

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061119\
 Data File : VN056220.D
 Acq On : 11 Jun 2019 13:57
 Operator : JC/SP
 Sample : K3284-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW306D-20190609

Quant Time: Jun 12 06:33:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	298634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	444671	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	431064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	131065	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	158116	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	
35) Dibromofluoromethane	7.59	113	143941	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	
50) Toluene-d8	10.09	98	567387	54.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.10%	
62) 4-Bromofluorobenzene	12.40	95	176883	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	

Target Compounds

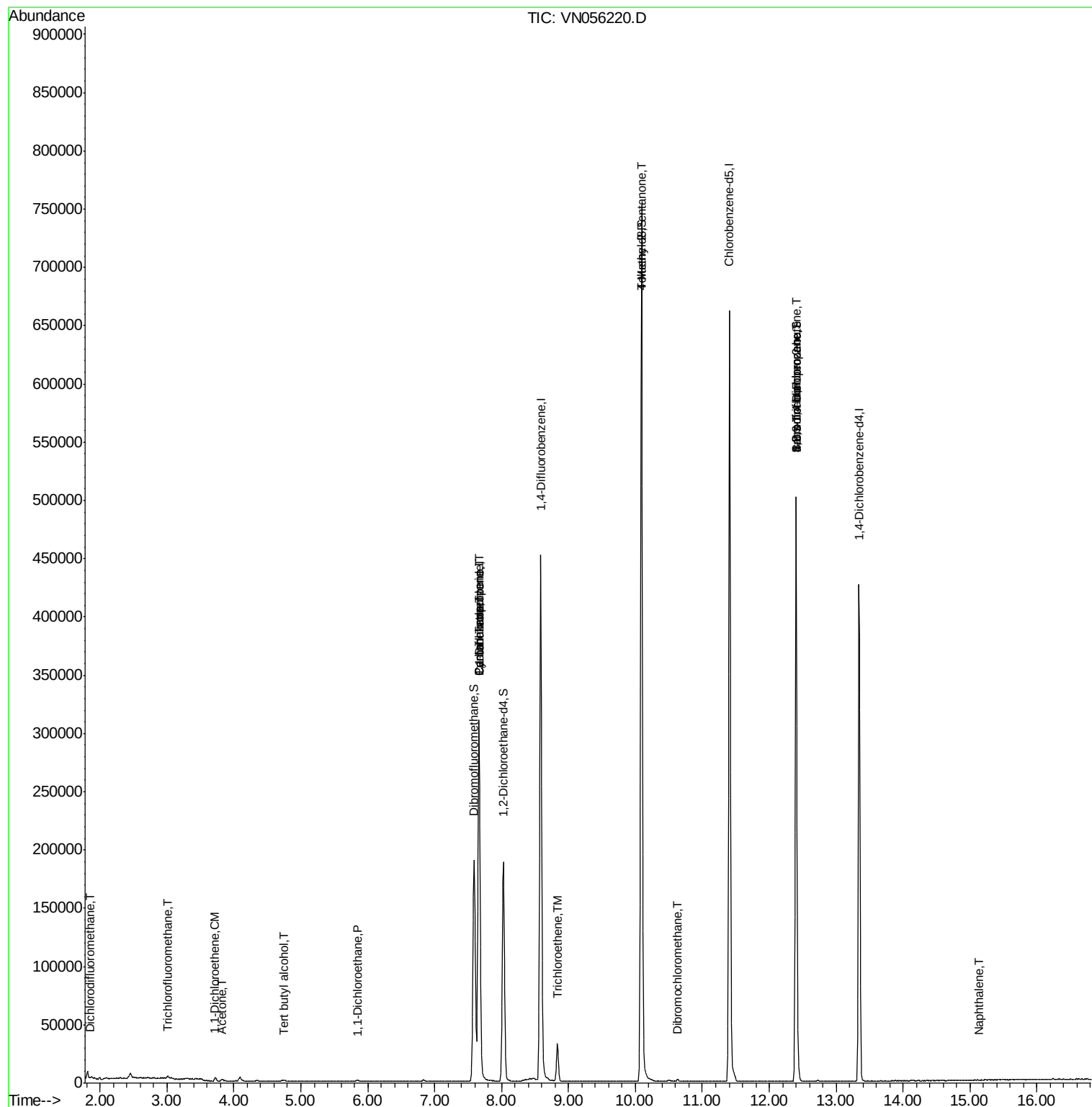
						Qvalue
2) Dichlorodifluoromethane	1.85	85	140	0.397	ug/l #	42
7) Trichlorofluoromethane	3.01	101	1620	0.391	ug/l	99
11) Tert butyl alcohol	4.74	59	929	1.800	ug/l #	74
12) 1,1-Dichloroethene	3.72	96	1537	0.613	ug/l #	77
16) Acetone	3.82	43	2642	1.863	ug/l #	88
18) Methyl Acetate	4.34	43	1346	Below Cal	#	51
24) 1,1-Dichloroethane	5.85	63	2156	0.457	ug/l #	83
31) Cyclohexane	7.66	56	4156	0.883	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	16852	4.407	ug/l #	49
38) Carbon Tetrachloride	7.66	117	23518	6.672	ug/l #	15
44) Trichloroethene	8.83	130	13723	4.112	ug/l	97
51) 4-Methyl-2-Pentanone	10.09	43	2040	0.592	ug/l #	1
60) Dibromochloromethane	10.62	129	232	2.522	ug/l #	11
71) Bromoform	12.40	173	720	3.016	ug/l #	1
73) Isopropylbenzene	12.40	105	30	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	79903	33.132	ug/l #	100
79) 2-Chlorotoluene	12.40	91	414	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	79903	110.336	ug/l #	15
95) Naphthalene	15.14	128	223	3.884	ug/l #	69

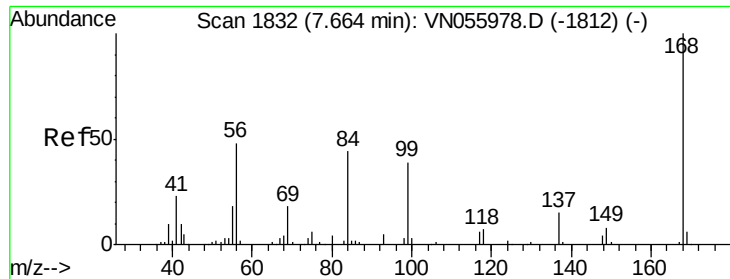
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056220.D

Acq: 11 Jun 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

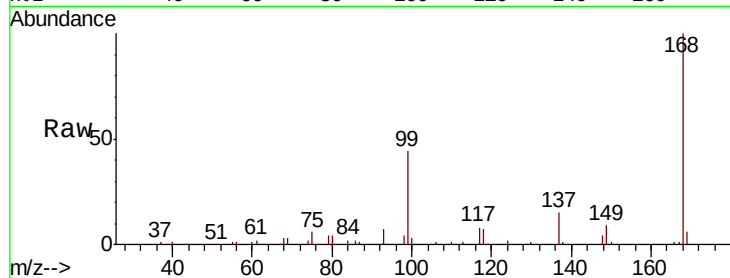
BPS1-TT-MW306D-20190609

Tot Ion:168 Resp: 298634

Ion Ratio Lower Upper

168 100

99 43.8 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66

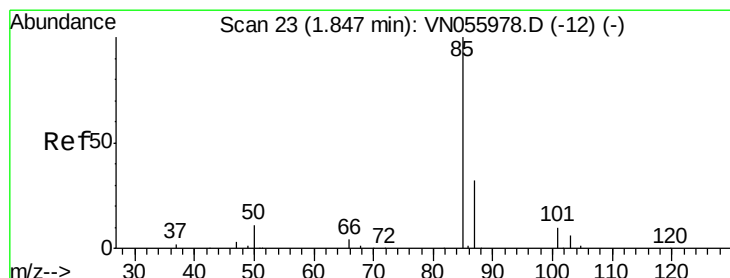
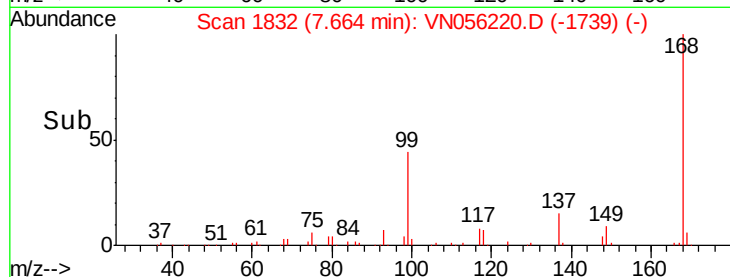
100000

50000

0

Time-->

7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 0.397 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056220.D

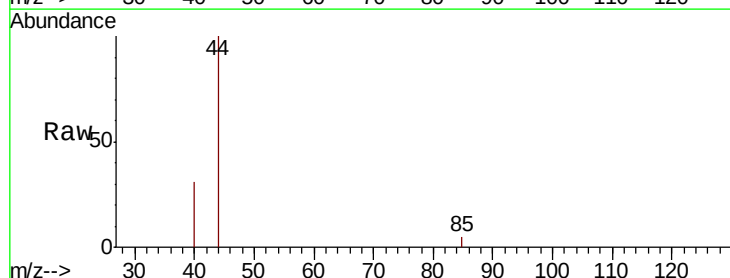
Acq: 11 Jun 2019 13:57

Tgt Ion: 85 Resp: 140

Ion Ratio Lower Upper

85 100

87 0.0 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VN055978.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN055978.D (-12) (-)

1.85

200

150

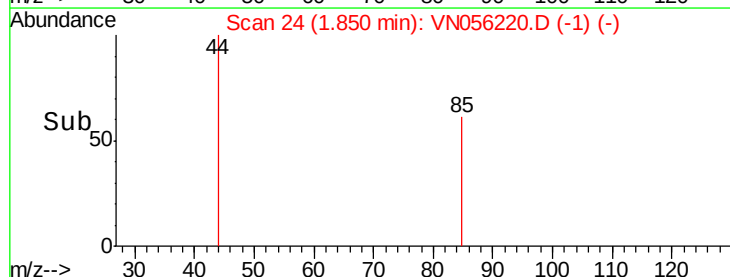
100

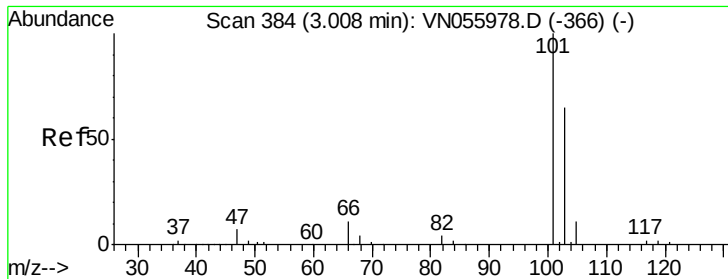
50

0

Time-->

1.83 1.84 1.85 1.86 1.87



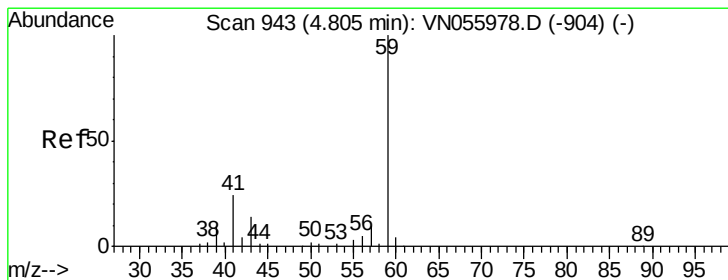
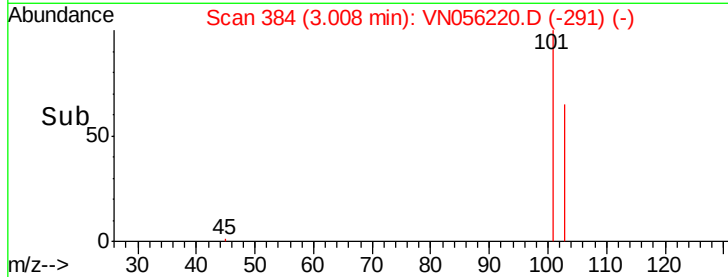
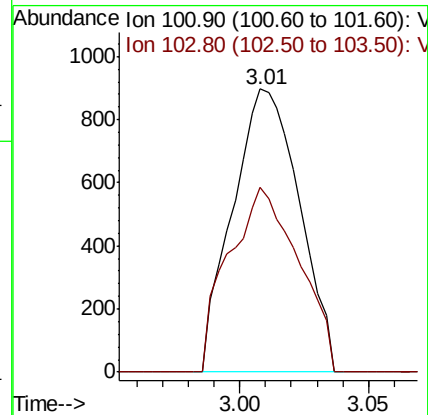
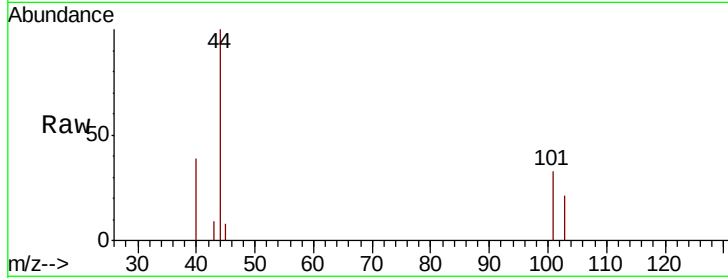


#7

Trichlorofluoromethane
Concen: 0.391 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.00 min
Lab File: VN056220.D
Acq: 11 Jun 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW306D-20190609

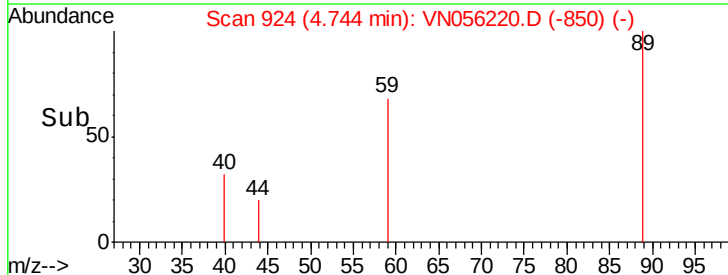
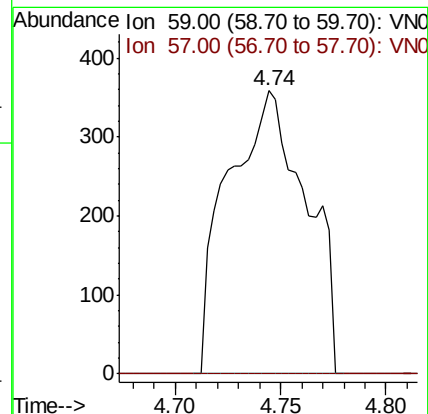
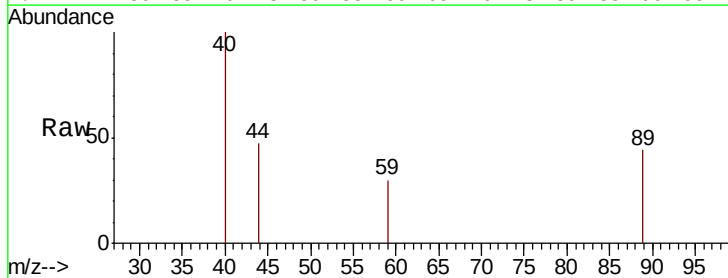
Tot Ion:101 Resp: 1620
Ion Ratio Lower Upper
101 100
103 65.1 51.2 76.8

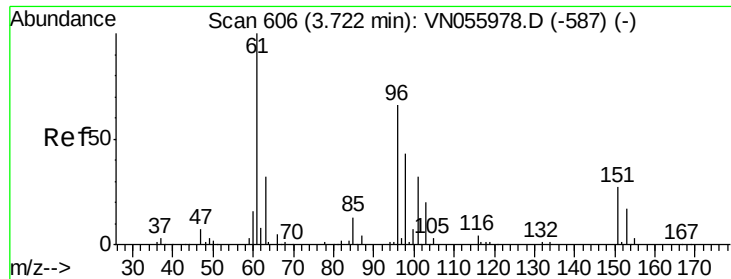


#11

Tert butyl alcohol
Concen: 1.800 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.06 min
Lab File: VN056220.D
Acq: 11 Jun 2019 13:57

Tgt Ion: 59 Resp: 929
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

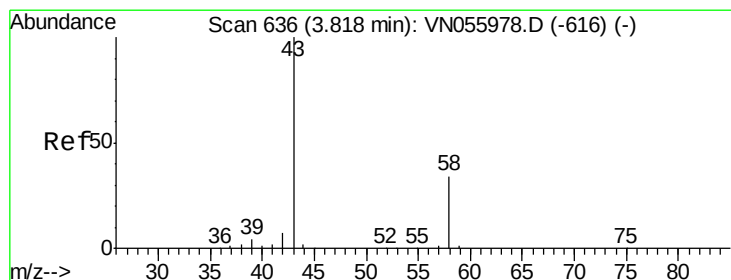
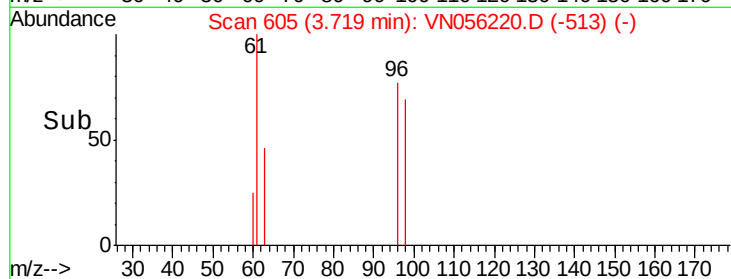
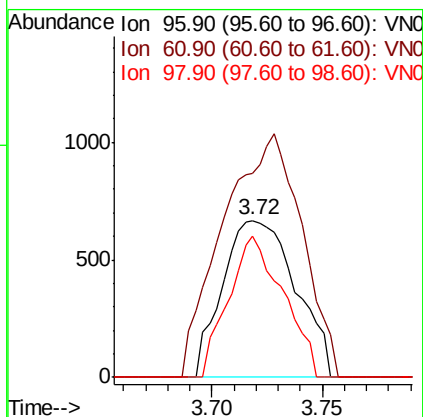
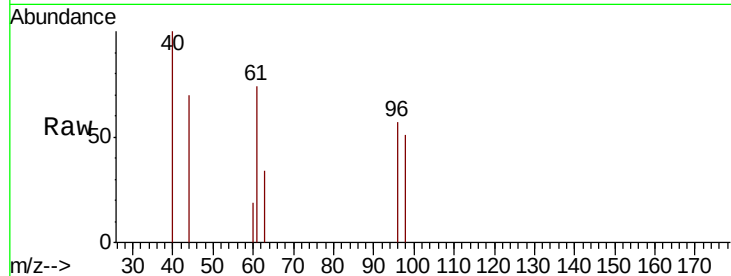




#12
 1,1-Dichloroethene
 Concen: 0.613 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056220.D
 Acq: 11 Jun 2019 13:57

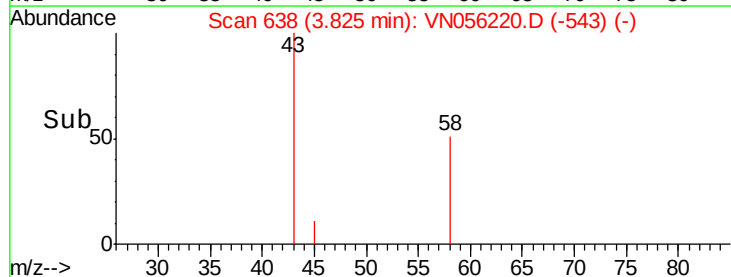
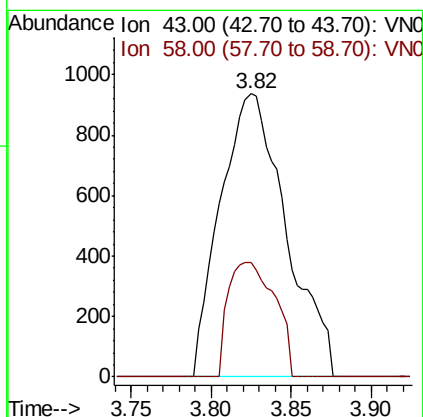
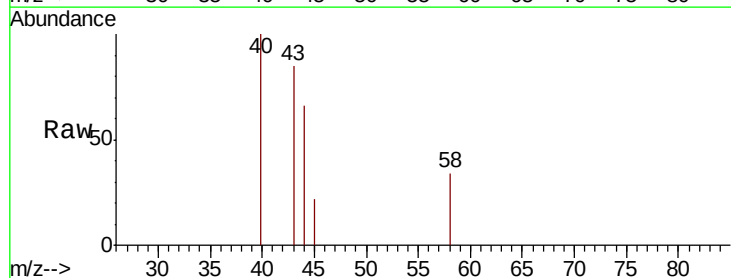
Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW306D-20190609

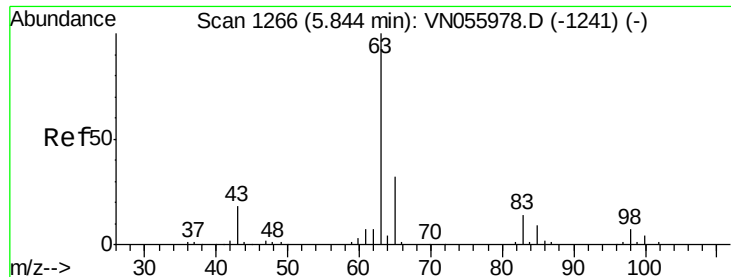
Tot Ion: 96 Resp: 1537
 Ion Ratio Lower Upper
 96 100
 61 130.6 123.2 184.8
 98 90.2 50.4 75.6#



#16
 Acetone
 Concen: 1.863 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VN056220.D
 Acq: 11 Jun 2019 13:57

Tgt Ion: 43 Resp: 2642
 Ion Ratio Lower Upper
 43 100
 58 40.2 26.6 39.8#

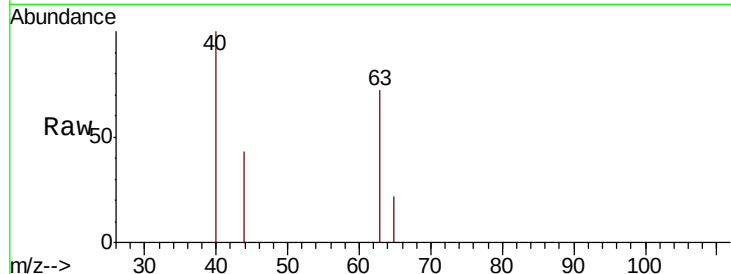




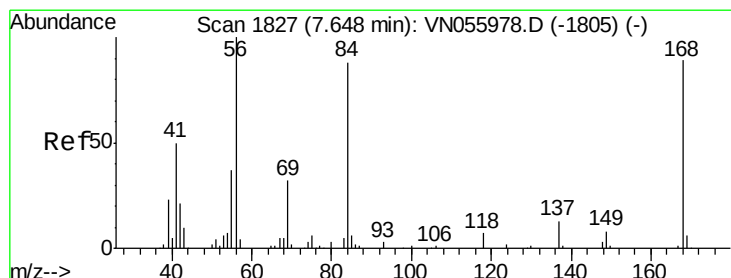
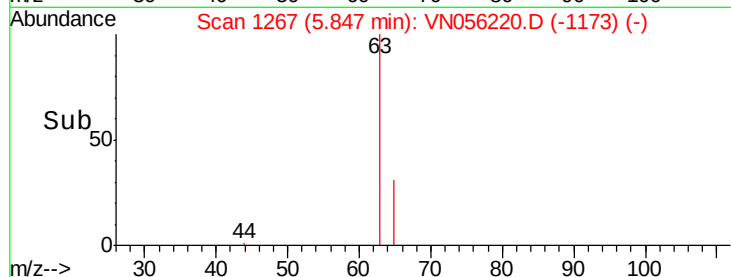
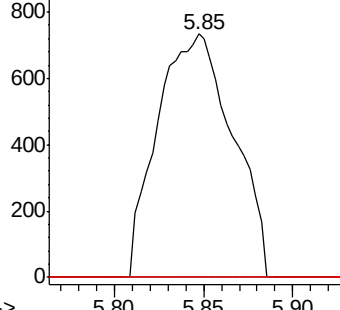
#24
 1,1-Dichloroethane
 Concen: 0.457 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN056220.D
 Acq: 11 Jun 2019 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW306D-20190609

Tot Ion: 63 Resp: 2156
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.4 10.1#
 100 0.0 2.2 6.6#

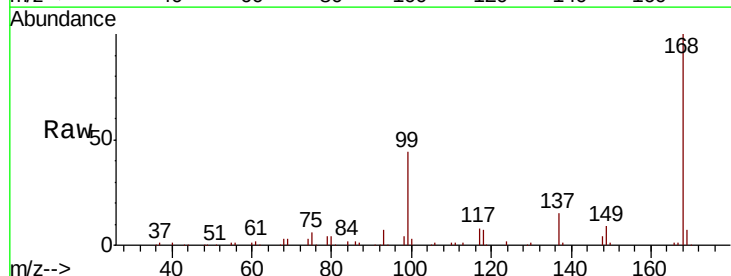


Abundance Ion 62.90 (62.60 to 63.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0
 Ion 99.90 (99.60 to 100.60): VN0

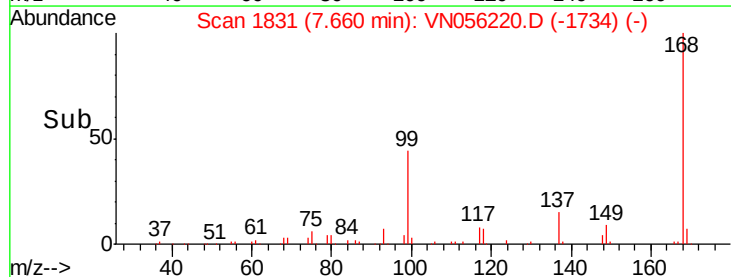
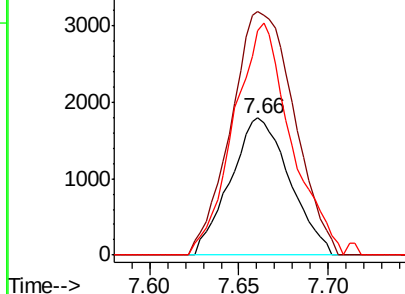


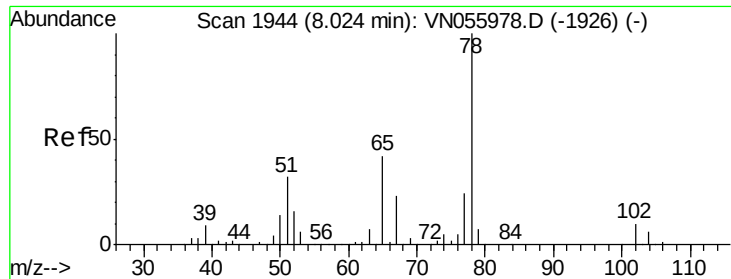
#31
 Cyclohexane
 Concen: 0.883 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. 0.01 min
 Lab File: VN056220.D
 Acq: 11 Jun 2019 13:57

Tgt Ion: 56 Resp: 4156
 Ion Ratio Lower Upper
 56 100
 69 177.9 25.6 38.4#
 84 163.5 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

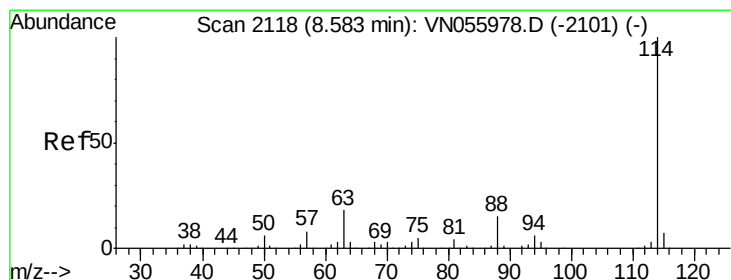
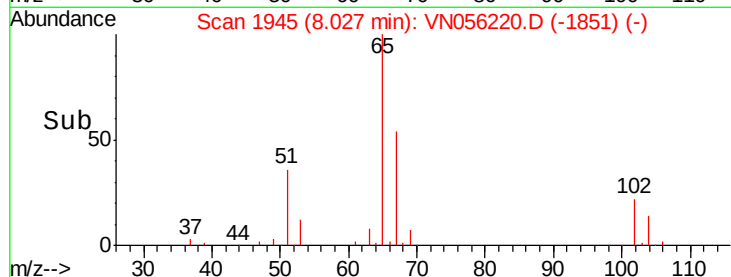
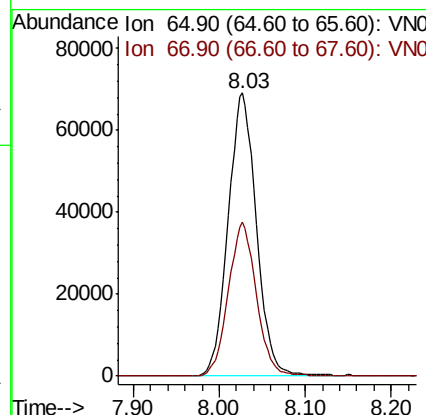
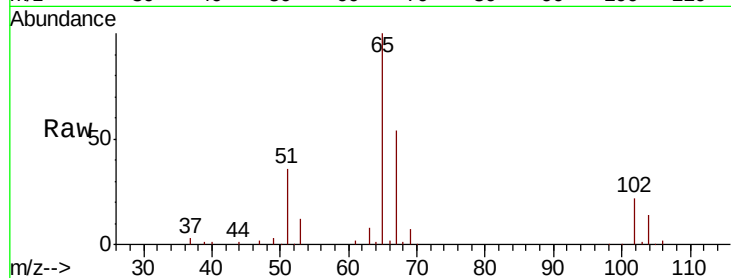




#33
 1,2-Dichloroethane-d4
 Concen: 53.324 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056220.D
 Acq: 11 Jun 2019 13:57

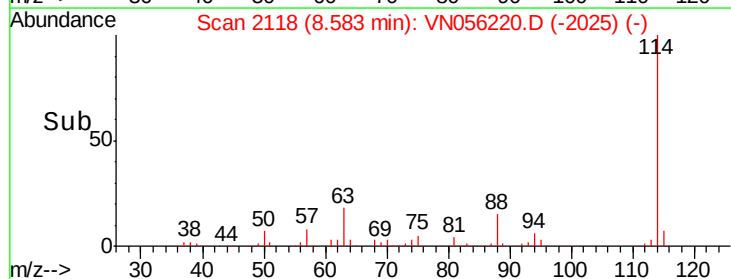
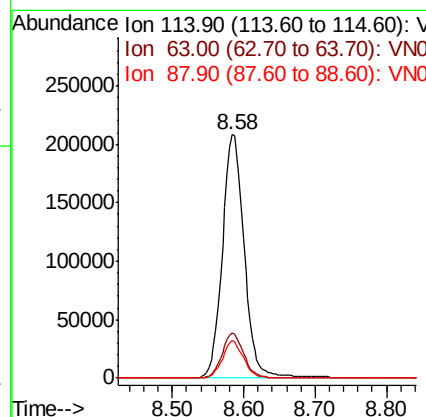
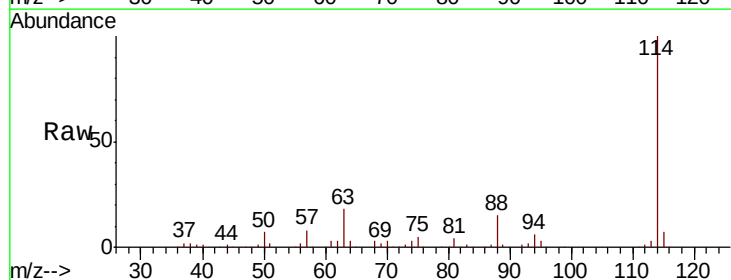
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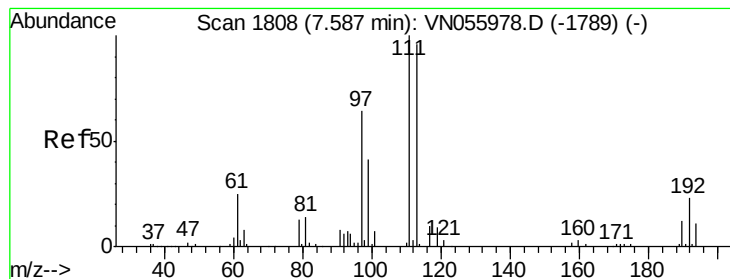
Tot Ion: 65 Resp: 158116
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056220.D
 Acq: 11 Jun 2019 13:57

Tgt Ion: 114 Resp: 444671
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 39.2
 88 15.2 0.0 31.0





#35

Dibromofluoromethane

Concen: 52.760 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056220.D

Acq: 11 Jun 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW306D-20190609

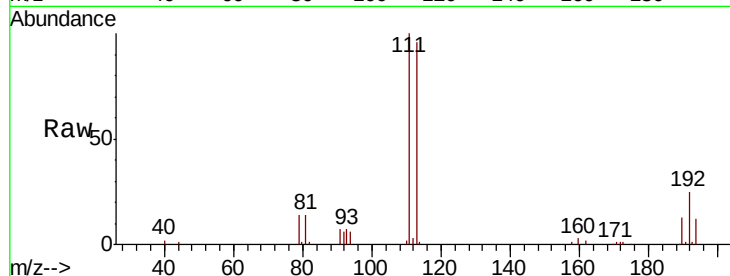
Tot Ion:113 Resp: 143941

Ion Ratio Lower Upper

113 100

111 104.1 81.9 122.9

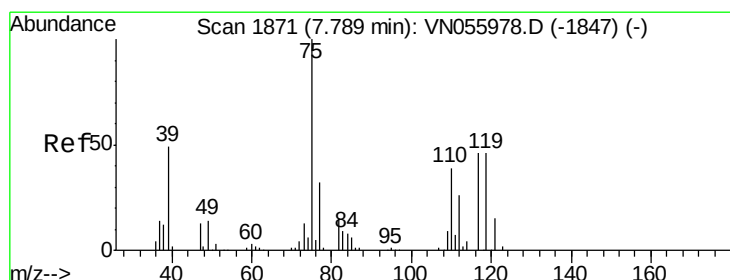
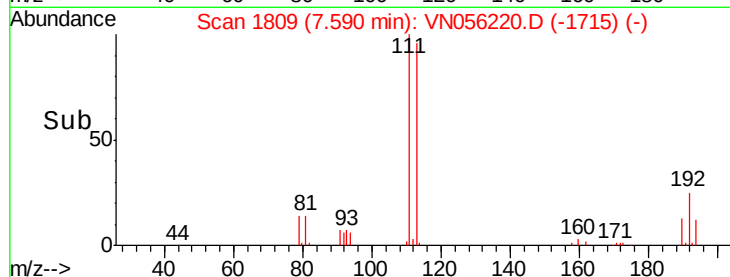
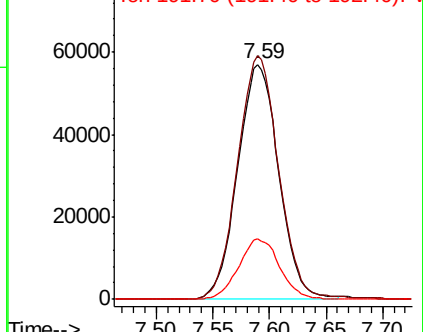
192 25.5 19.5 29.3



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: 4.407 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN056220.D

Acq: 11 Jun 2019 13:57

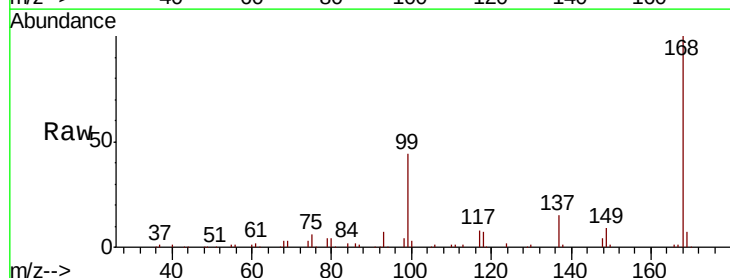
Tgt Ion: 75 Resp: 16852

Ion Ratio Lower Upper

75 100

110 9.8 19.0 57.0#

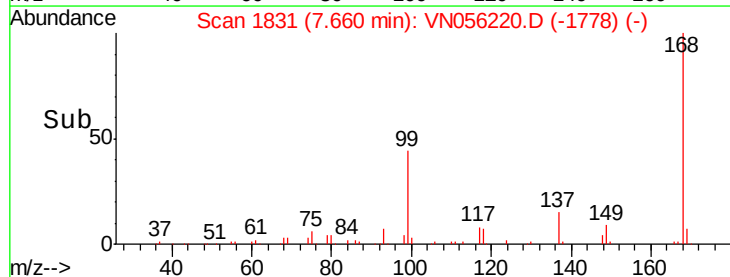
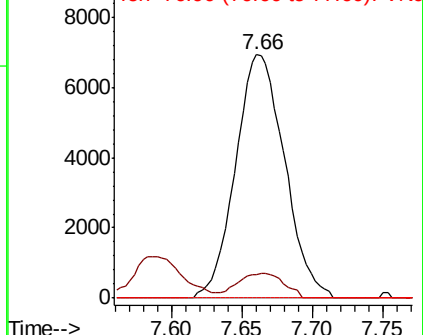
77 0.0 25.1 37.7#

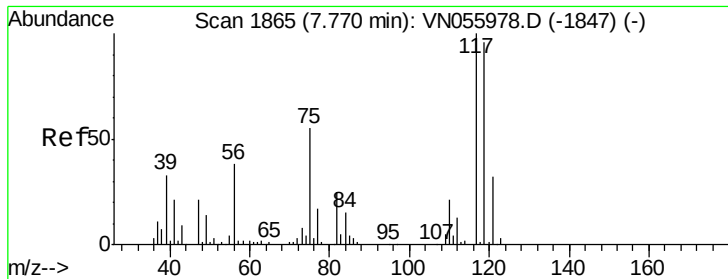


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

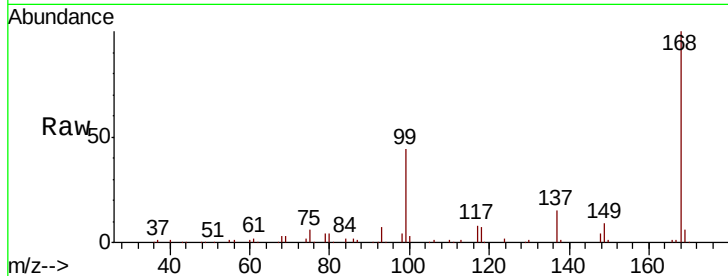




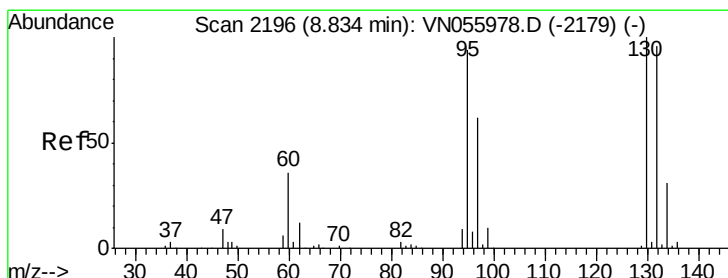
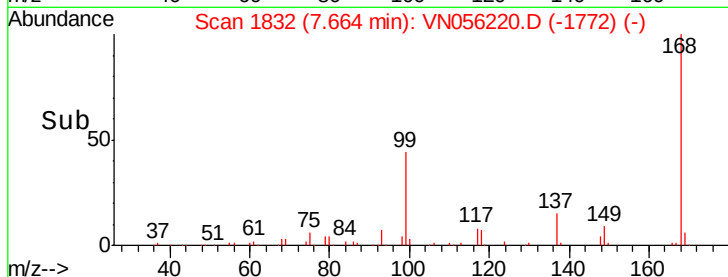
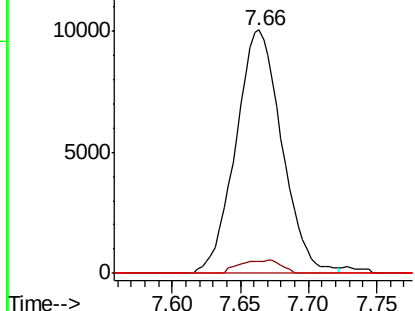
#38
Carbon Tetrachloride
Concen: 6.672 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN056220.D
Acq: 11 Jun 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW306D-20190609

Tot Ion:117 Resp: 23518
Ion Ratio Lower Upper
117 100
119 4.8 79.0 118.6#
121 0.0 24.7 37.1#

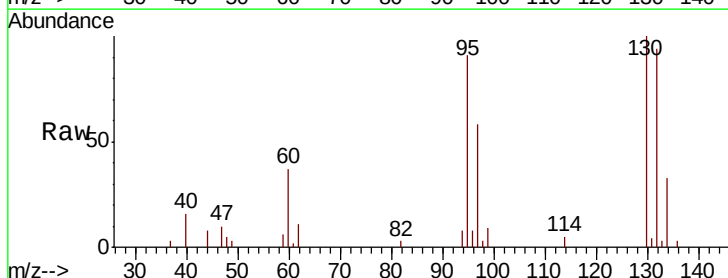


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

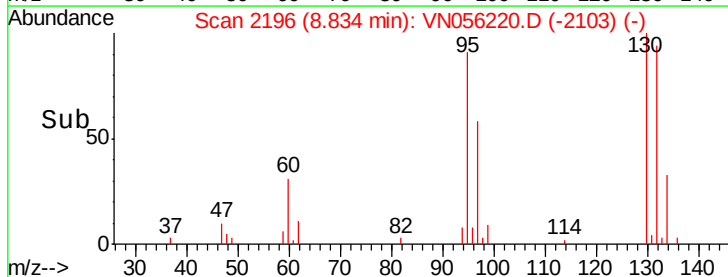
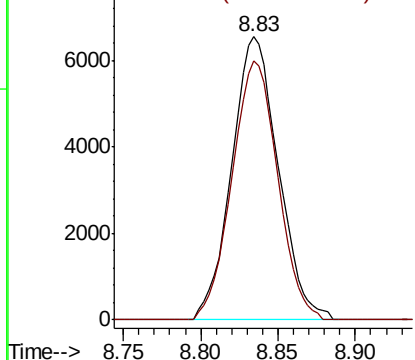


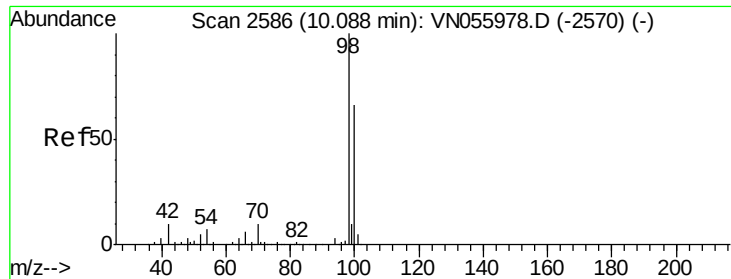
#44
Trichloroethene
Concen: 4.112 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN056220.D
Acq: 11 Jun 2019 13:57

Tgt Ion:130 Resp: 13723
Ion Ratio Lower Upper
130 100
95 91.3 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 54.046 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056220.D

Acq: 11 Jun 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

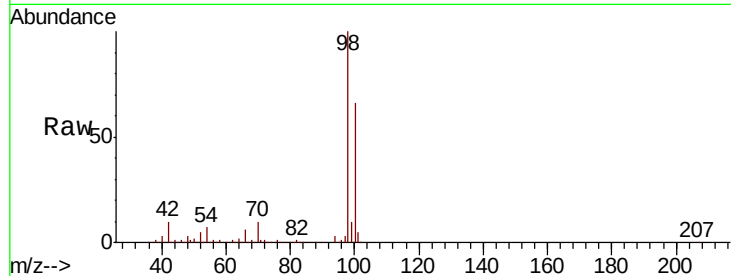
BPS1-TT-MW306D-20190609

Tot Ion: 98 Resp: 567387

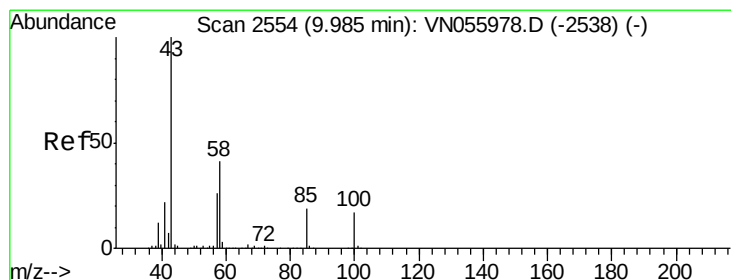
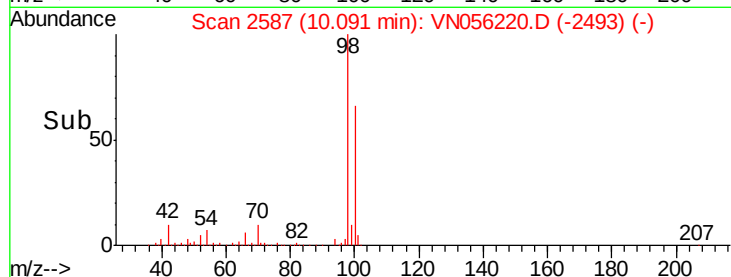
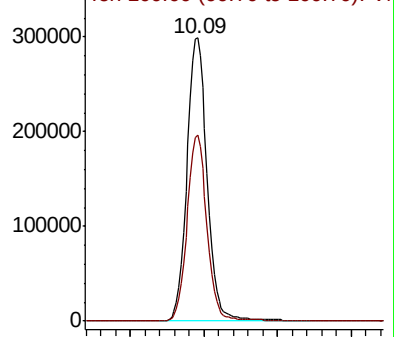
Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.592 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN056220.D

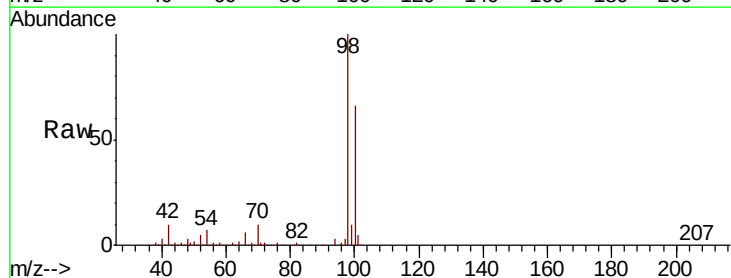
Acq: 11 Jun 2019 13:57

Tgt Ion: 43 Resp: 2040

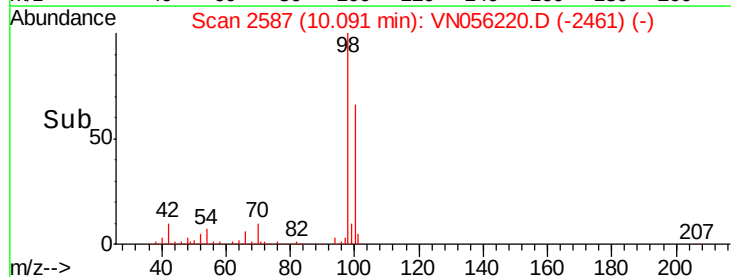
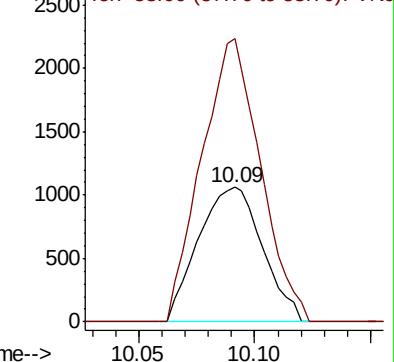
Ion Ratio Lower Upper

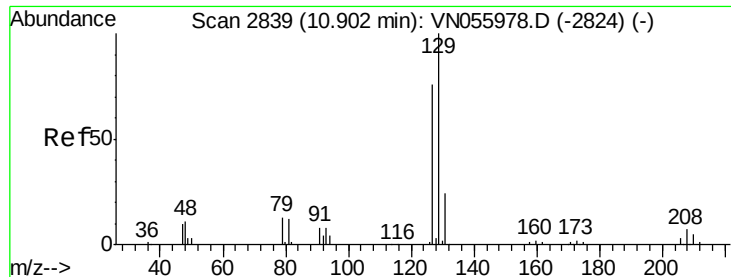
43 100

58 193.7 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-2538) (-)

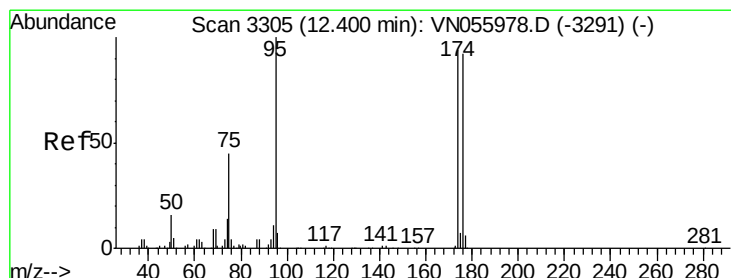
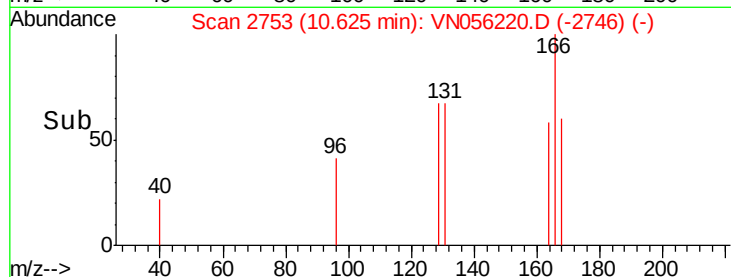
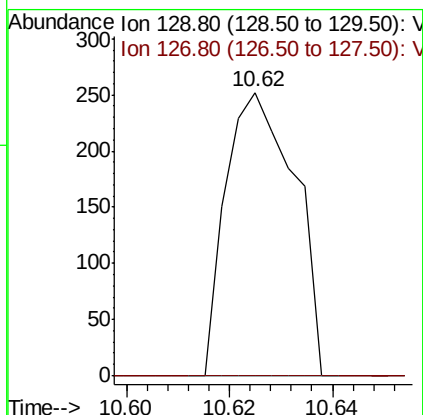
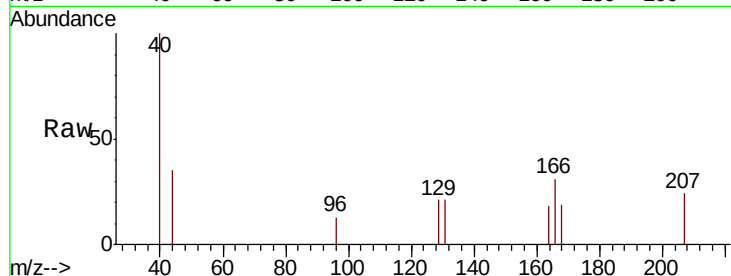




#60
 Dibromochloromethane
 Concen: 2.522 ug/l
 RT: 10.62 min Scan# 2753
 Delta R.T. -0.28 min
 Lab File: VN056220.D
 Acq: 11 Jun 2019 13:57

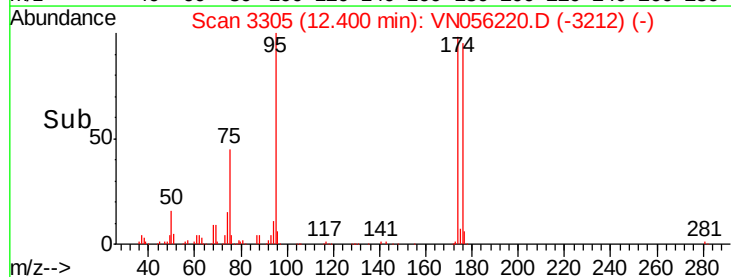
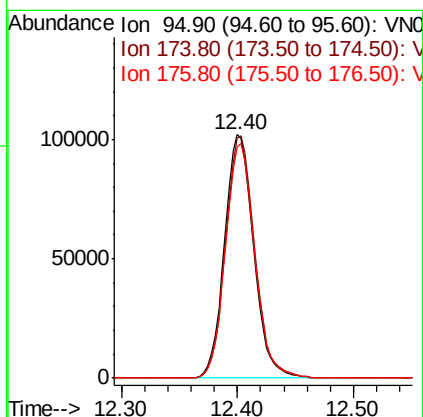
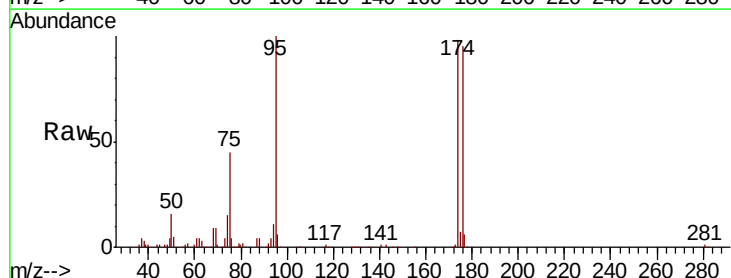
Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW306D-20190609

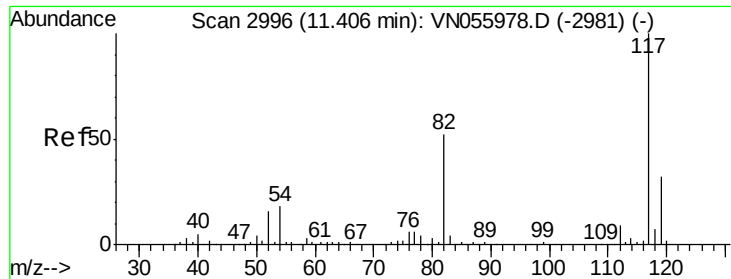
Tot Ion:129 Resp: 232
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.1 114.3#



#62
 4-Bromofluorobenzene
 Concen: 49.545 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN056220.D
 Acq: 11 Jun 2019 13:57

Tgt Ion: 95 Resp: 176883
 Ion Ratio Lower Upper
 95 100
 174 99.4 0.0 191.0
 176 96.4 0.0 185.2

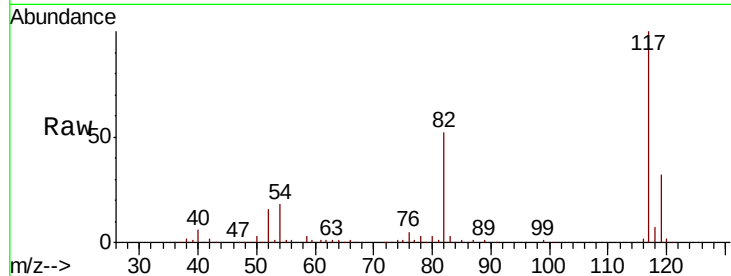




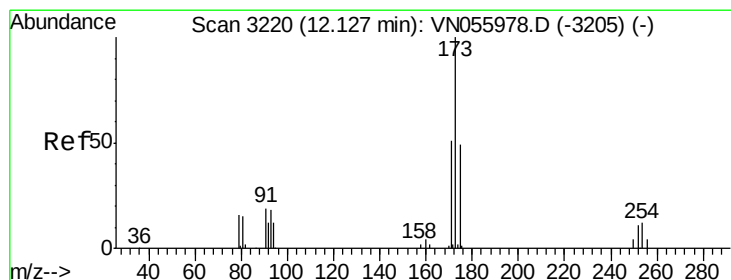
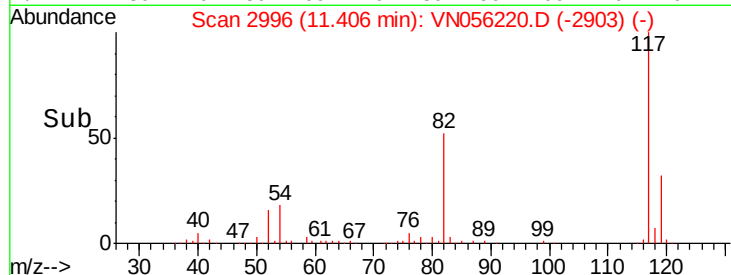
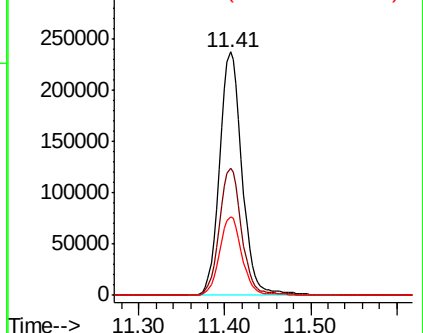
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056220.D
Acq: 11 Jun 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW306D-20190609

Tot Ion:117 Resp: 431064
Ion Ratio Lower Upper
117 100
82 52.1 41.8 62.8
119 32.2 25.4 38.0

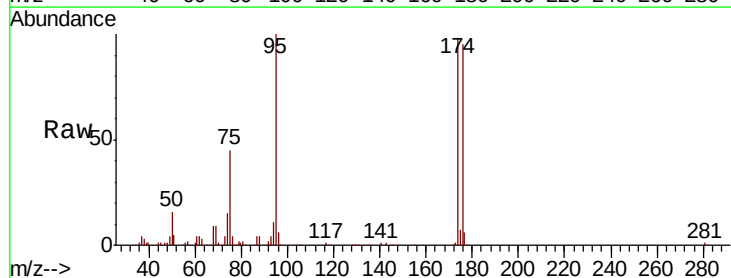


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

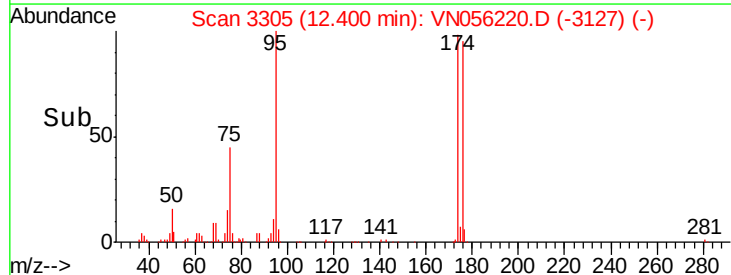
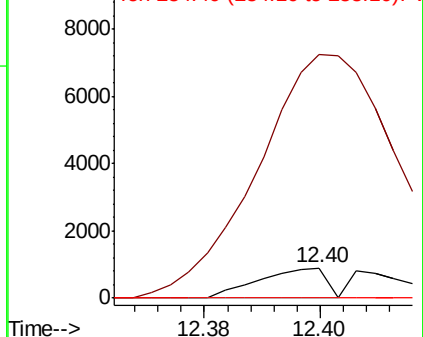


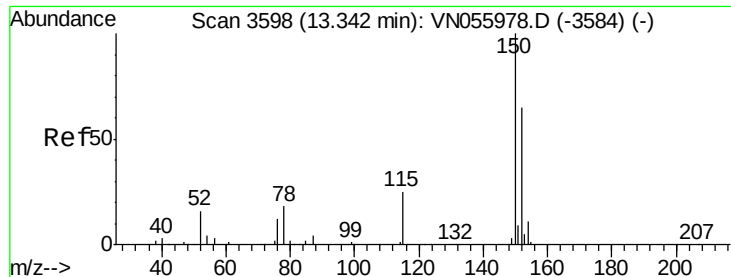
#71
Bromoform
Concen: 3.016 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056220.D
Acq: 11 Jun 2019 13:57

Tgt Ion:173 Resp: 720
Ion Ratio Lower Upper
173 100
175 1489.9 24.3 72.8#
254 0.0 0.0 0.0



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



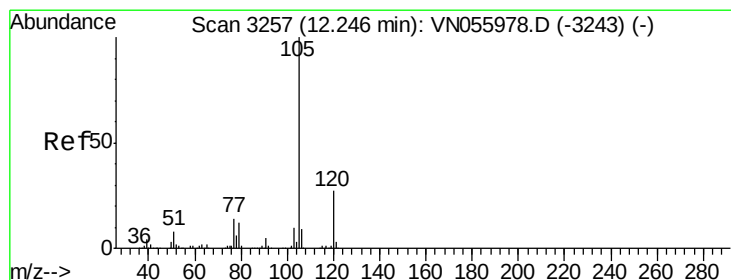
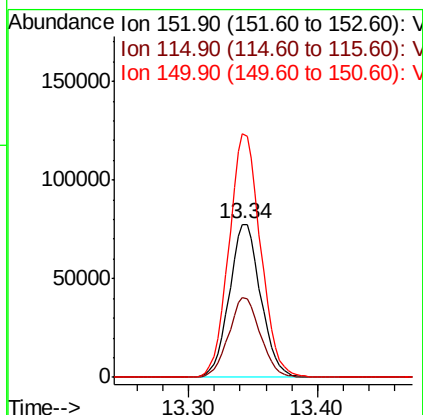
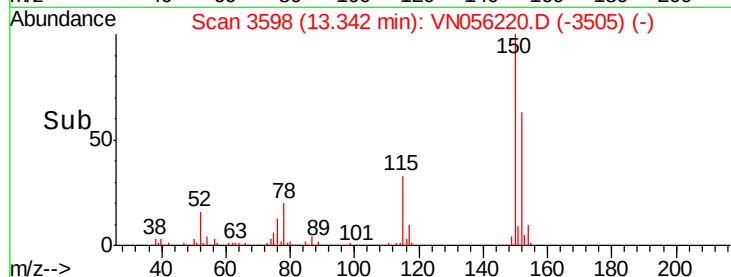
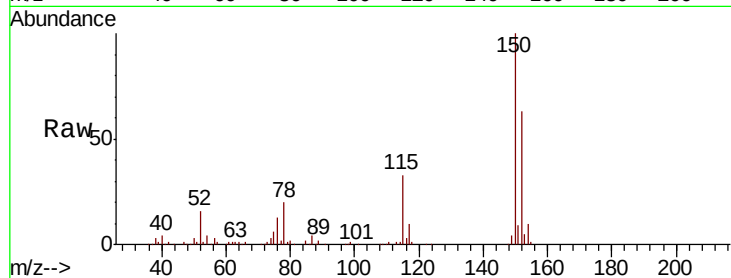


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056220.D
Acq: 11 Jun 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW306D-20190609

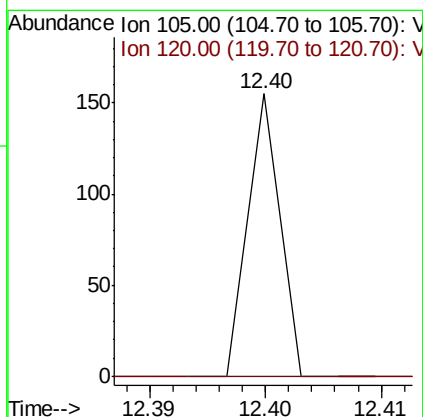
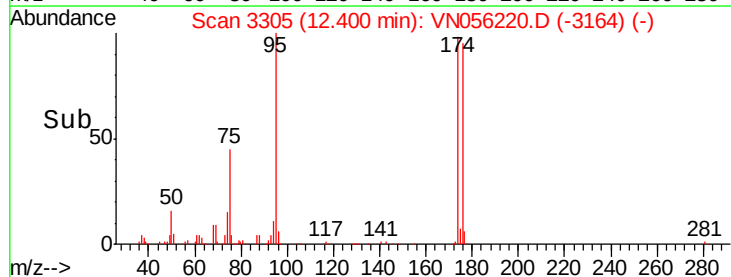
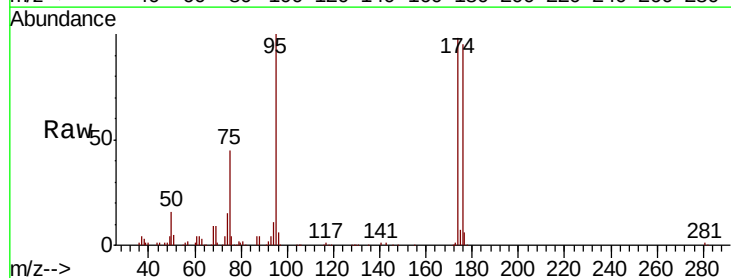
Tot Ion	Ratio	Lower	Upper
152	100		
115	52.4	27.0	81.0
150	159.6	0.0	343.2

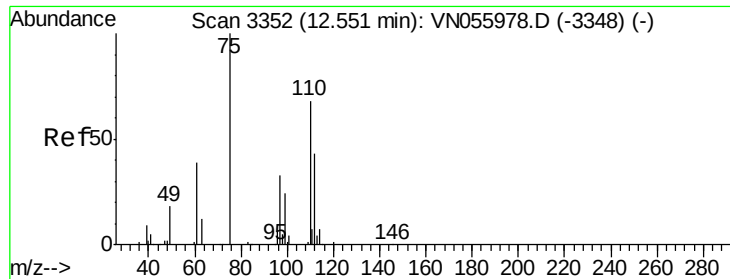


#73

Isopropylbenzene
Concen: Below Cal
RT: 12.40 min Scan# 3305
Delta R.T. 0.15 min
Lab File: VN056220.D
Acq: 11 Jun 2019 13:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	13.6	40.7#

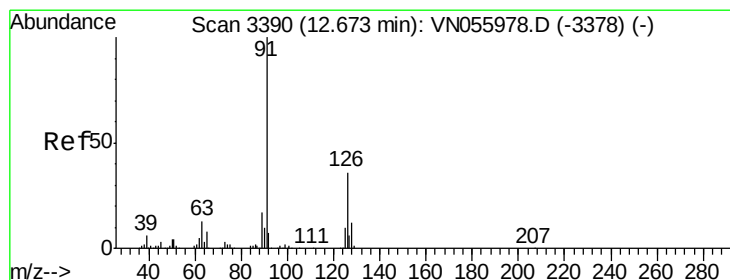
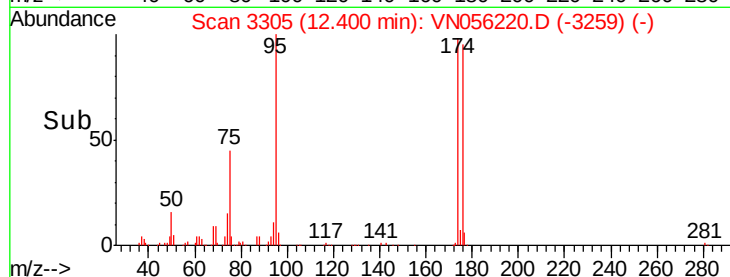
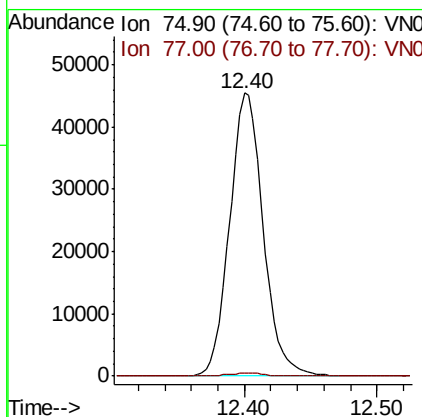
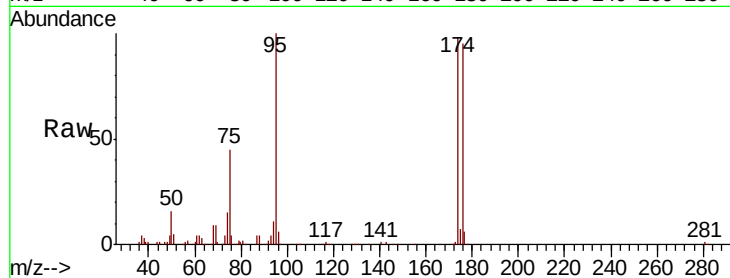




#76
 1,2,3-Trichloropropane
 Concen: 33.132 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN056220.D
 Acq: 11 Jun 2019 13:57

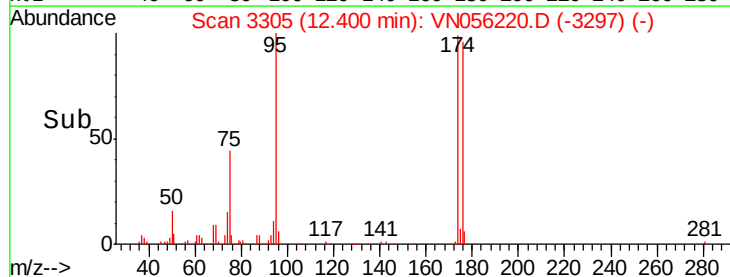
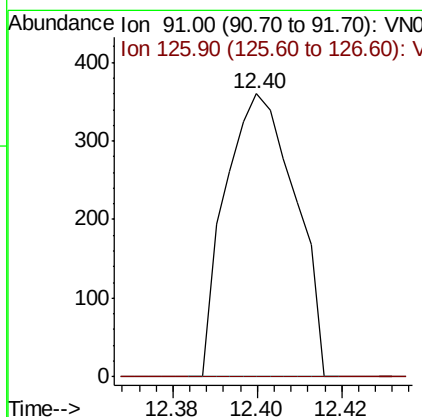
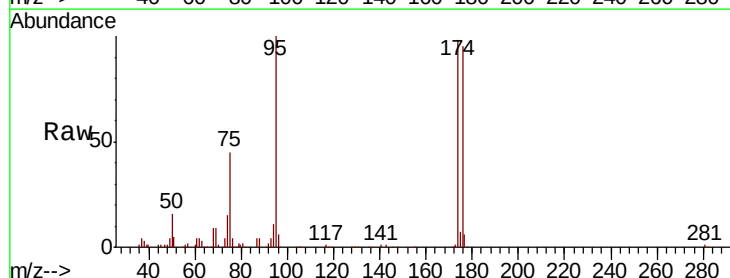
Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW306D-20190609

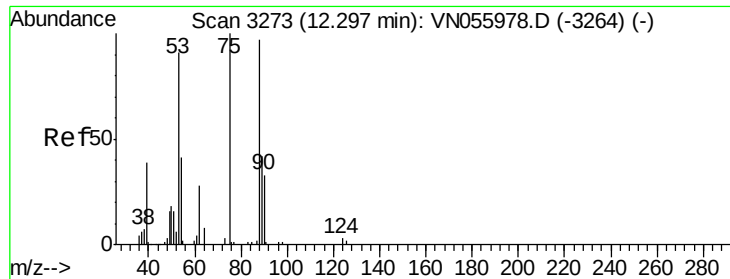
Tot Ion: 75 Resp: 79903
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.27 min
 Lab File: VN056220.D
 Acq: 11 Jun 2019 13:57

Tgt Ion: 91 Resp: 414
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.1 54.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 110.336 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056220.D

Acq: 11 Jun 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW306D-20190609

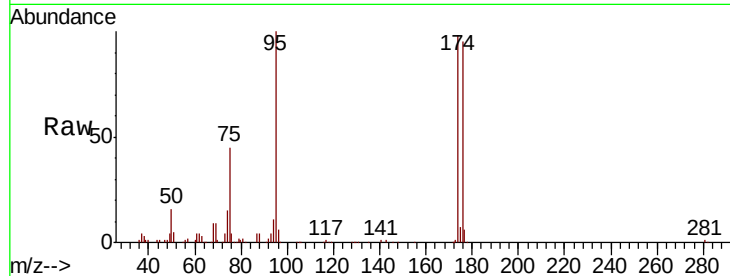
Tot Ion: 75 Resp: 79903

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

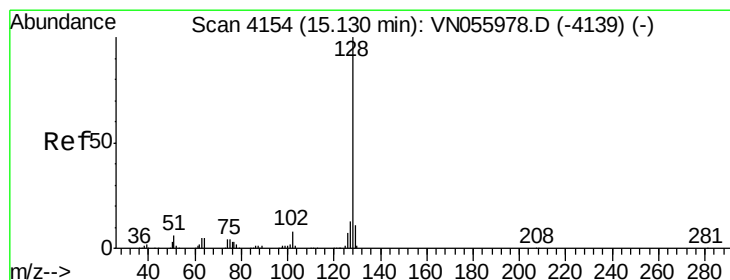
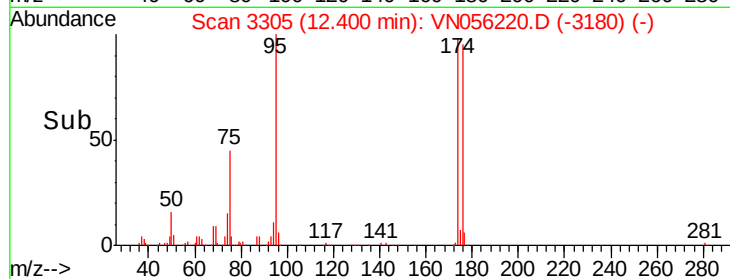
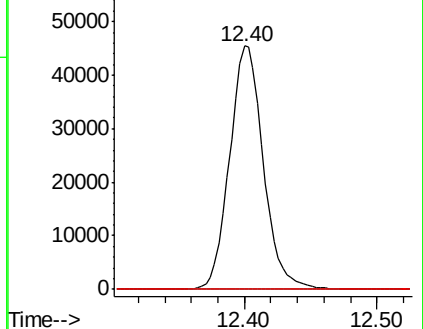
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN055978.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN055978.D (-3264) (-)



#95

Naphthalene

Concen: 3.884 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN056220.D

Acq: 11 Jun 2019 13:57

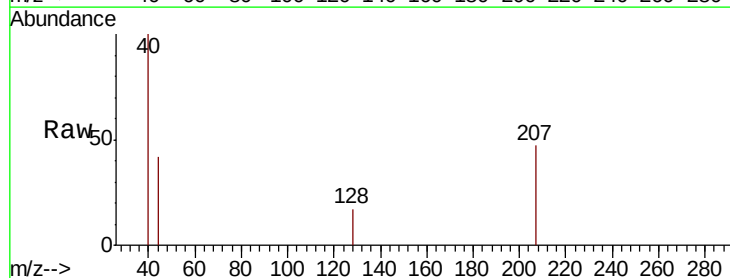
Tgt Ion: 128 Resp: 223

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): VN055978.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN055978.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN055978.D (-4139) (-)

