

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061119\
 Data File : VN056226.D
 Acq On : 11 Jun 2019 16:27
 Operator : JC/SP
 Sample : K3284-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW303D-20190610

Quant Time: Jun 12 06:34:51 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	279224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	429949	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	417684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	124883	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	152482	55.00	ug/l	0.00
Spiked Amount			Recovery	=	110.00%	
35) Dibromofluoromethane	7.59	113	141029	53.46	ug/l	0.00
Spiked Amount			Recovery	=	106.92%	
50) Toluene-d8	10.09	98	544853	53.68	ug/l	0.00
Spiked Amount			Recovery	=	107.36%	
62) 4-Bromofluorobenzene	12.40	95	169605	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	

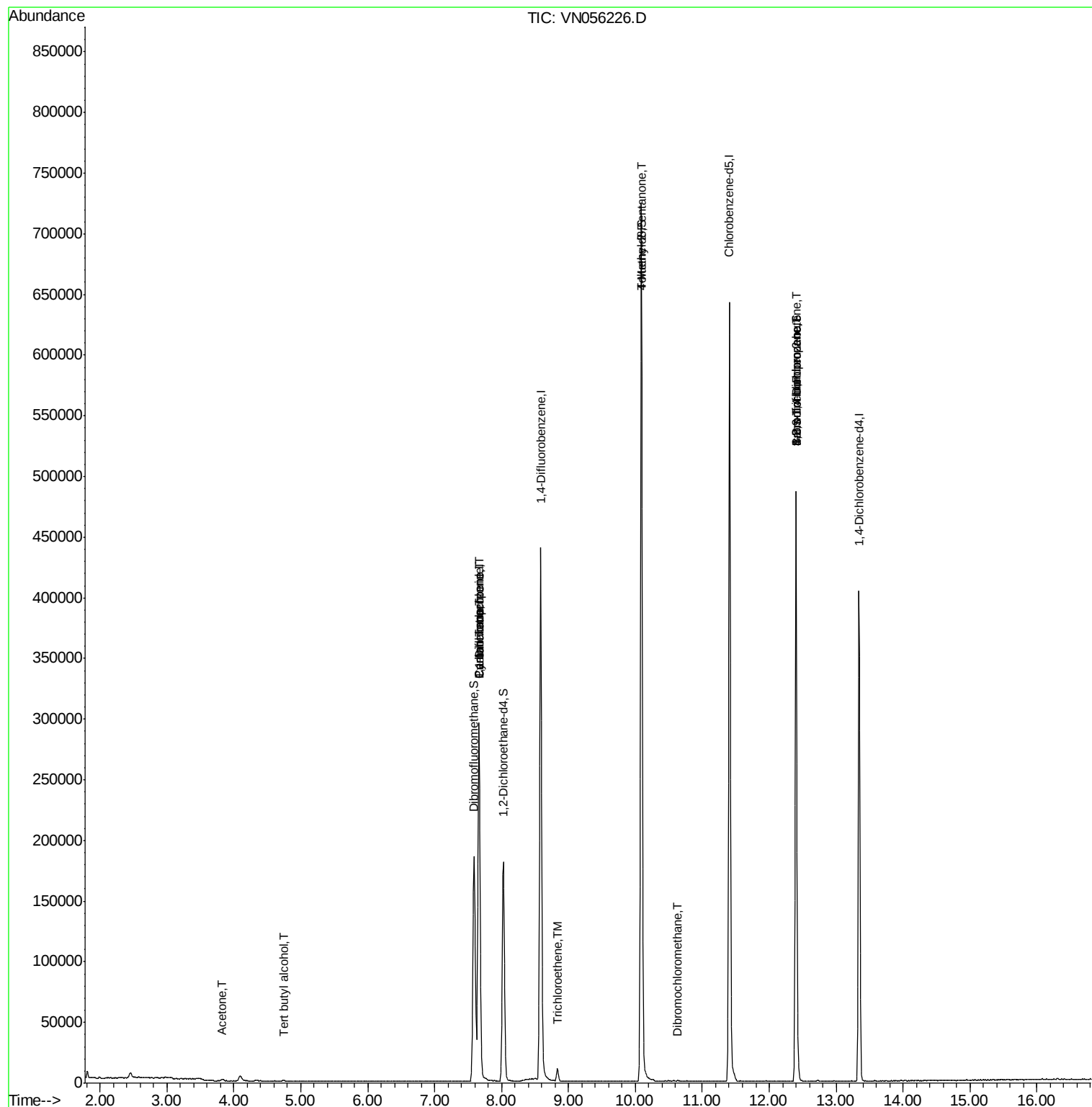
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	160	0.332	ug/l #	74
16) Acetone	3.83	43	2666	2.011	ug/l	99
18) Methyl Acetate	4.33	43	1427	Below Cal	#	51
31) Cyclohexane	7.66	56	3819	0.868	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	15952	4.315	ug/l #	49
38) Carbon Tetrachloride	7.66	117	23070	6.769	ug/l #	15
44) Trichloroethene	8.83	130	4361	1.352	ug/l	92
51) 4-Methyl-2-Pentanone	10.09	43	2304	0.691	ug/l #	1
60) Dibromochloromethane	10.63	129	104	2.484	ug/l #	11
71) Bromoform	12.40	173	1177	3.204	ug/l #	1
73) Isopropylbenzene	12.40	105	65	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.40	75	76881	33.457	ug/l #	100
79) 2-Chlorotoluene	12.40	91	341	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	76881	111.418	ug/l #	15

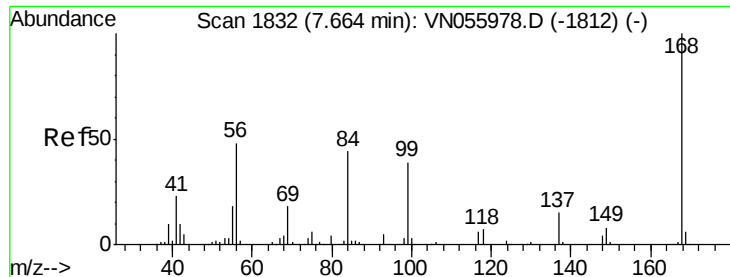
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 12 06:34:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
Quant Title : SW846 8260
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: VN056226.D

Acq: 11 Jun 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

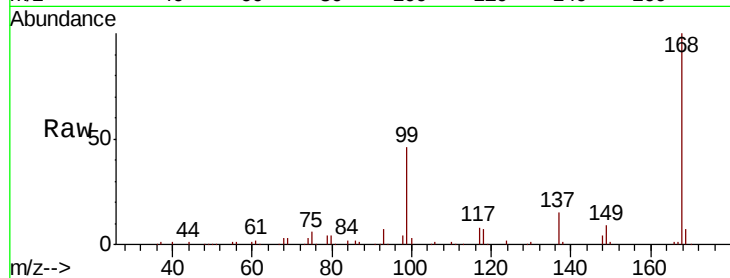
BPS1-TT-MW303D-20190610

Tot Ion:168 Resp: 279224

Ion Ratio Lower Upper

168 100

99 46.1 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) (-)

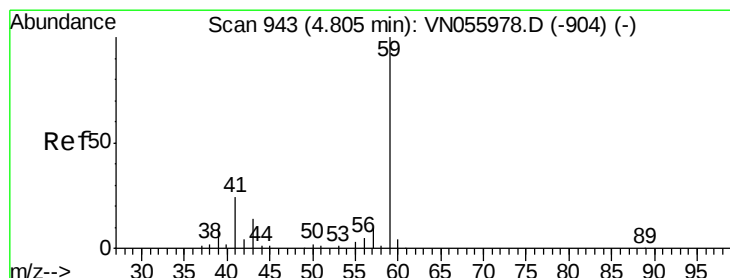
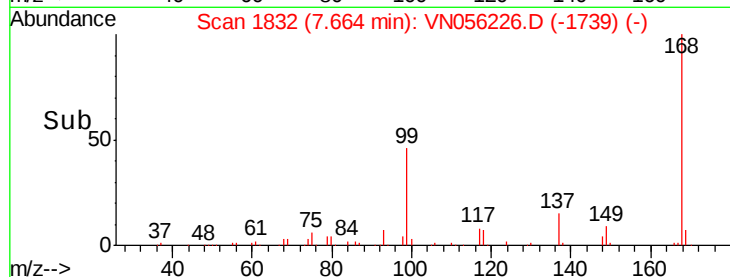
7.66

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.332 ug/l

RT: 4.75 min Scan# 926

Delta R.T. -0.05 min

Lab File: VN056226.D

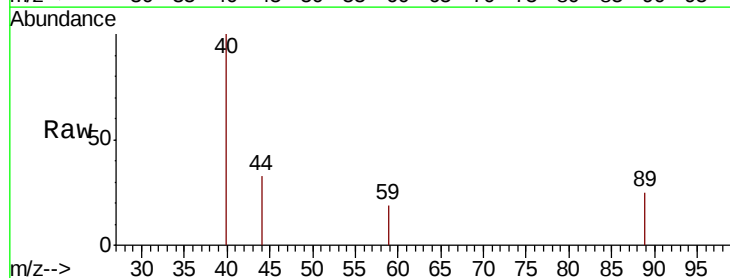
Acq: 11 Jun 2019 16:27

Tgt Ion: 59 Resp: 160

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN055978.D (-904) (-)

Ion 57.00 (56.70 to 57.70): VN055978.D (-904) (-)

4.75

250

200

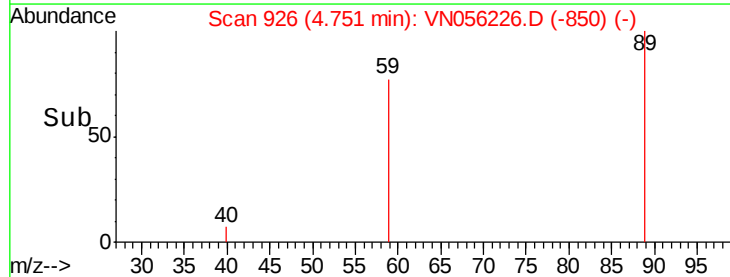
150

100

50

0

Time-->





#16

Acetone

Concen: 2.011 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN056226.D

Acq: 11 Jun 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

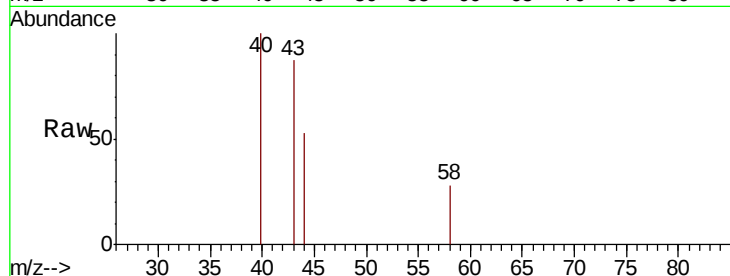
BPS1-TT-MW303D-20190610

Tot Ion: 43 Resp: 2666

Ion Ratio Lower Upper

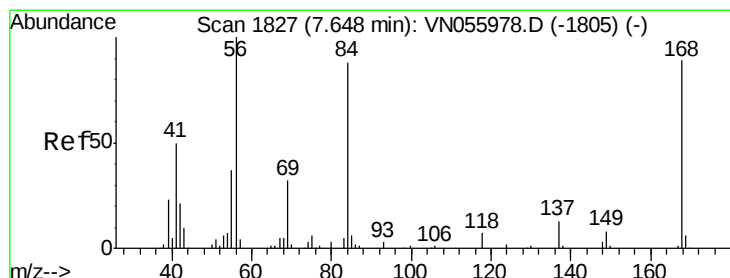
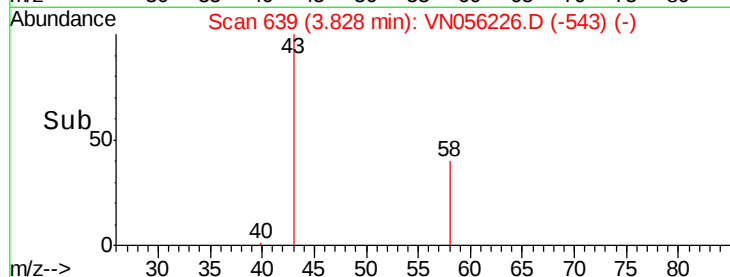
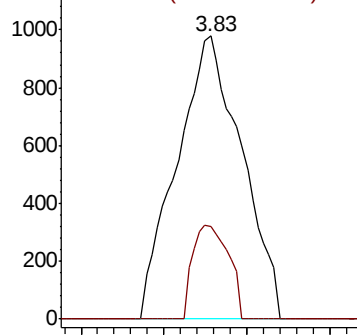
43 100

58 32.7 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#31

Cyclohexane

Concen: 0.868 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN056226.D

Acq: 11 Jun 2019 16:27

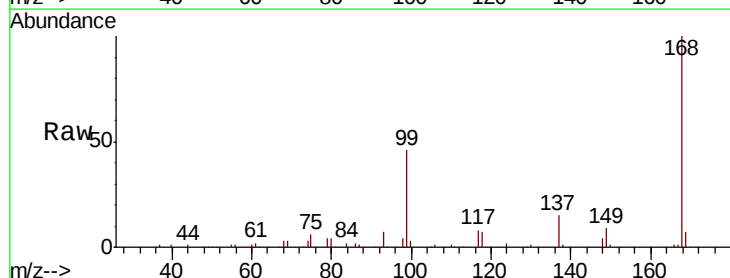
Tgt Ion: 56 Resp: 3819

Ion Ratio Lower Upper

56 100

69 194.4 25.6 38.4#

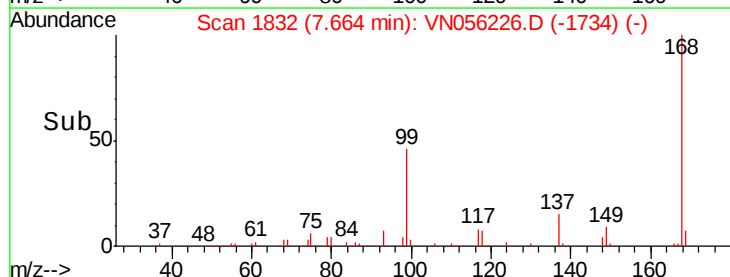
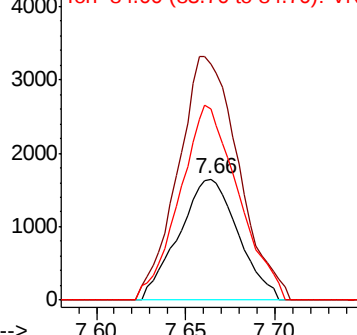
84 157.5 67.4 101.0#

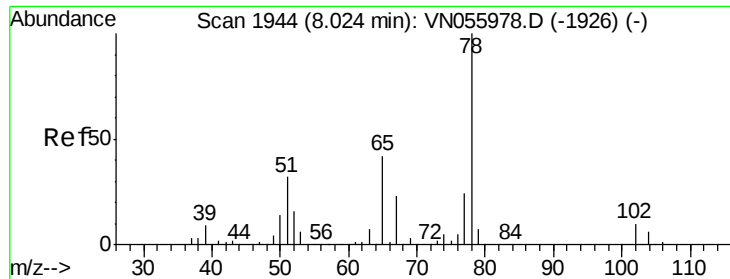


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

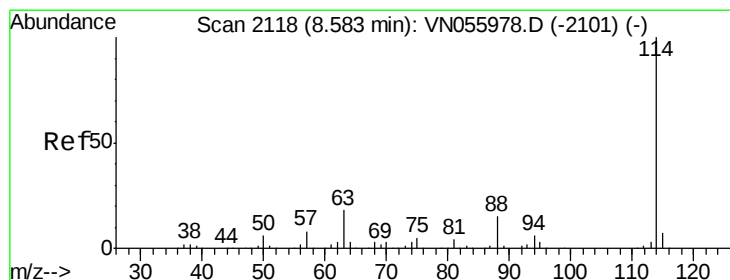
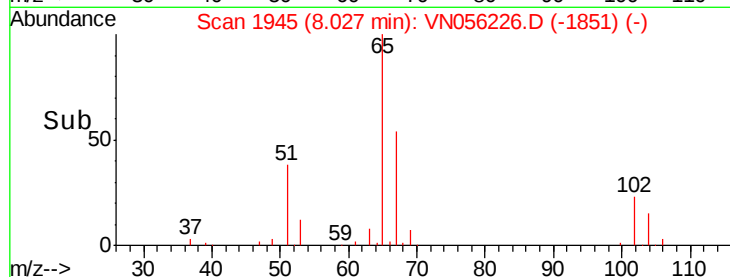
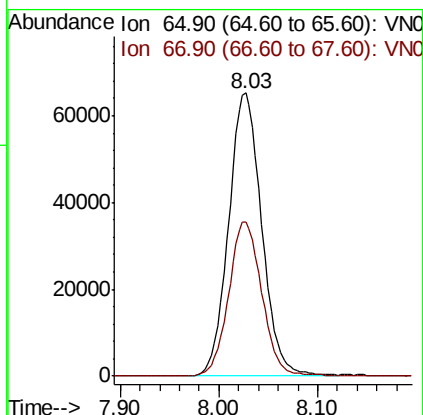
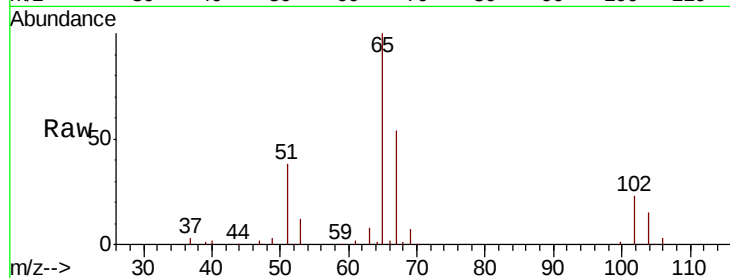




#33
 1,2-Dichloroethane-d4
 Concen: 54.999 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056226.D
 Acq: 11 Jun 2019 16:27

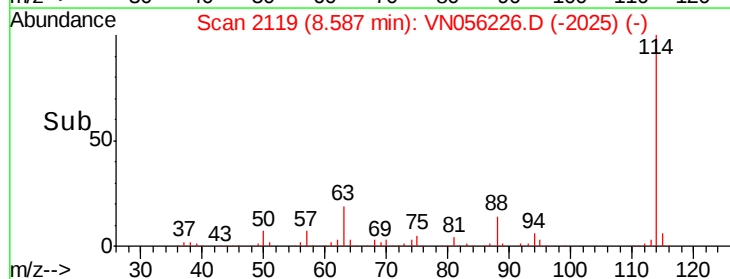
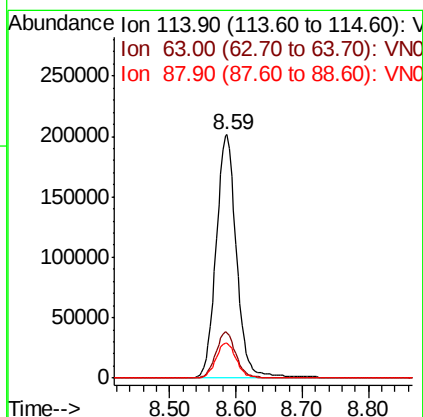
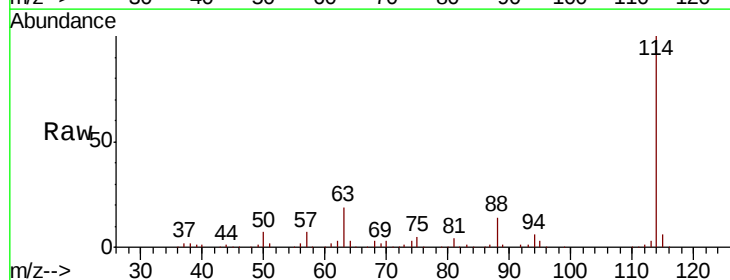
Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW303D-20190610

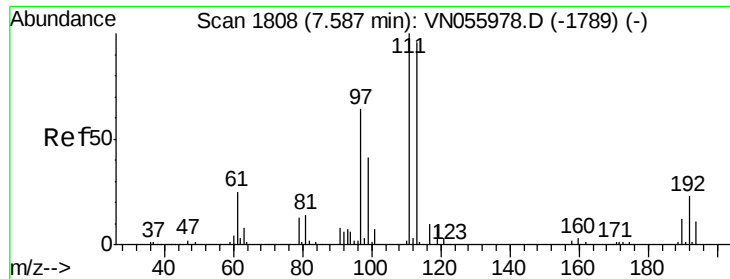
Tot Ion: 65 Resp: 152482
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056226.D
 Acq: 11 Jun 2019 16:27

Tgt Ion: 114 Resp: 429949
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.2
 88 14.4 0.0 31.0

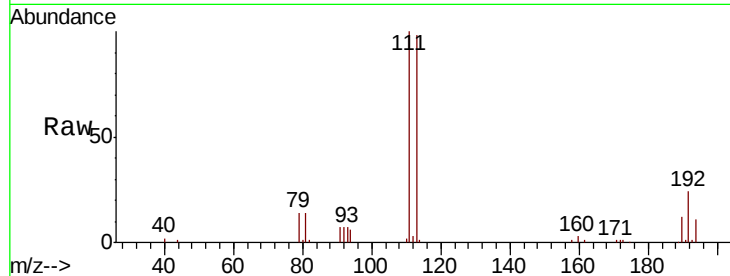




#35
Dibromofluoromethane
Concen: 53.463 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056226.D
Acq: 11 Jun 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW303D-20190610

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.9	122.9
192	24.2	19.5	29.3

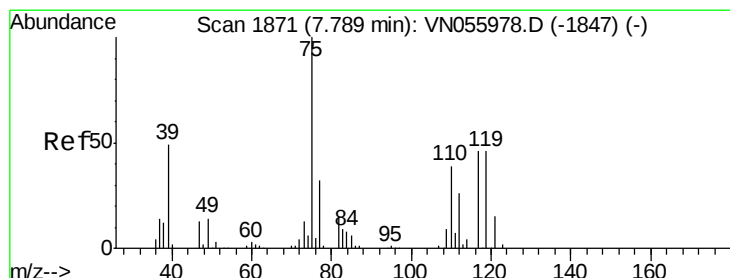
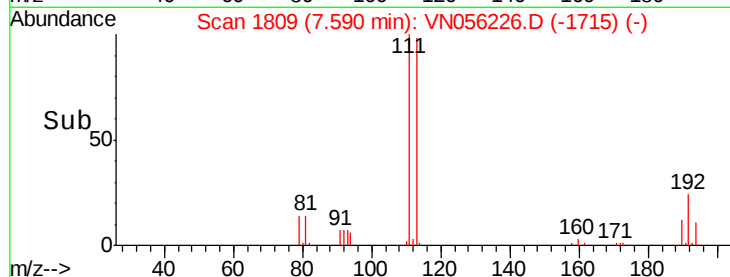
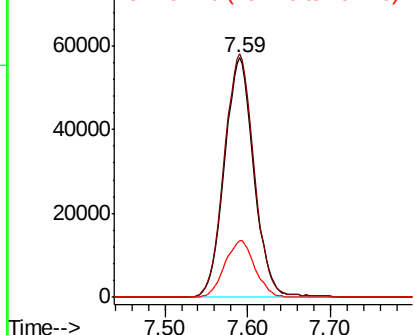


Abundance

Ion 112.80 (112.50 to 113.50): V

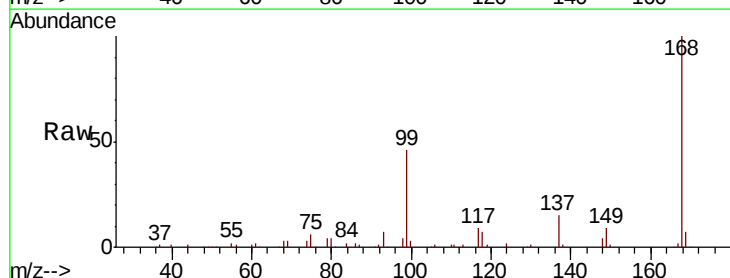
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 4.315 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. -0.13 min
Lab File: VN056226.D
Acq: 11 Jun 2019 16:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	19.0	57.0#
77	0.0	25.1	37.7#

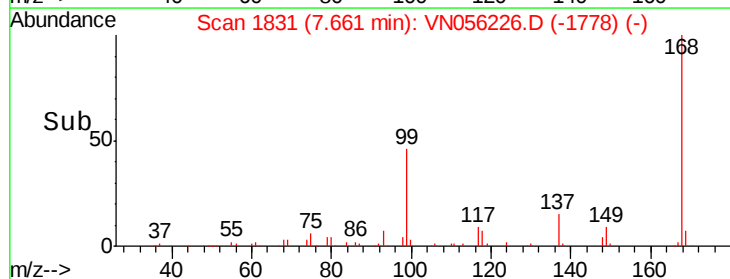
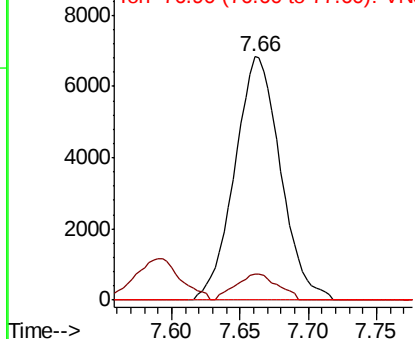


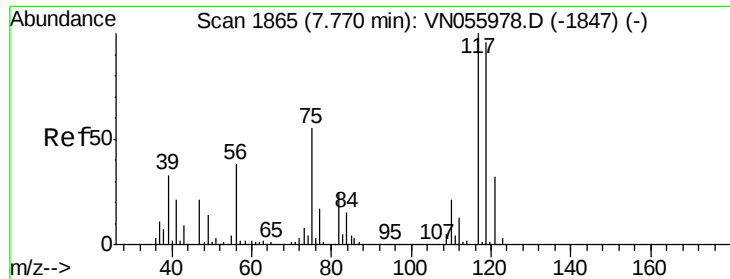
Abundance

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: 6.769 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056226.D

Acq: 11 Jun 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW303D-20190610

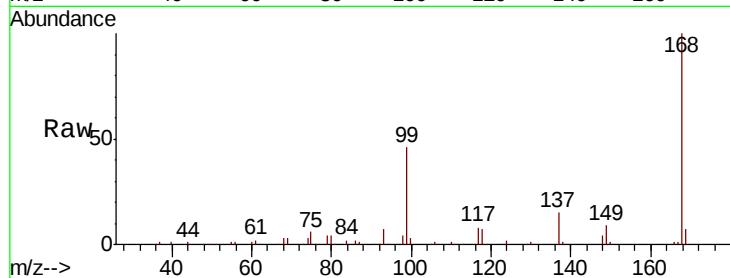
Tot Ion:117 Resp: 23070

Ion Ratio Lower Upper

117 100

119 5.3 79.0 118.6#

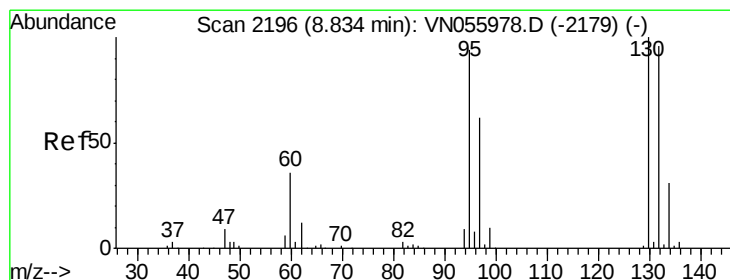
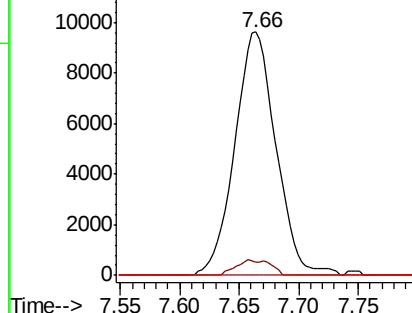
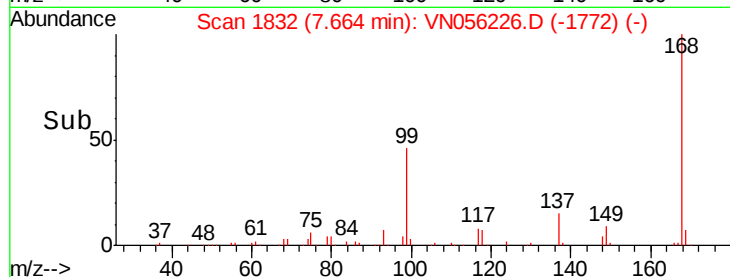
121 0.0 24.7 37.1#



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: 1.352 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056226.D

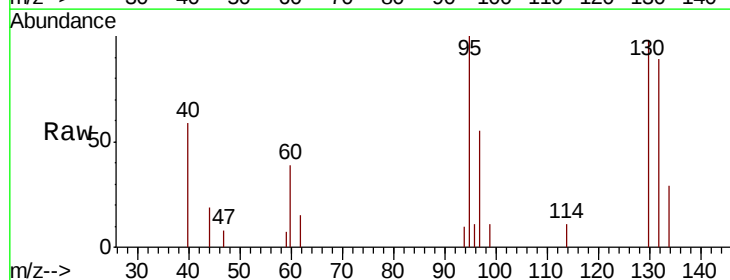
Acq: 11 Jun 2019 16:27

Tgt Ion:130 Resp: 4361

Ion Ratio Lower Upper

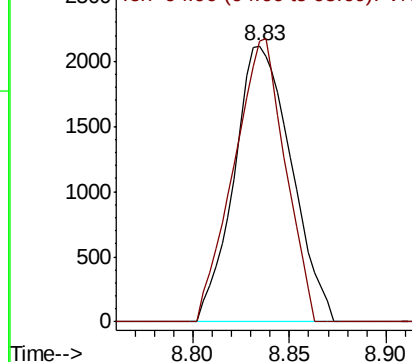
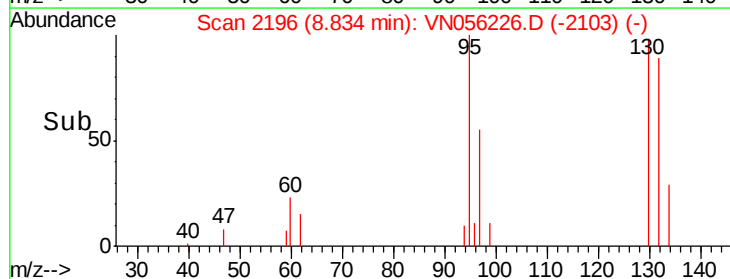
130 100

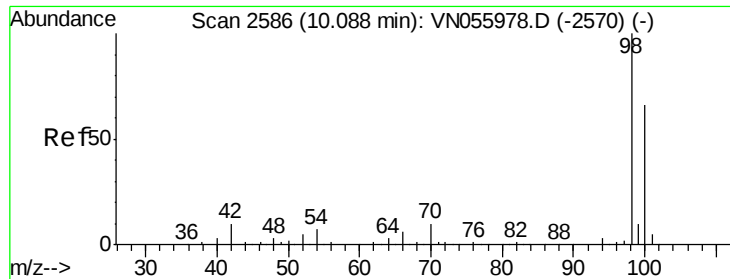
95 102.0 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 53.677 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056226.D

Acq: 11 Jun 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

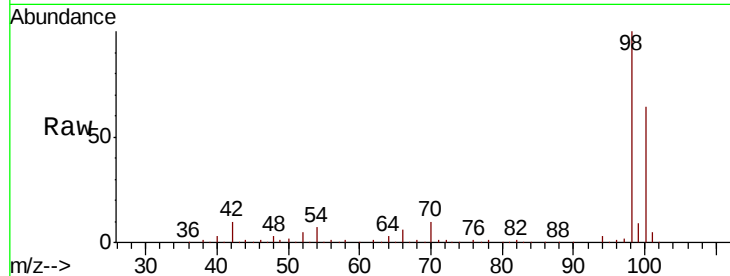
BPS1-TT-MW303D-20190610

Tot Ion: 98 Resp: 544853

Ion Ratio Lower Upper

98 100

100 64.3 51.9 77.9



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

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)

10.09

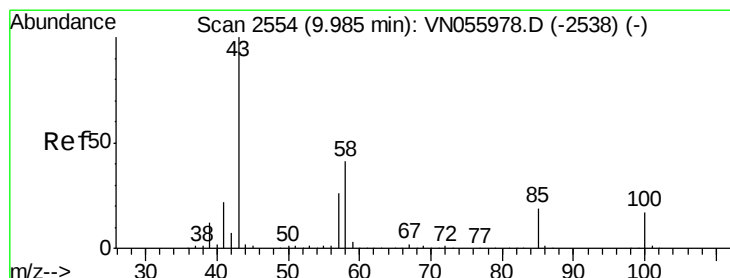
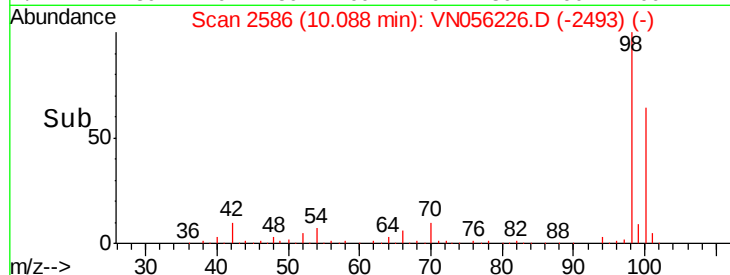
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.691 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN056226.D

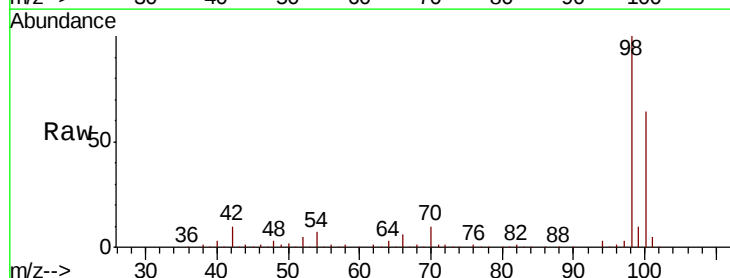
Acq: 11 Jun 2019 16:27

Tgt Ion: 43 Resp: 2304

Ion Ratio Lower Upper

43 100

58 178.2 32.1 48.1#



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

Ion 58.00 (57.70 to 58.70): VN055978.D (-2538) (-)

10.09

2500

2000

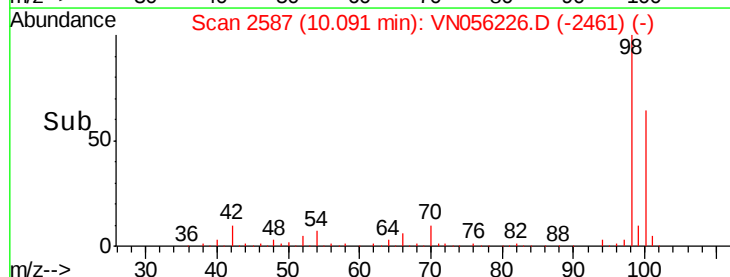
1500

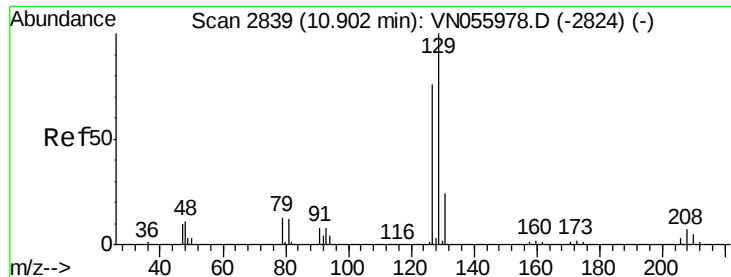
1000

500

0

Time-->

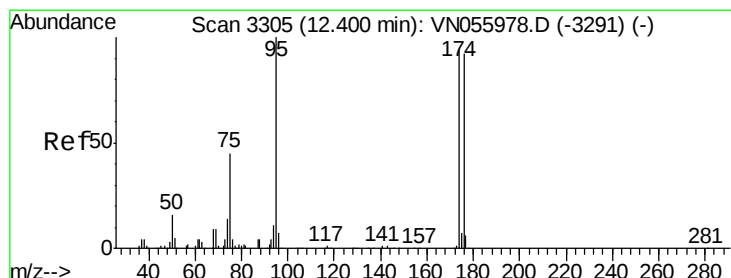
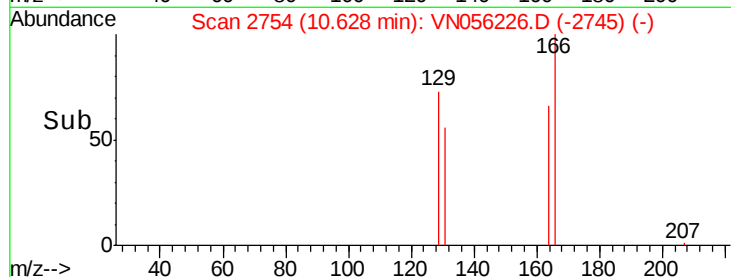
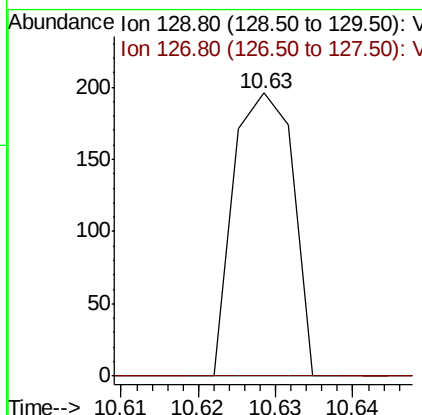
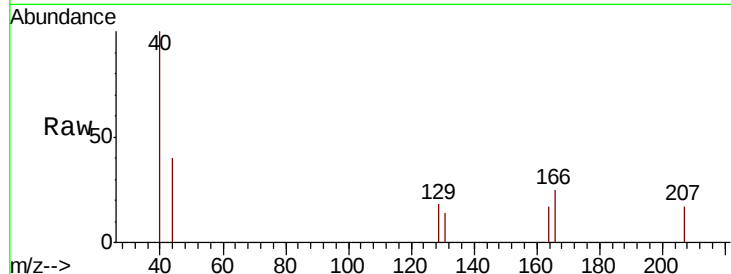




#60
 Dibromochloromethane
 Concen: 2.484 ug/l
 RT: 10.63 min Scan# 2754
 Delta R.T. -0.27 min
 Lab File: VN056226.D
 Acq: 11 Jun 2019 16:27

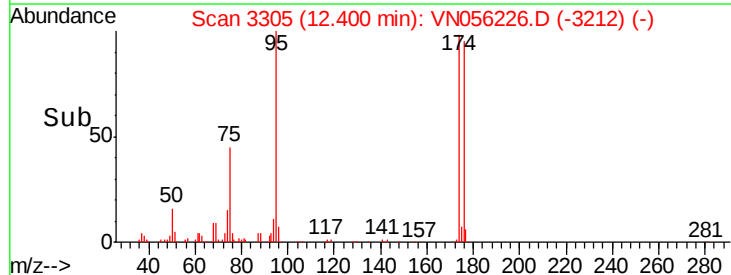
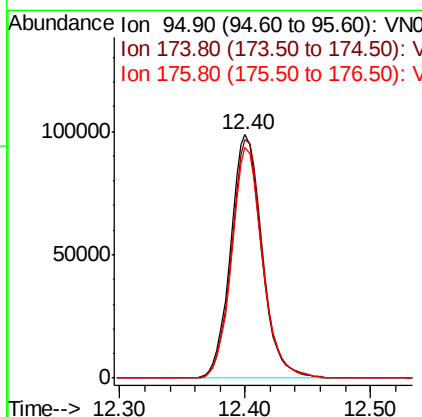
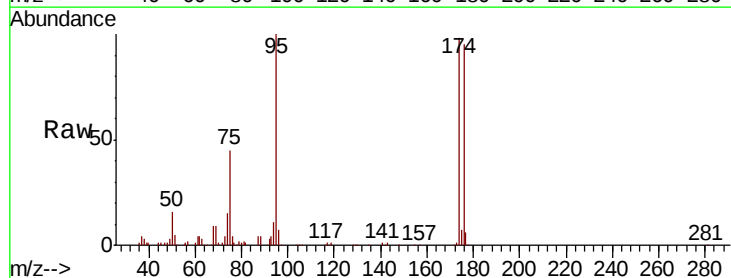
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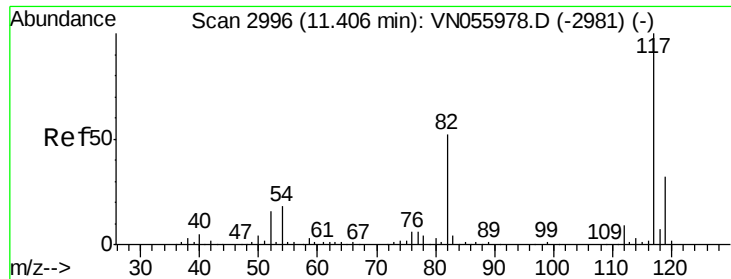
Tot Ion:129 Resp: 104
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.1 114.3#



#62
 4-Bromofluorobenzene
 Concen: 49.133 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056226.D
 Acq: 11 Jun 2019 16:27

Tgt Ion: 95 Resp: 169605
 Ion Ratio Lower Upper
 95 100
 174 98.5 0.0 191.0
 176 93.6 0.0 185.2

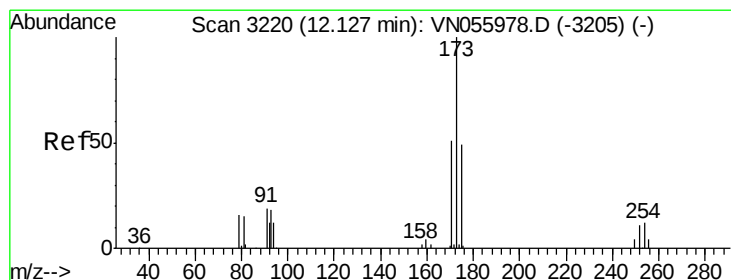
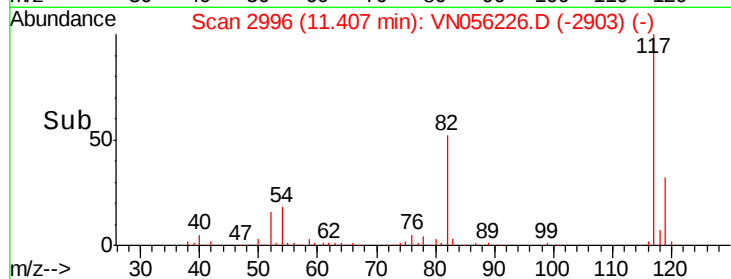
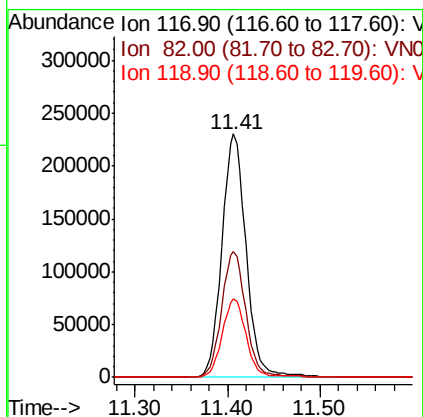
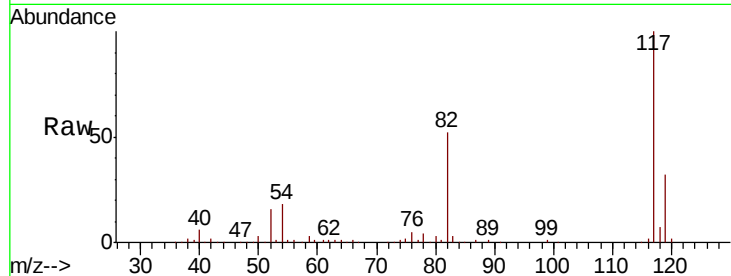




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056226.D
Acq: 11 Jun 2019 16:27

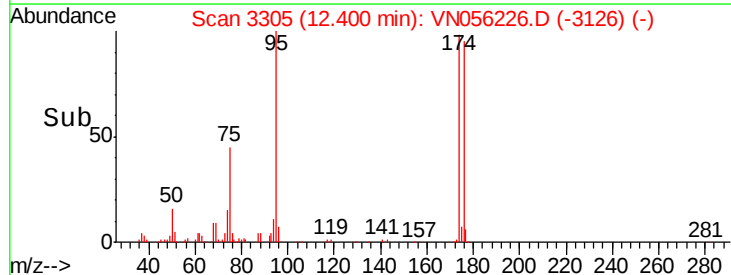
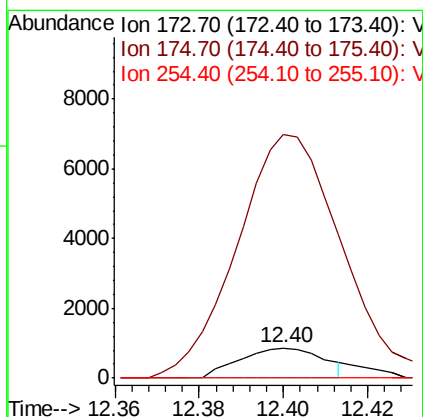
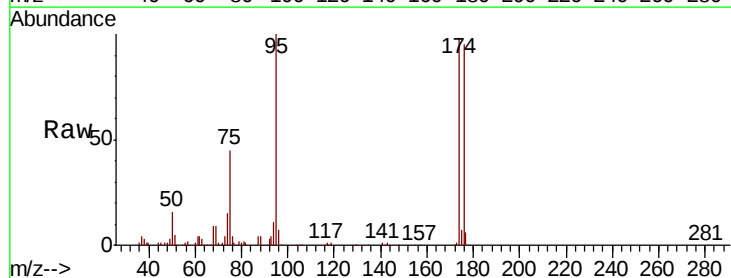
Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW303D-20190610

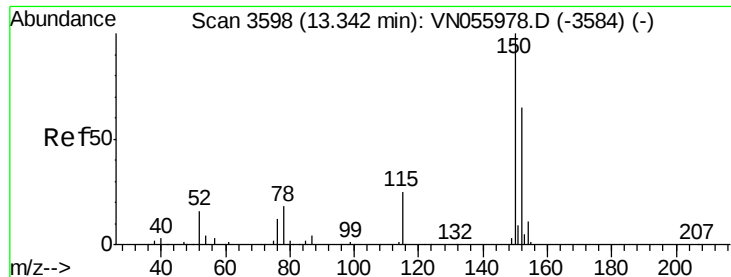
Tot Ion:117 Resp: 417684
Ion Ratio Lower Upper
117 100
82 51.5 41.8 62.8
119 32.4 25.4 38.0



#71
Bromoform
Concen: 3.204 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056226.D
Acq: 11 Jun 2019 16:27

Tgt Ion:173 Resp: 1177
Ion Ratio Lower Upper
173 100
175 882.2 24.3 72.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056226.D

Acq: 11 Jun 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW303D-20190610

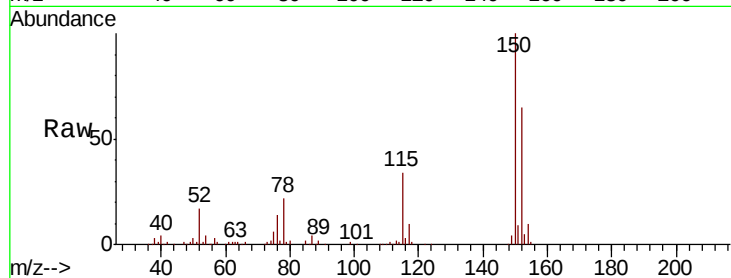
Tot Ion:152 Resp: 124883

Ion Ratio Lower Upper

152 100

115 52.3 27.0 81.0

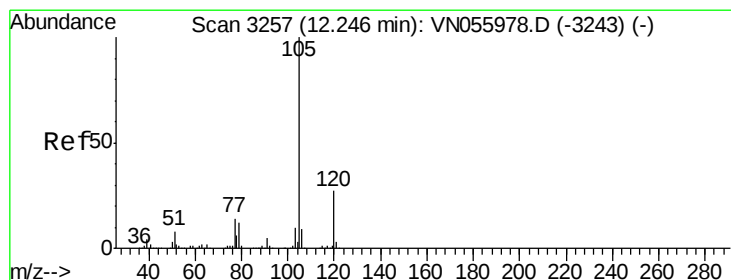
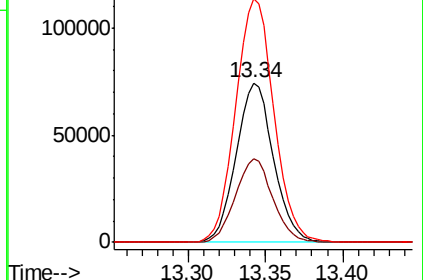
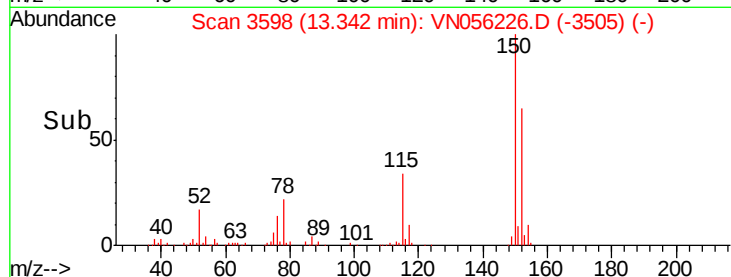
150 156.7 0.0 343.2



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



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.40 min Scan# 3304

Delta R.T. 0.15 min

Lab File: VN056226.D

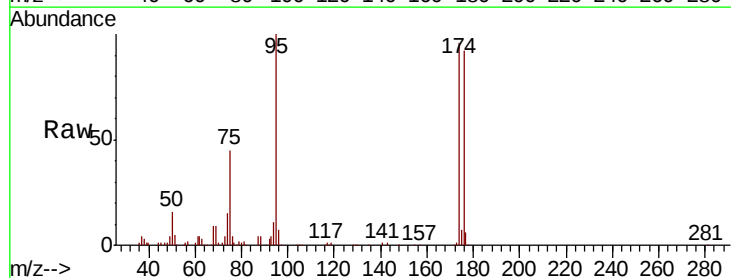
Acq: 11 Jun 2019 16:27

Tgt Ion:105 Resp: 65

Ion Ratio Lower Upper

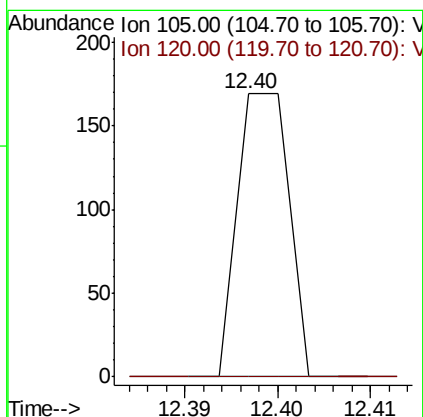
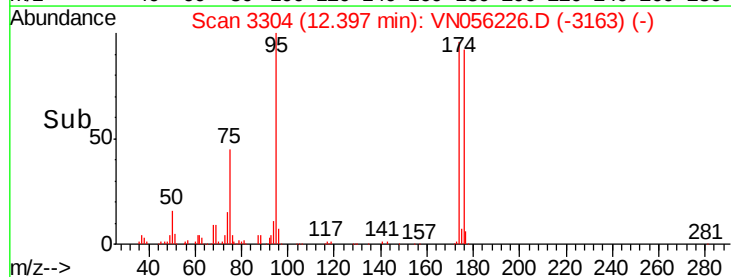
105 100

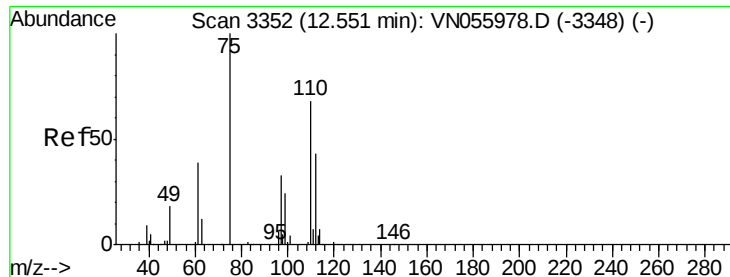
120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

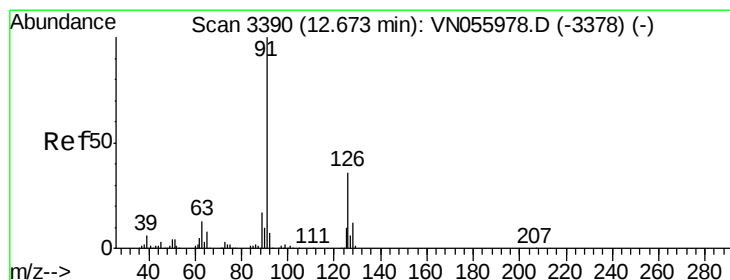
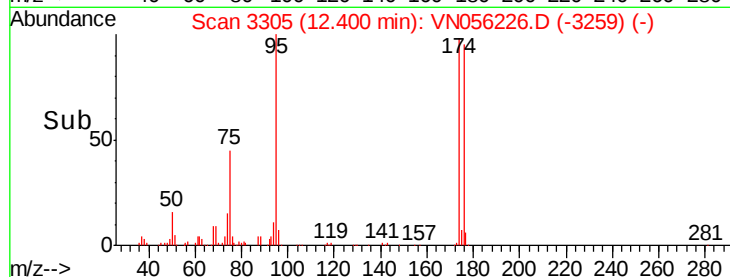
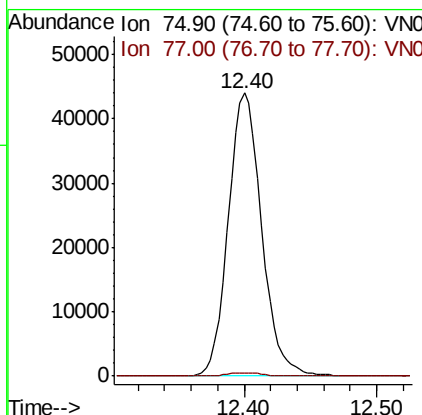
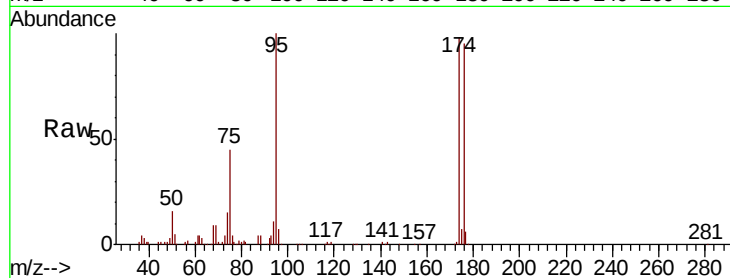




#76
 1,2,3-Trichloropropane
 Concen: 33.457 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN056226.D
 Acq: 11 Jun 2019 16:27

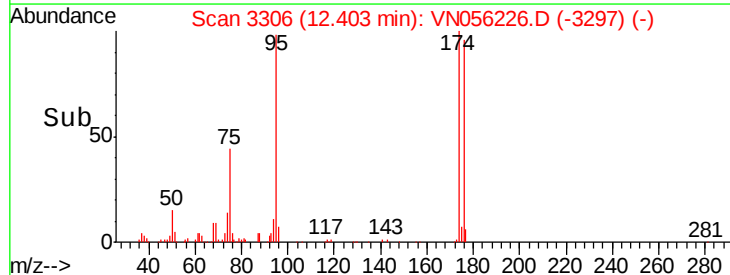
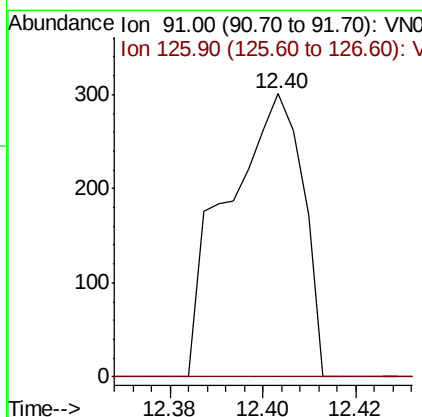
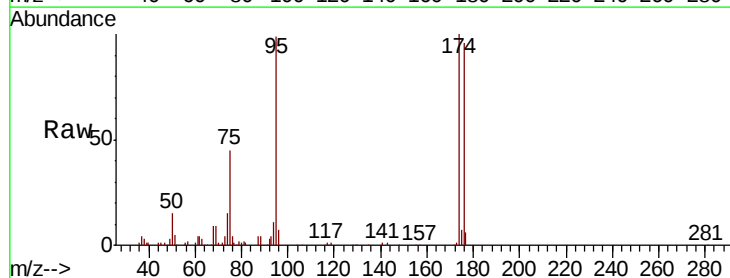
Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW303D-20190610

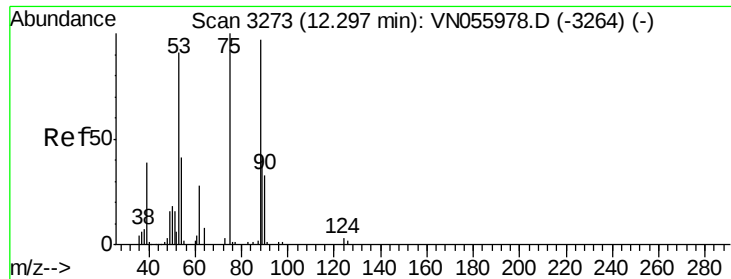
Tot Ion: 75 Resp: 76881
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.27 min
 Lab File: VN056226.D
 Acq: 11 Jun 2019 16:27

Tgt Ion: 91 Resp: 341
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.1 54.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 111.418 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056226.D

Acq: 11 Jun 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW303D-20190610

Tot Ion: 75 Resp: 76881

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#

