

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056080.D
 Acq On : 7 Jun 2019 6:24
 Operator : JC/SP
 Sample : K3190-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304S-20190604

Quant Time: Jun 07 07:20:00 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	331671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	502803	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	481298	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	151864	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	173032	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
35) Dibromofluoromethane	7.59	113	150623	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
50) Toluene-d8	10.09	98	634455	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	
62) 4-Bromofluorobenzene	12.40	95	205003	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	

Target Compounds

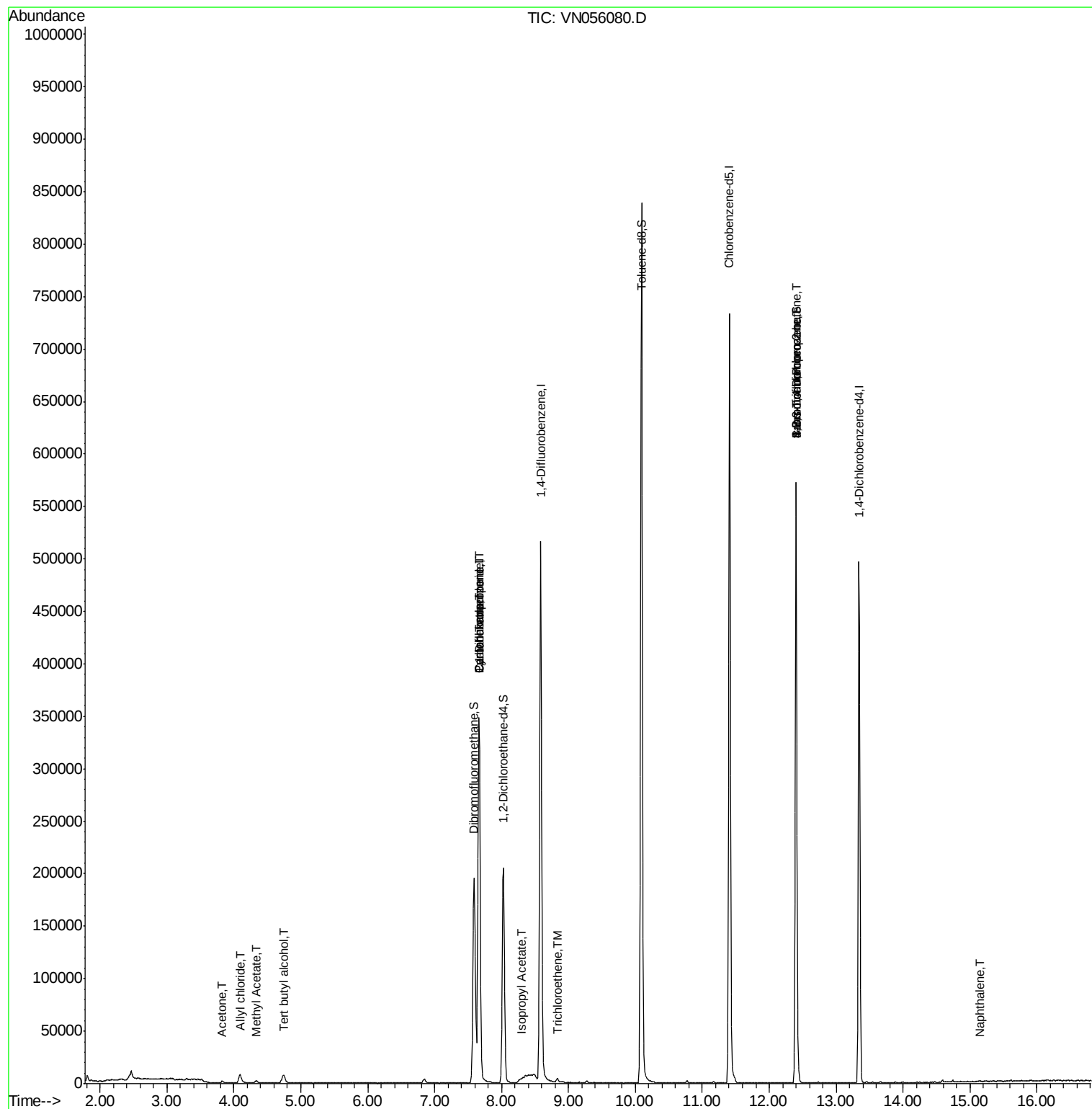
						Qvalue
11) Tert butyl alcohol	4.74	59	7416	12.940	ug/l #	74
14) Allyl chloride	4.09	41	1002	0.228	ug/l #	56
16) Acetone	3.82	43	2769	1.758	ug/l	99
18) Methyl Acetate	4.34	43	3953	0.708	ug/l #	90
31) Cyclohexane	7.66	56	4705	0.900	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	19240	4.450	ug/l #	47
38) Carbon Tetrachloride	7.66	117	27066	6.790	ug/l #	15
43) Isopropyl Acetate	8.28	43	3740	0.600	ug/l #	53
44) Trichloroethene	8.83	130	1519	0.403	ug/l	76
71) Bromoform	12.40	173	1495	3.251	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	92018	32.930	ug/l #	100
79) 2-Chlorotoluene	12.40	91	515	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	92018	109.663	ug/l #	15
95) Naphthalene	15.13	128	450	3.908	ug/l #	69

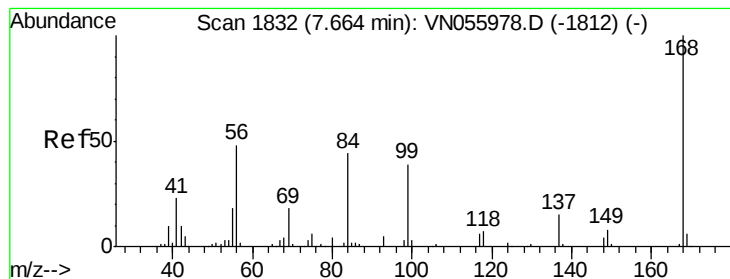
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056080.D

Acq: 7 Jun 2019 6:24

Instrument :

MSVOA_N

ClientSampleId :

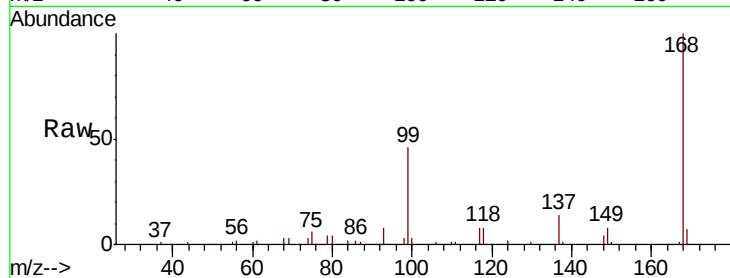
BPS1-TT-MW304S-20190604

Tot Ion:168 Resp: 331671

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): VNO

7.66

150000

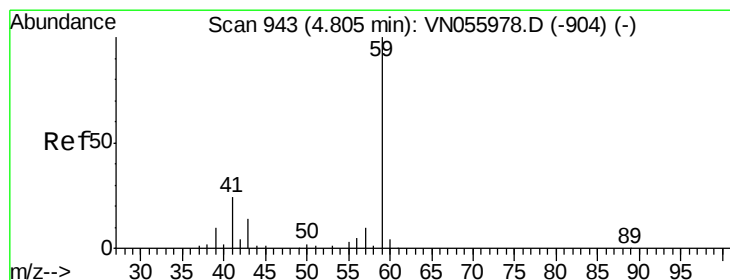
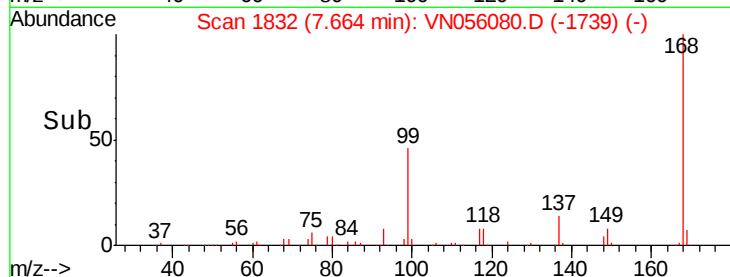
100000

50000

0

Time-->

7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 12.940 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.06 min

Lab File: VN056080.D

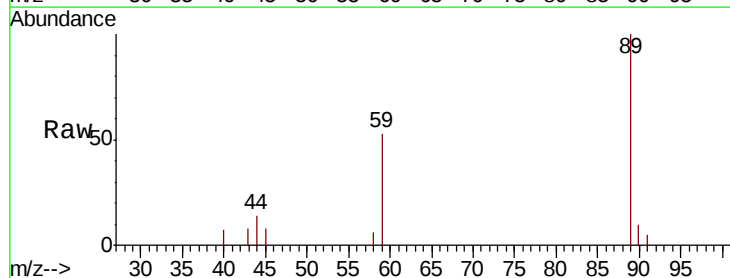
Acq: 7 Jun 2019 6:24

Tgt Ion: 59 Resp: 7416

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.74

2000

1500

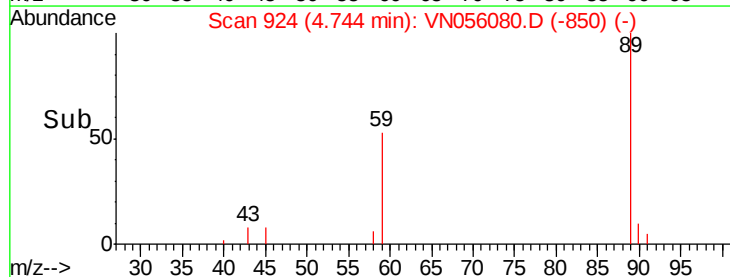
1000

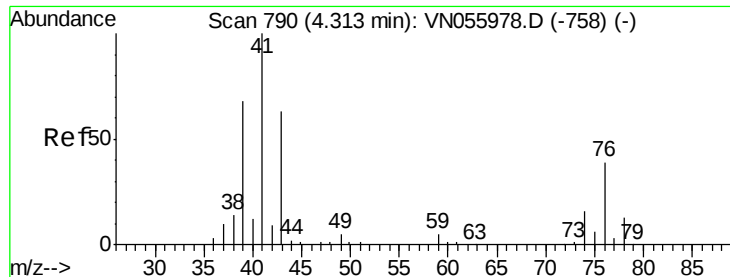
500

0

Time-->

4.65 4.70 4.75 4.80





#14

Allvl chloride

Concen: 0.228 ug/l

RT: 4.09 min Scan# 721

Delta R.T. -0.22 min

Lab File: VN056080.D

Acq: 7 Jun 2019 6:24

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW304S-20190604

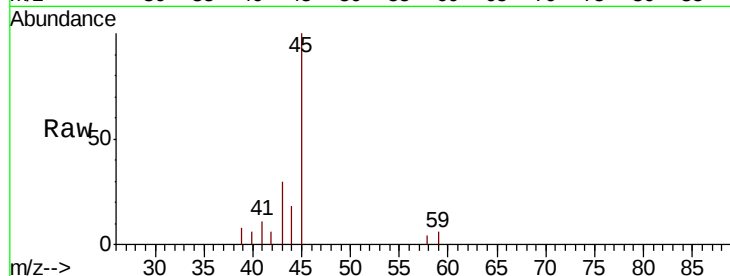
Tot Ion: 41 Resp: 1002

Ion Ratio Lower Upper

41 100

39 89.9 50.0 75.0#

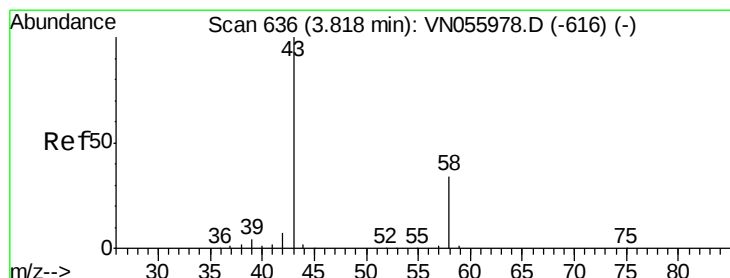
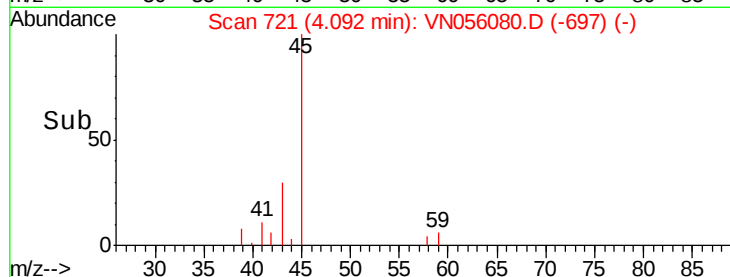
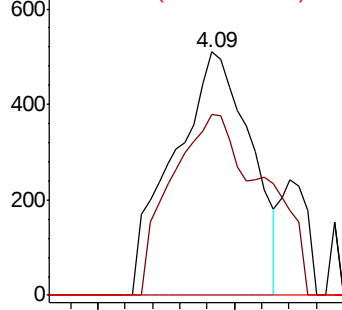
76 0.0 28.2 42.2#



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO



#16

Acetone

Concen: 1.758 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056080.D

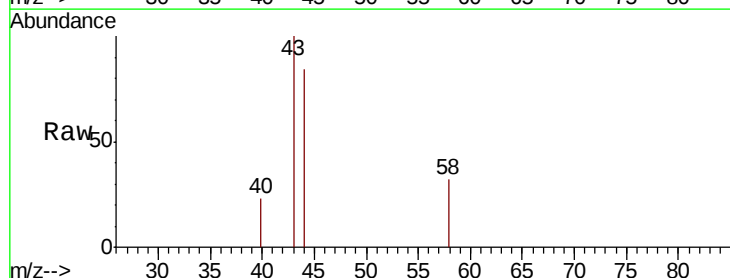
Acq: 7 Jun 2019 6:24

Tgt Ion: 43 Resp: 2769

Ion Ratio Lower Upper

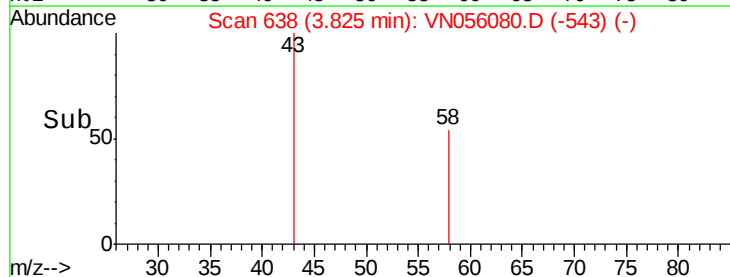
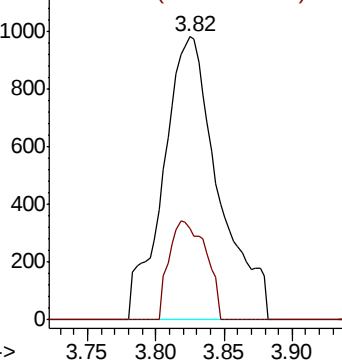
43 100

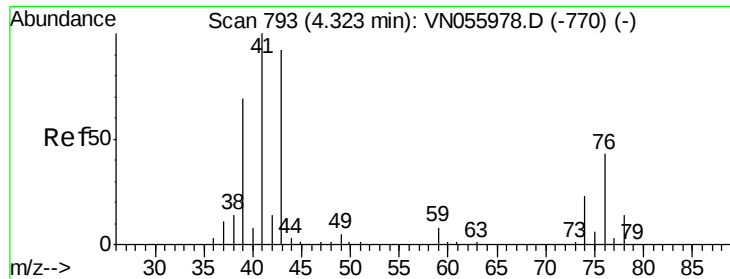
58 32.5 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

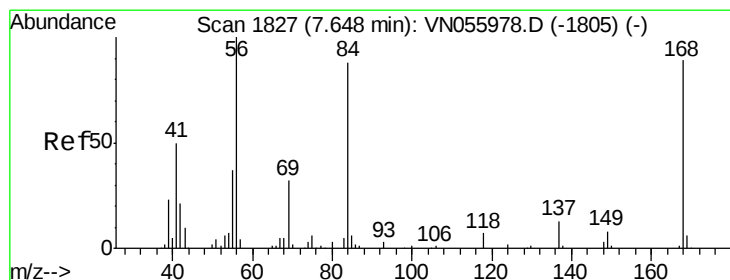
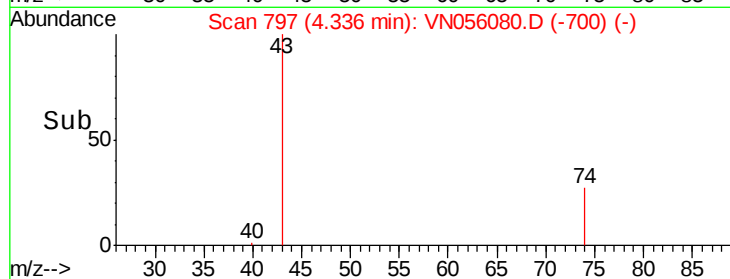
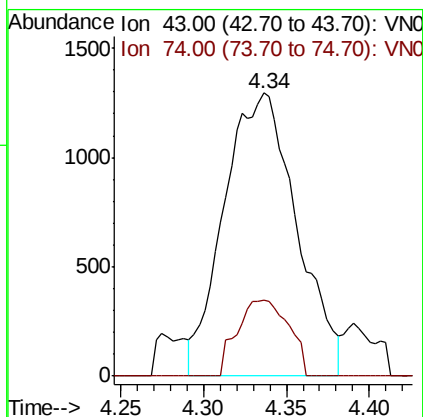
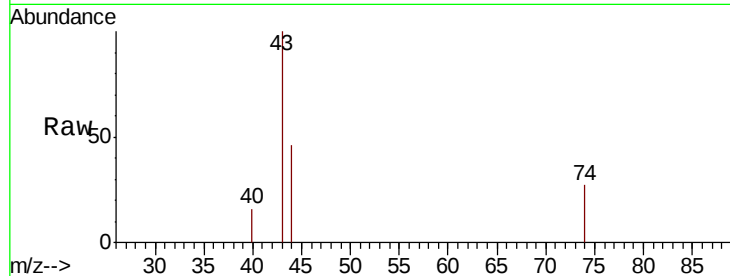




#18
Methyl Acetate
Concen: 0.708 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN056080.D
Acq: 7 Jun 2019 6:24

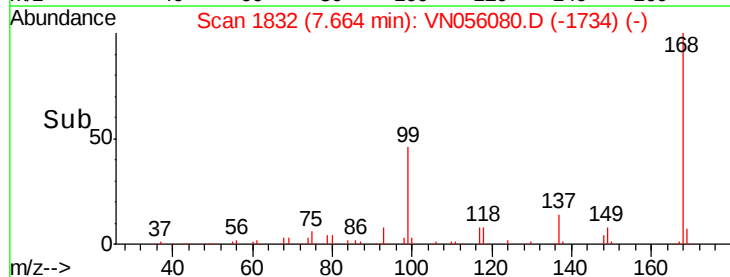
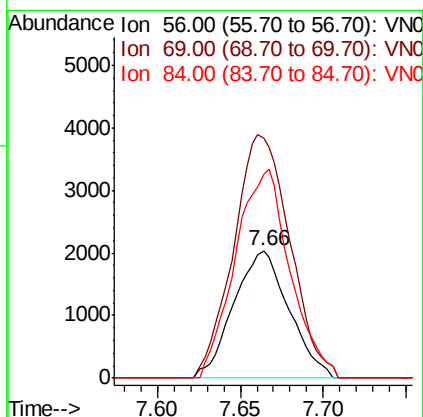
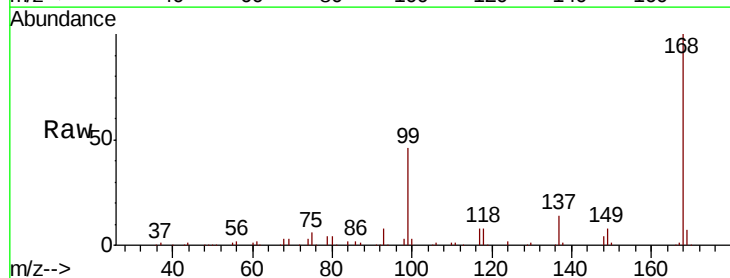
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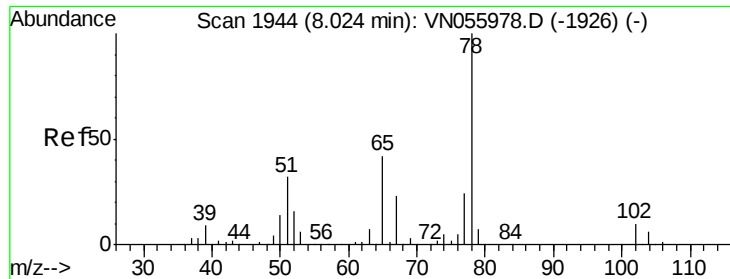
Tot Ion: 43 Resp: 3953
Ion Ratio Lower Upper
43 100
74 18.9 19.3 28.9#



#31
Cyclohexane
Concen: 0.900 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN056080.D
Acq: 7 Jun 2019 6:24

Tgt Ion: 56 Resp: 4705
Ion Ratio Lower Upper
56 100
69 187.7 25.6 38.4#
84 159.7 67.4 101.0#

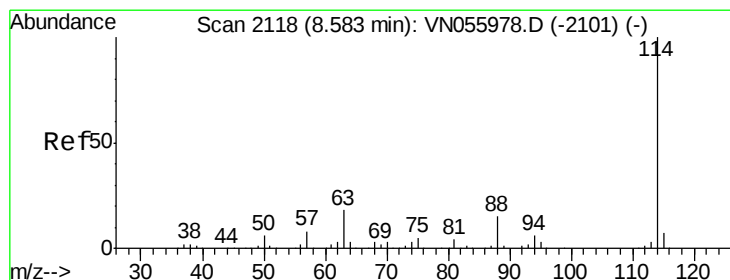
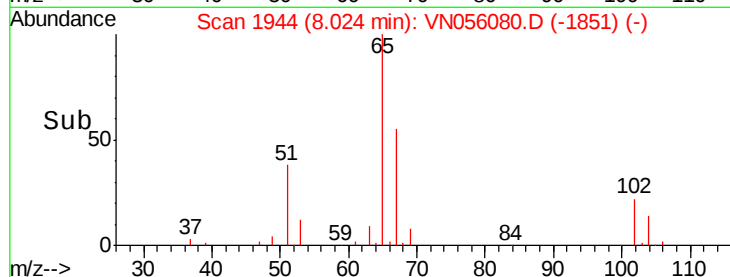
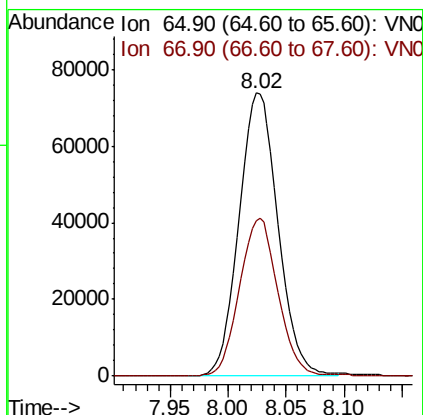
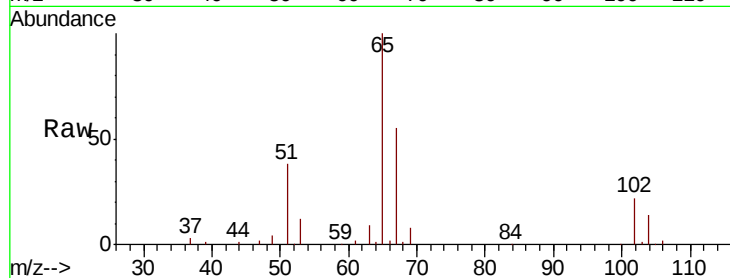




#33
 1,2-Dichloroethane-d4
 Concen: 52.542 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056080.D
 Acq: 7 Jun 2019 6:24

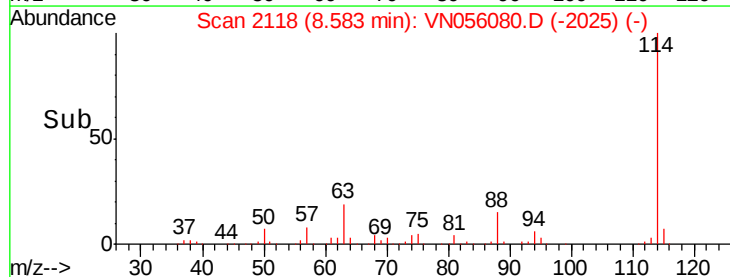
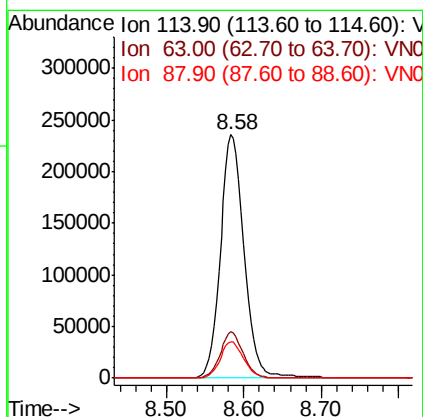
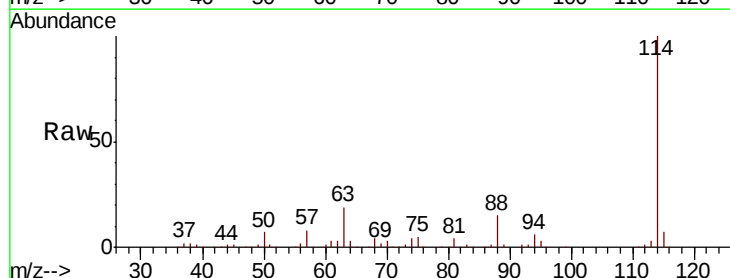
Instrument :
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 ClientSampleId :
 BPS1-TT-MW304S-20190604

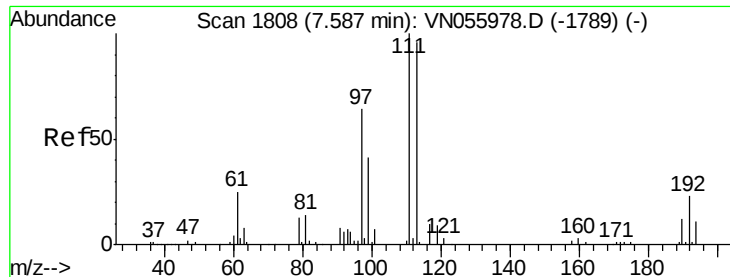
Tot Ion: 65 Resp: 173032
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056080.D
 Acq: 7 Jun 2019 6:24

Tgt Ion: 114 Resp: 502803
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.2
 88 15.0 0.0 31.0

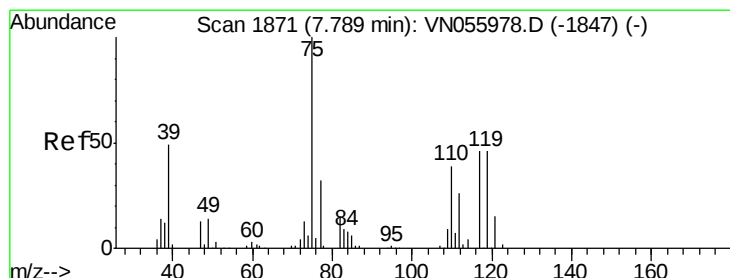
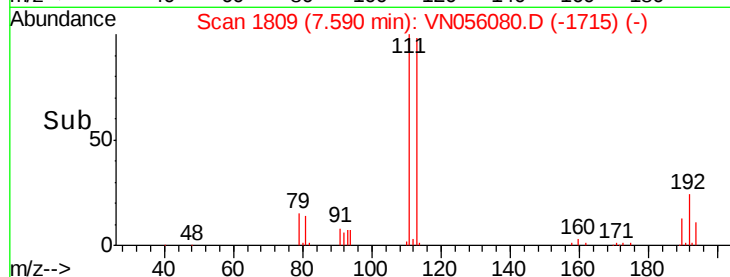
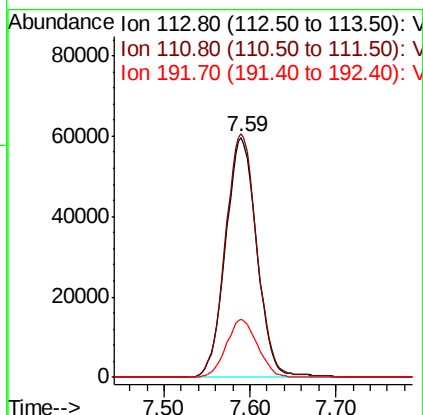
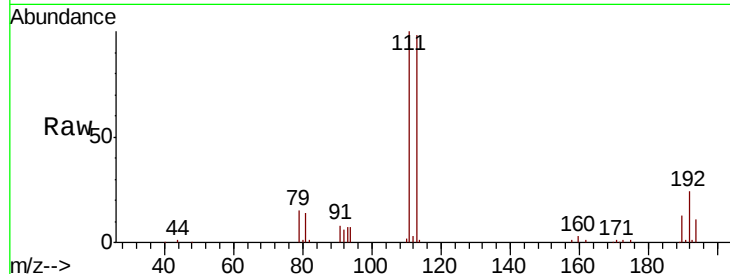




#35
 Dibromofluoromethane
 Concen: 48.827 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056080.D
 Acq: 7 Jun 2019 6:24

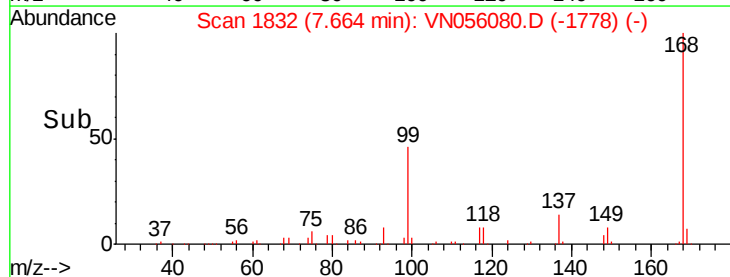
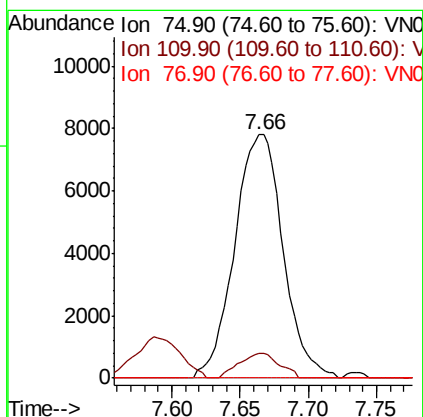
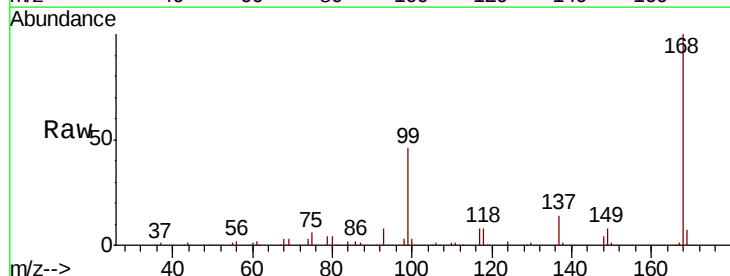
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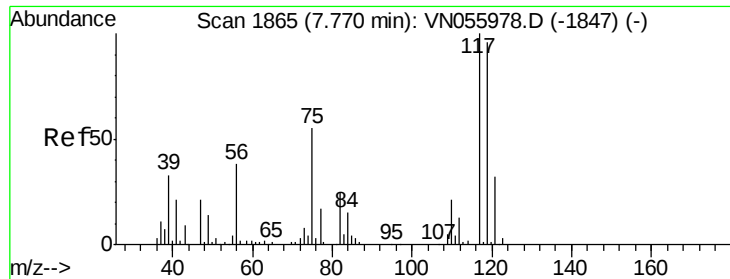
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.9	122.9
192	24.0	19.5	29.3



#36
 1,1-Dichloropropene
 Concen: 4.450 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056080.D
 Acq: 7 Jun 2019 6:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	19.0	57.0#
77	0.0	25.1	37.7#

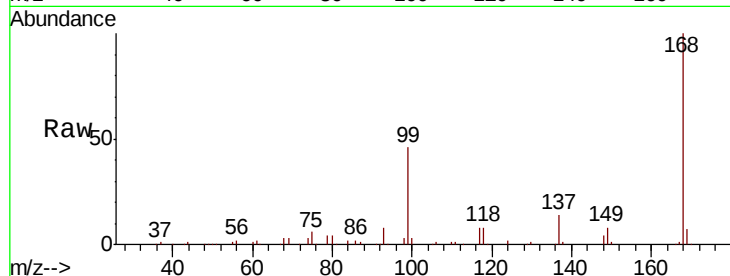




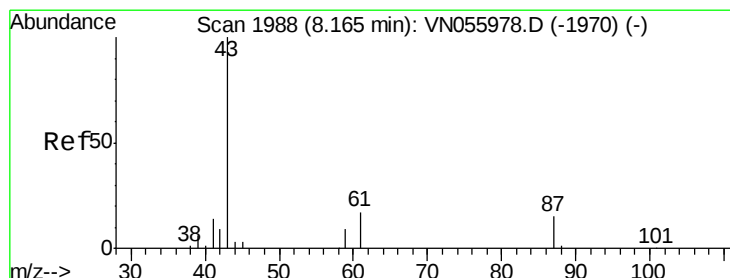
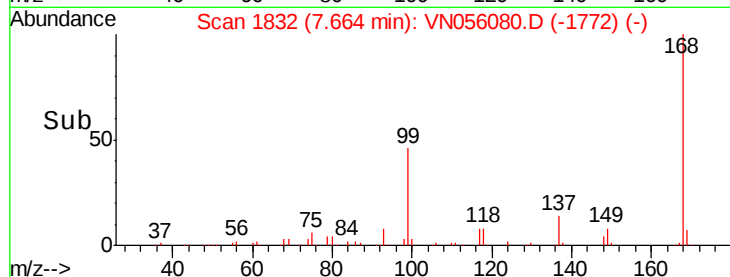
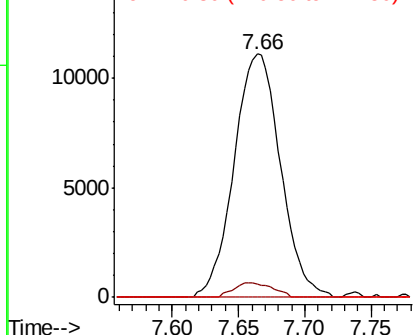
#38
Carbon Tetrachloride
Concen: 6.790 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN056080.D
Acq: 7 Jun 2019 6:24

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-20190604

Tot Ion:117 Resp: 27066
Ion Ratio Lower Upper
117 100
119 5.5 79.0 118.6#
121 0.0 24.7 37.1#

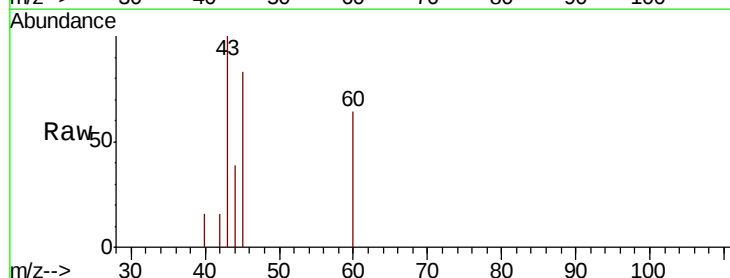


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

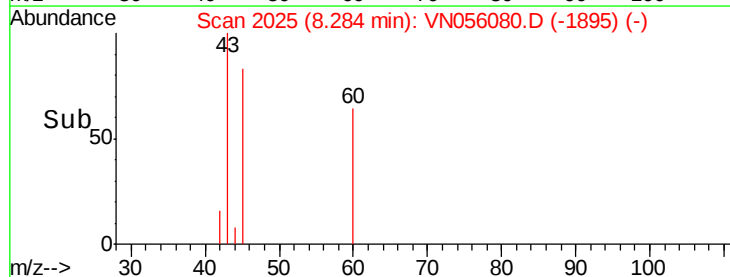
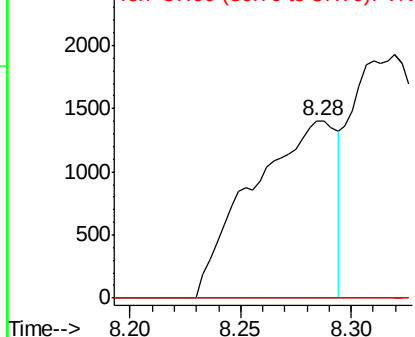


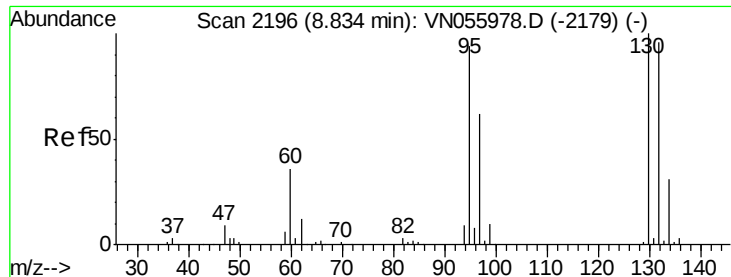
#43
Isopropyl Acetate
Concen: 0.600 ug/l
RT: 8.28 min Scan# 2025
Delta R.T. 0.12 min
Lab File: VN056080.D
Acq: 7 Jun 2019 6:24

Tgt Ion: 43 Resp: 3740
Ion Ratio Lower Upper
43 100
61 0.0 22.2 33.4#
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V

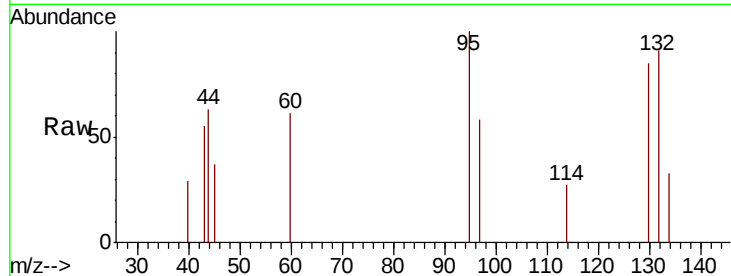




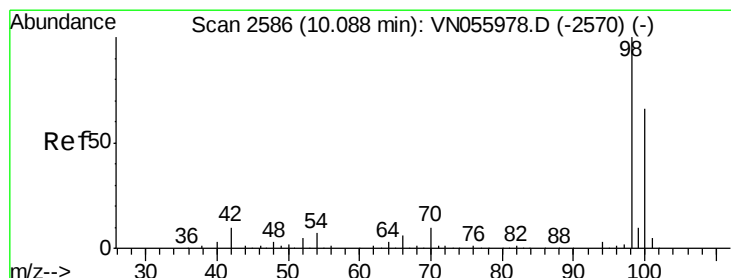
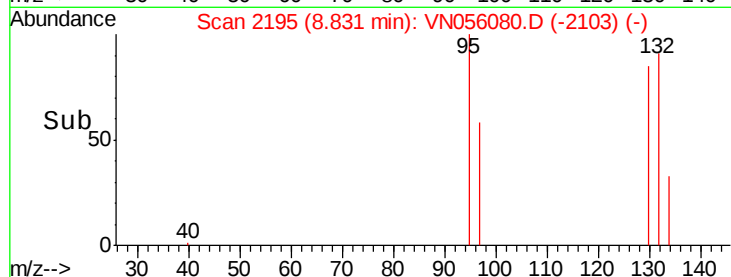
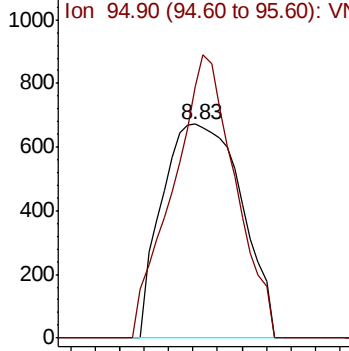
#44
 Trichloroethene
 Concen: 0.403 ug/l
 RT: 8.83 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VN056080.D
 Acq: 7 Jun 2019 6:24

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW304S-20190604

Tot Ion:130 Resp: 1519
 Ion Ratio Lower Upper
 130 100
 95 117.6 0.0 188.0

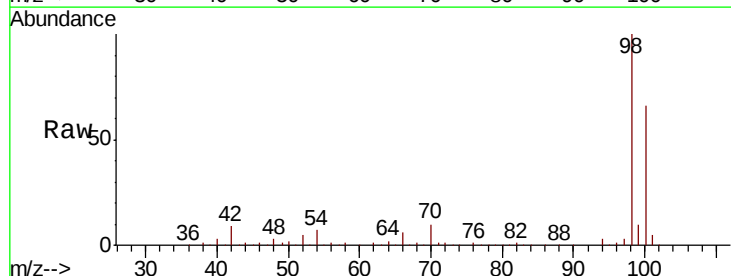


Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)
 Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)

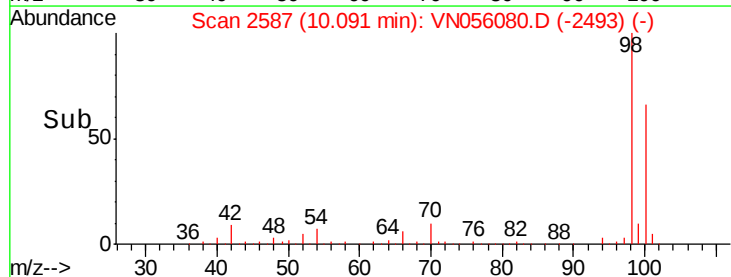
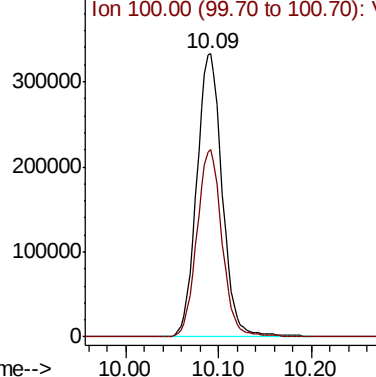


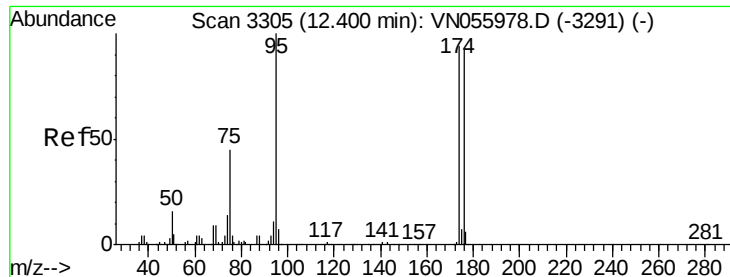
#50
 Toluene-d8
 Concen: 53.448 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN056080.D
 Acq: 7 Jun 2019 6:24

Tgt Ion: 98 Resp: 634455
 Ion Ratio Lower Upper
 98 100
 100 65.3 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) (-)





#62

4-Bromofluorobenzene

Concen: 50.782 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056080.D

Acq: 7 Jun 2019 6:24

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW304S-20190604

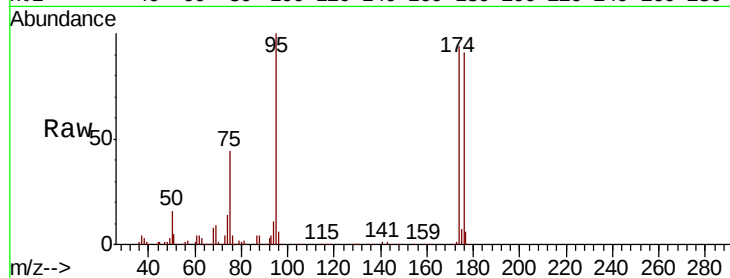
Tot Ion: 95 Resp: 205003

Ion Ratio Lower Upper

95 100

174 94.6 0.0 191.0

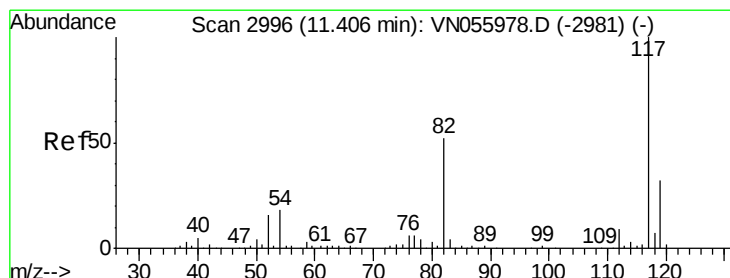
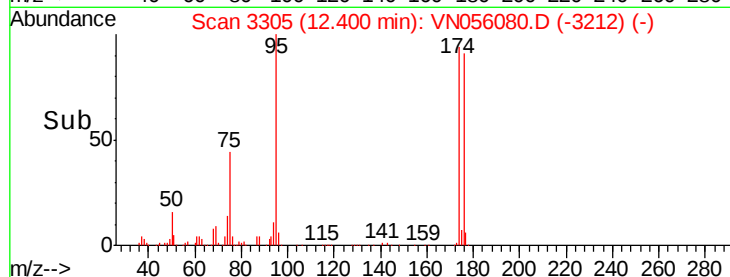
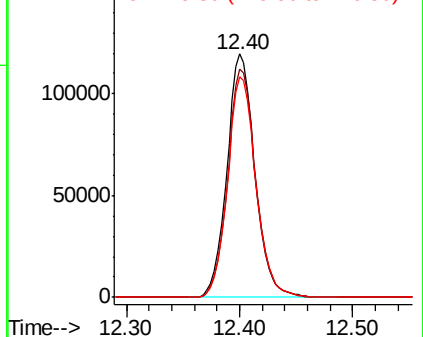
176 91.9 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056080.D

Acq: 7 Jun 2019 6:24

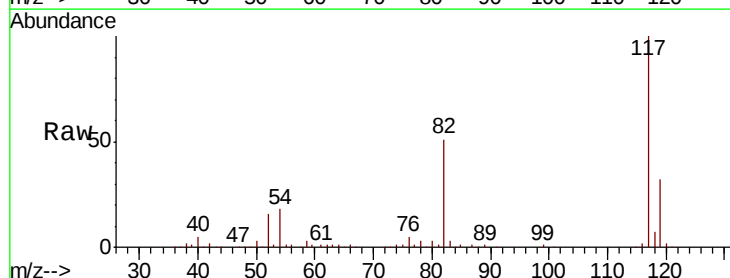
Tgt Ion: 117 Resp: 481298

Ion Ratio Lower Upper

117 100

82 50.8 41.8 62.8

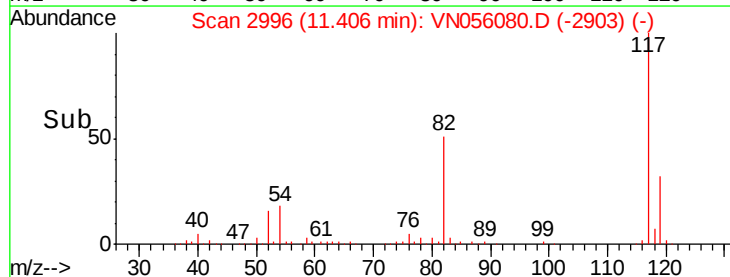
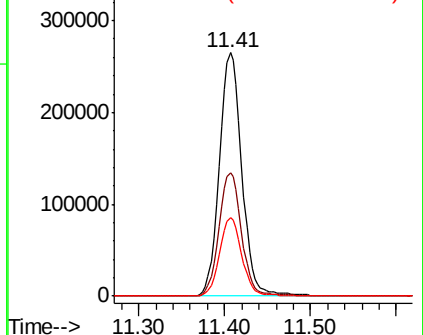
119 32.2 25.4 38.0

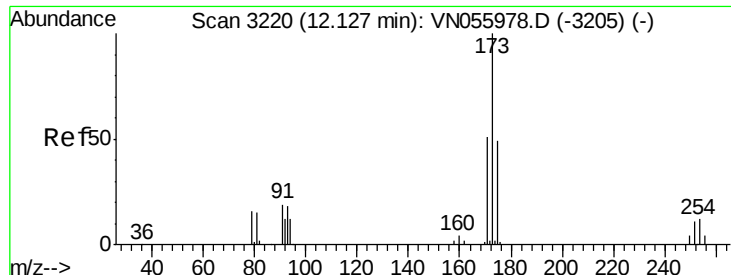


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

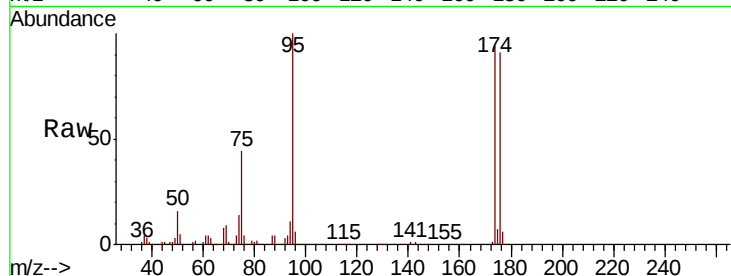




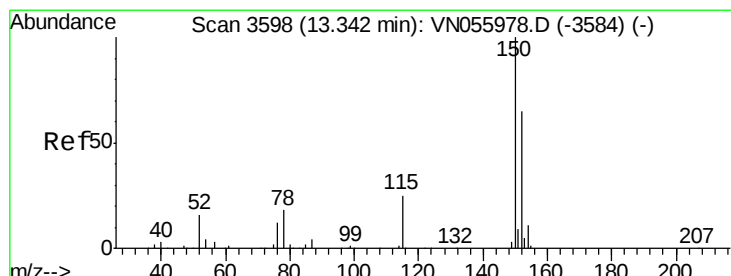
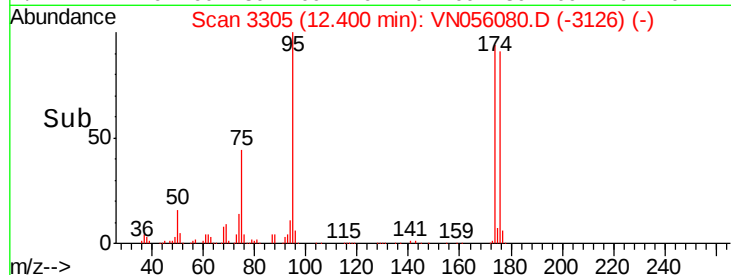
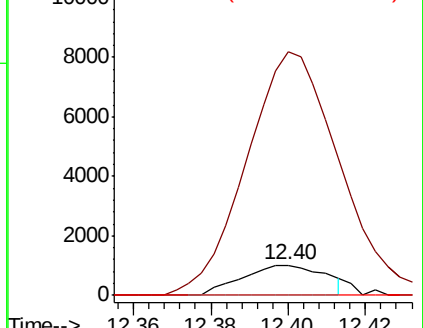
#71
Bromoform
Concen: 3.251 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056080.D
Acq: 7 Jun 2019 6:24

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW304S-20190604

Tot Ion:173 Resp: 1495
Ion Ratio Lower Upper
173 100
175 795.8 24.3 72.8#
254 0.0 0.0 0.0

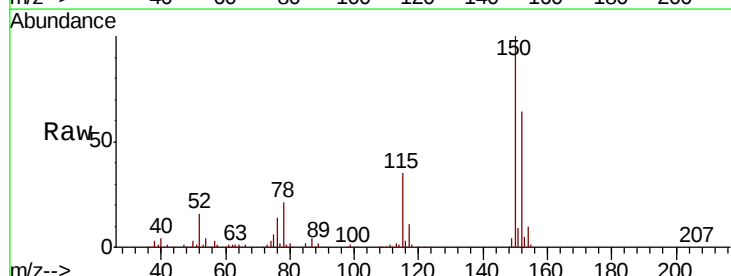


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

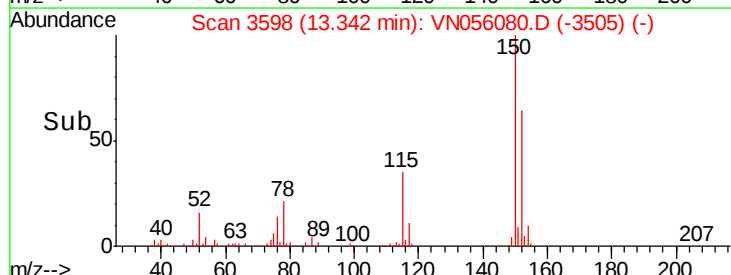
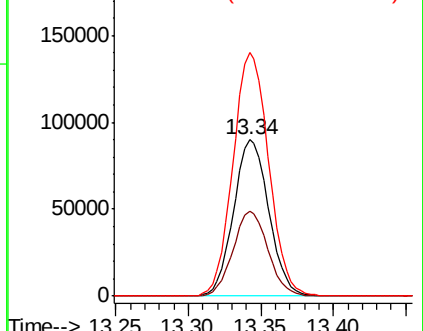


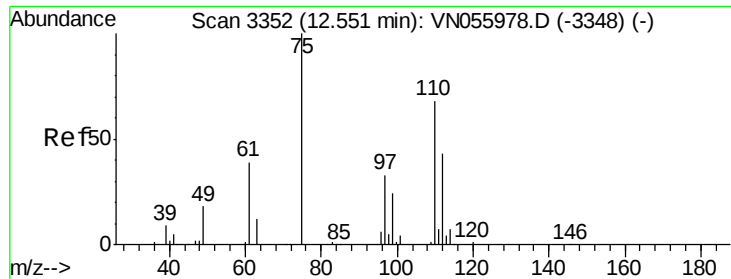
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056080.D
Acq: 7 Jun 2019 6:24

Tgt Ion:152 Resp: 151864
Ion Ratio Lower Upper
152 100
115 54.1 27.0 81.0
150 157.9 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: 32.930 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056080.D

Acq: 7 Jun 2019 6:24

Instrument :

MSVOA_N

ClientSampleId :

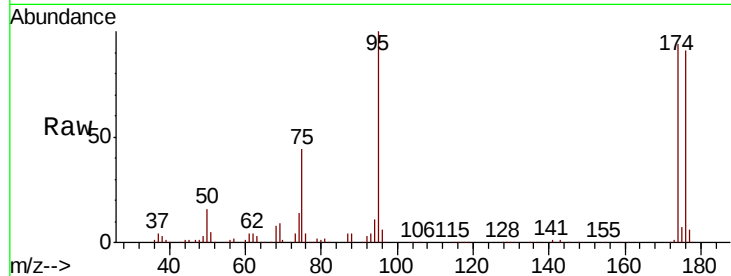
BPS1-TT-MW304S-20190604

Tot Ion: 75 Resp: 92018

Ion Ratio Lower Upper

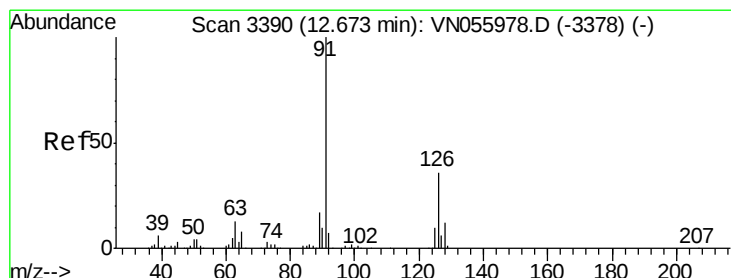
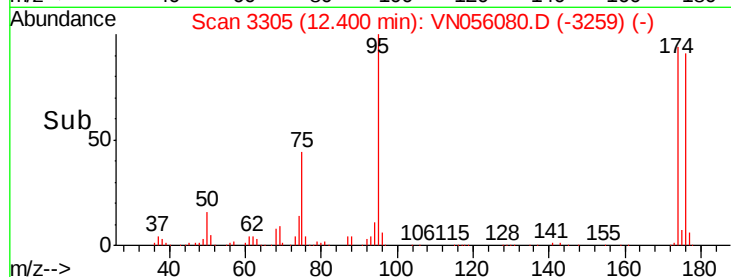
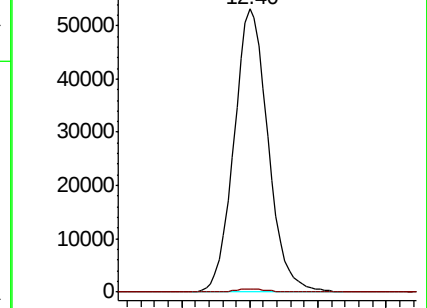
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. -0.27 min

Lab File: VN056080.D

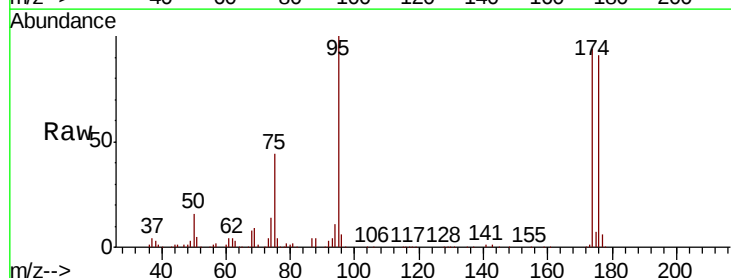
Acq: 7 Jun 2019 6:24

Tgt Ion: 91 Resp: 515

Ion Ratio Lower Upper

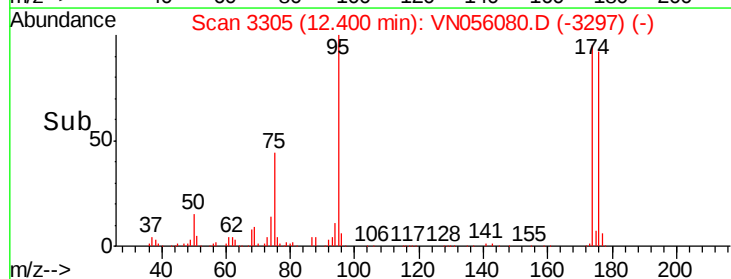
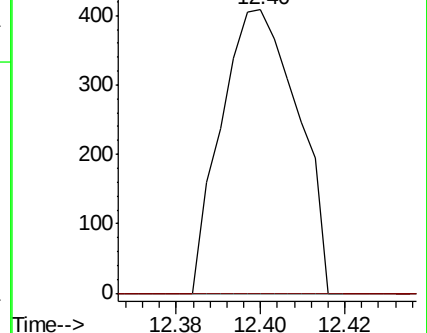
91 100

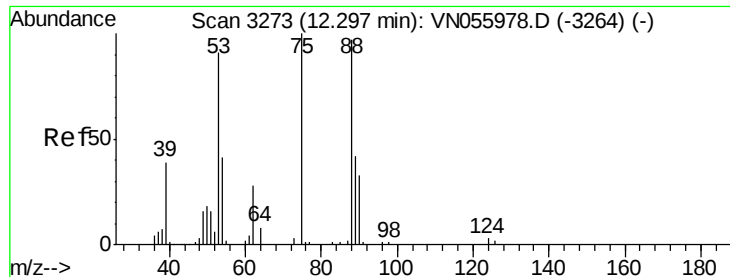
126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 109.663 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056080.D

Acq: 7 Jun 2019 6:24

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW304S-20190604

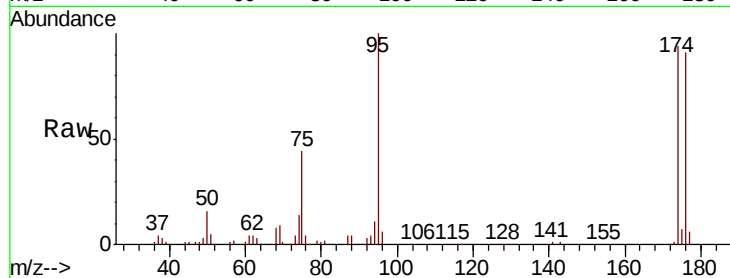
Tot Ion: 75 Resp: 92018

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

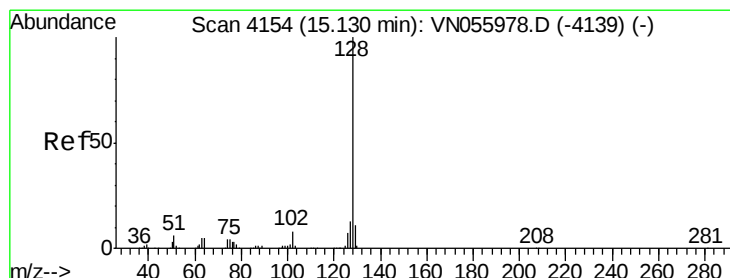
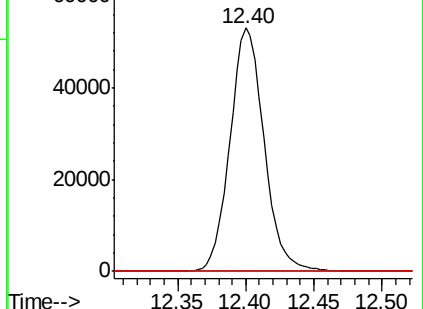
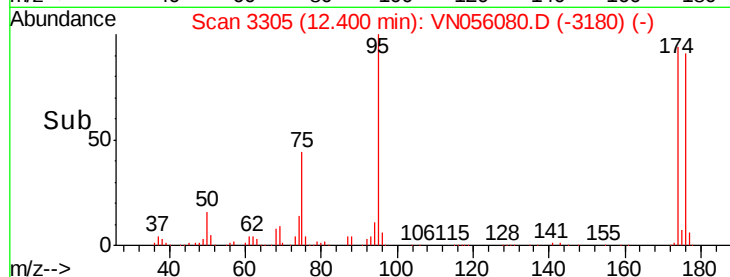
89 0.0 36.9 55.3#



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: 3.908 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056080.D

Acq: 7 Jun 2019 6:24

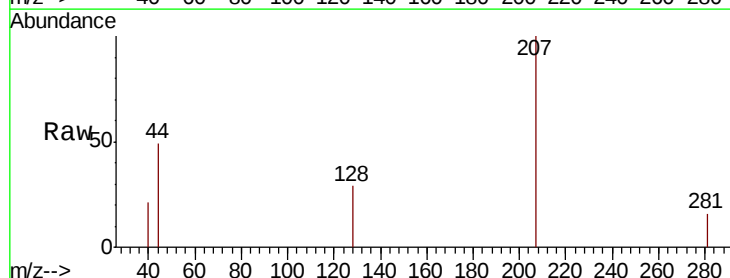
Tgt Ion: 128 Resp: 450

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) (-)

