

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061119\
 Data File : VN056225.D
 Acq On : 11 Jun 2019 16:02
 Operator : JC/SP
 Sample : K3284-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW303I2-20190610

Quant Time: Jun 12 06:34:43 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	301235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	447599	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	436755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	135454	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	157495	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
35) Dibromofluoromethane	7.59	113	148616	54.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.24%	
50) Toluene-d8	10.09	98	574152	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	
62) 4-Bromofluorobenzene	12.40	95	177761	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	

Target Compounds

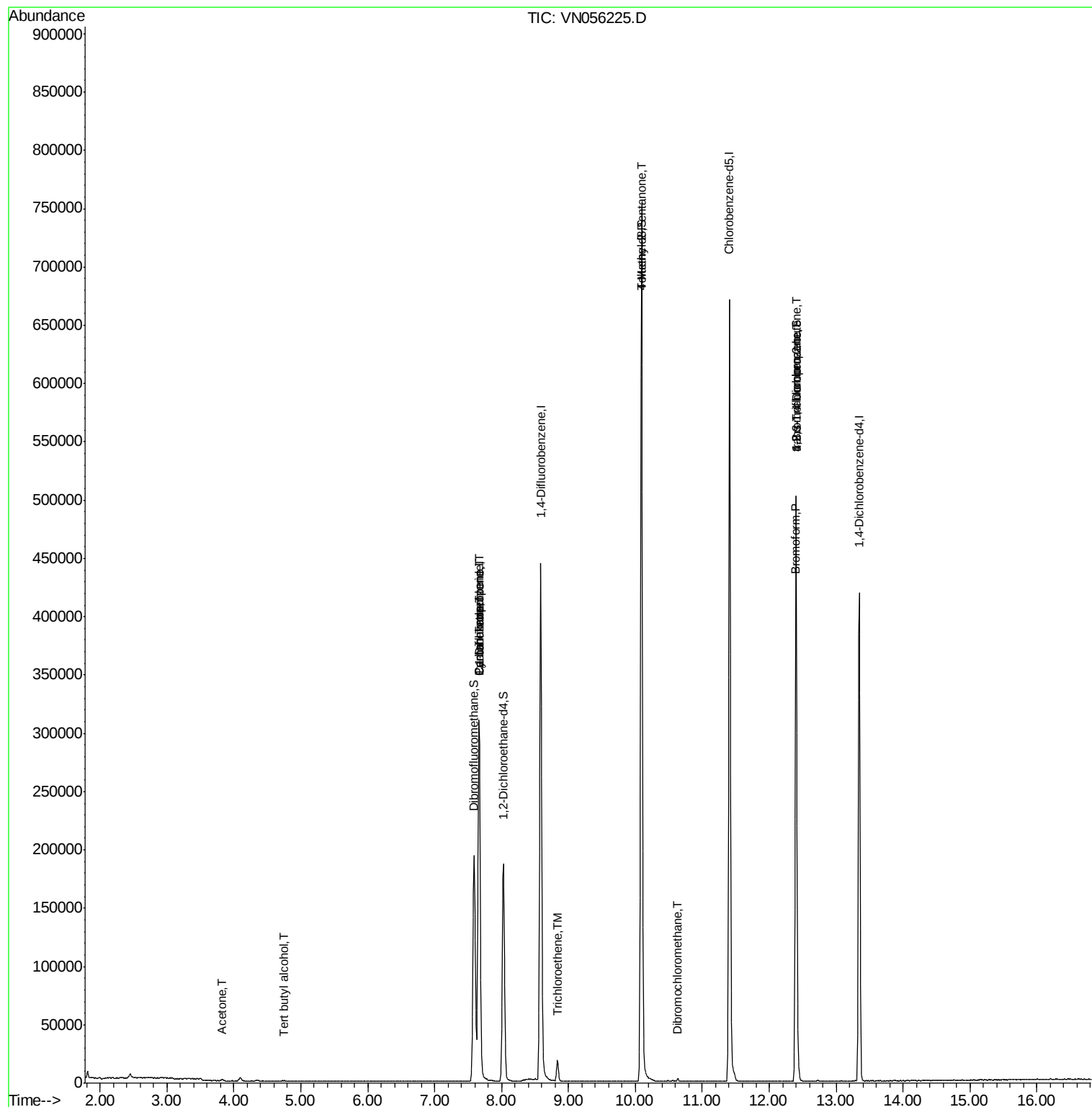
					Qvalue
11) Tert butyl alcohol	4.75	59	122	0.234 ug/l #	74
16) Acetone	3.82	43	2475	1.730 ug/l	92
18) Methyl Acetate	4.34	43	963	Below Cal #	58
31) Cyclohexane	7.66	56	3950	0.832 ug/l #	1
36) 1,1-Dichloropropene	7.66	75	16565	4.304 ug/l #	45
38) Carbon Tetrachloride	7.66	117	24004	6.765 ug/l #	15
44) Trichloroethene	8.84	130	7773	2.314 ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	2181	0.628 ug/l #	1
60) Dibromochloromethane	10.63	129	535	2.612 ug/l #	11
71) Bromoform	12.38	173	44	2.759 ug/l #	29
76) 1,2,3-Trichloropropane	12.40	75	80088	32.133 ug/l #	100
79) 2-Chlorotoluene	12.40	91	467	Below Cal #	39
81) trans-1,4-Dichloro-2-buten	12.40	75	80088	107.008 ug/l #	15

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

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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: VN056225.D

Acq: 11 Jun 2019 16:02

Instrument :

MSVOA_N

ClientSampleId :

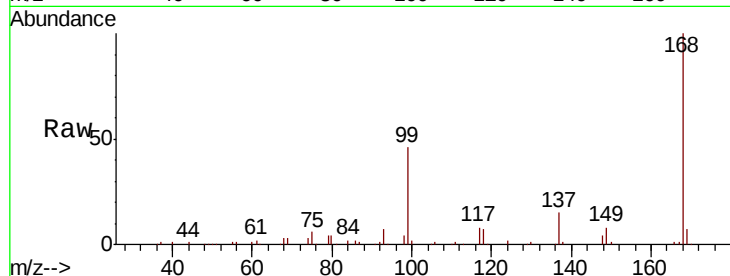
BPS1-TT-MW303I2-20190610

Tot Ion:168 Resp: 301235

Ion Ratio Lower Upper

168 100

99 45.7 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

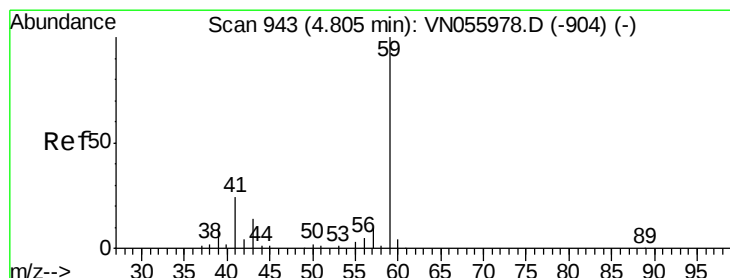
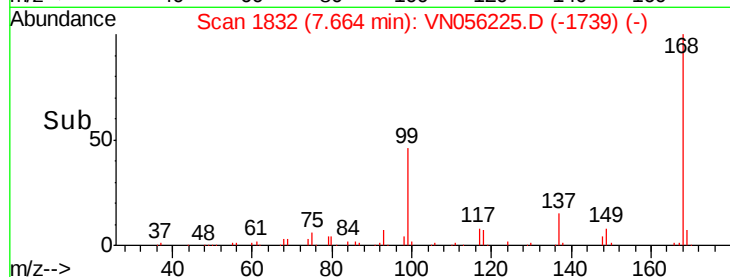
7.66

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.234 ug/l

RT: 4.75 min Scan# 927

Delta R.T. -0.05 min

Lab File: VN056225.D

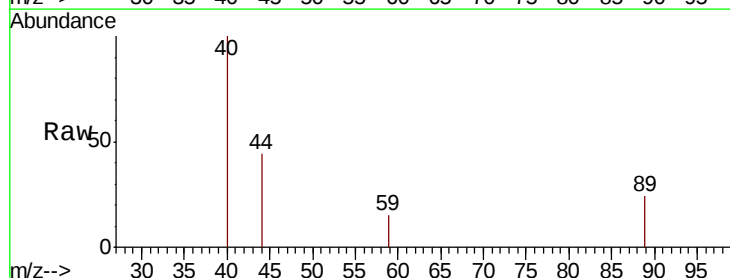
Acq: 11 Jun 2019 16:02

Tgt Ion: 59 Resp: 122

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.75

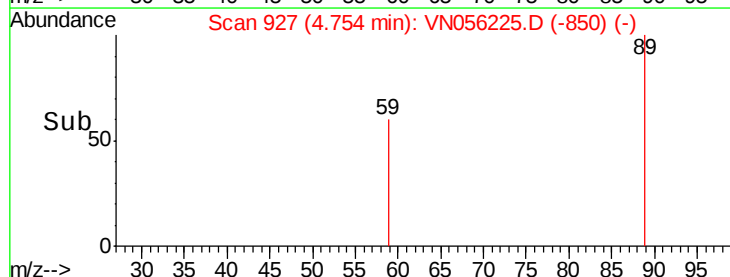
150

100

50

0

Time-->





#16

Acetone

Concen: 1.730 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056225.D

Acq: 11 Jun 2019 16:02

Instrument :

MSVOA_N

ClientSampleId :

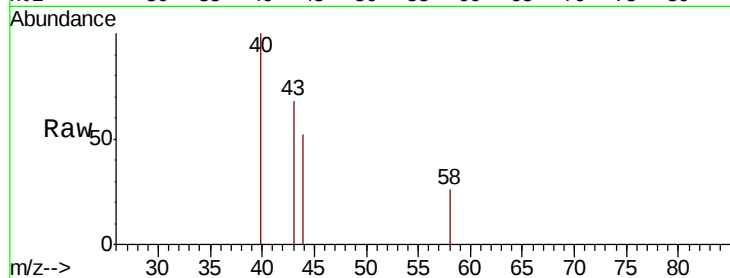
BPS1-TT-MW303I2-20190610

Tot Ion: 43 Resp: 2475

Ion Ratio Lower Upper

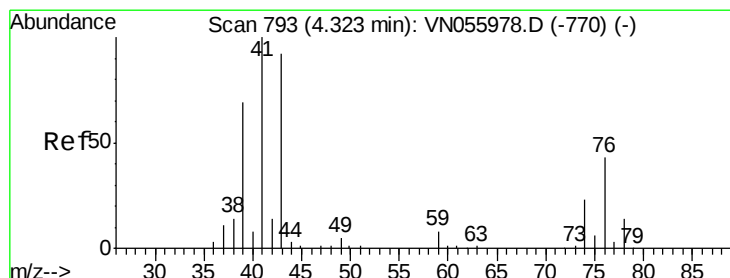
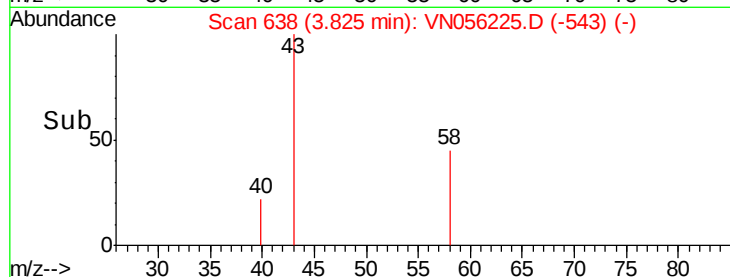
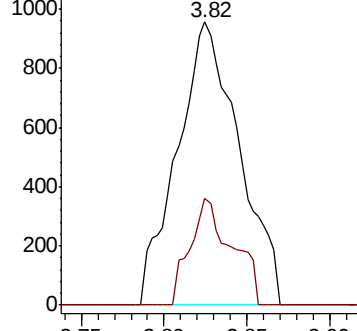
43 100

58 37.8 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN056225.D

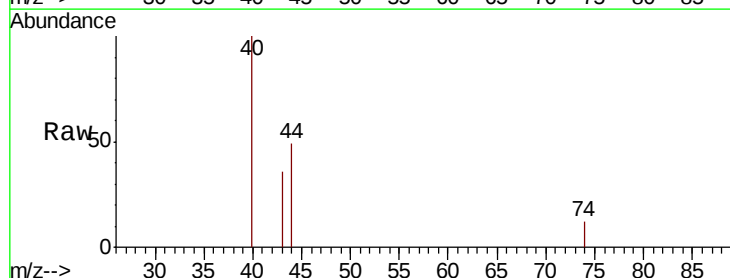
Acq: 11 Jun 2019 16:02

Tgt Ion: 43 Resp: 963

Ion Ratio Lower Upper

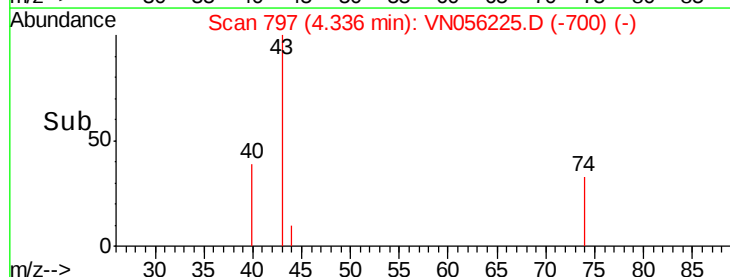
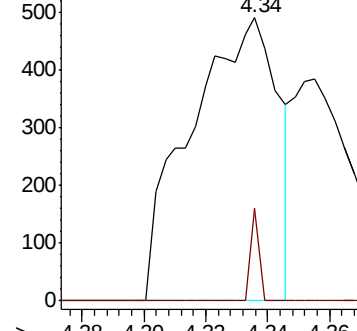
43 100

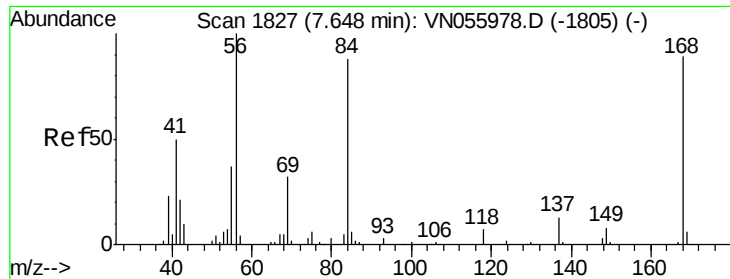
74 3.2 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

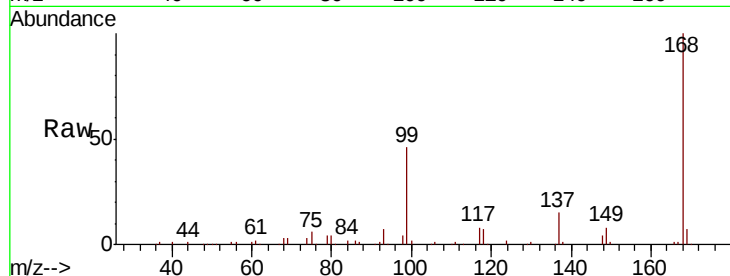




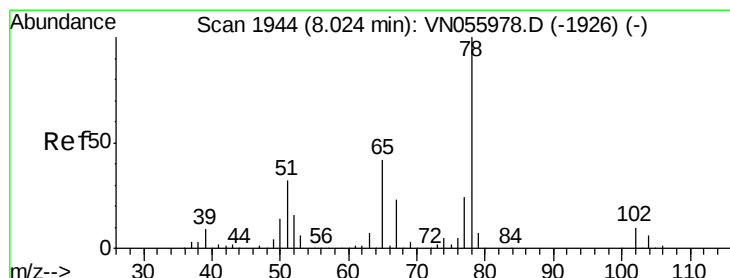
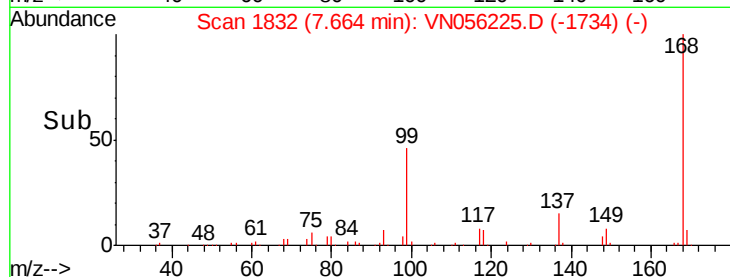
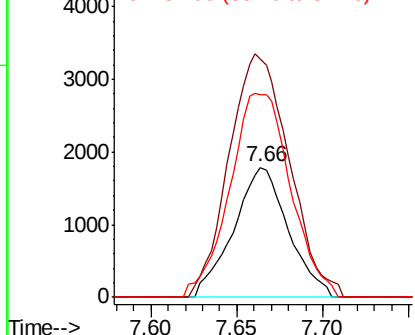
#31
Cyclohexane
Concen: 0.832 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN056225.D
Acq: 11 Jun 2019 16:02

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW303I2-20190610

Tot Ion: 56 Resp: 3950
Ion Ratio Lower Upper
56 100
69 183.5 25.6 38.4#
84 155.5 67.4 101.0#

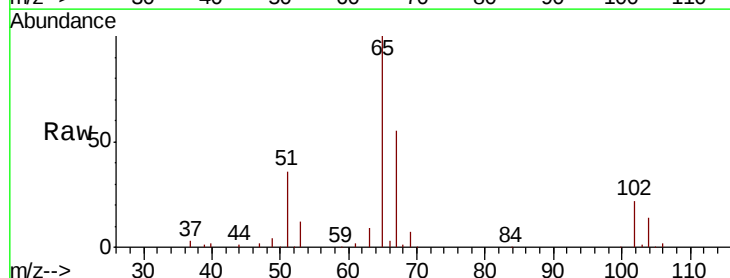


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

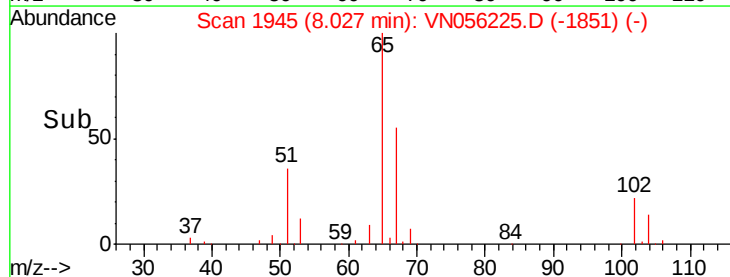
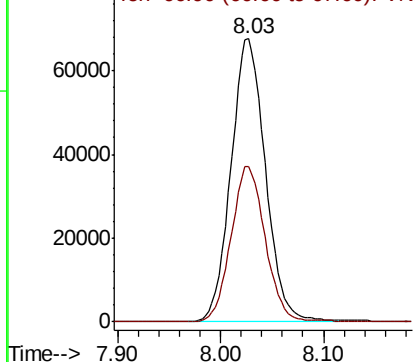


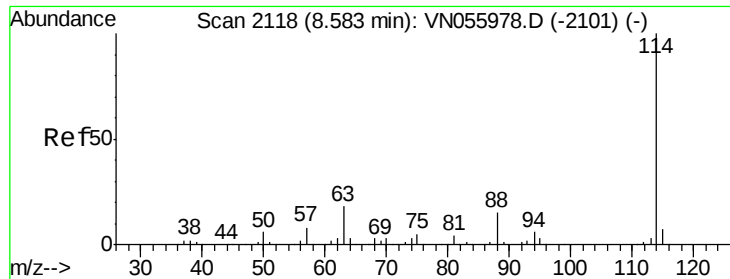
#33
1,2-Dichloroethane-d4
Concen: 52.656 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056225.D
Acq: 11 Jun 2019 16:02

Tgt Ion: 65 Resp: 157495
Ion Ratio Lower Upper
65 100
67 54.7 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

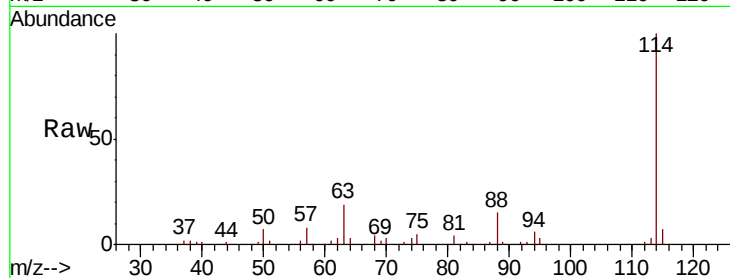




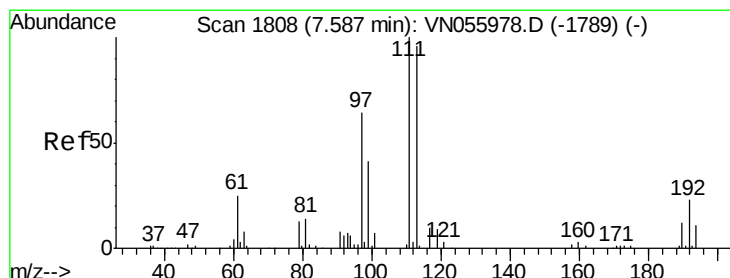
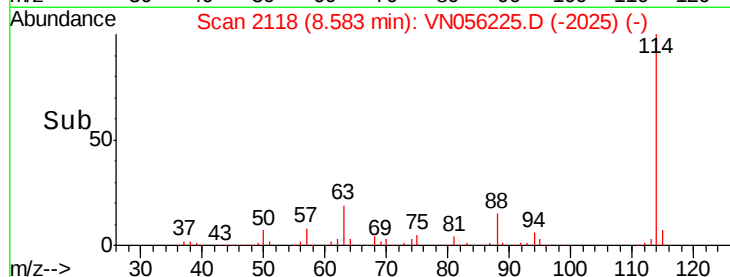
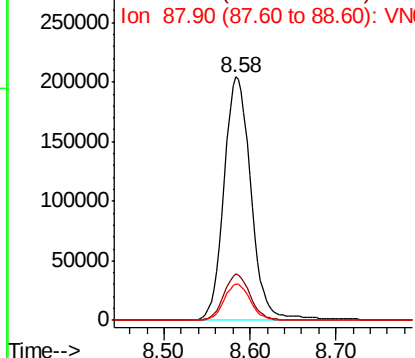
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056225.D
 Acq: 11 Jun 2019 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW303I2-20190610

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.2
88	14.8	0.0	31.0

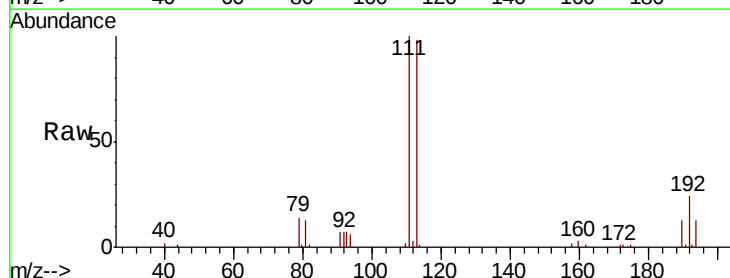


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

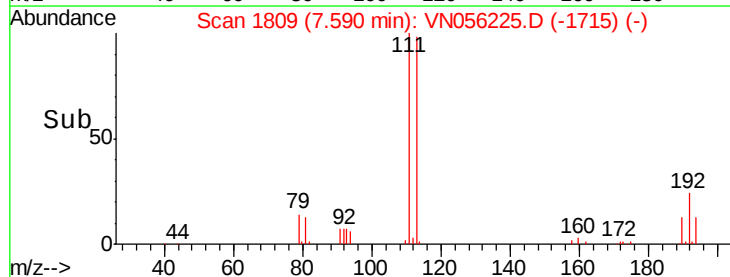
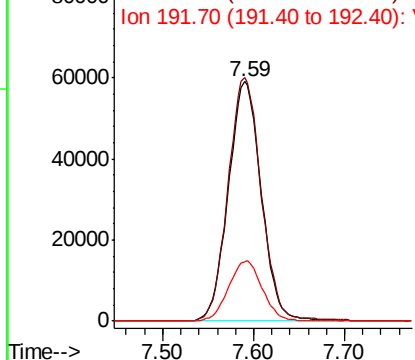


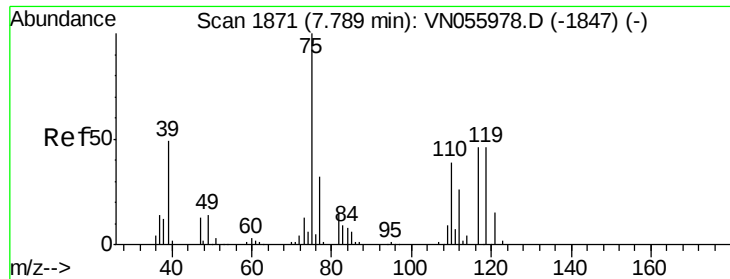
#35
 Dibromofluoromethane
 Concen: 54.118 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056225.D
 Acq: 11 Jun 2019 16:02

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.9	122.9
192	25.6	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

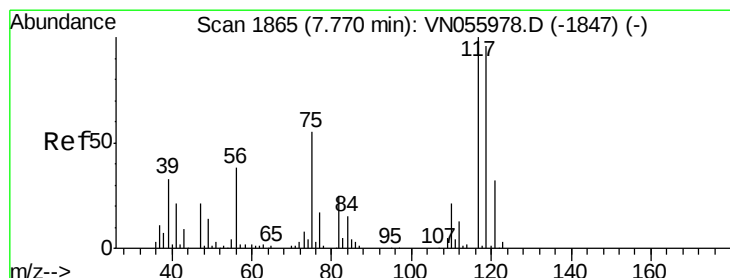
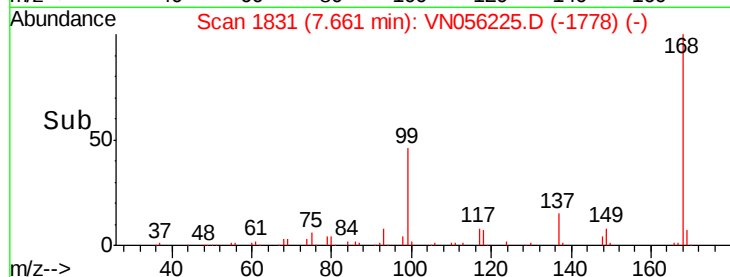
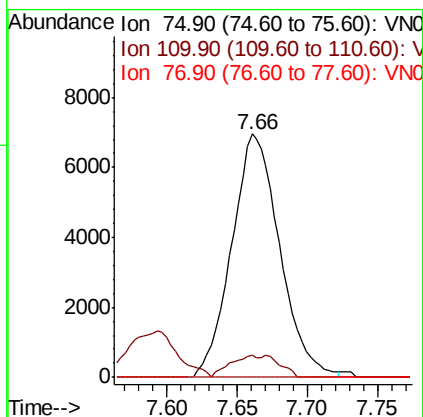
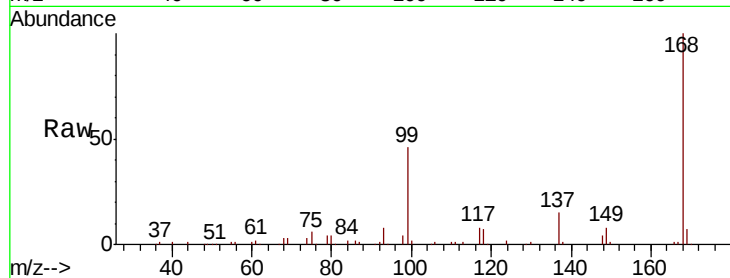




#36
 1,1-Dichloropropene
 Concen: 4.304 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN056225.D
 Acq: 11 Jun 2019 16:02

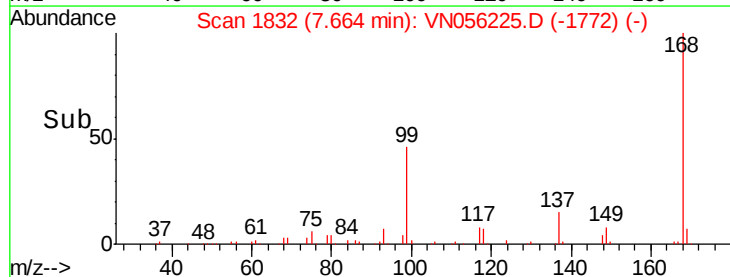
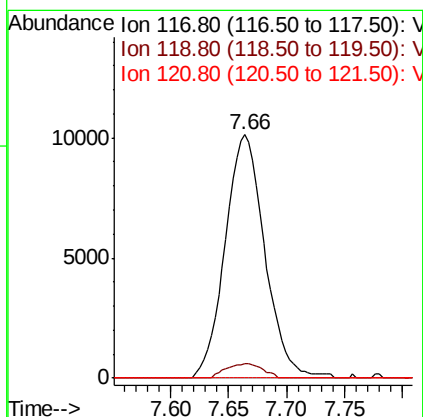
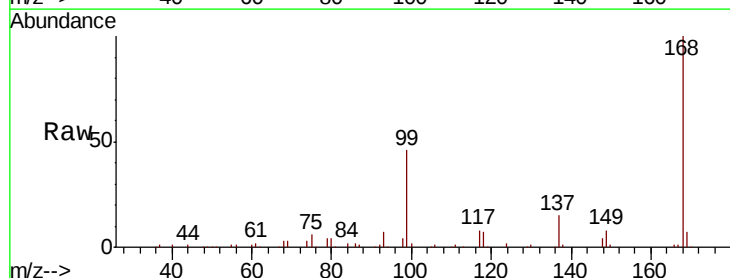
Instrument :
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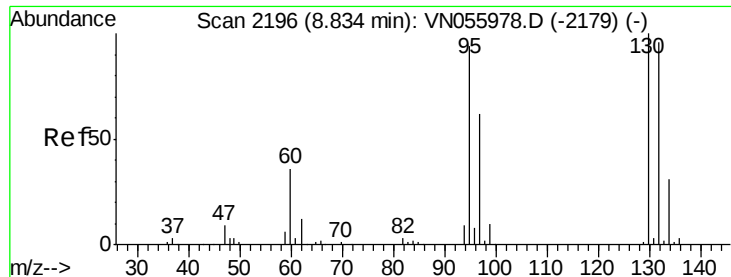
Tot Ion	75	Resp	16565
Ion Ratio	Lower	Upper	
75	100		
110	5.8	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.765 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056225.D
 Acq: 11 Jun 2019 16:02

Tgt Ion	117	Resp	24004
Ion Ratio	Lower	Upper	
117	100		
119	5.9	79.0	118.6#
121	0.0	24.7	37.1#

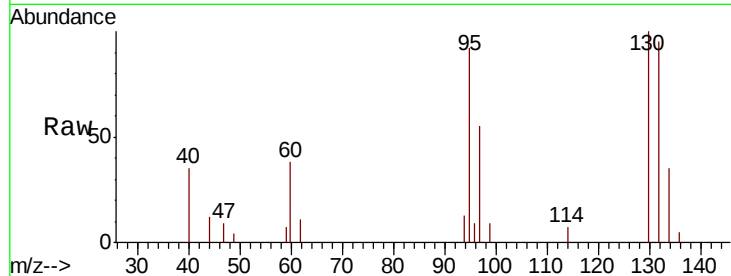




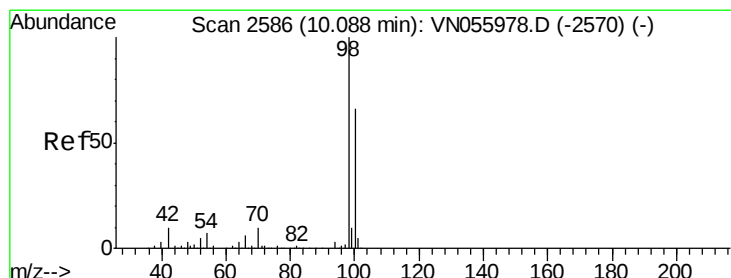
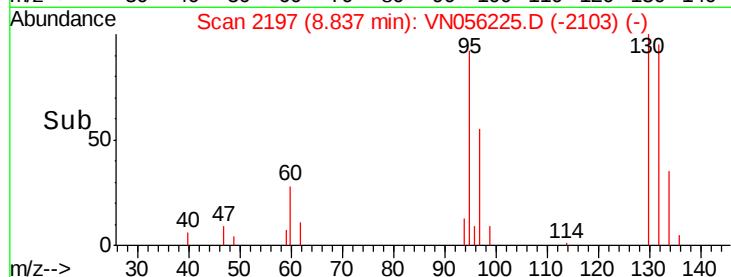
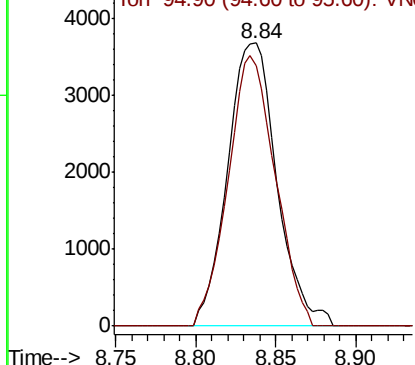
#44
 Trichloroethene
 Concen: 2.314 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN056225.D
 Acq: 11 Jun 2019 16:02

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW303I2-20190610

Tot Ion:130 Resp: 7773
 Ion Ratio Lower Upper
 130 100
 95 92.1 0.0 188.0

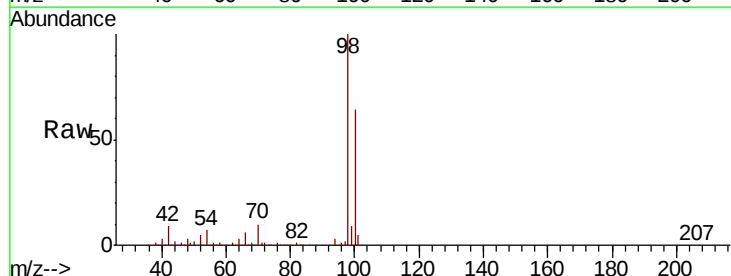


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN

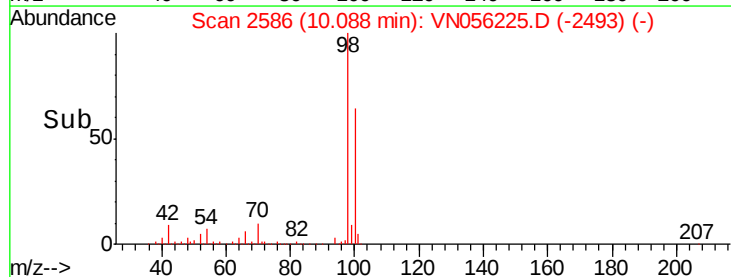
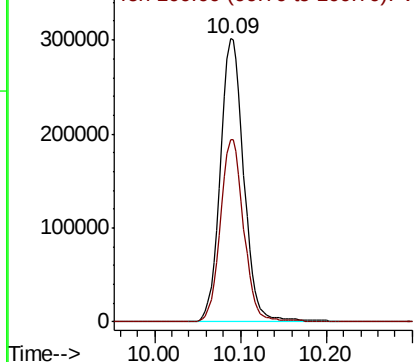


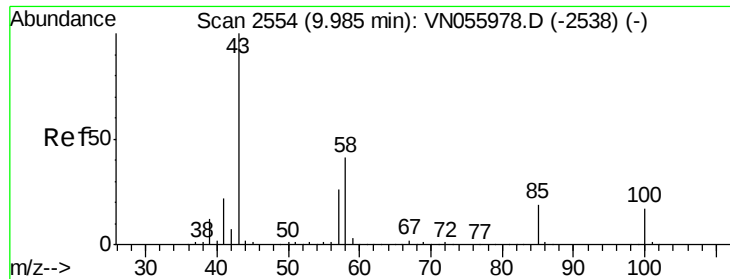
#50
 Toluene-d8
 Concen: 54.333 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN056225.D
 Acq: 11 Jun 2019 16:02

Tgt Ion: 98 Resp: 574152
 Ion Ratio Lower Upper
 98 100
 100 63.9 51.9 77.9



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





#51

4-Methyl-2-Pentanone

Concen: 0.628 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.10 min

Lab File: VN056225.D

Acq: 11 Jun 2019 16:02

Instrument :

MSVOA_N

ClientSampleId :

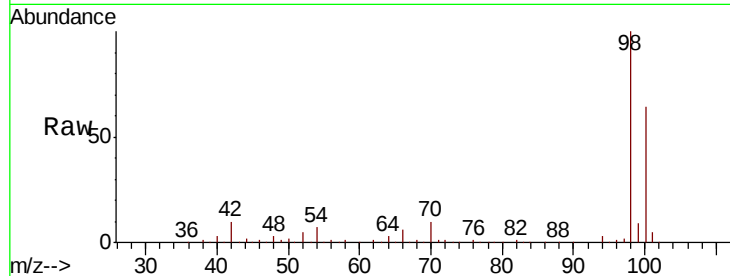
BPS1-TT-MW303I2-20190610

Tot Ion: 43 Resp: 2181

Ion Ratio Lower Upper

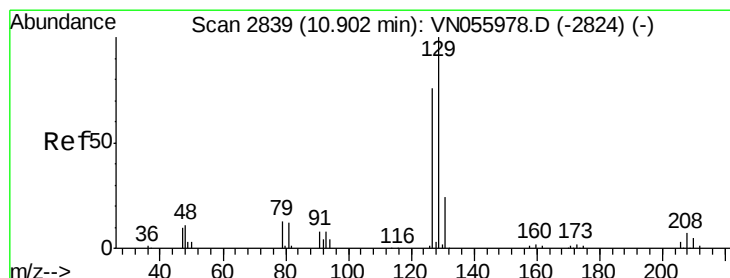
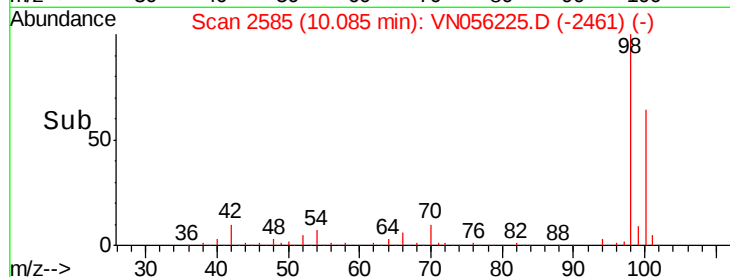
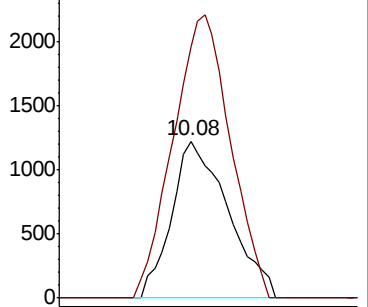
43 100

58 182.3 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) (-)



#60

Dibromochloromethane

Concen: 2.612 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.27 min

Lab File: VN056225.D

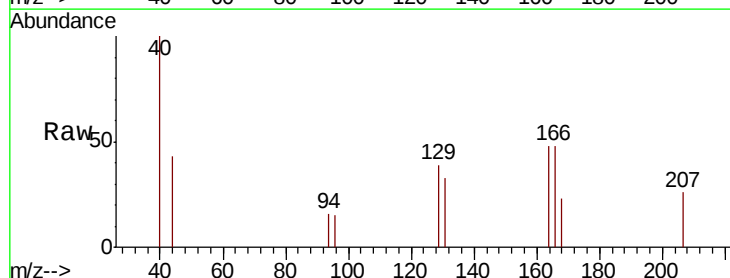
Acq: 11 Jun 2019 16:02

Tgt Ion: 129 Resp: 535

Ion Ratio Lower Upper

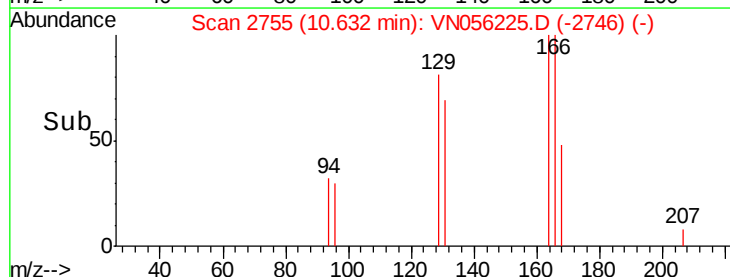
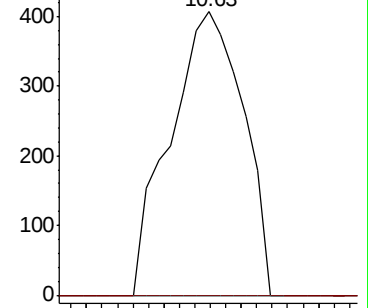
129 100

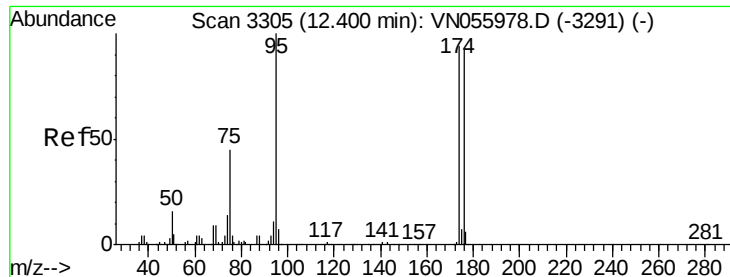
127 0.0 38.1 114.3#



Abundance Ion 128.80 (128.50 to 129.50): VN055978.D (-2824) (-)

Ion 126.80 (126.50 to 127.50): VN055978.D (-2824) (-)

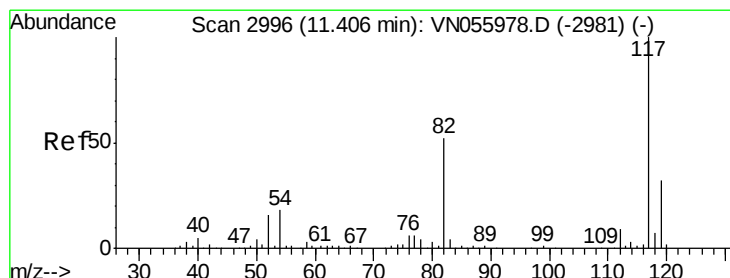
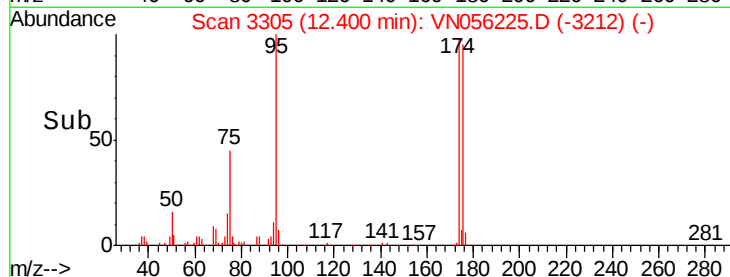
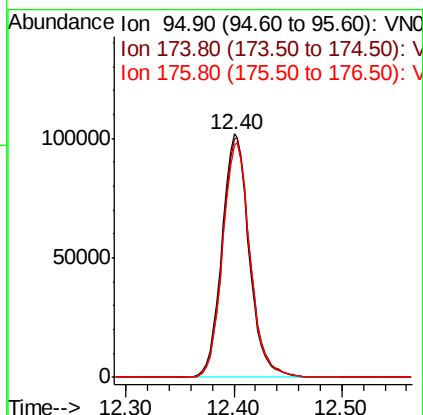
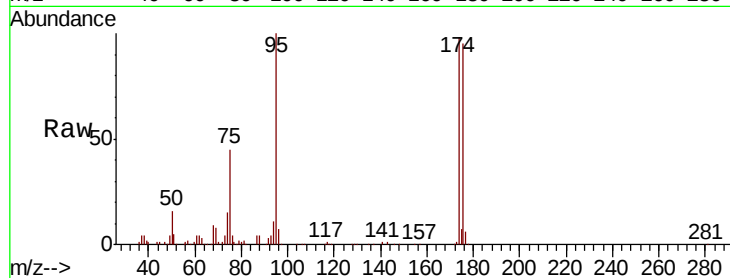




#62
4-Bromofluorobenzene
Concen: 49.465 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056225.D
Acq: 11 Jun 2019 16:02

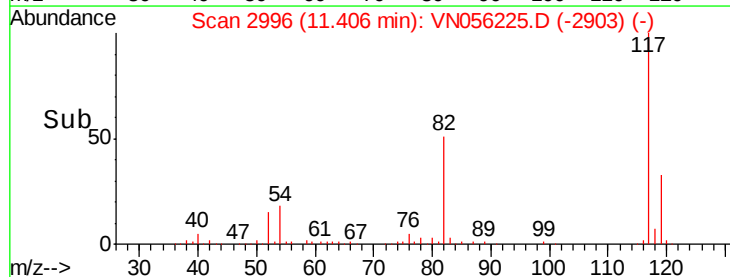
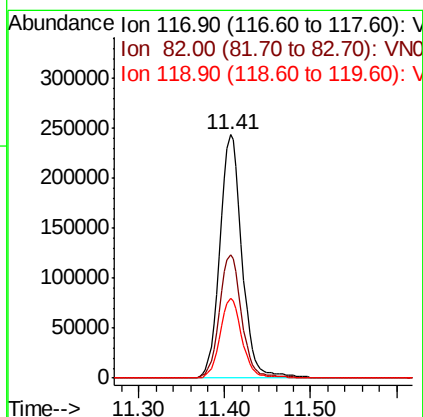
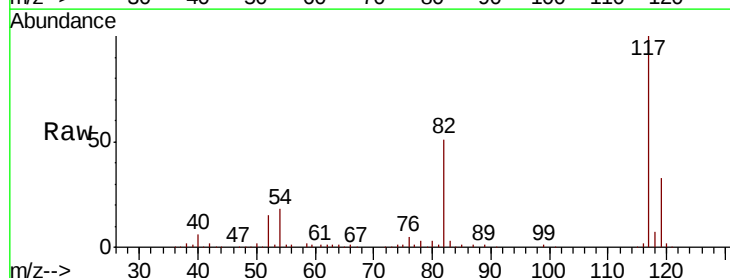
Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW303I2-20190610

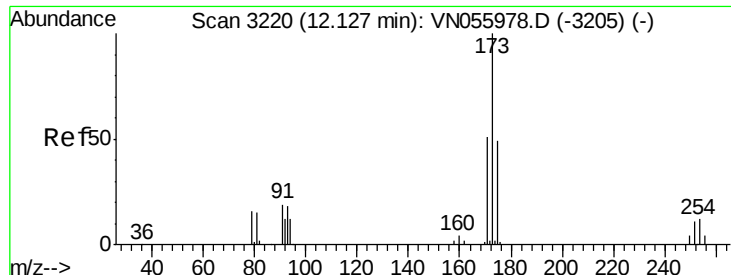
Tot Ion: 95 Resp: 177761
Ion Ratio Lower Upper
95 100
174 99.8 0.0 191.0
176 97.4 0.0 185.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056225.D
Acq: 11 Jun 2019 16:02

Tgt Ion: 117 Resp: 436755
Ion Ratio Lower Upper
117 100
82 50.7 41.8 62.8
119 32.6 25.4 38.0

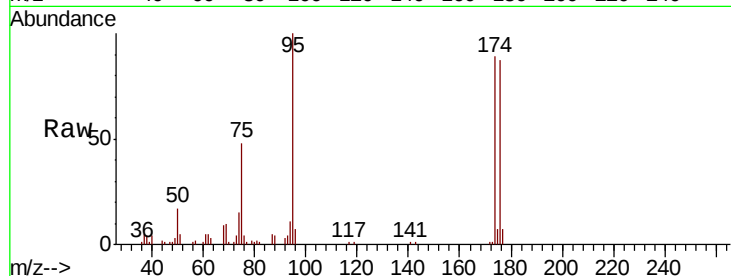




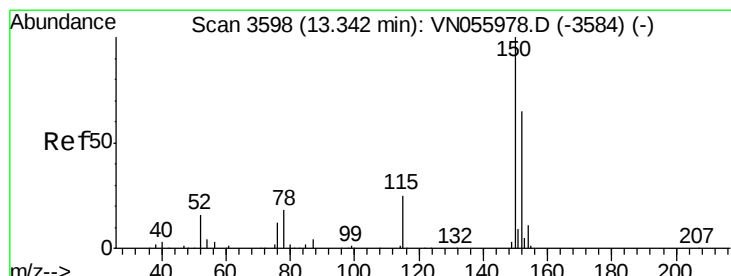
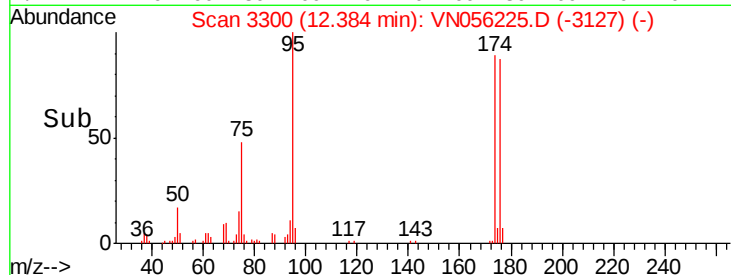
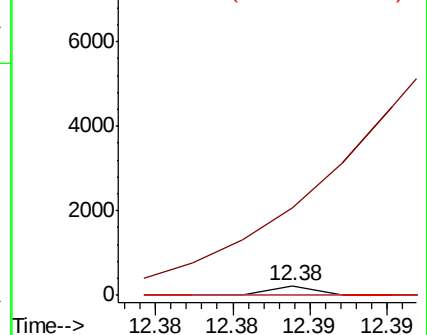
#71
Bromoform
Concen: 2.759 ug/l
RT: 12.38 min Scan# 3300
Delta R.T. 0.26 min
Lab File: VN056225.D
Acq: 11 Jun 2019 16:02

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW303I2-20190610

Tot Ion:173 Resp: 44
Ion Ratio Lower Upper
173 100
175 0.0 24.3 72.8#
254 0.0 0.0 0.0

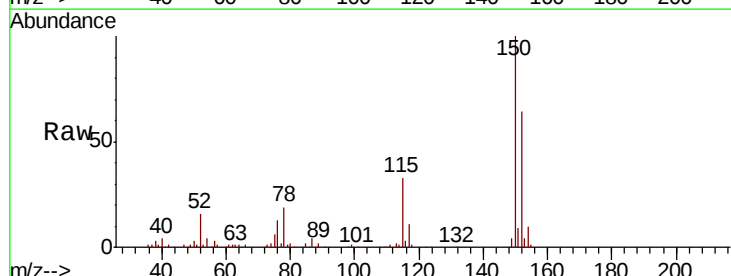


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

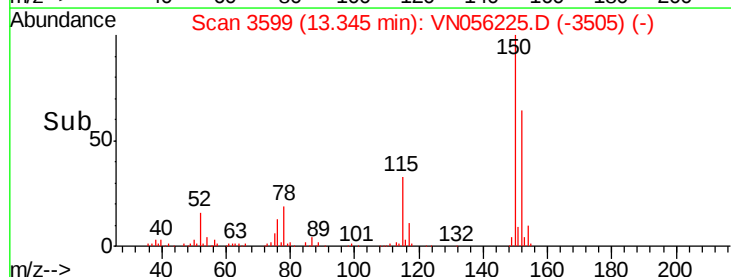
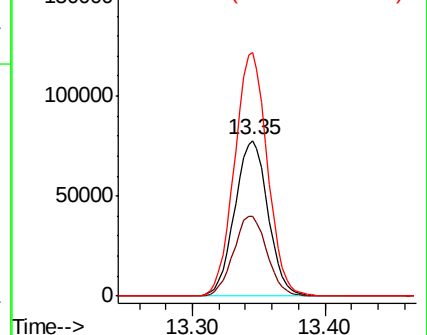


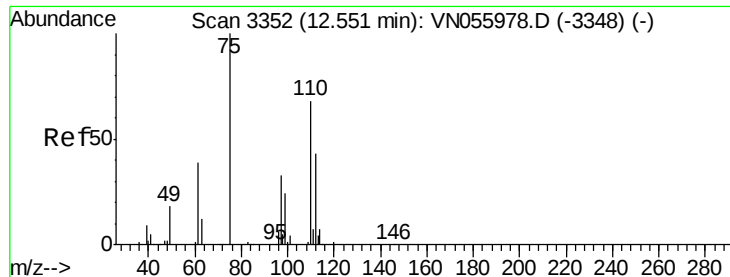
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN056225.D
Acq: 11 Jun 2019 16:02

Tgt Ion:152 Resp: 135454
Ion Ratio Lower Upper
152 100
115 51.8 27.0 81.0
150 154.6 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





#76

1,2,3-Trichloropropane

Concen: 32.133 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056225.D

Acq: 11 Jun 2019 16:02

Instrument :

MSVOA_N

ClientSampleId :

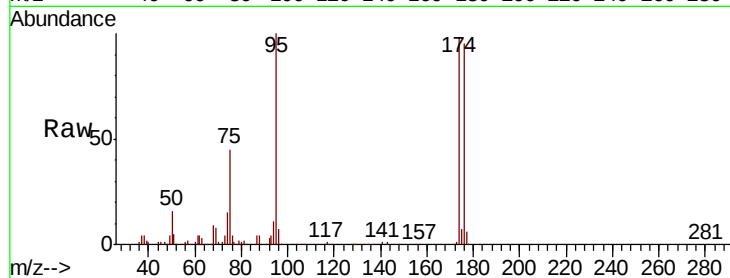
BPS1-TT-MW303I2-20190610

Tot Ion: 75 Resp: 80088

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

50000

40000

30000

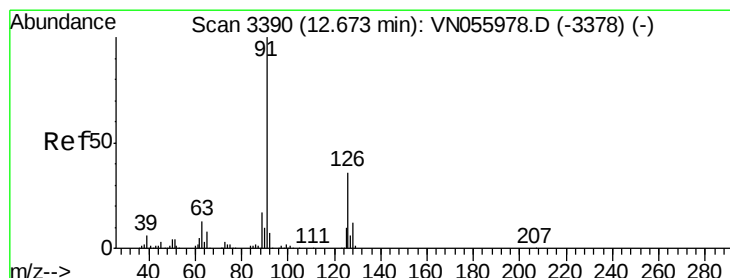
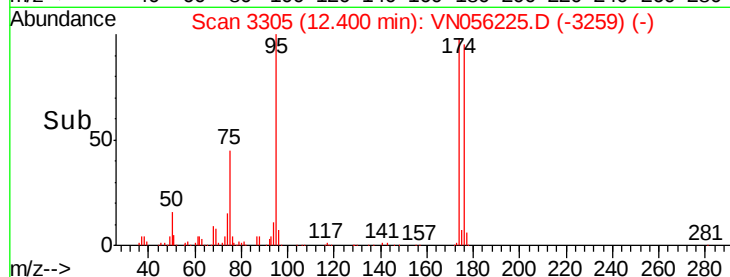
20000

10000

0

Time-->

12.35 12.40 12.45 12.50



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.40 min Scan# 3304

Delta R.T. -0.28 min

Lab File: VN056225.D

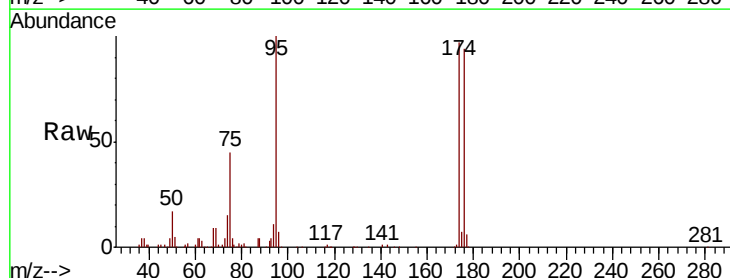
Acq: 11 Jun 2019 16:02

Tgt Ion: 91 Resp: 467

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.40

400

300

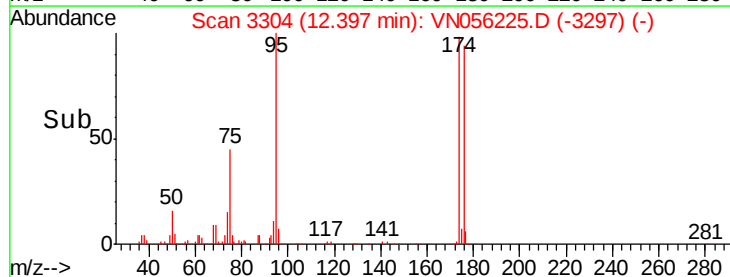
200

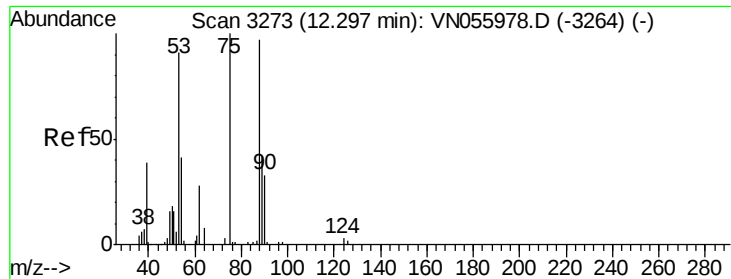
100

0

Time-->

12.38 12.40 12.42





#81

trans-1,4-Dichloro-2-butene

Concen: 107.008 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056225.D

Acq: 11 Jun 2019 16:02

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW303I2-20190610

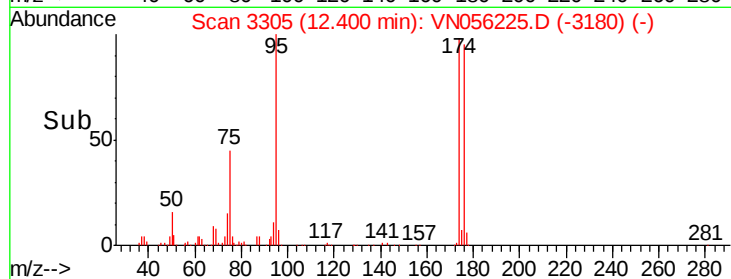
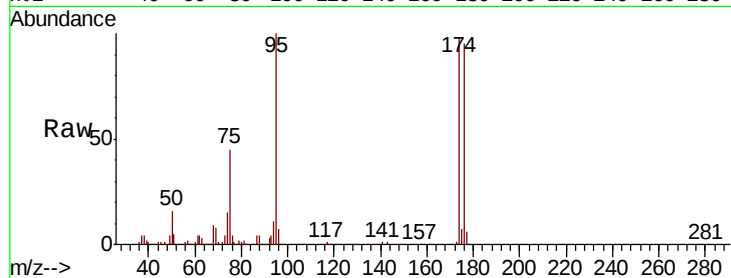
Tot Ion: 75 Resp: 80088

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): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

