

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050529.D
 Acq On : 10 Aug 2018 19:55
 Operator : MD\SY
 Sample : PB111921ZHE#08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111921ZHE#08

Quant Time: Aug 10 23:19:51 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	655068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1112207	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	963964	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	366616	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	462576	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	
35) Dibromofluoromethane	7.59	113	421711	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	
50) Toluene-d8	10.09	98	1517994	45.24	ug/l	0.00
Spiked Amount			Recovery	=	90.48%	
62) 4-Bromofluorobenzene	12.40	95	433220	37.88	ug/l	0.00
Spiked Amount			Recovery	=	75.76%	

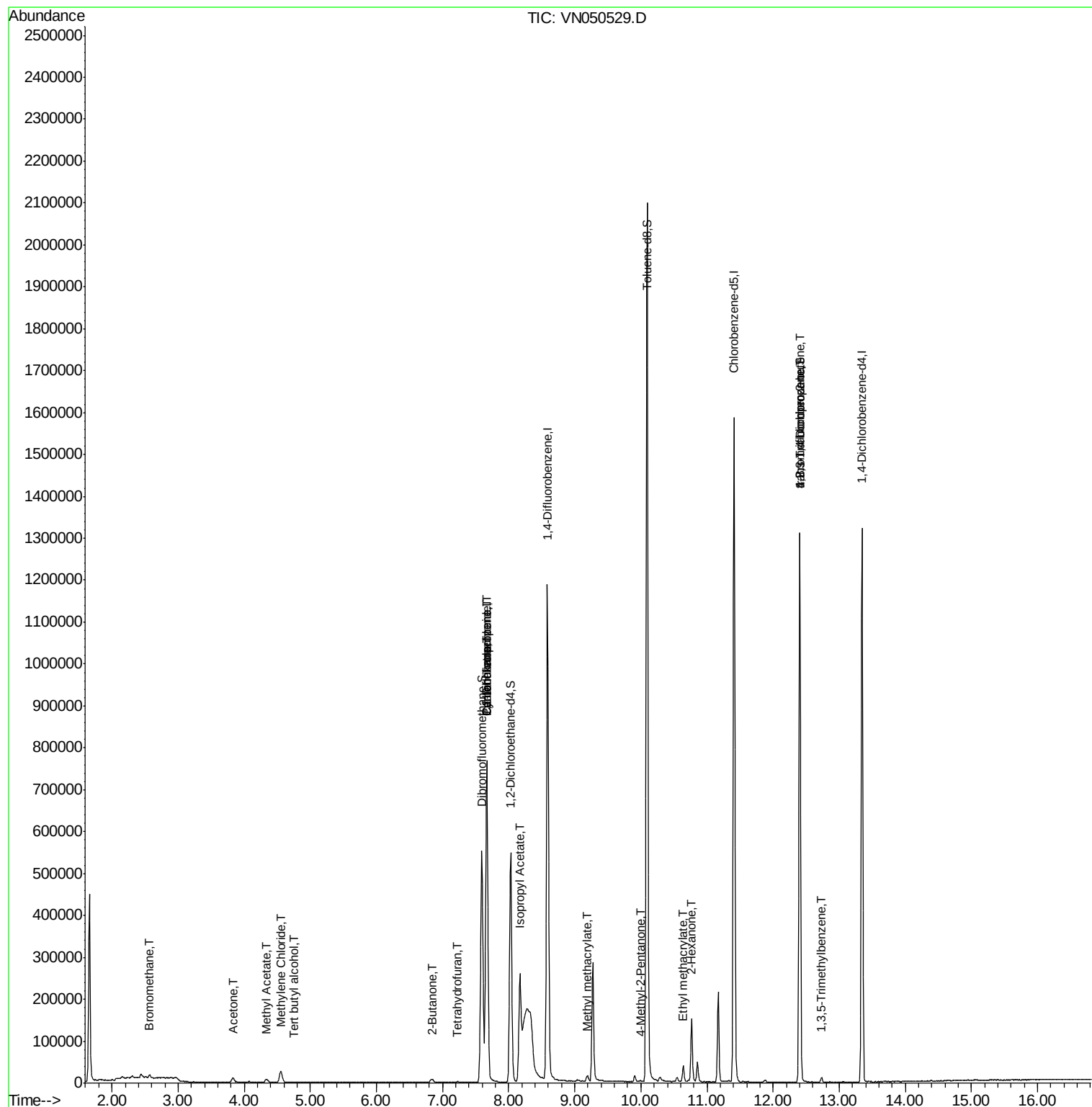
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2644	Below Cal		98
5) Bromomethane	2.57	94	3282	0.89 ug/l		96
11) Tert butyl alcohol	4.77	59	150	0.21 ug/l #		72
16) Acetone	3.82	43	19167	6.99 ug/l		100
18) Methyl Acetate	4.34	43	15094	2.04 ug/l		97
20) Methylene Chloride	4.55	84	21040	1.12 ug/l		97
25) 2-Butanone	6.85	43	3275	0.76 ug/l		90
29) Tetrahydrofuran	7.22	42	1462	0.63 ug/l #		53
31) Cyclohexane	7.67	56	12679	0.39 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	46272	3.79 ug/l #		48
38) Carbon Tetrachloride	7.67	117	59734	4.69 ug/l #		16
43) Isopropyl Acetate	8.17	43	329403	21.68 ug/l		95
48) Methyl methacrylate	9.18	41	8223	1.08 ug/l #		22
51) 4-Methyl-2-Pentanone	9.99	43	2190	0.20 ug/l #		85
56) Ethyl methacrylate	10.64	69	526	1.75 ug/l #		1
59) 2-Hexanone	10.77	43	21687	2.84 ug/l #		60
76) 1,2,3-Trichloropropane	12.40	75	209058	31.50 ug/l #		100
80) 1,3,5-Trimethylbenzene	12.73	105	4711	0.21 ug/l		99
81) trans-1,4-Dichloro-2-buten	12.40	75	209058	110.69 ug/l #		13

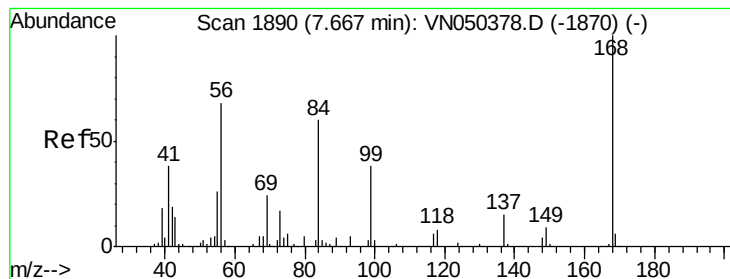
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050529.D

Acq: 10 Aug 2018 19:55

Instrument :

MSVOA_N

ClientSampleId :

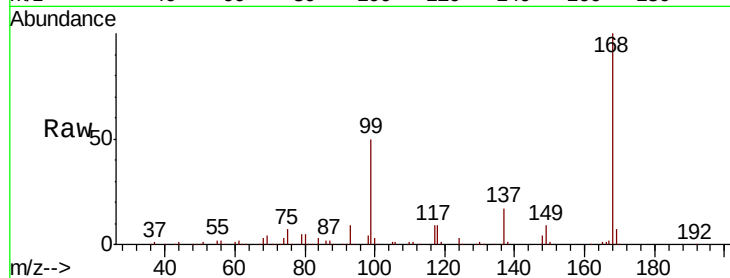
PB111921ZHE#08

Tot Ion:168 Resp: 655068

Ion Ratio Lower Upper

168 100

99 50.4 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

300000

250000

200000

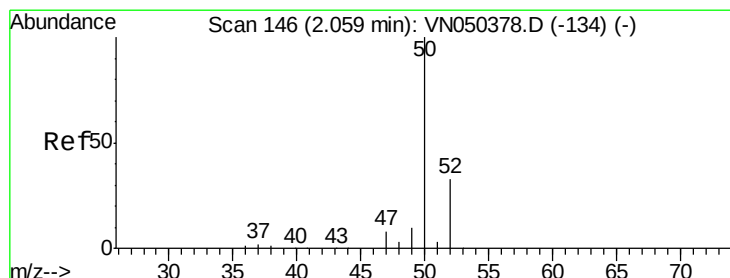
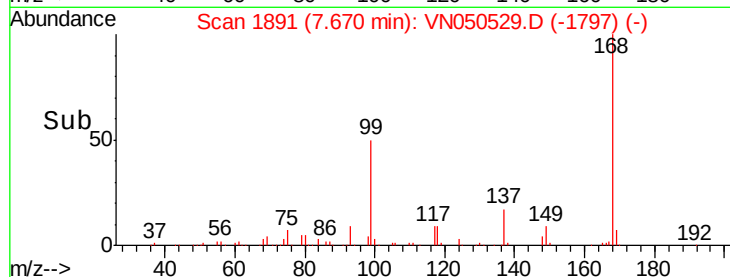
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050529.D

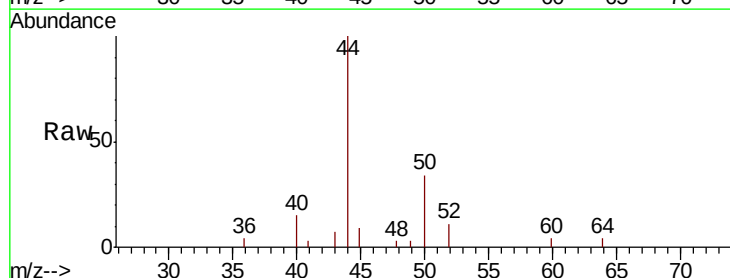
Acq: 10 Aug 2018 19:55

Tgt Ion: 50 Resp: 2644

Ion Ratio Lower Upper

50 100

52 31.6 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

2000

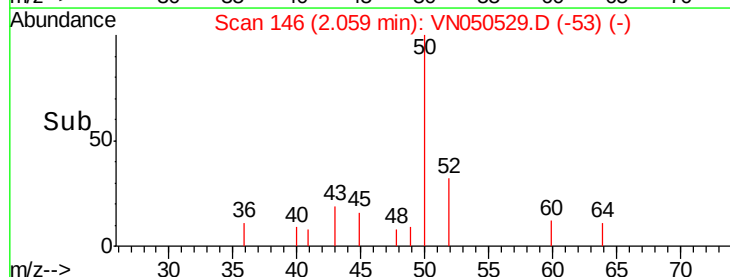
1500

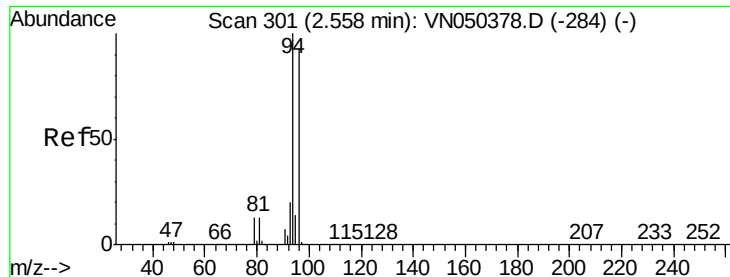
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.89 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050529.D

Acq: 10 Aug 2018 19:55

Instrument :

MSVOA_N

ClientSampleId :

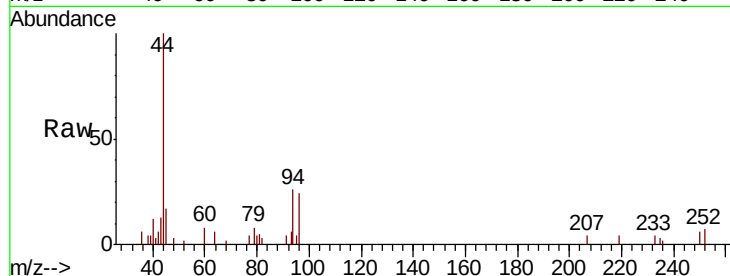
PB111921ZHE#08

Tot Ion: 94 Resp: 3282

Ion Ratio Lower Upper

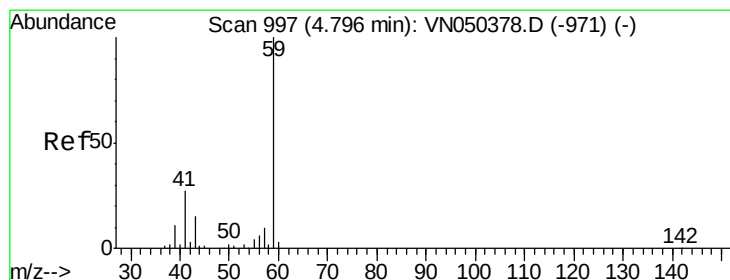
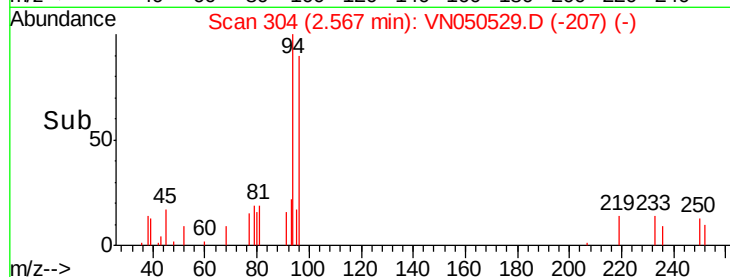
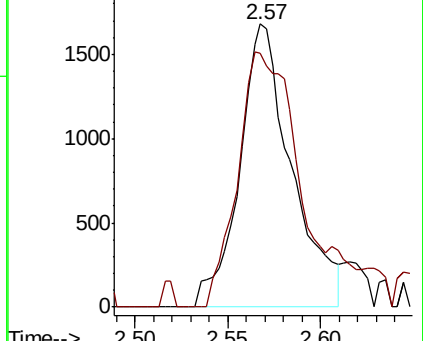
94 100

96 89.6 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#11

Tert butyl alcohol

Concen: 0.21 ug/l

RT: 4.77 min Scan# 988

Delta R.T. -0.03 min

Lab File: VN050529.D

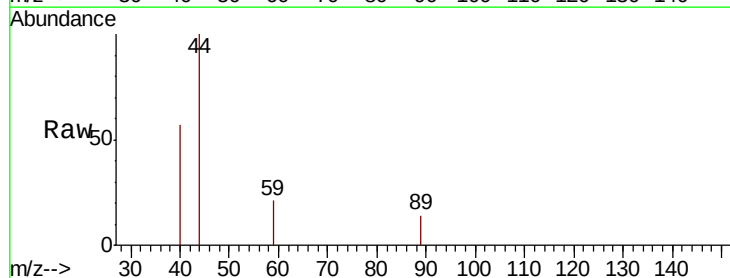
Acq: 10 Aug 2018 19:55

Tgt Ion: 59 Resp: 150

Ion Ratio Lower Upper

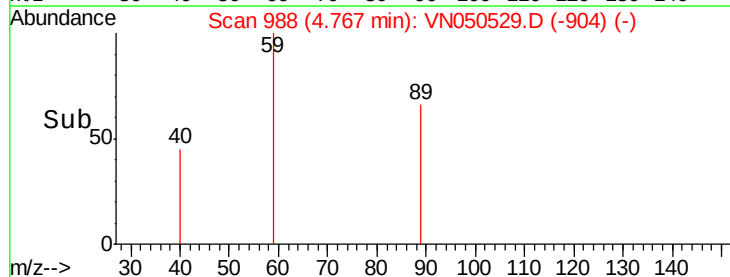
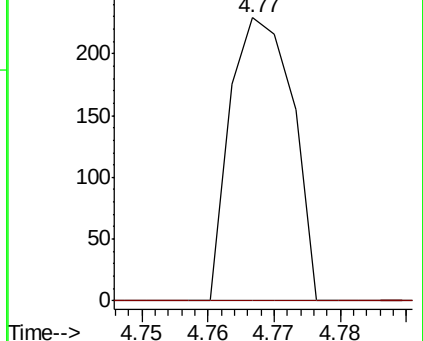
59 100

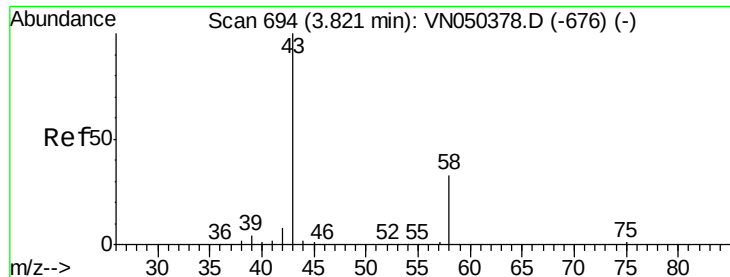
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#16

Acetone

Concen: 6.99 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050529.D

Acq: 10 Aug 2018 19:55

Instrument :

MSVOA_N

ClientSampleId :

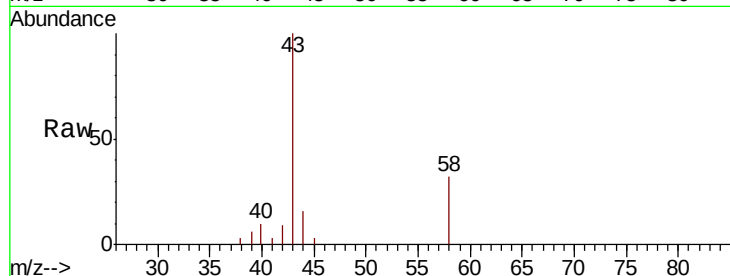
PB111921ZHE#08

Tot Ion: 43 Resp: 19167

Ion Ratio Lower Upper

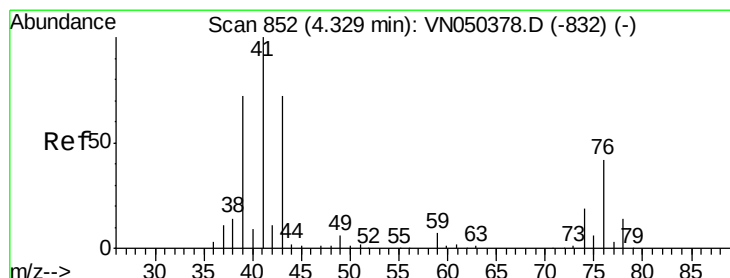
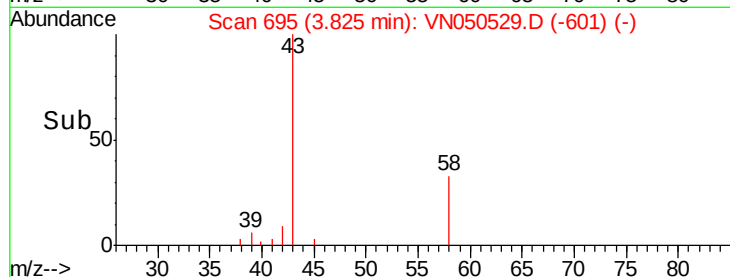
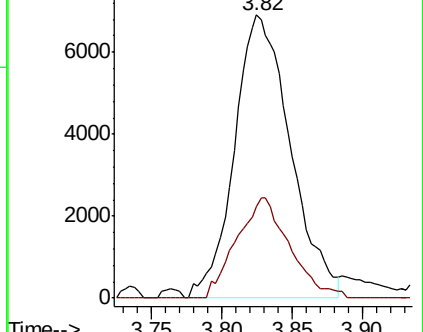
43 100

58 32.2 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-676) (-)

Ion 58.00 (57.70 to 58.70): VN050378.D (-676) (-)



#18

Methyl Acetate

Concen: 2.04 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN050529.D

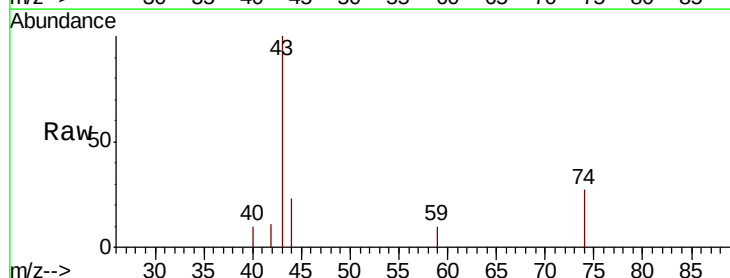
Acq: 10 Aug 2018 19:55

Tgt Ion: 43 Resp: 15094

Ion Ratio Lower Upper

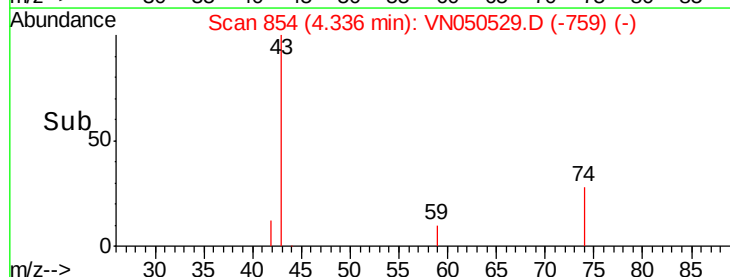
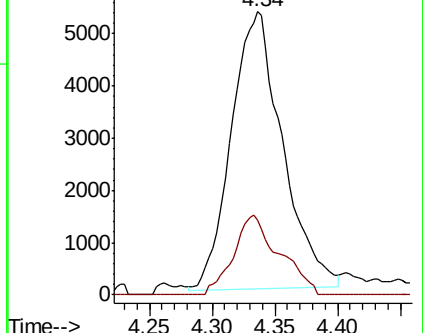
43 100

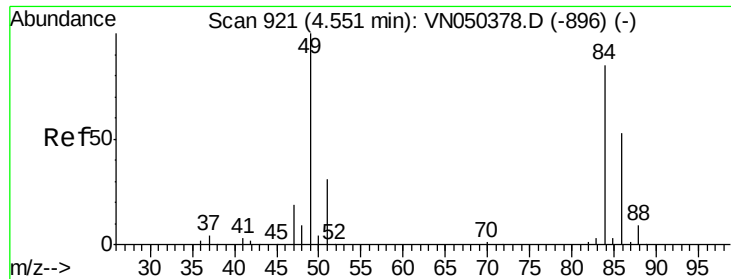
74 25.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-832) (-)

Ion 74.00 (73.70 to 74.70): VN050378.D (-832) (-)

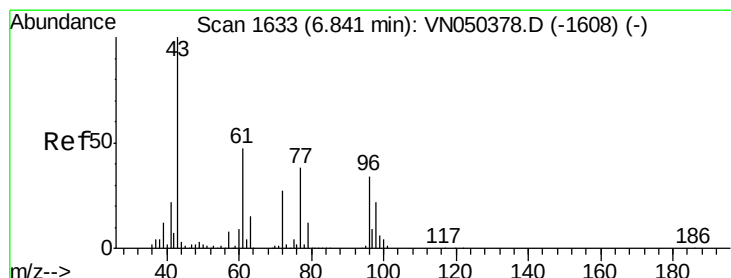
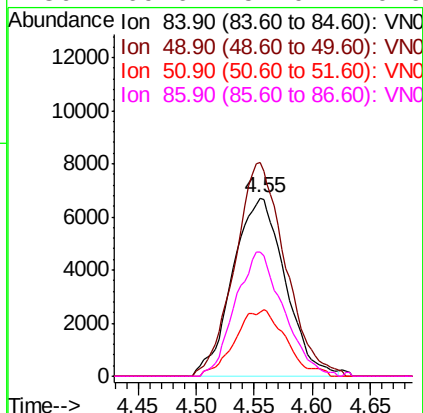
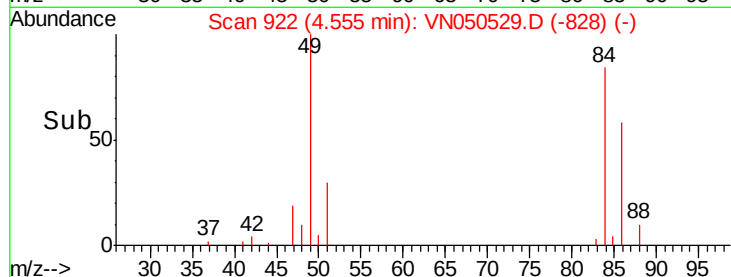
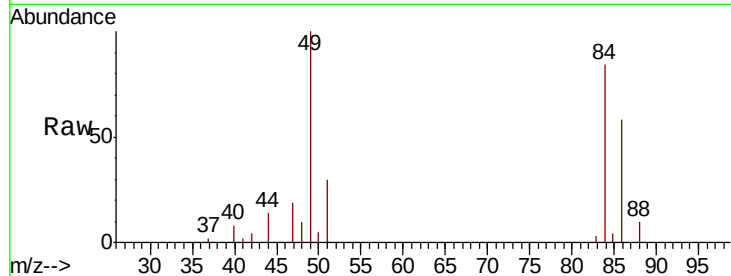




#20
Methvlene Chloride
Concen: 1.12 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050529.D
Acq: 10 Aug 2018 19:55

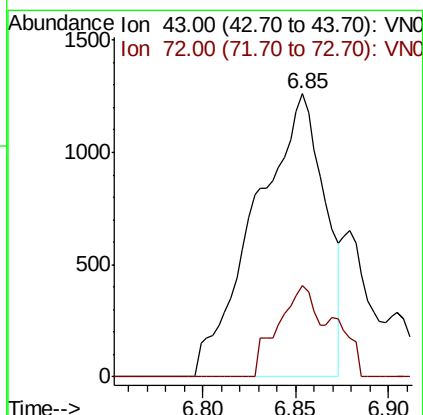
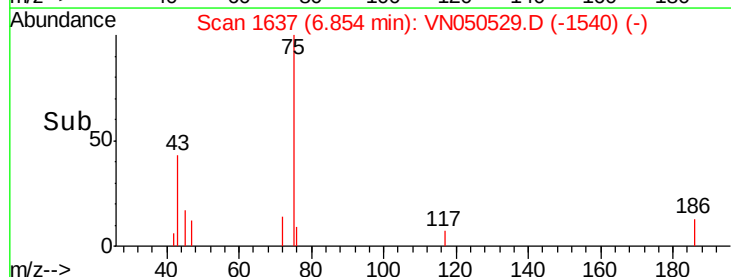
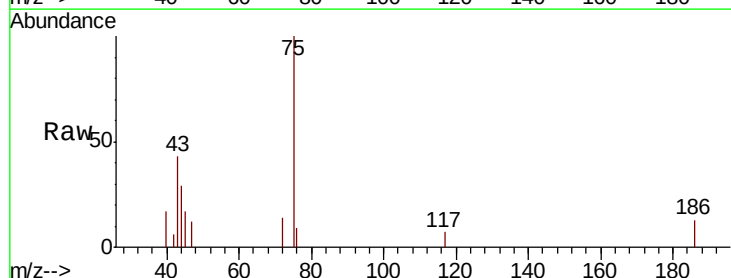
Instrument :
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ClientSampleId :
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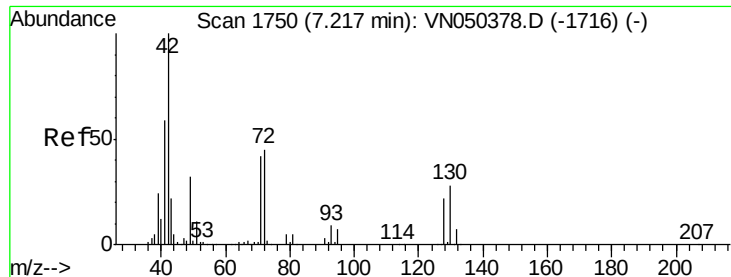
Tot Ion:	84	Resp:	21040
Ion	Ratio	Lower	Upper
84	100		
49	119.8	94.8	142.2
51	35.7	28.3	42.5
86	69.6	51.0	76.6



#25
2-Butanone
Concen: 0.76 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN050529.D
Acq: 10 Aug 2018 19:55

Tgt Ion:	43	Resp:	3275
Ion	Ratio	Lower	Upper
43	100		
72	32.2	21.5	32.3

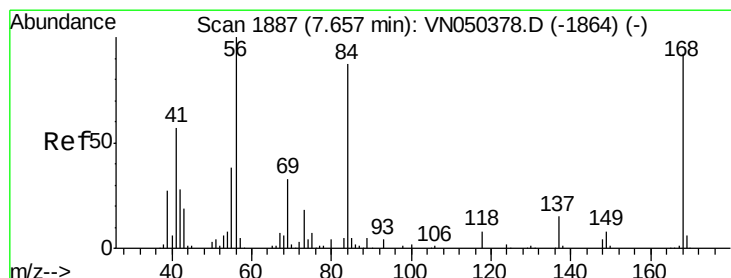
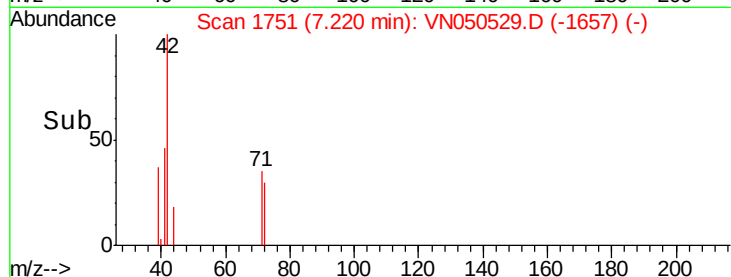
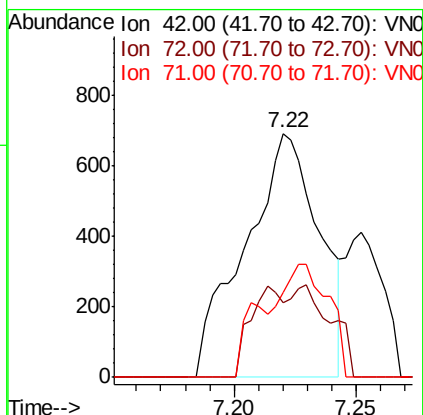
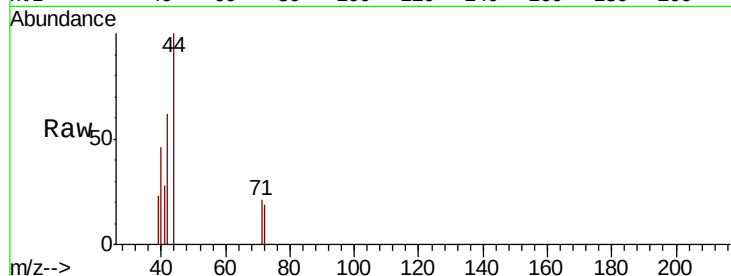




#29
Tetrahydrofuran
Concen: 0.63 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050529.D
Acq: 10 Aug 2018 19:55

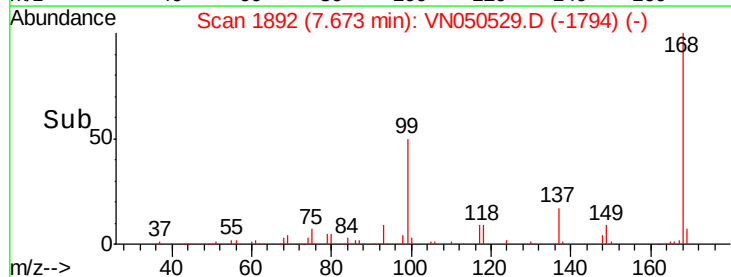
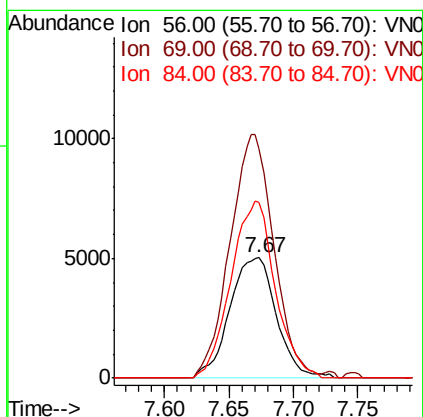
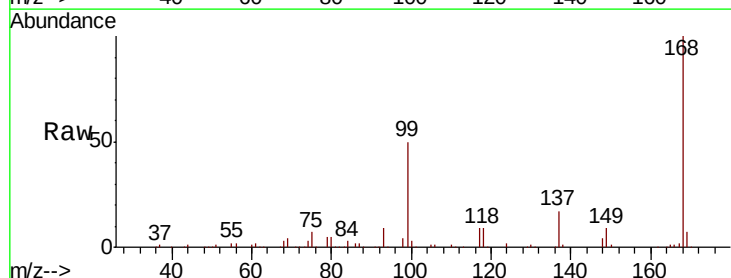
Instrument :
MSVOA_N
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PB111921ZHE#08

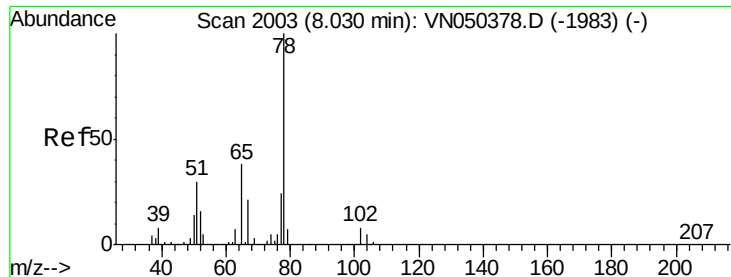
Tot Ion: 42 Resp: 1462
Ion Ratio Lower Upper
42 100
72 16.3 35.9 53.9#
71 9.8 33.7 50.5#



#31
Cyclohexane
Concen: 0.39 ug/l
RT: 7.67 min Scan# 1892
Delta R.T. 0.02 min
Lab File: VN050529.D
Acq: 10 Aug 2018 19:55

Tgt Ion: 56 Resp: 12679
Ion Ratio Lower Upper
56 100
69 191.3 26.2 39.4#
84 146.1 67.4 101.0#

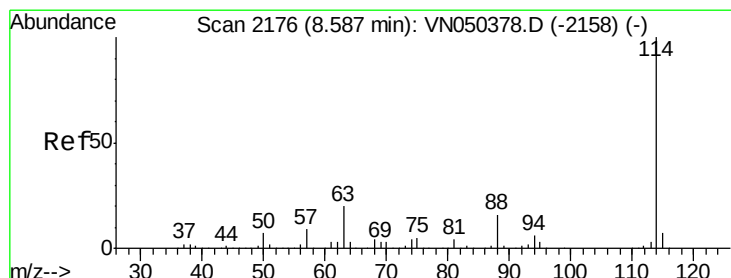
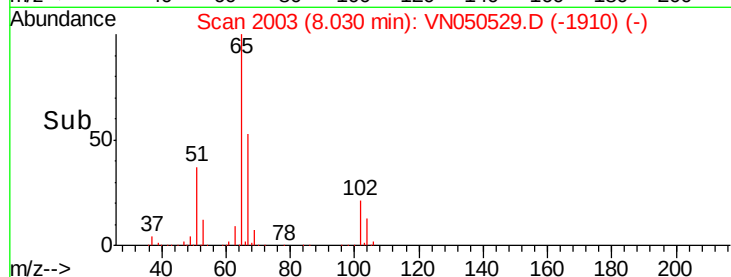
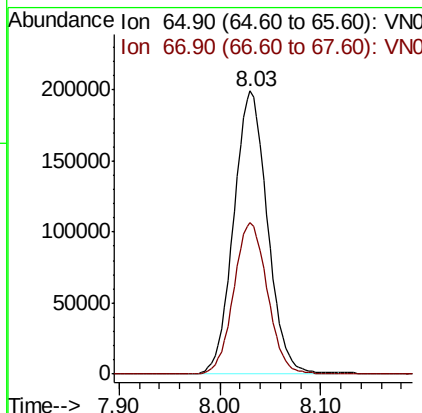
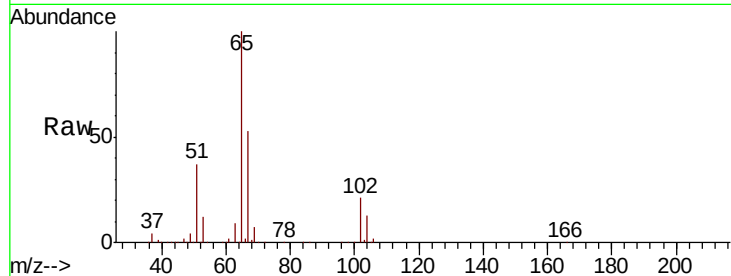




#33
 1,2-Dichloroethane-d4
 Concen: 52.85 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050529.D
 Acq: 10 Aug 2018 19:55

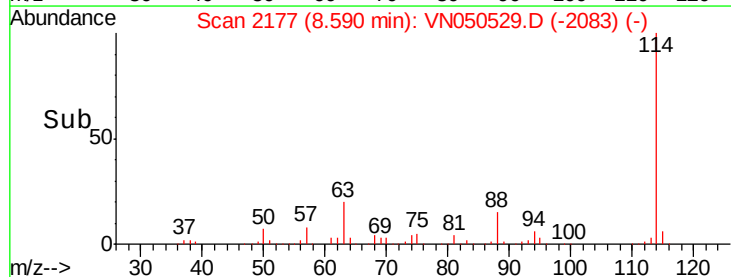
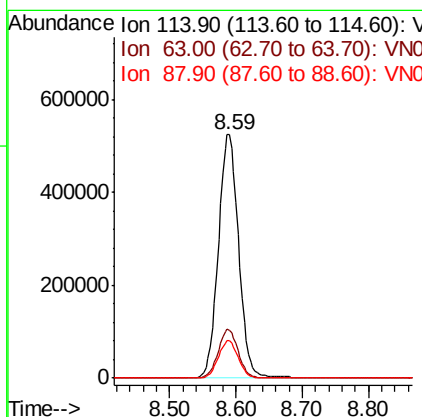
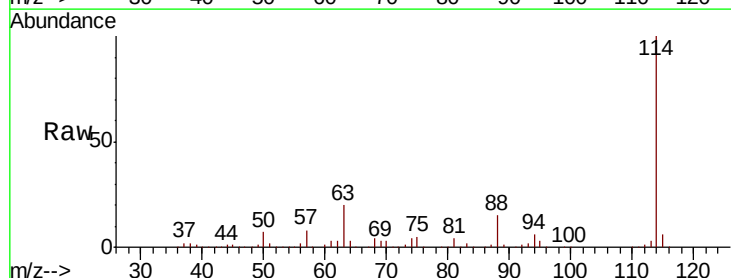
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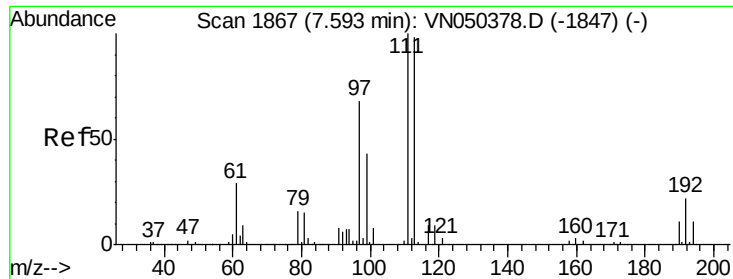
Tot Ion: 65 Resp: 462576
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050529.D
 Acq: 10 Aug 2018 19:55

Tgt Ion: 114 Resp: 1112207
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 15.2 0.0 31.2

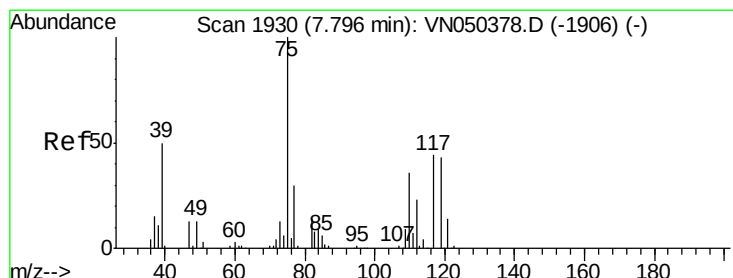
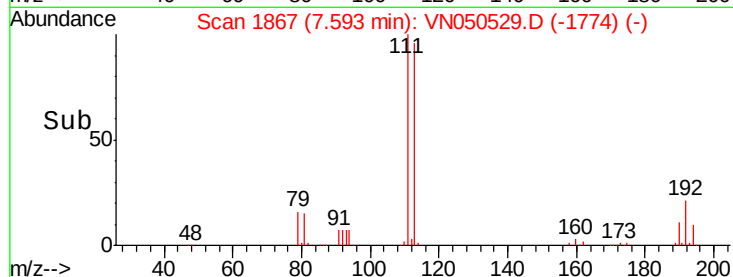
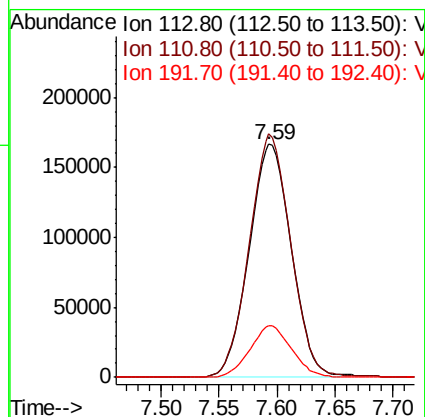
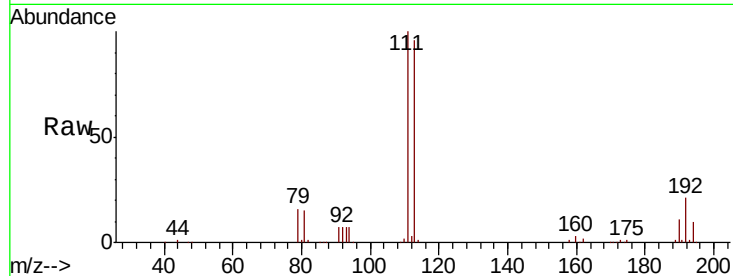




#35
 Dibromofluoromethane
 Concen: 47.25 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050529.D
 Acq: 10 Aug 2018 19:55

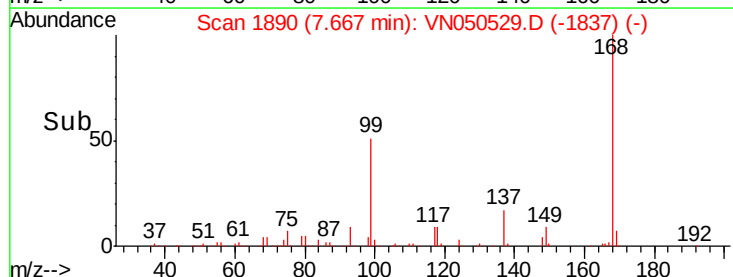
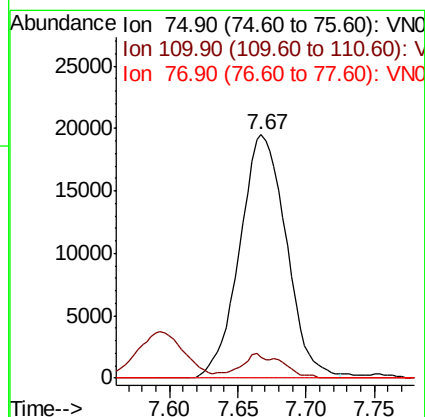
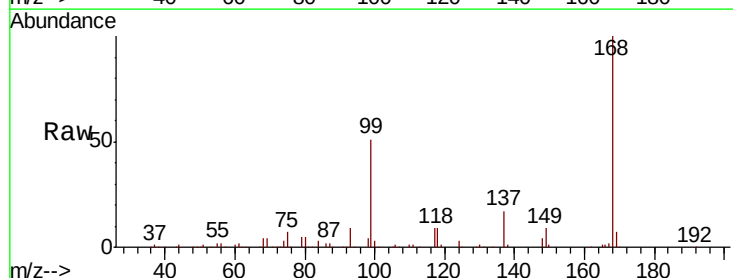
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111921ZHE#08

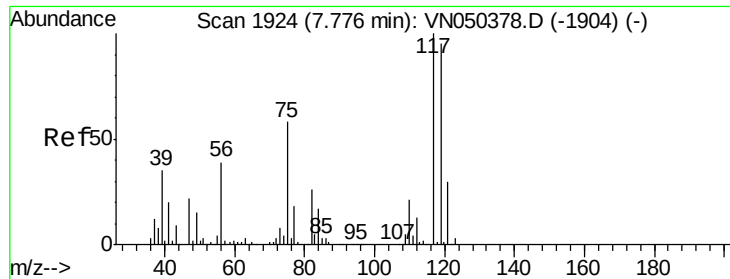
Tot Ion:113 Resp: 421711
 Ion Ratio Lower Upper
 113 100
 111 103.1 80.7 121.1
 192 21.9 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.79 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050529.D
 Acq: 10 Aug 2018 19:55

Tgt Ion: 75 Resp: 46272
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.4 55.2#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 4.69 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050529.D

Acq: 10 Aug 2018 19:55

Instrument :

MSVOA_N

ClientSampleId :

PB111921ZHE#08

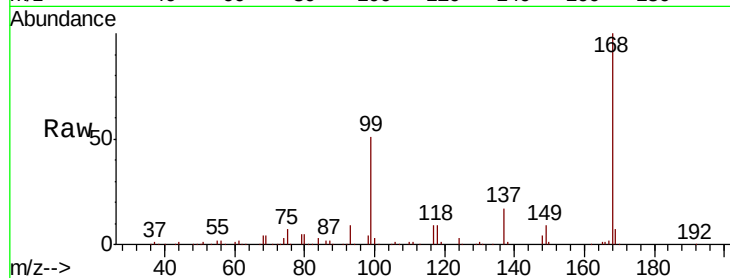
Tot Ion:117 Resp: 59734

Ion Ratio Lower Upper

117 100

119 6.2 77.4 116.0#

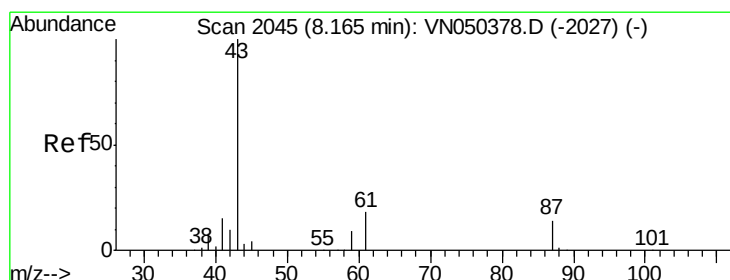
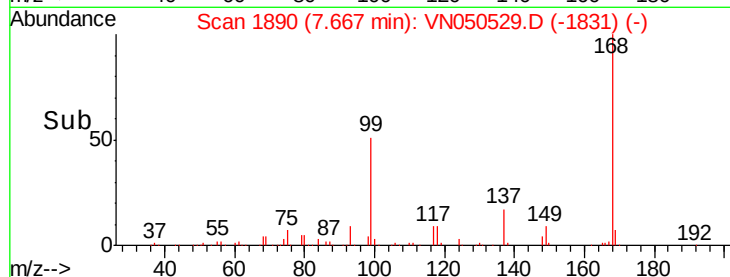
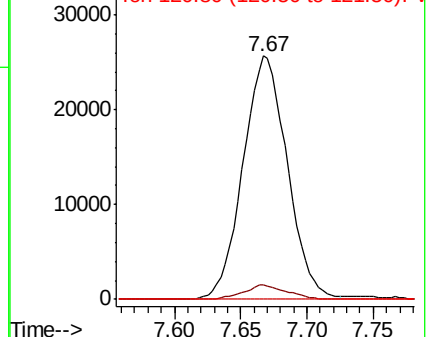
121 0.0 23.9 35.9#



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: 21.68 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050529.D

Acq: 10 Aug 2018 19:55

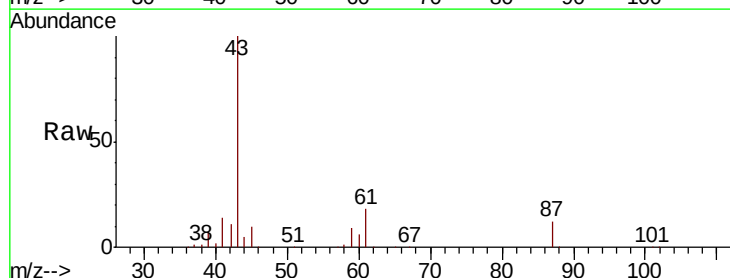
Tgt Ion: 43 Resp: 329403

Ion Ratio Lower Upper

43 100

61 17.0 15.8 23.6

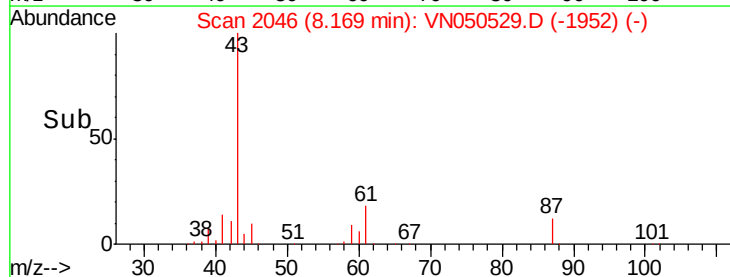
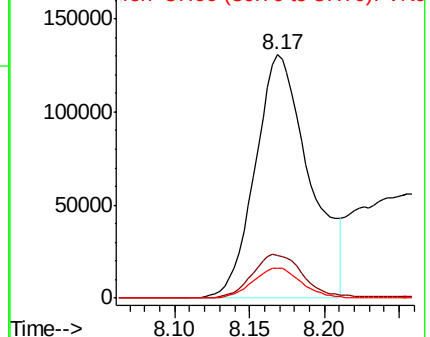
87 11.0 10.3 15.5

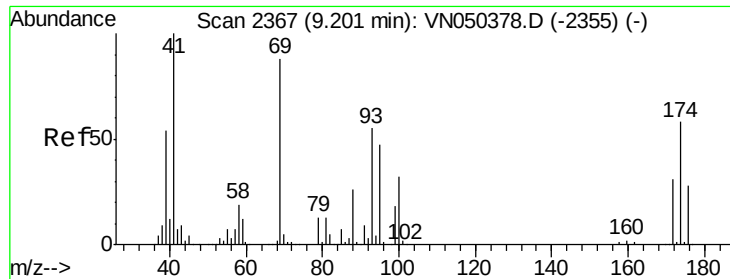


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

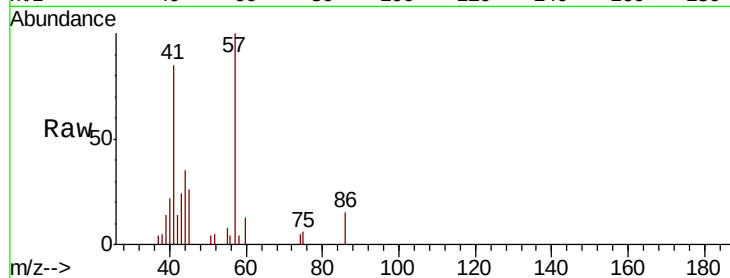




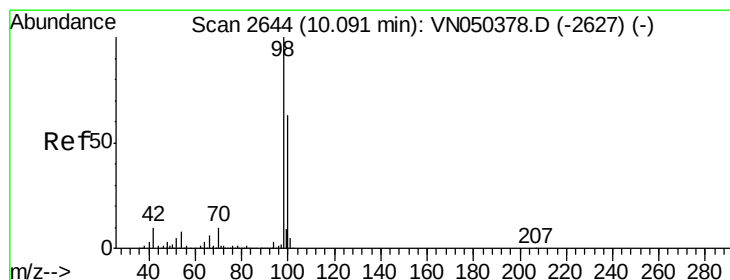
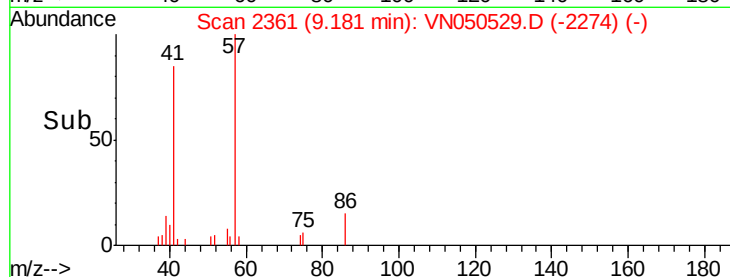
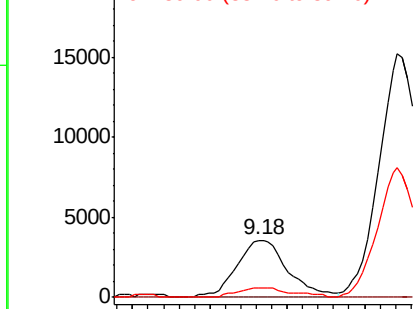
#48
Methvl methacrylate
Concen: 1.08 ug/l
RT: 9.18 min Scan# 2361
Delta R.T. -0.02 min
Lab File: VN050529.D
Acq: 10 Aug 2018 19:55

Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#08

Tot Ion: 41 Resp: 8223
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 17.6 43.9 65.9#

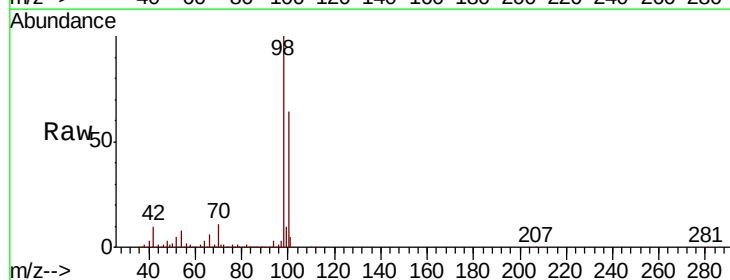


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

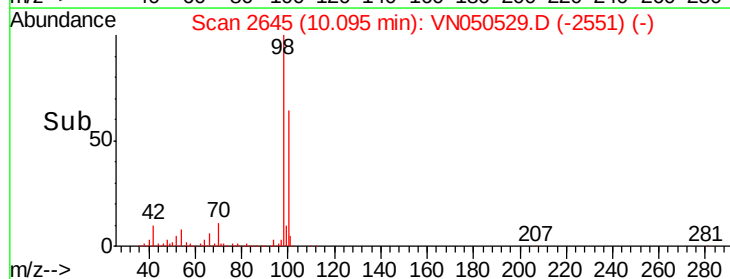
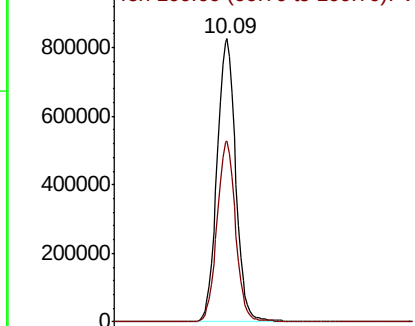


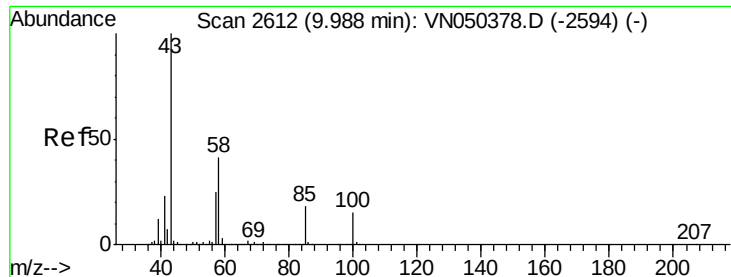
#50
Toluene-d8
Concen: 45.24 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050529.D
Acq: 10 Aug 2018 19:55

Tgt Ion: 98 Resp: 1517994
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

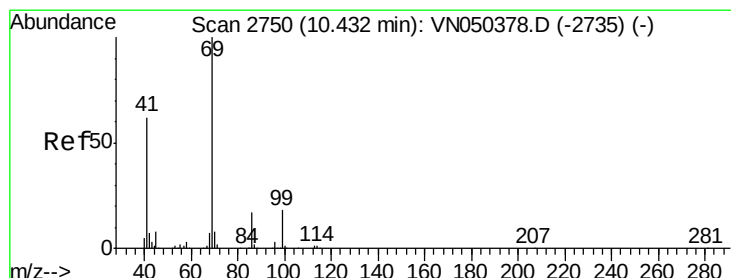
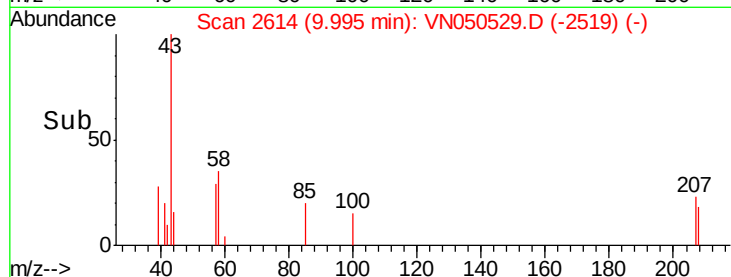
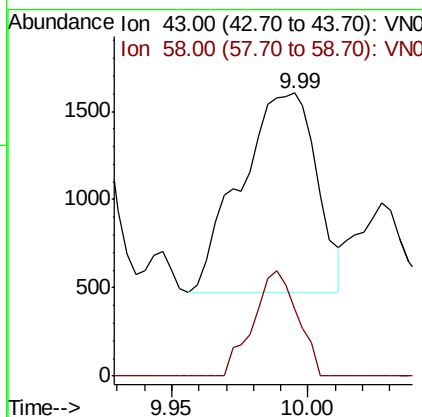
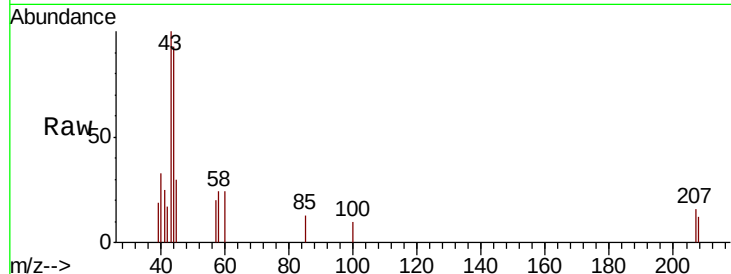




#51
 4-Methyl-2-Pentanone
 Concen: 0.20 ug/l
 RT: 9.99 min Scan# 2614
 Delta R.T. 0.01 min
 Lab File: VN050529.D
 Acq: 10 Aug 2018 19:55

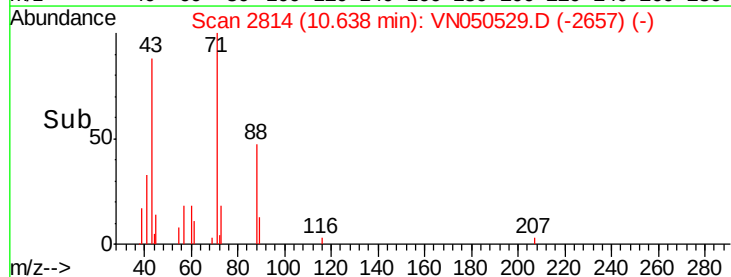
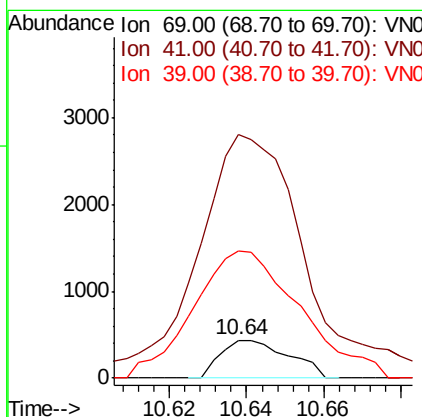
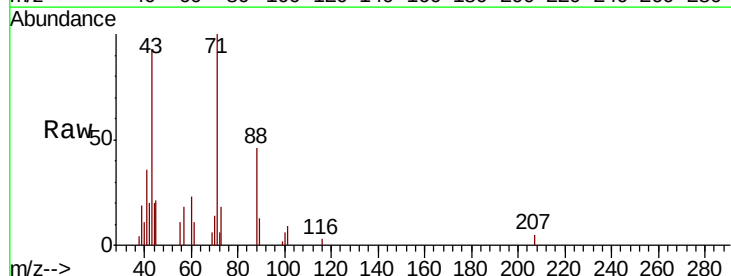
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111921ZHE#08

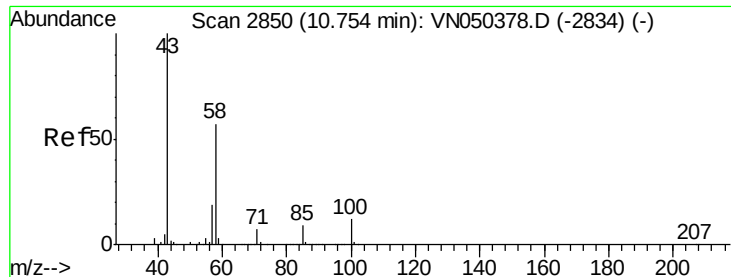
Tot Ion: 43 Resp: 2190
 Ion Ratio Lower Upper
 43 100
 58 30.5 31.9 47.9#



#56
 Ethyl methacrylate
 Concen: 1.75 ug/l
 RT: 10.64 min Scan# 2814
 Delta R.T. 0.21 min
 Lab File: VN050529.D
 Acq: 10 Aug 2018 19:55

Tgt Ion: 69 Resp: 526
 Ion Ratio Lower Upper
 69 100
 41 889.9 51.0 76.4#
 39 534.6 26.6 40.0#

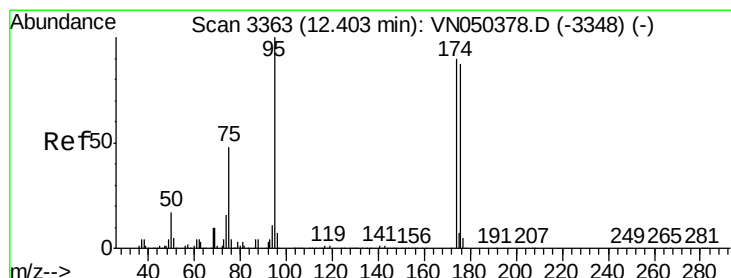
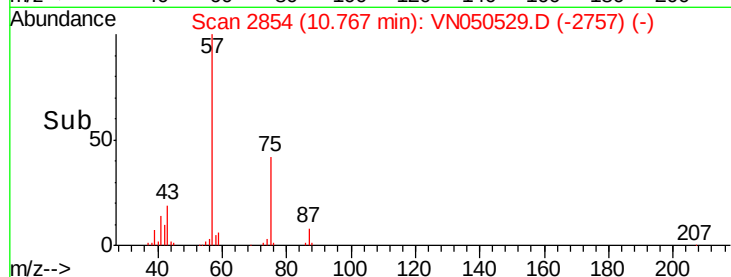
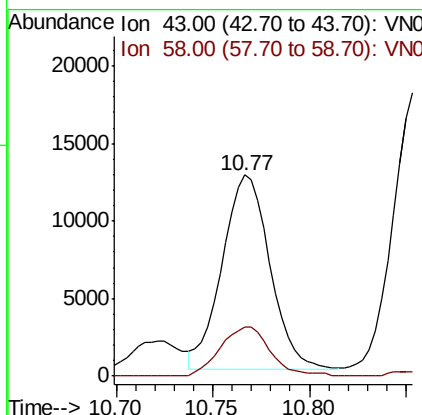
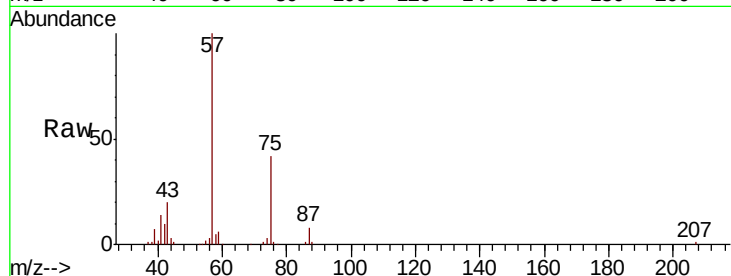




#59
2-Hexanone
Concen: 2.84 ug/l
RT: 10.77 min Scan# 2854
Delta R.T. 0.01 min
Lab File: VN050529.D
Acq: 10 Aug 2018 19:55

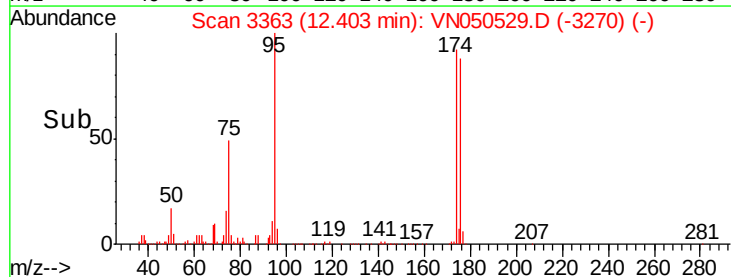
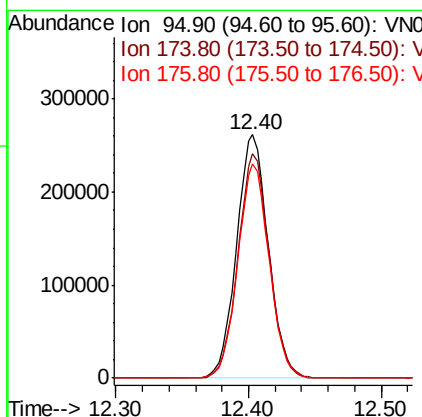
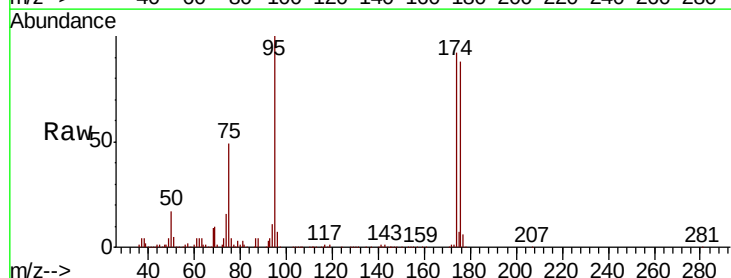
Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#08

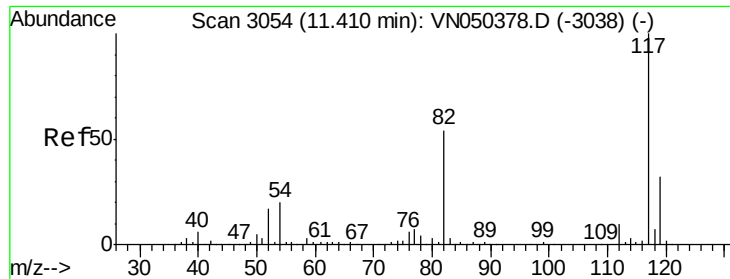
Tot Ion: 43 Resp: 21687
Ion Ratio Lower Upper
43 100
58 26.4 27.6 82.7#



#62
4-Bromofluorobenzene
Concen: 37.88 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050529.D
Acq: 10 Aug 2018 19:55

Tgt Ion: 95 Resp: 433220
Ion Ratio Lower Upper
95 100
174 91.2 0.0 178.2
176 87.1 0.0 173.4

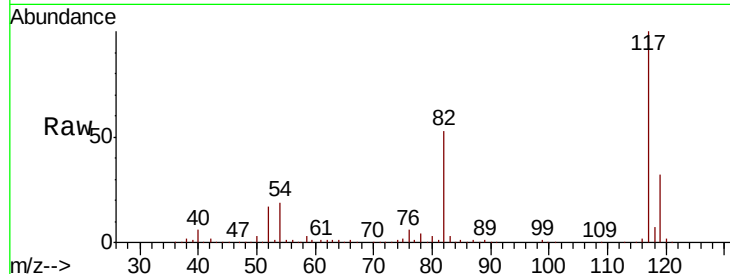




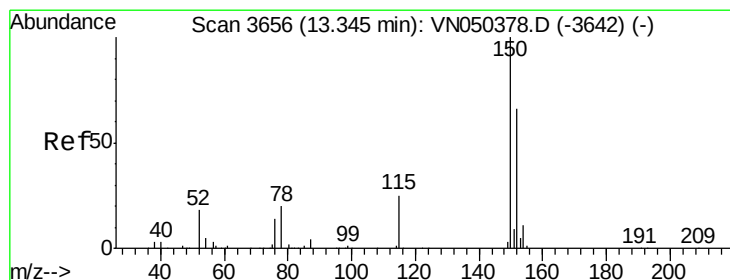
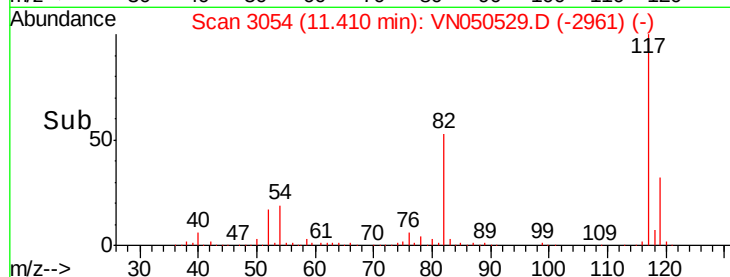
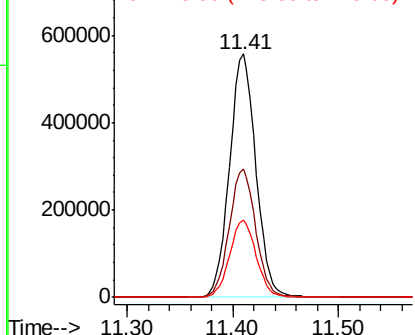
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050529.D
Acq: 10 Aug 2018 19:55

Instrument :
MSVOA_N
ClientSampleId :
PB111921ZHE#08

Tot Ion:117 Resp: 963964
Ion Ratio Lower Upper
117 100
82 52.6 43.7 65.5
119 31.6 26.1 39.1

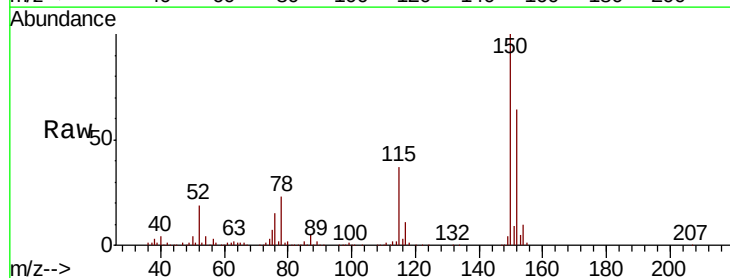


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

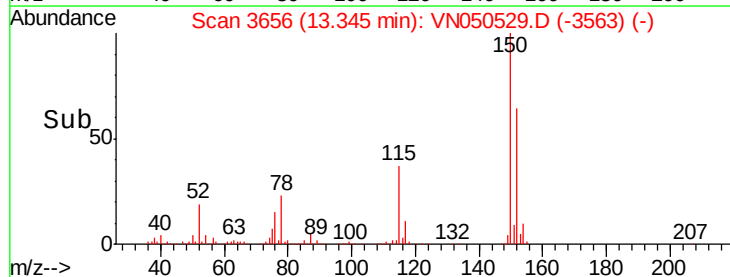
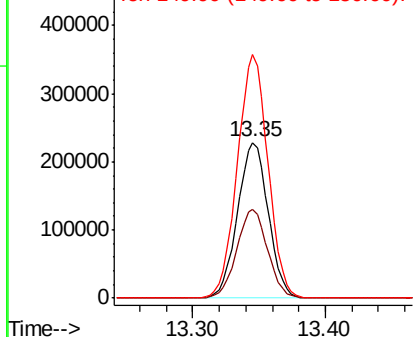


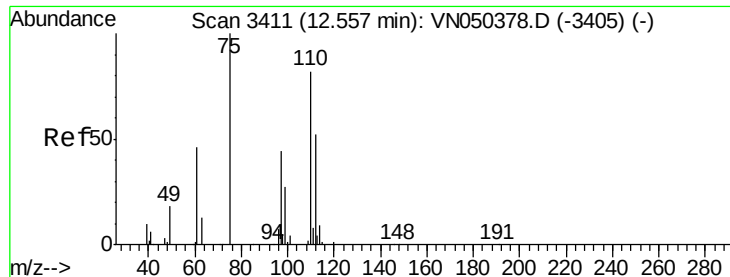
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050529.D
Acq: 10 Aug 2018 19:55

Tgt Ion:152 Resp: 366616
Ion Ratio Lower Upper
152 100
115 57.1 27.8 83.3
150 156.4 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: 31.50 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050529.D

Acq: 10 Aug 2018 19:55

Instrument :

MSVOA_N

ClientSampleId :

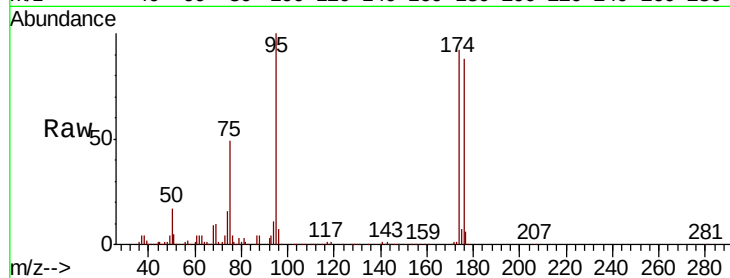
PB111921ZHE#08

Tot Ion: 75 Resp: 209058

Ion Ratio Lower Upper

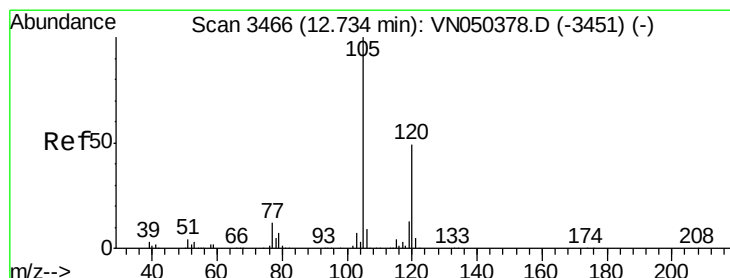
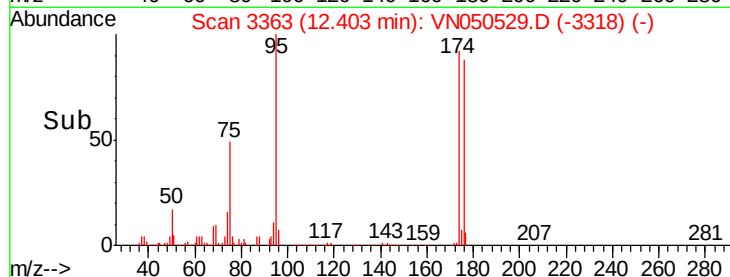
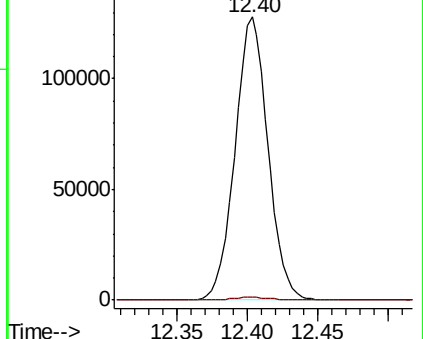
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN050529.D (-3363) (-)

Ion 77.00 (76.70 to 77.70): VN050529.D (-3363) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.21 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050529.D

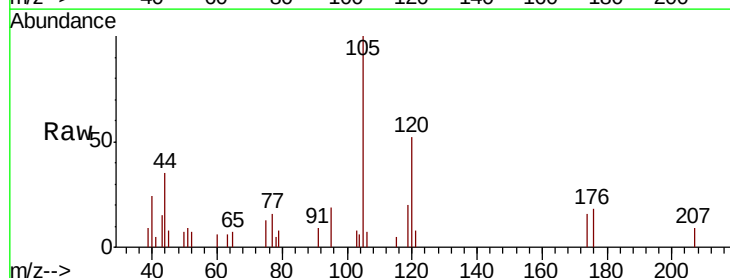
Acq: 10 Aug 2018 19:55

Tgt Ion: 105 Resp: 4711

Ion Ratio Lower Upper

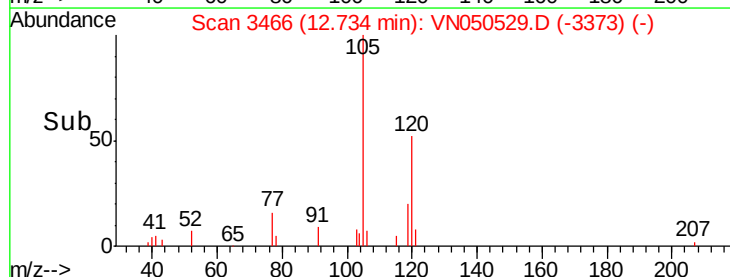
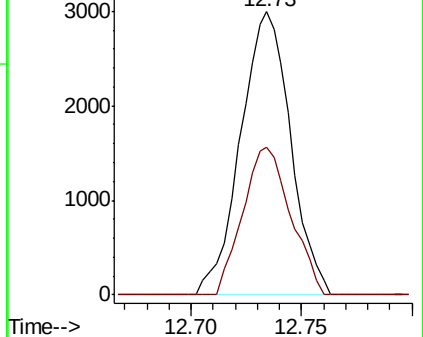
105 100

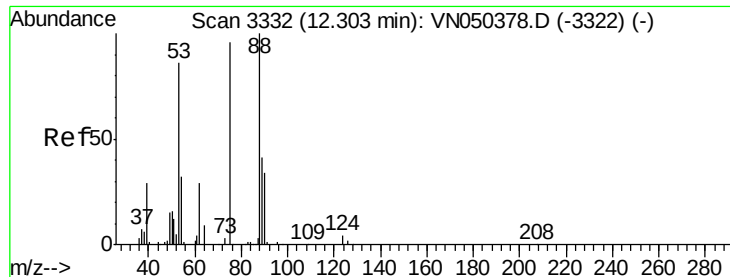
120 49.8 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050529.D (-3466) (-)

Ion 120.00 (119.70 to 120.70): VN050529.D (-3466) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 110.69 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050529.D

Acq: 10 Aug 2018 19:55

Instrument :

MSVOA_N

ClientSampleId :

PB111921ZHE#08

Tot Ion: 75 Resp: 209058

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

89 0.0 36.0 54.0#

