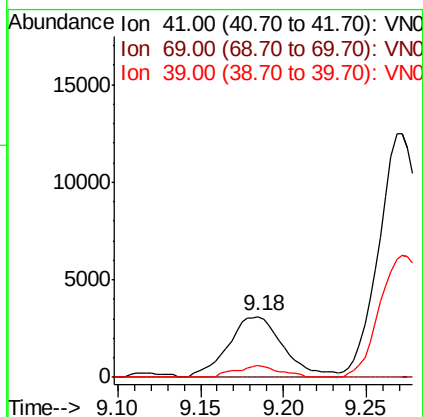
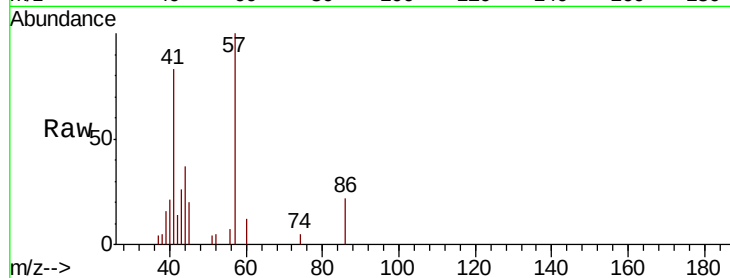




#48
Methyl methacrylate
Concen: 1.00 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. -0.02 min
Lab File: VN050576.D
Acq: 13 Aug 2018 18:26

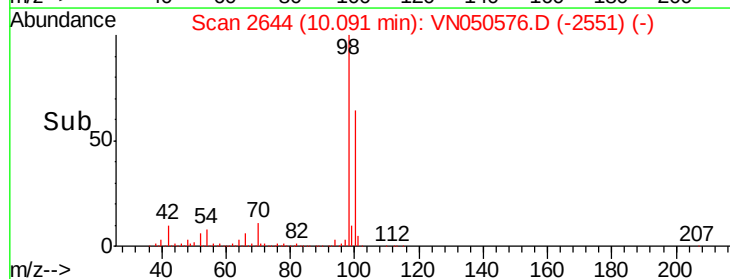
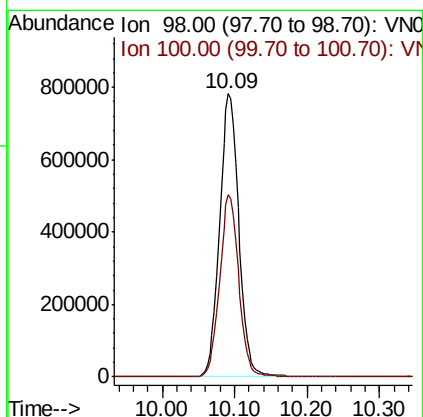
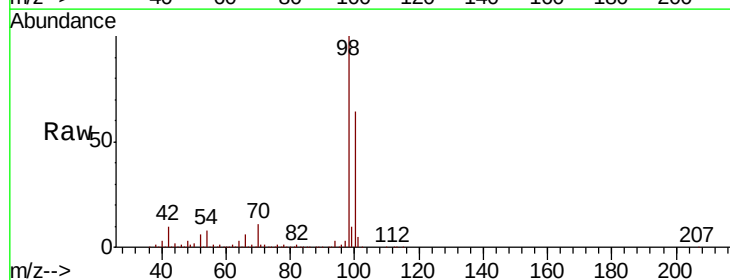
Instrument :
MSVOA_N
ClientSampleId :
PB111961ZHE#09

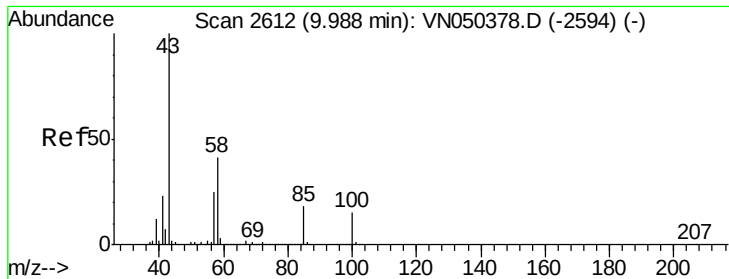
Tot Ion: 41 Resp: 7238
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 15.0 43.9 65.9#



#50
Toluene-d8
Concen: 45.08 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050576.D
Acq: 13 Aug 2018 18:26

Tgt Ion: 98 Resp: 1435569
Ion Ratio Lower Upper
98 100
100 63.9 50.7 76.1

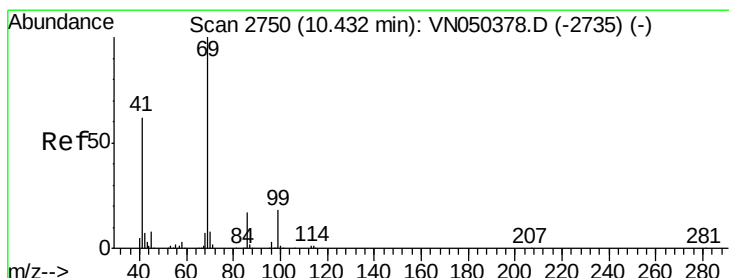
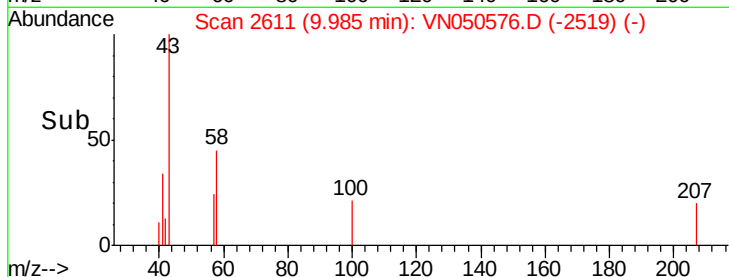
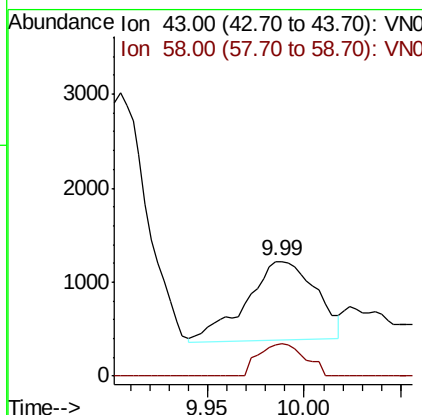
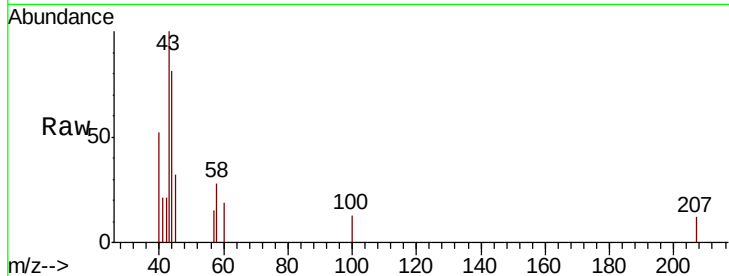




#51
4-Methyl-2-Pentanone
Concen: 0.20 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050576.D
Acq: 13 Aug 2018 18:26

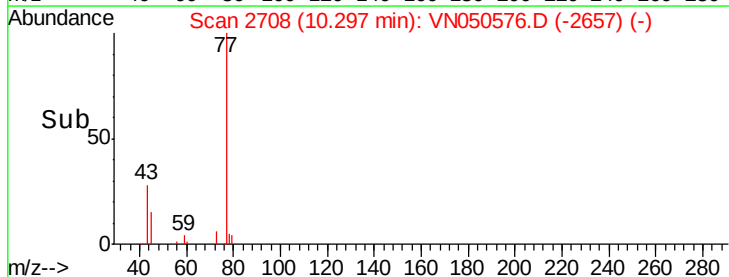
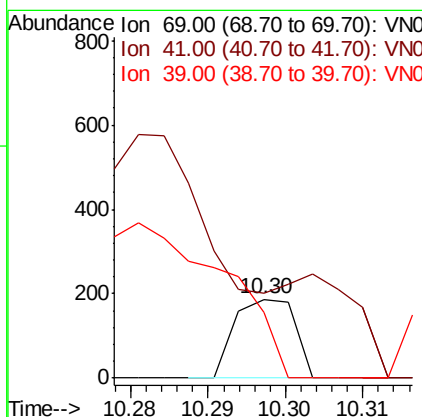
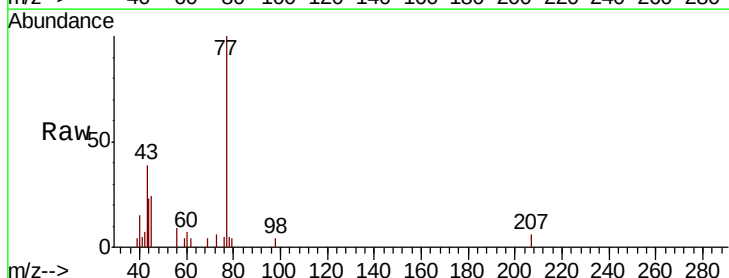
Instrument :
MSVOA_N
ClientSampleId :
PB111961ZHE#09

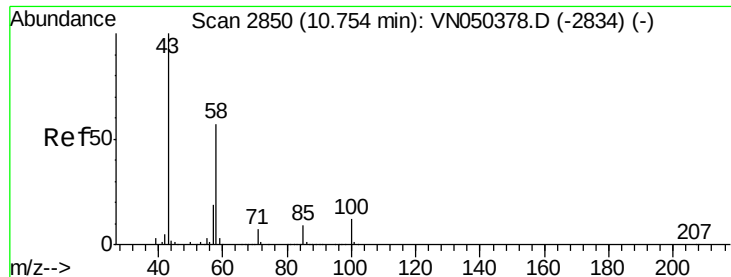
Tot Ion: 43 Resp: 2122
Ion Ratio Lower Upper
43 100
58 27.3 31.9 47.9#



#56
Ethyl methacrylate
Concen: 1.72 ug/l
RT: 10.30 min Scan# 2708
Delta R.T. -0.13 min
Lab File: VN050576.D
Acq: 13 Aug 2018 18:26

Tgt Ion: 69 Resp: 101
Ion Ratio Lower Upper
69 100
41 862.4 51.0 76.4#
39 556.4 26.6 40.0#





#59

2-Hexanone

Concen: 2.30 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050576.D

Acq: 13 Aug 2018 18:26

Instrument :

MSVOA_N

ClientSampleId :

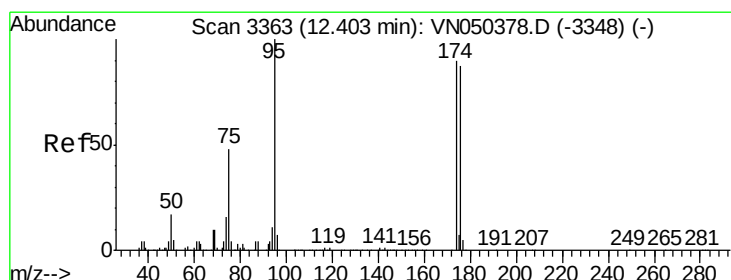
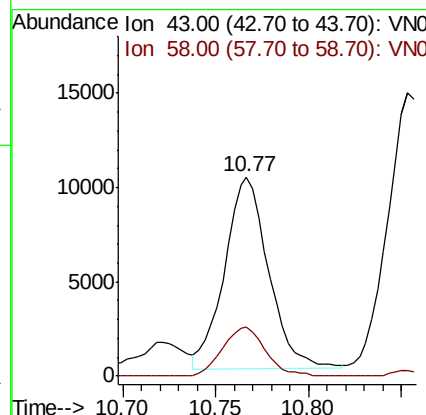
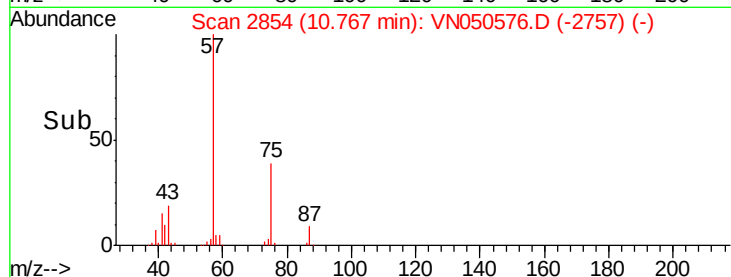
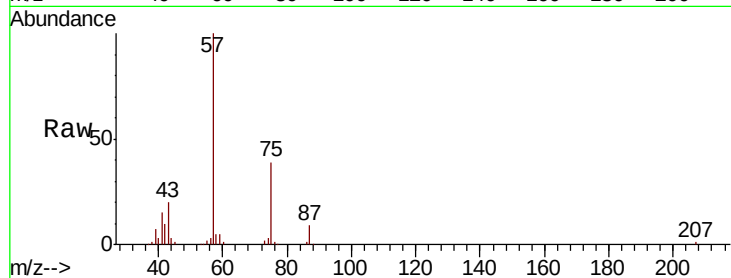
PB111961ZHE#09

Tot Ion: 43 Resp: 16697

Ion Ratio Lower Upper

43 100

58 24.9 27.6 82.7#



#62

4-Bromofluorobenzene

Concen: 37.61 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050576.D

Acq: 13 Aug 2018 18:26

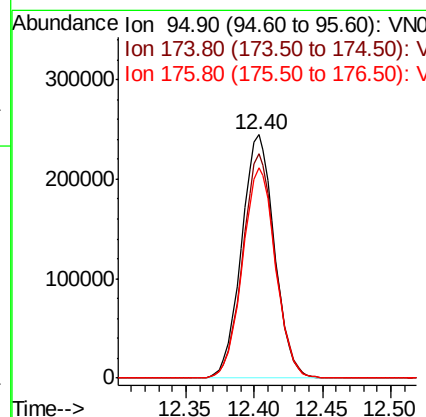
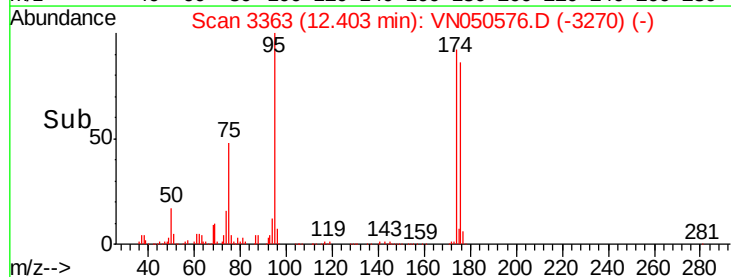
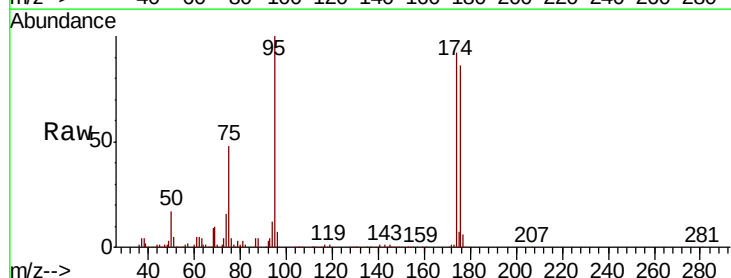
Tgt Ion: 95 Resp: 408259

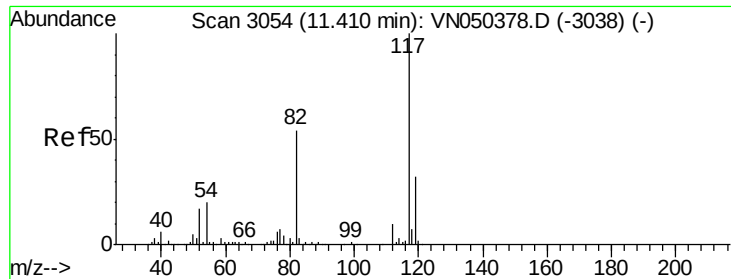
Ion Ratio Lower Upper

95 100

174 91.3 0.0 178.2

176 86.9 0.0 173.4

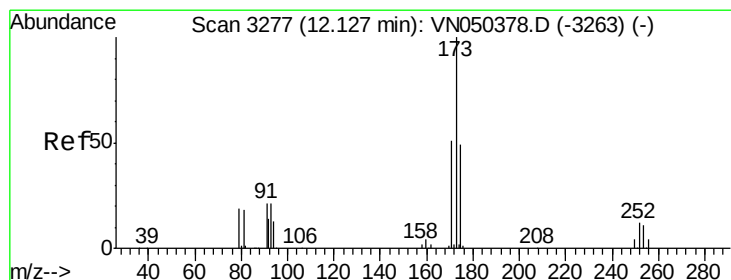
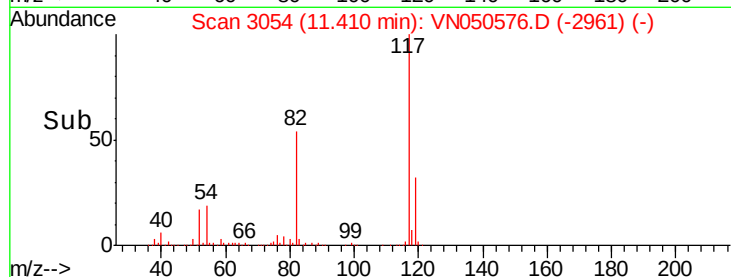
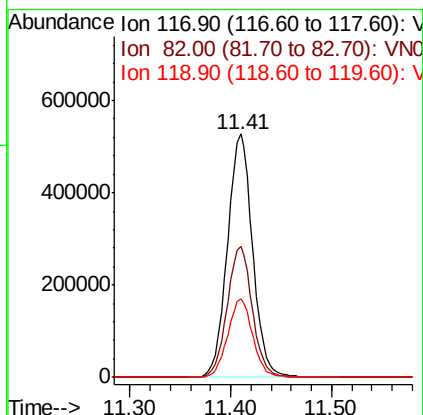
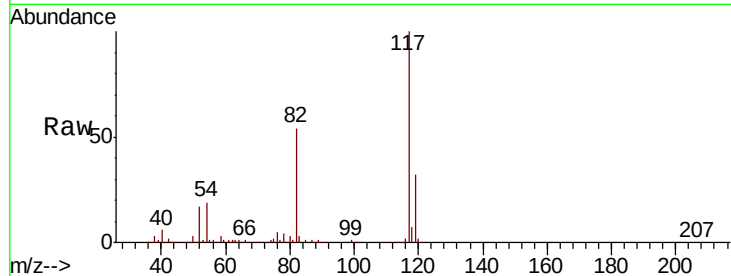




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050576.D
Acq: 13 Aug 2018 18:26

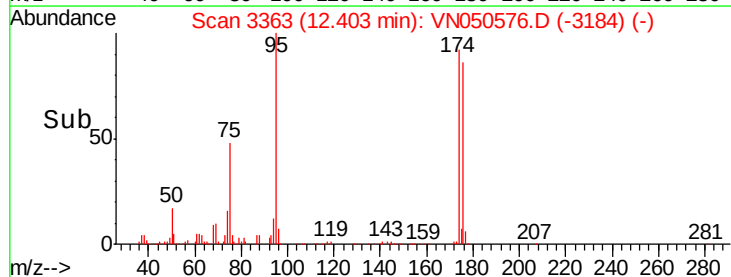
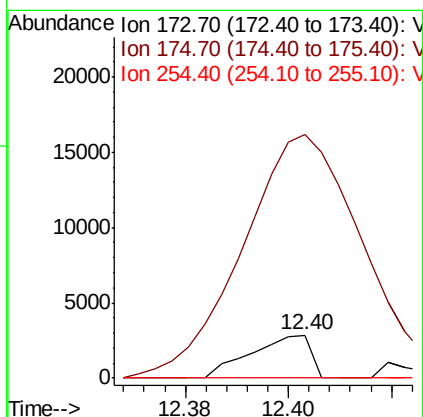
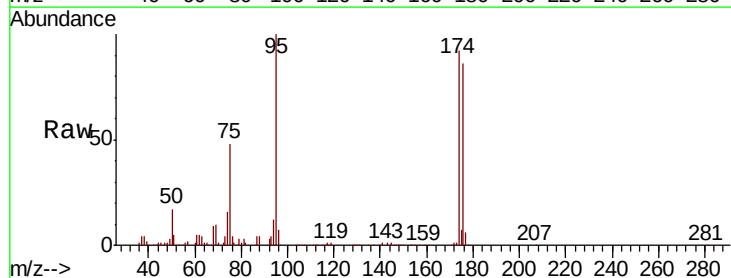
Instrument :
MSVOA_N
ClientSampleId :
PB111961ZHE#09

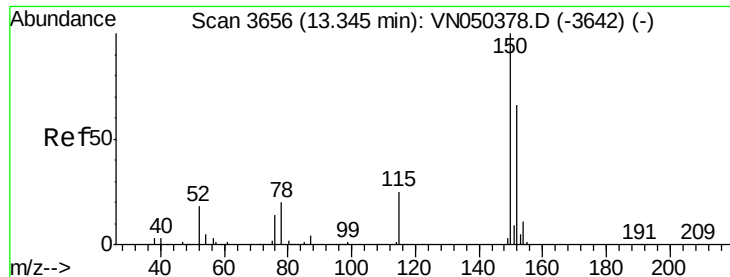
Tot Ion:117 Resp: 916306
Ion Ratio Lower Upper
117 100
82 53.7 43.7 65.5
119 32.2 26.1 39.1



#71
Bromoform
Concen: 0.38 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN050576.D
Acq: 13 Aug 2018 18:26

Tgt Ion:173 Resp: 2297
Ion Ratio Lower Upper
173 100
175 970.0 24.1 72.2#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050576.D

Acq: 13 Aug 2018 18:26

Instrument :

MSVOA_N

ClientSampleId :

PB111961ZHE#09

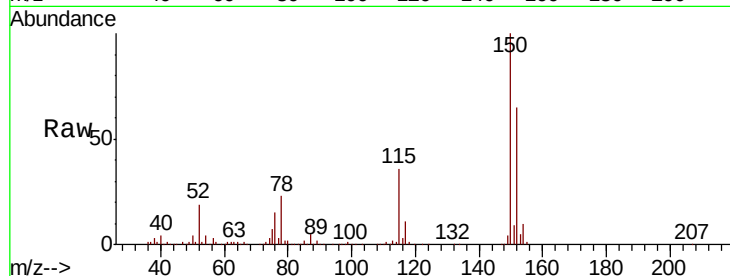
Tot Ion:152 Resp: 344377

Ion Ratio Lower Upper

152 100

115 56.7 27.8 83.3

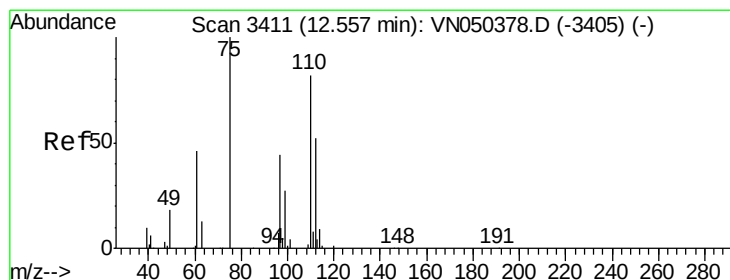
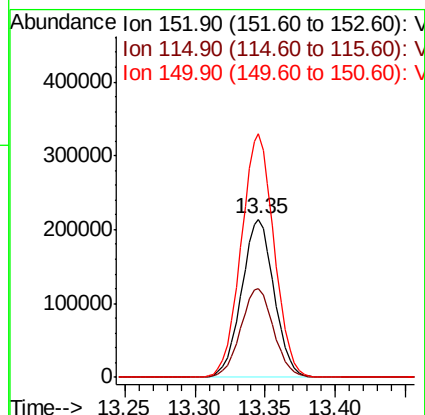
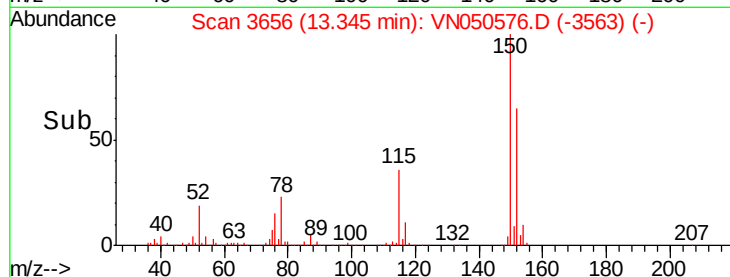
150 156.3 0.0 348.6



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: 31.70 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050576.D

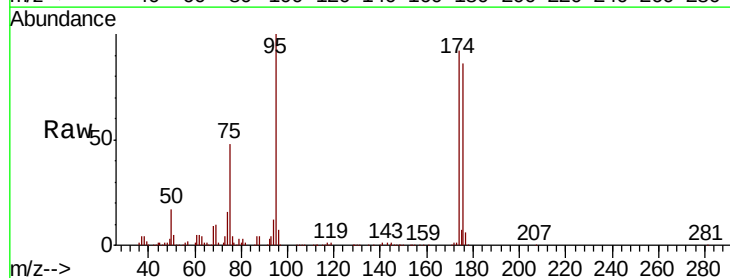
Acq: 13 Aug 2018 18:26

Tgt Ion: 75 Resp: 197632

Ion Ratio Lower Upper

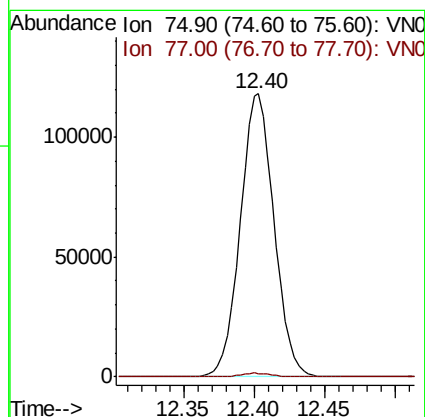
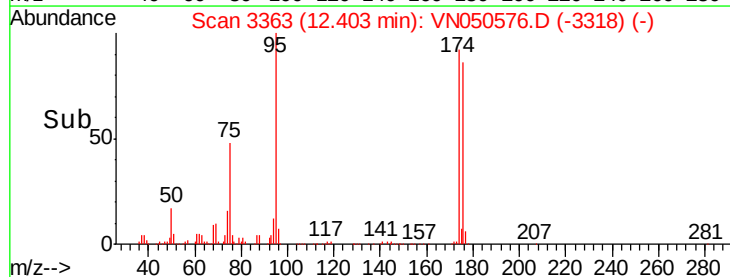
75 100

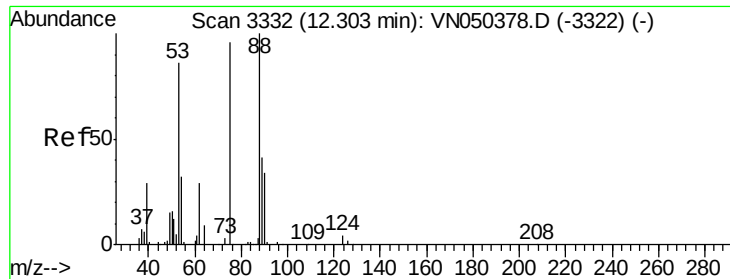
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

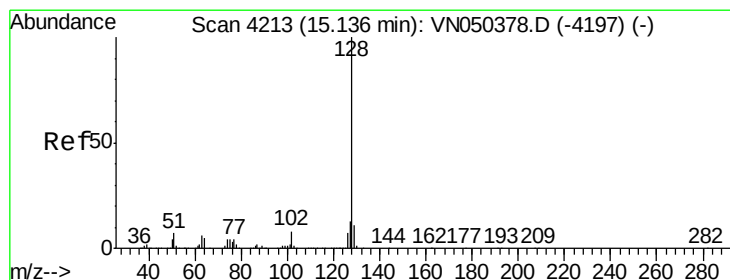
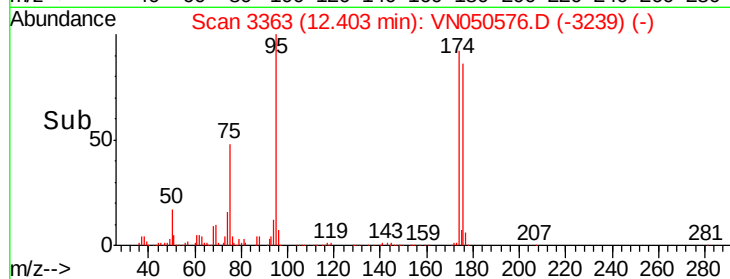
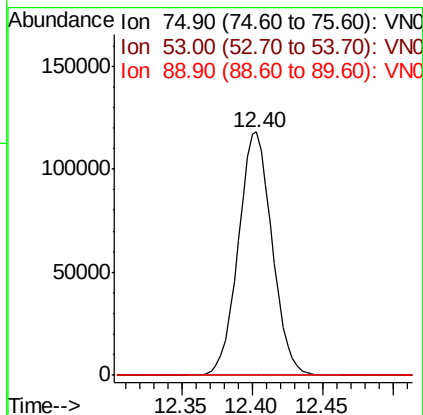
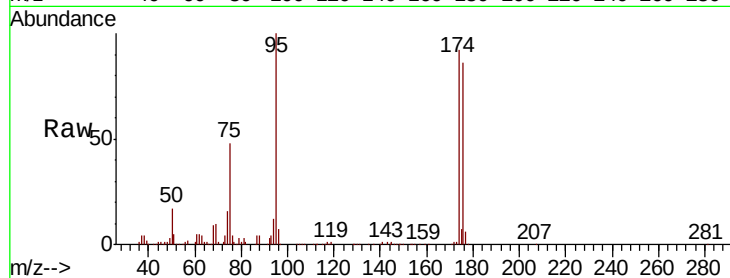




#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.40 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.10 min
 Lab File: VN050576.D
 Acq: 13 Aug 2018 18:26

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111961ZHE#09

Tot Ion: 75 Resp: 197632
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.5 110.3#
 89 0.0 36.0 54.0#



#95
 Naphthalene
 Concen: 3.63 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN050576.D
 Acq: 13 Aug 2018 18:26

Tgt Ion: 128 Resp: 253
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.4 15.6#
 129 0.0 8.8 13.2#

