

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061119\
 Data File : VN056228.D
 Acq On : 11 Jun 2019 17:17
 Operator : JC/SP
 Sample : K3284-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-SW4002-20190610

Quant Time: Jun 12 06:35:11 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	284537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	423156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	413170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	124224	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	149420	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
35) Dibromofluoromethane	7.59	113	137933	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
50) Toluene-d8	10.09	98	536770	53.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.46%	
62) 4-Bromofluorobenzene	12.40	95	164841	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	

Target Compounds

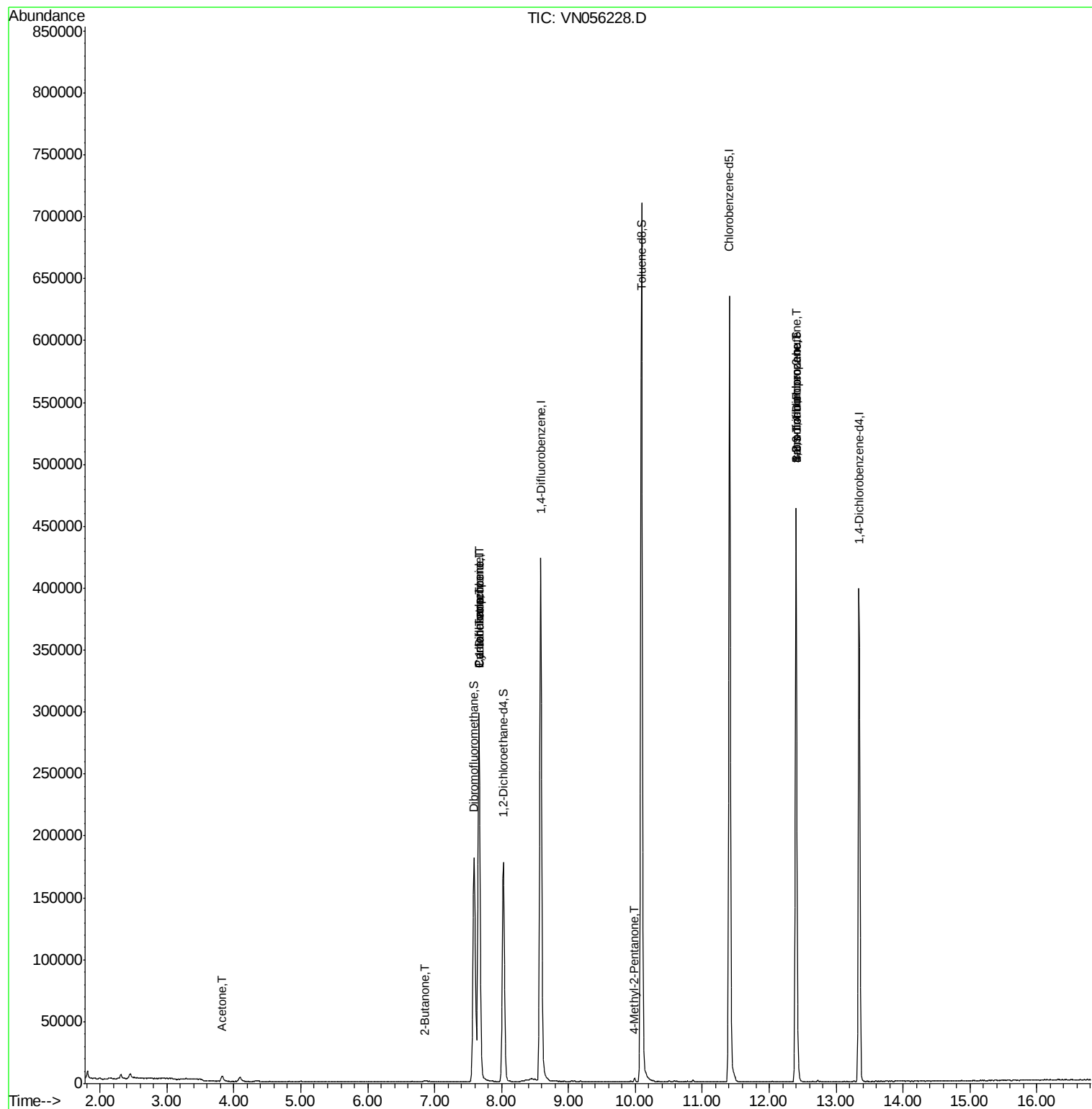
					Qvalue	
16) Acetone	3.82	43	7981	5.907	ug/l	97
18) Methyl Acetate	4.33	43	1457	Below Cal	#	65
25) 2-Butanone	6.86	43	1959	1.147	ug/l	92
31) Cyclohexane	7.66	56	3560	0.794	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	16250	4.466	ug/l #	48
38) Carbon Tetrachloride	7.66	117	22343	6.660	ug/l #	14
51) 4-Methyl-2-Pentanone	9.99	43	2175	0.663	ug/l	92
71) Bromoform	12.40	173	1201	3.218	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	77149	33.752	ug/l #	100
79) 2-Chlorotoluene	12.40	91	483	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	77149	112.400	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: VN056228.D

Acq: 11 Jun 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

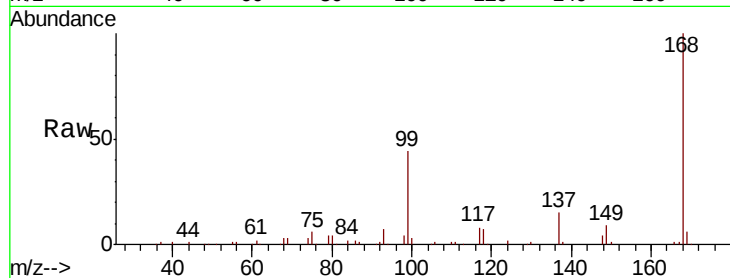
BP-TT-SW4002-20190610

Tot Ion:168 Resp: 284537

Ion Ratio Lower Upper

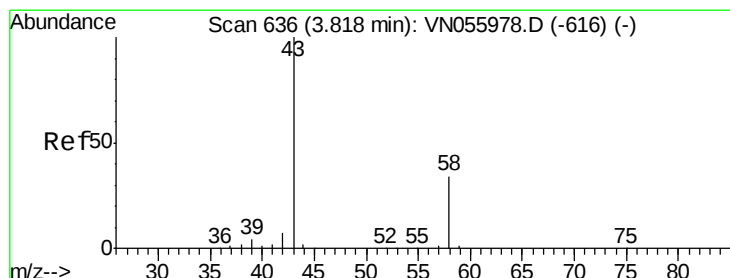
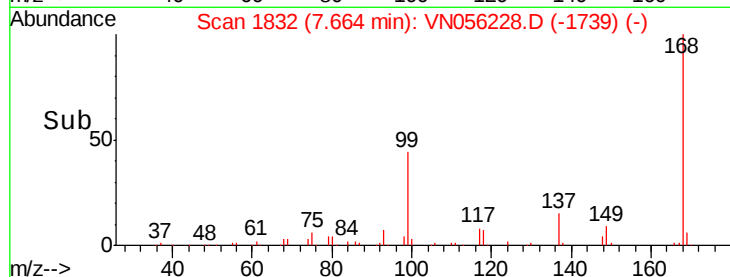
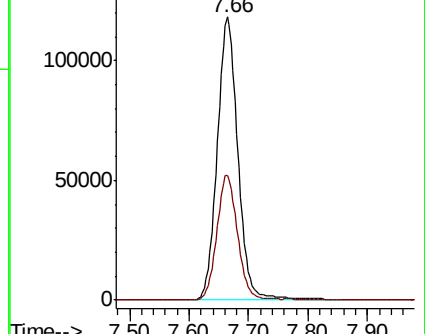
168 100

99 44.2 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 5.907 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056228.D

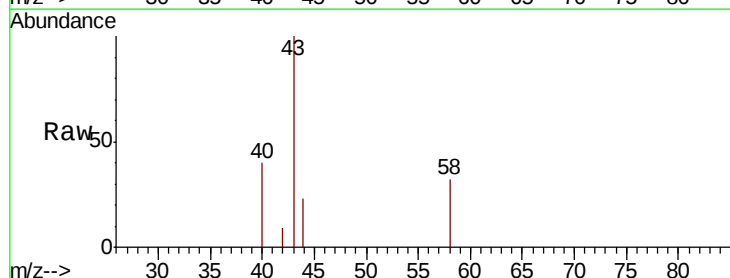
Acq: 11 Jun 2019 17:17

Tgt Ion: 43 Resp: 7981

Ion Ratio Lower Upper

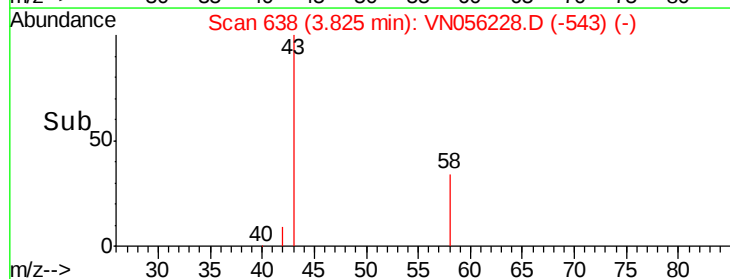
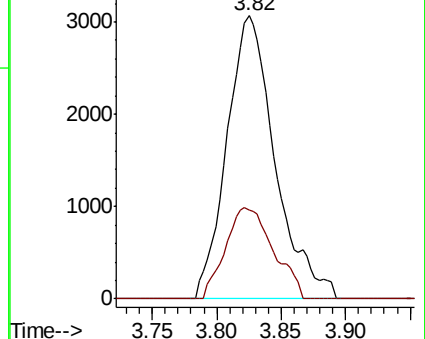
43 100

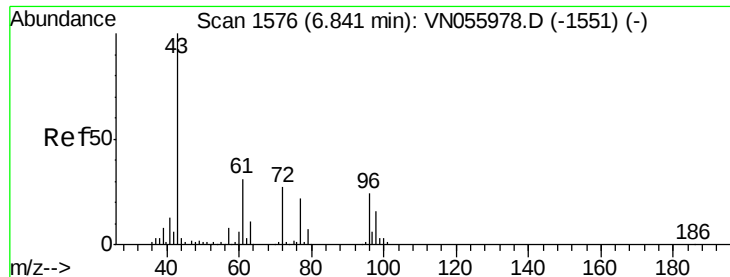
58 31.6 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

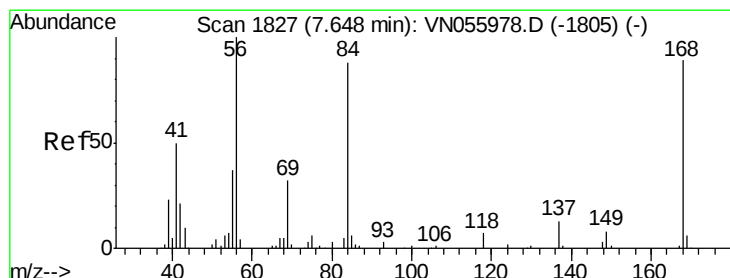
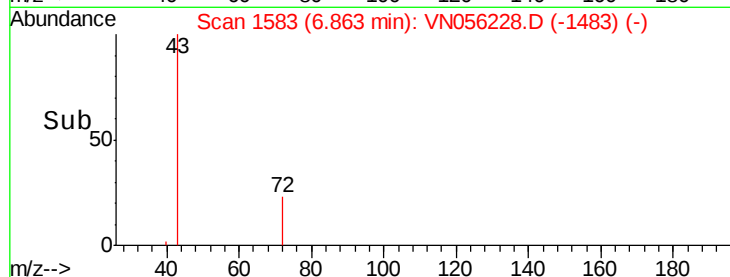
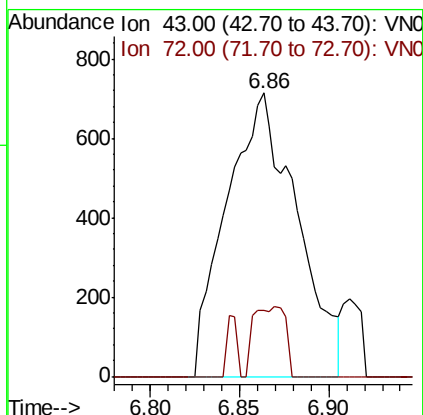
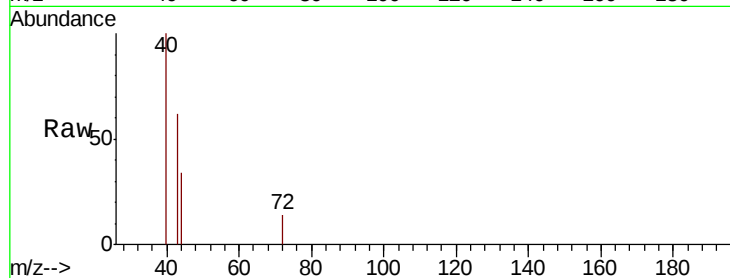




#25
2-Butanone
Concen: 1.147 ug/l
RT: 6.86 min Scan# 1583
Delta R.T. 0.02 min
Lab File: VN056228.D
Acq: 11 Jun 2019 17:17

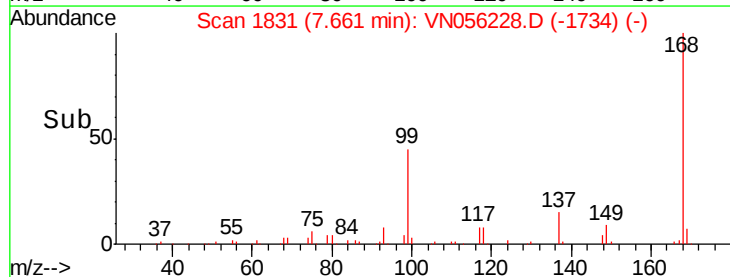
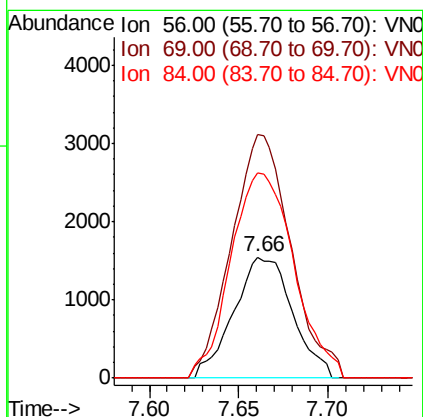
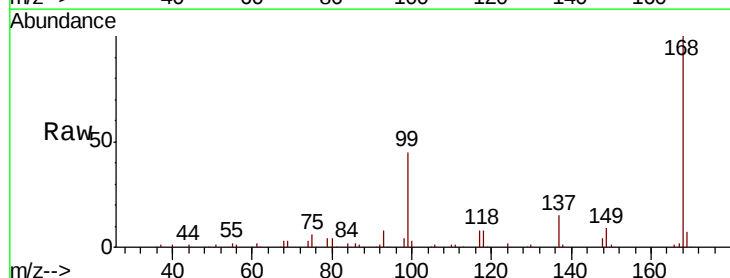
Instrument :
MSVOA_N
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BP-TT-SW4002-20190610

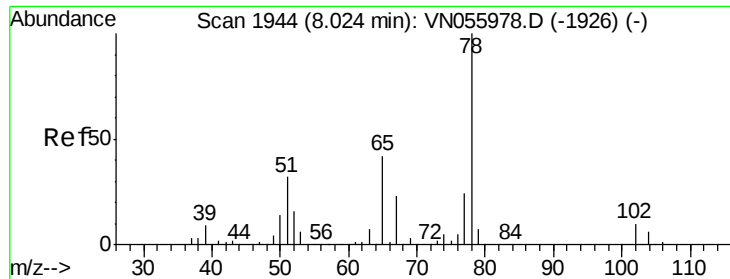
Tot Ion: 43 Resp: 1959
Ion Ratio Lower Upper
43 100
72 23.2 21.9 32.9



#31
Cyclohexane
Concen: 0.794 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN056228.D
Acq: 11 Jun 2019 17:17

Tgt Ion: 56 Resp: 3560
Ion Ratio Lower Upper
56 100
69 200.8 25.6 38.4#
84 169.5 67.4 101.0#

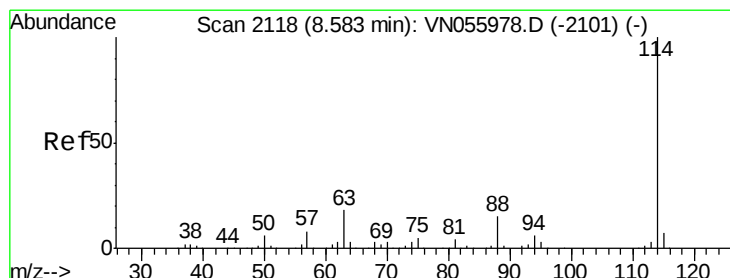
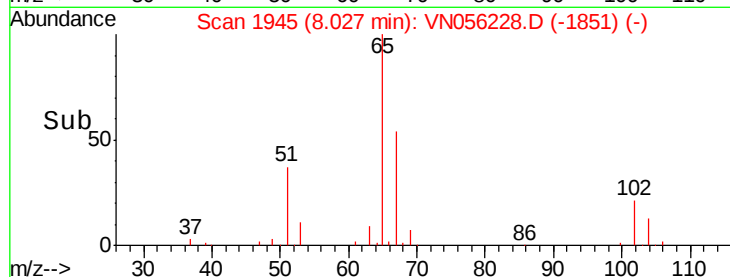
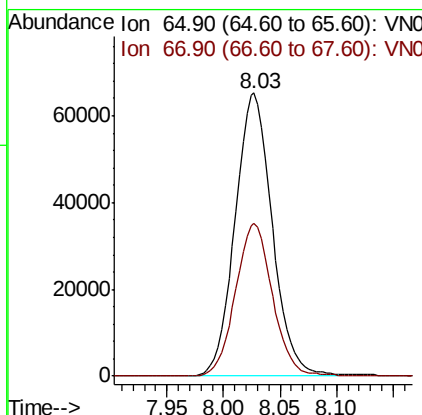
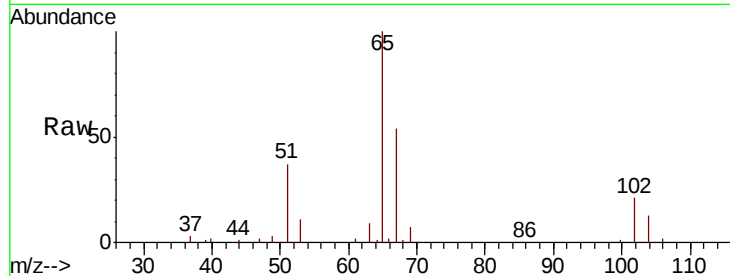




#33
 1,2-Dichloroethane-d4
 Concen: 52.888 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056228.D
 Acq: 11 Jun 2019 17:17

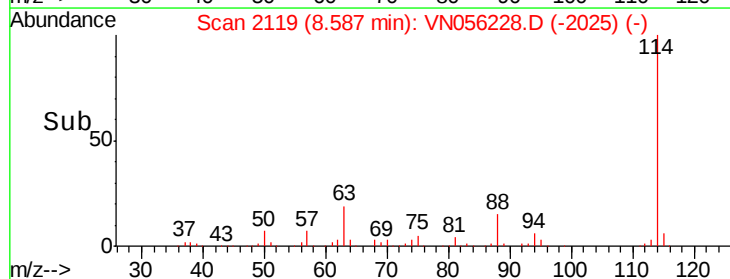
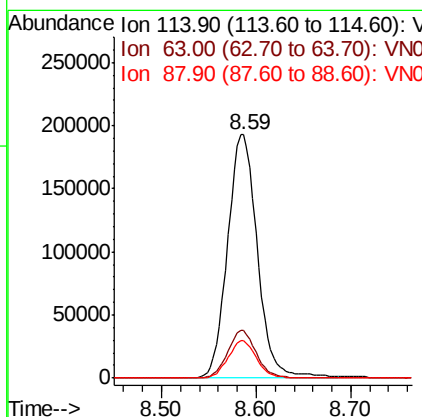
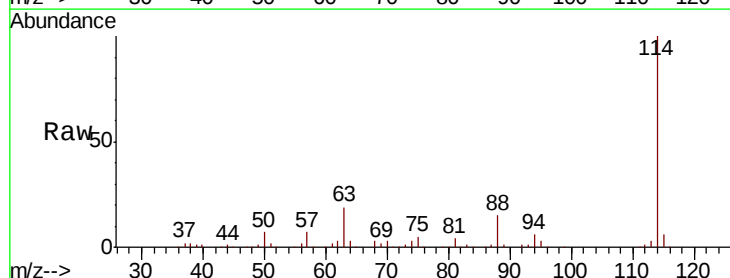
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-SW4002-20190610

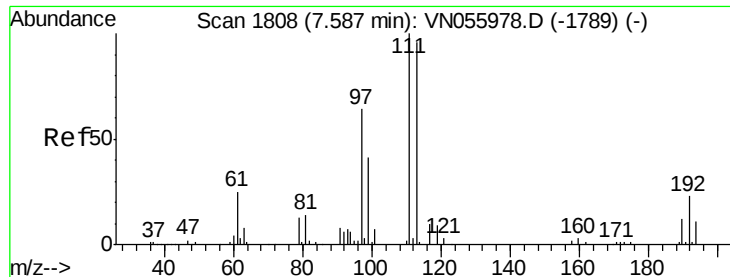
Tot Ion: 65 Resp: 149420
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056228.D
 Acq: 11 Jun 2019 17:17

Tgt Ion: 114 Resp: 423156
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.2
 88 15.3 0.0 31.0

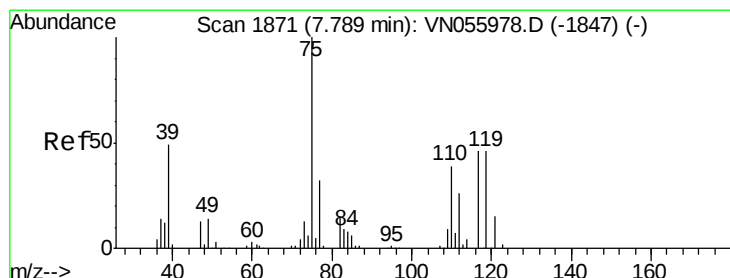
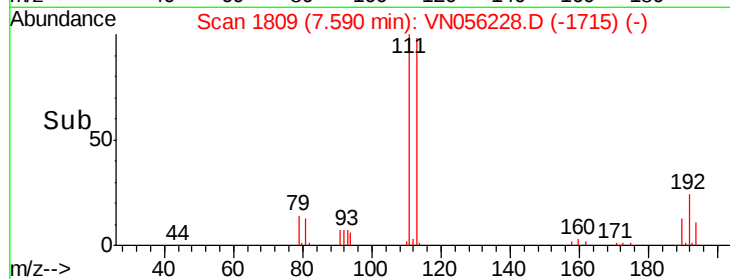
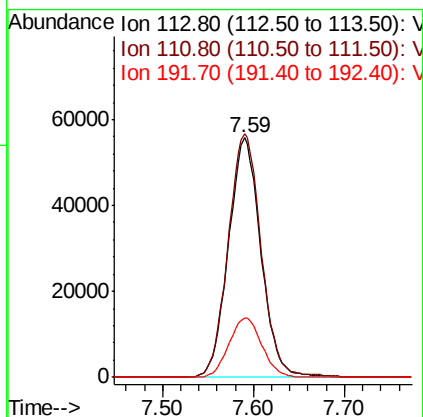
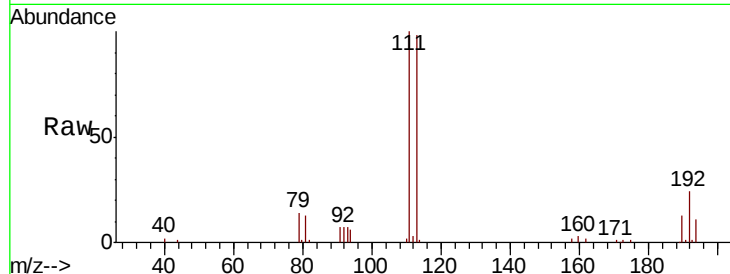




#35
 Dibromofluoromethane
 Concen: 53.129 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056228.D
 Acq: 11 Jun 2019 17:17

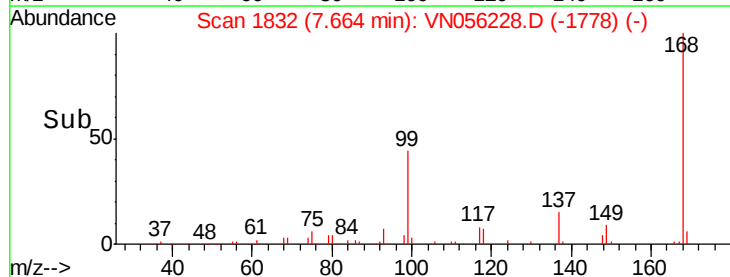
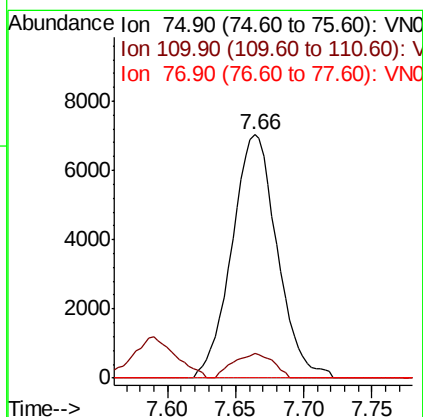
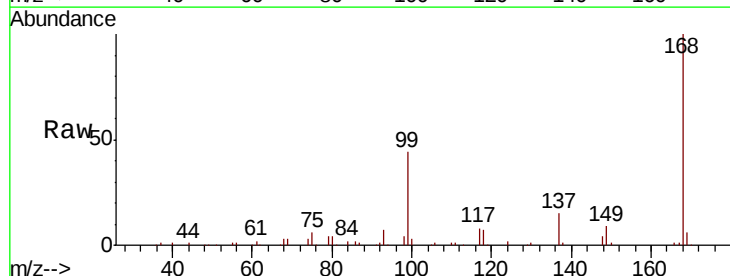
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-SW4002-20190610

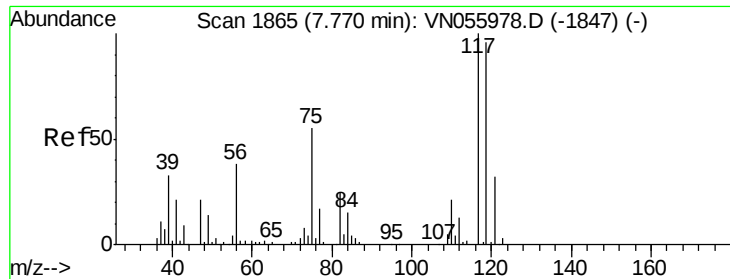
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.9	122.9
192	25.1	19.5	29.3



#36
 1,1-Dichloropropene
 Concen: 4.466 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056228.D
 Acq: 11 Jun 2019 17:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	19.0	57.0#
77	0.0	25.1	37.7#

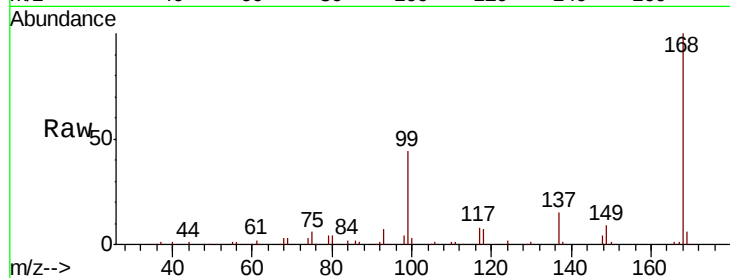




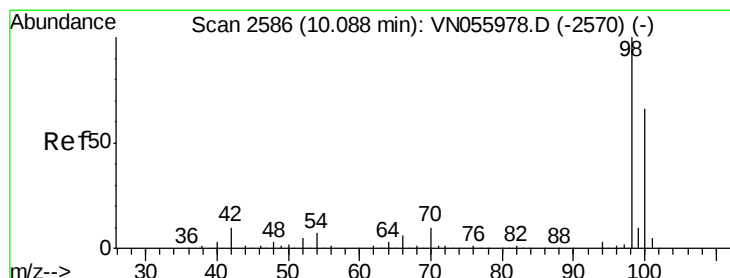
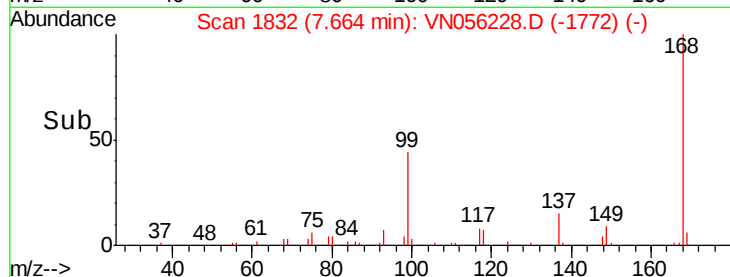
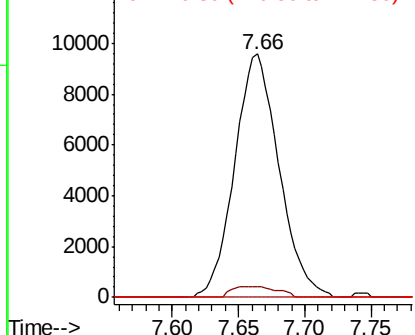
#38
Carbon Tetrachloride
Concen: 6.660 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN056228.D
Acq: 11 Jun 2019 17:17

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-SW4002-20190610

Tot Ion:117 Resp: 22343
Ion Ratio Lower Upper
117 100
119 4.4 79.0 118.6#
121 0.0 24.7 37.1#

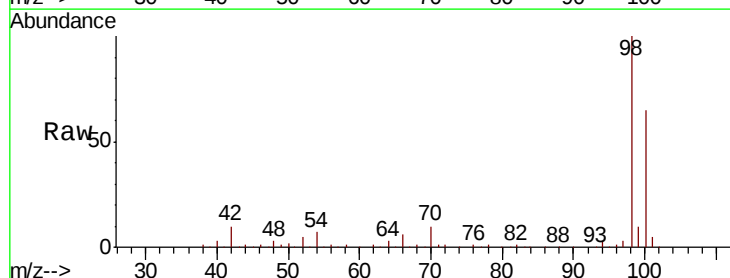


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

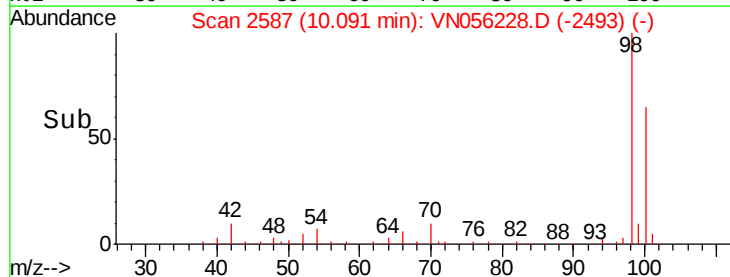
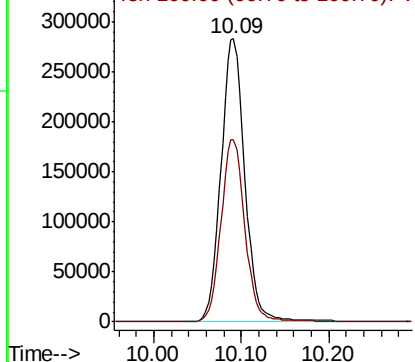


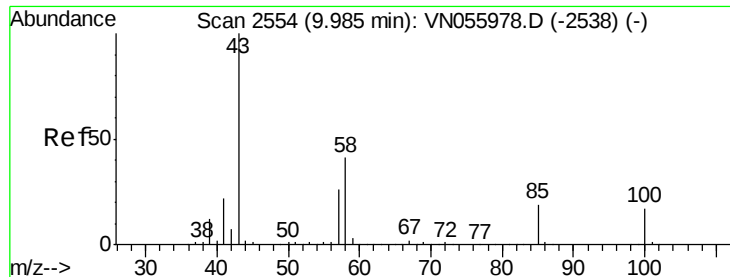
#50
Toluene-d8
Concen: 53.730 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056228.D
Acq: 11 Jun 2019 17:17

Tgt Ion: 98 Resp: 536770
Ion Ratio Lower Upper
98 100
100 64.6 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: 0.663 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056228.D

Acq: 11 Jun 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

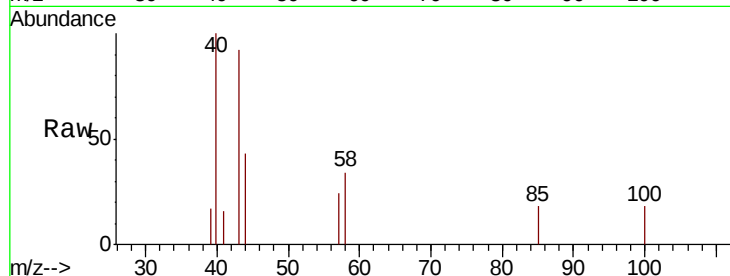
BP-TT-SW4002-20190610

Tot Ion: 43 Resp: 2175

Ion Ratio Lower Upper

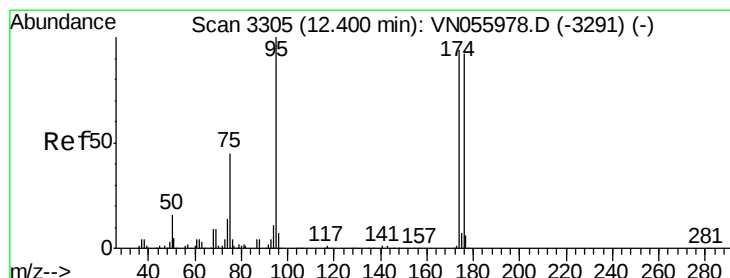
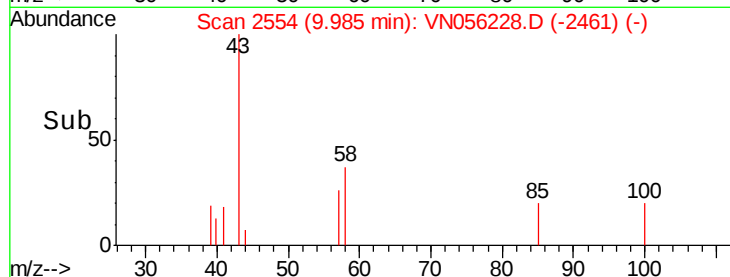
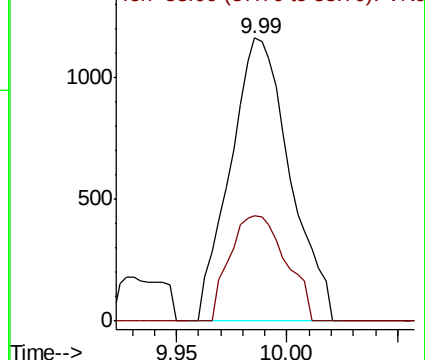
43 100

58 34.9 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 48.519 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056228.D

Acq: 11 Jun 2019 17:17

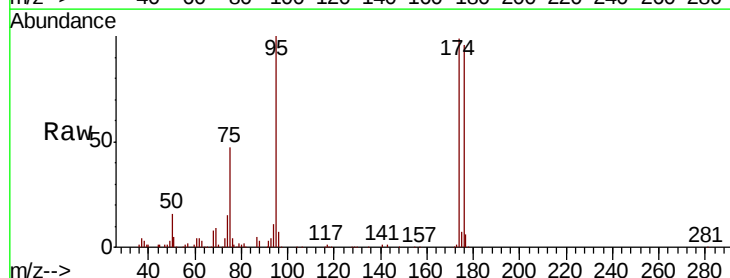
Tgt Ion: 95 Resp: 164841

Ion Ratio Lower Upper

95 100

174 99.4 0.0 191.0

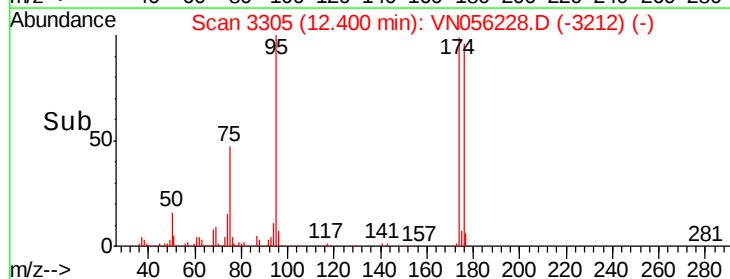
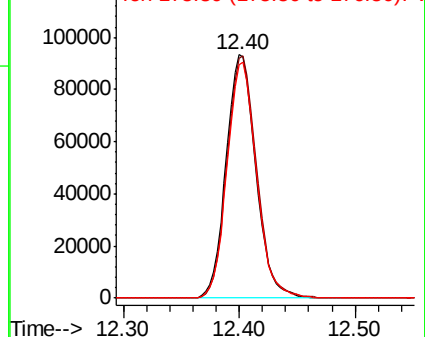
176 95.7 0.0 185.2

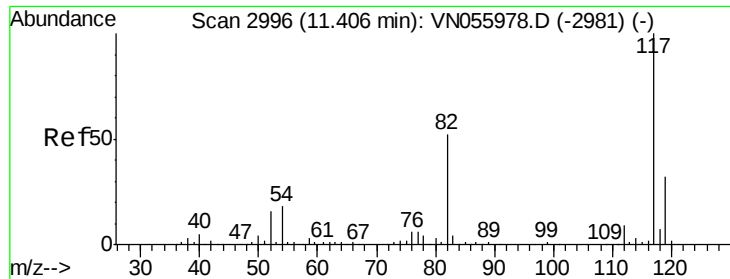


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

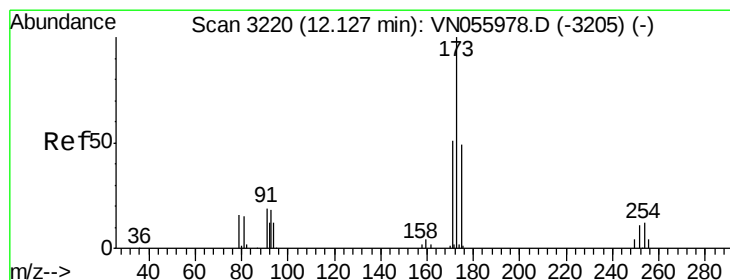
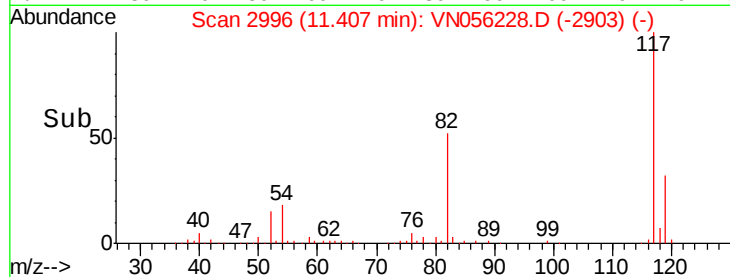
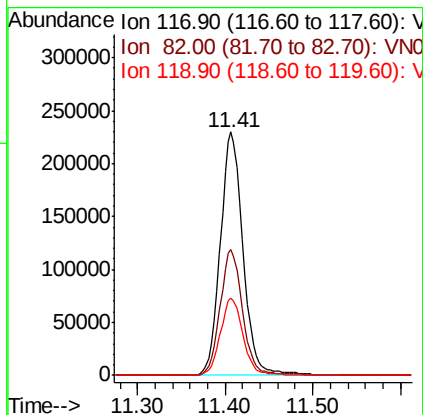
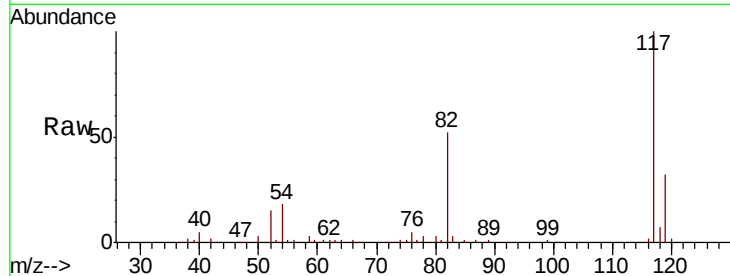




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056228.D
Acq: 11 Jun 2019 17:17

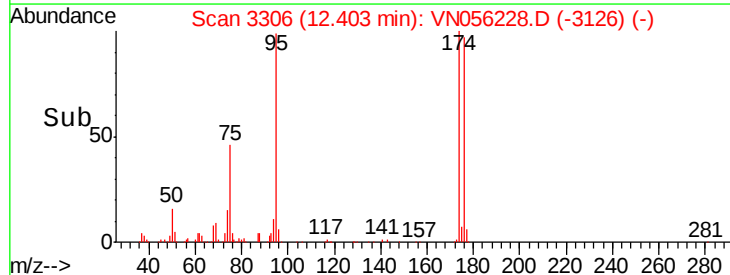
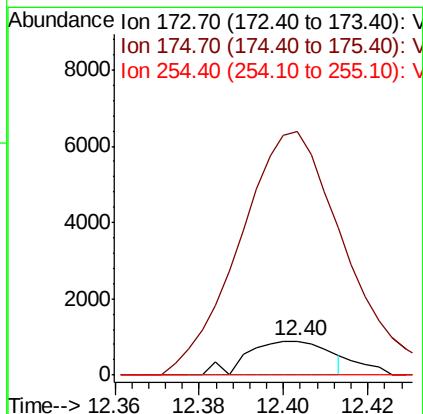
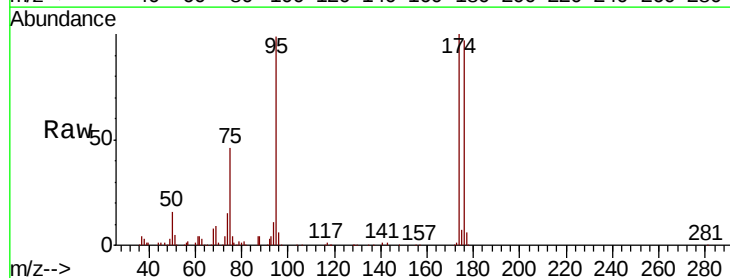
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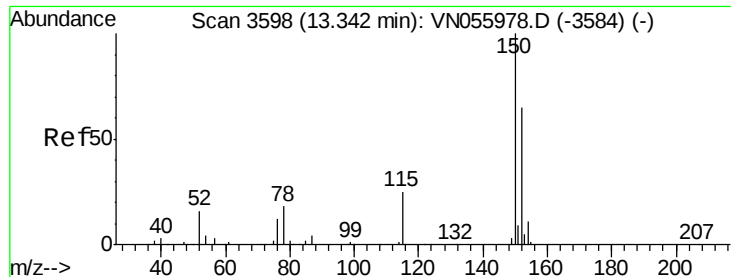
Tot Ion:117 Resp: 413170
Ion Ratio Lower Upper
117 100
82 51.6 41.8 62.8
119 31.9 25.4 38.0



#71
Bromoform
Concen: 3.218 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056228.D
Acq: 11 Jun 2019 17:17

Tgt Ion:173 Resp: 1201
Ion Ratio Lower Upper
173 100
175 776.1 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: VN056228.D

Acq: 11 Jun 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-SW4002-20190610

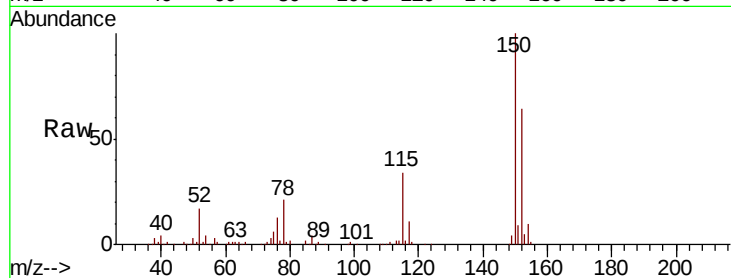
Tot Ion:152 Resp: 124224

Ion Ratio Lower Upper

152 100

115 53.0 27.0 81.0

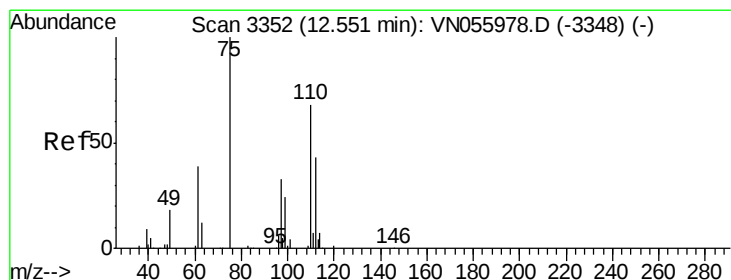
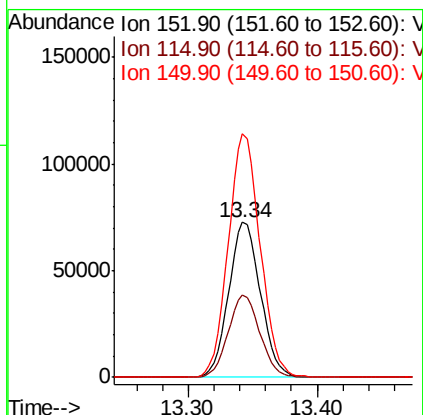
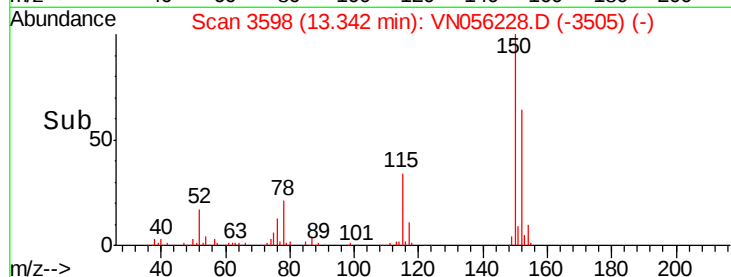
150 157.5 0.0 343.2



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: 33.752 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056228.D

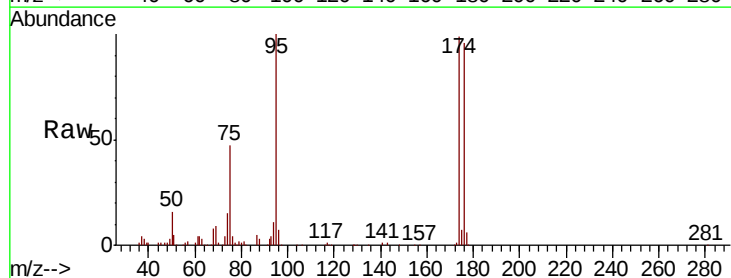
Acq: 11 Jun 2019 17:17

Tgt Ion: 75 Resp: 77149

Ion Ratio Lower Upper

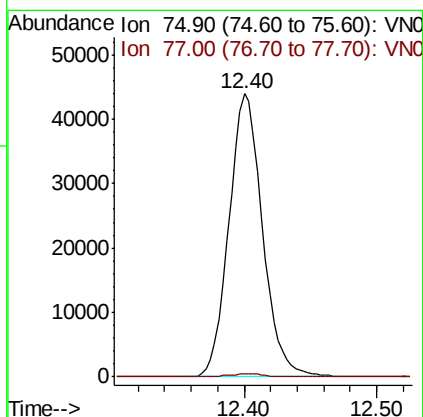
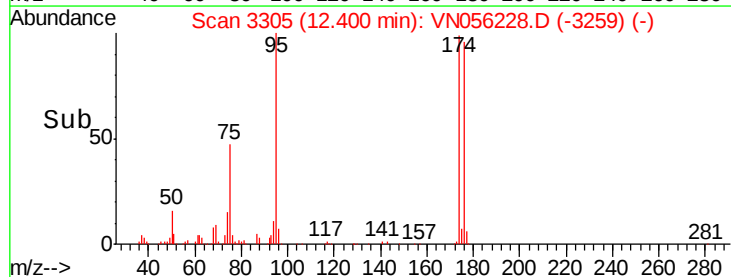
75 100

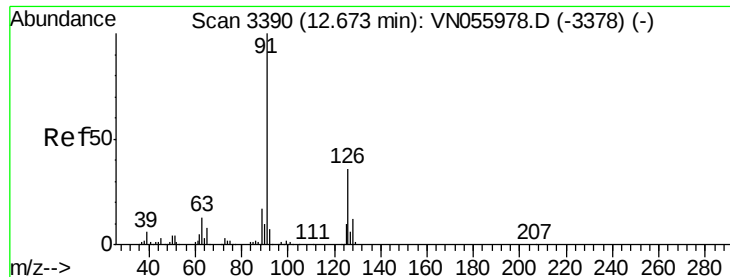
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. -0.27 min

Lab File: VN056228.D

Acq: 11 Jun 2019 17:17

Instrument :

MSVOA_N

ClientSampleId :

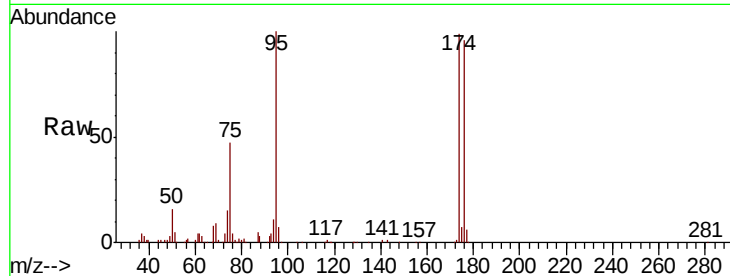
BP-TT-SW4002-20190610

Tot Ion: 91 Resp: 483

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

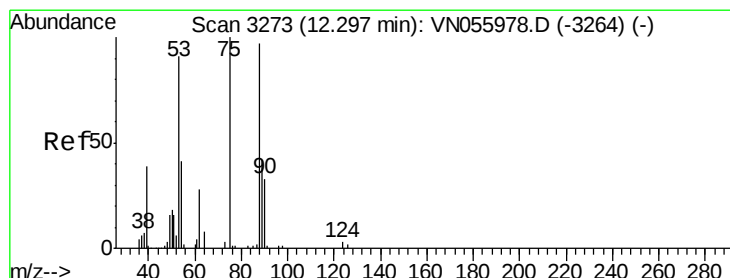
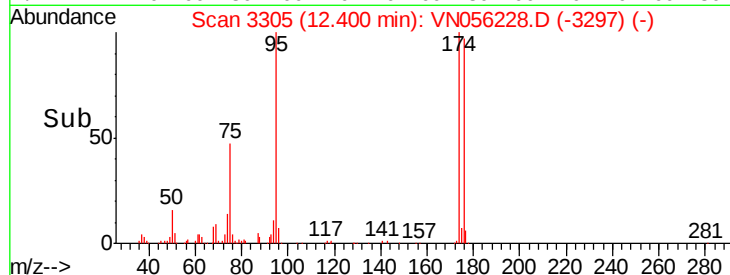
300

200

100

0

Time--> 12.36 12.38 12.40 12.42



#81

trans-1,4-Dichloro-2-butene

Concen: 112.400 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056228.D

Acq: 11 Jun 2019 17:17

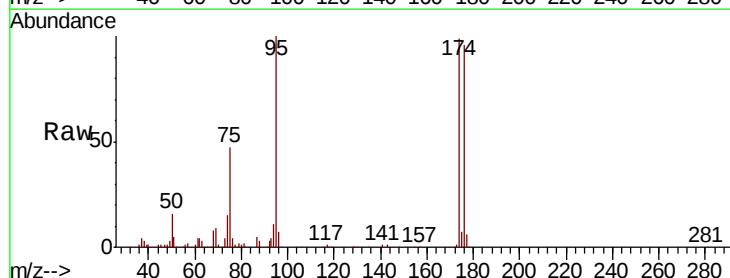
Tgt Ion: 75 Resp: 77149

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

60000

50000

40000

30000

20000

10000

0

Time--> 12.40 12.50

