

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054563.D
 Acq On : 22 Mar 2019 17:37
 Operator : JC/SP
 Sample : K1965-05RE
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW312I-20190315

Quant Time: Mar 23 02:33:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	642772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	987579	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	795611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	272532	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	435859	54.52	ug/l	0.00
Spiked Amount			Recovery	=	109.04%	
35) Dibromofluoromethane	7.59	113	336060	52.82	ug/l	0.00
Spiked Amount			Recovery	=	105.64%	
50) Toluene-d8	10.09	98	1265061	52.89	ug/l	0.00
Spiked Amount			Recovery	=	105.78%	
62) 4-Bromofluorobenzene	12.40	95	365578	44.92	ug/l	0.00
Spiked Amount			Recovery	=	89.84%	

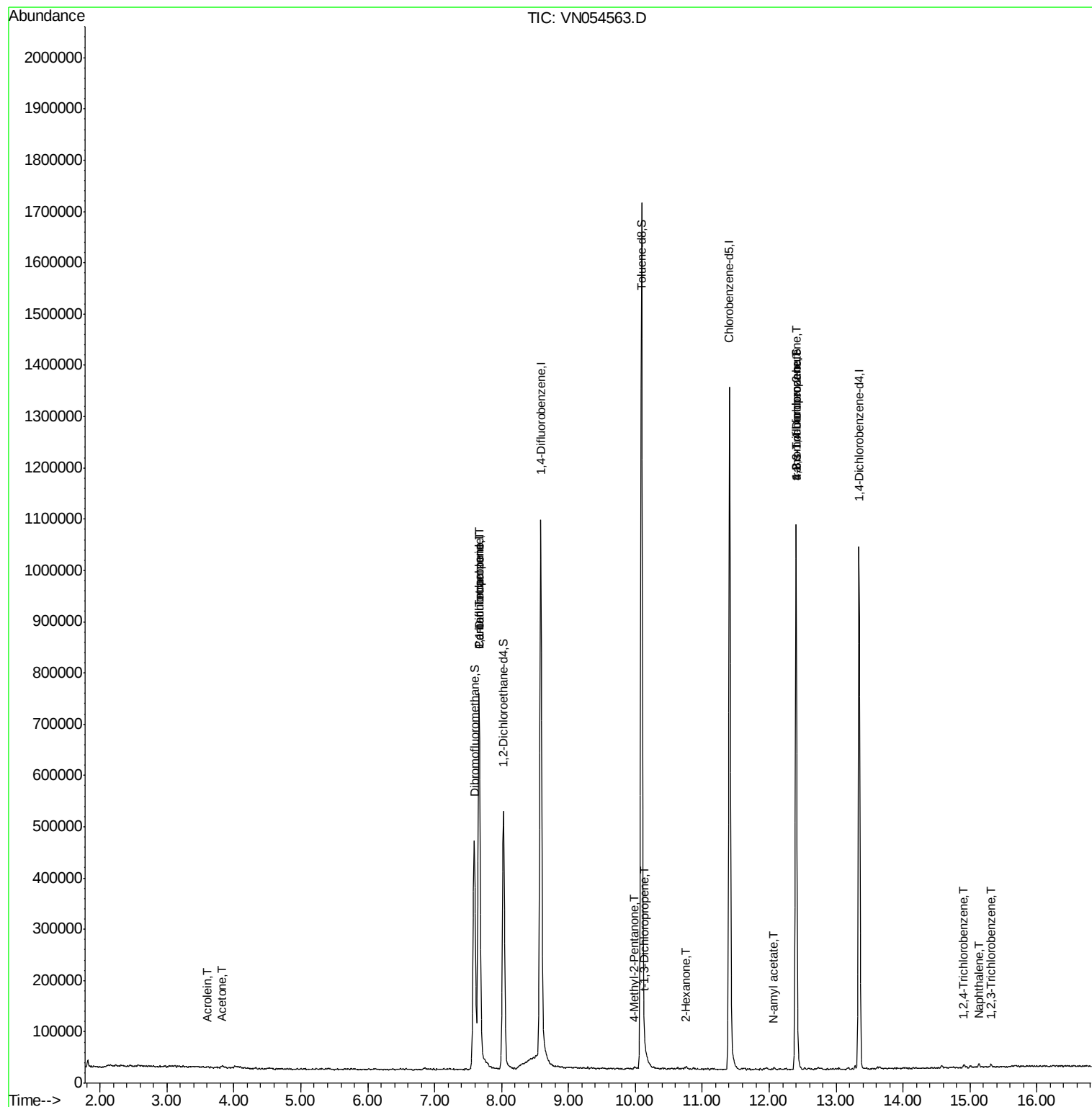
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.59	56	242	0.362	ug/l #	1
16) Acetone	3.83	43	3595	1.496	ug/l #	86
31) Cyclohexane	7.66	56	13606	Below Cal	#	29
36) 1,1-Dichloropropene	7.67	75	45797	4.960	ug/l #	49
38) Carbon Tetrachloride	7.66	117	58812	6.554	ug/l #	16
51) 4-Methyl-2-Pentanone	9.99	43	2125	0.346	ug/l #	80
53) t-1,3-Dichloropropene	10.15	75	31	2.235	ug/l #	42
59) 2-Hexanone	10.76	43	2851	0.710	ug/l	80
74) N-amyl acetate	12.07	43	1607	0.254	ug/l #	85
76) 1,2,3-Trichloropropane	12.40	75	189897	43.910	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	189897	144.943	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	1893	0.434	ug/l	93
94) Hexachlorobutadiene	15.02	225	481	Below Cal		90
95) Naphthalene	15.13	128	6369	0.655	ug/l	96
96) 1,2,3-Trichlorobenzene	15.31	180	2404	0.554	ug/l	91

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN032219\
Data File : VN054563.D
Acq On : 22 Mar 2019 17:37
Operator : JC/SP
Sample : K1965-05RE
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW312I-20190315

Quant Time: Mar 23 02:33:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 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: VN054563.D

Acq: 22 Mar 2019 17:37

Instrument :

MSVOA_N

ClientSampleId :

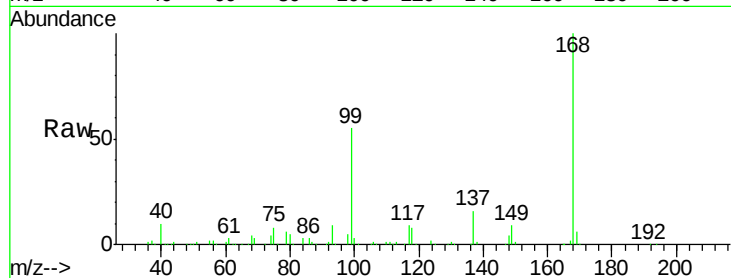
BPS1-TT-MW312I-20190315

Tot Ion:168 Resp: 642772

Ion Ratio Lower Upper

168 100

99 55.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

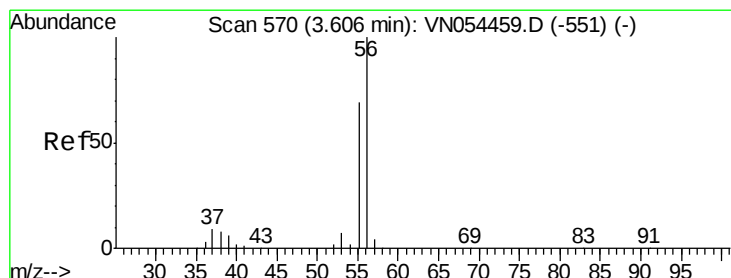
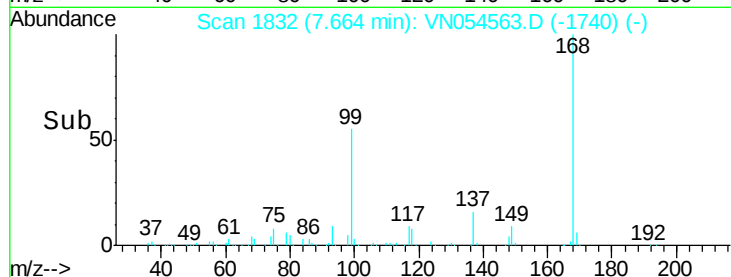
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 0.362 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN054563.D

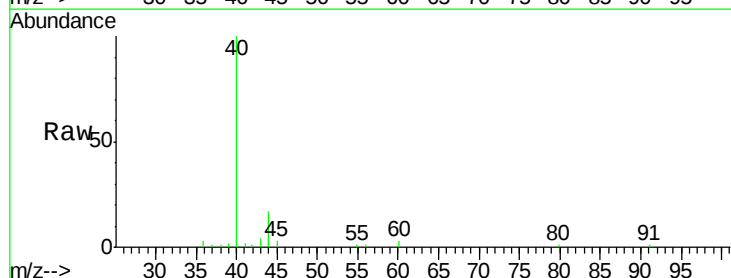
Acq: 22 Mar 2019 17:37

Tgt Ion: 56 Resp: 242

Ion Ratio Lower Upper

56 100

55 244.6 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.59

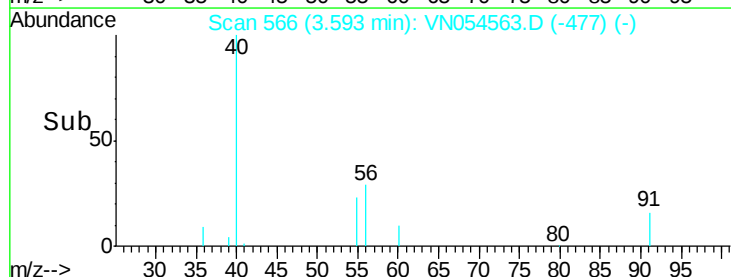
300

200

100

0

Time-->

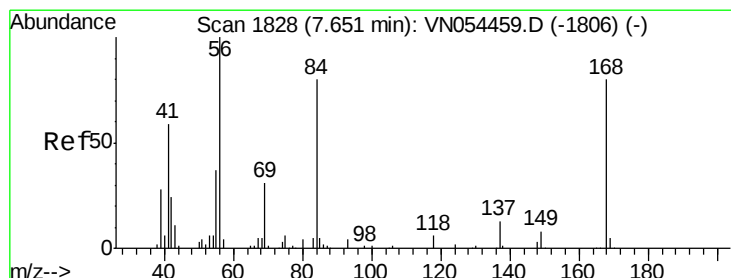
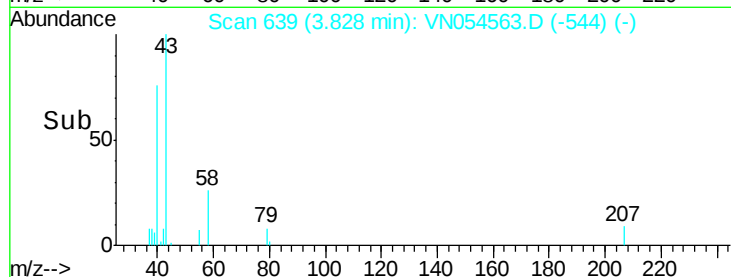
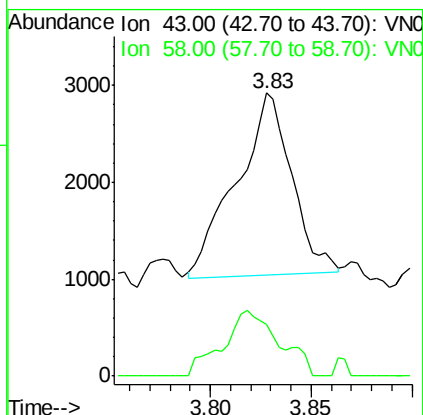
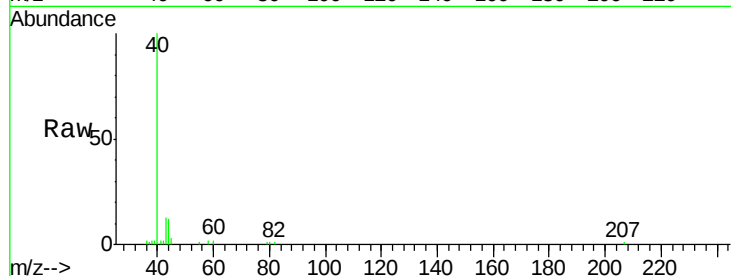




#16
Acetone
Concen: 1.496 ug/l
RT: 3.83 min Scan# 639
Delta R.T. 0.01 min
Lab File: VN054563.D
Acq: 22 Mar 2019 17:37

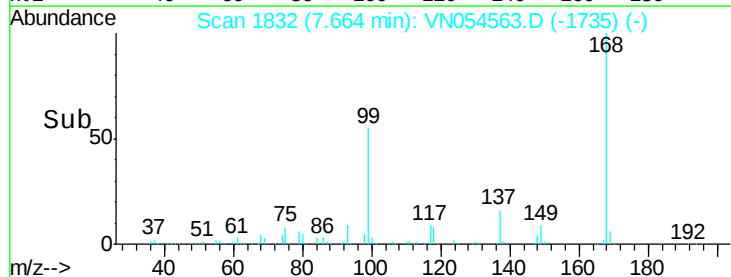
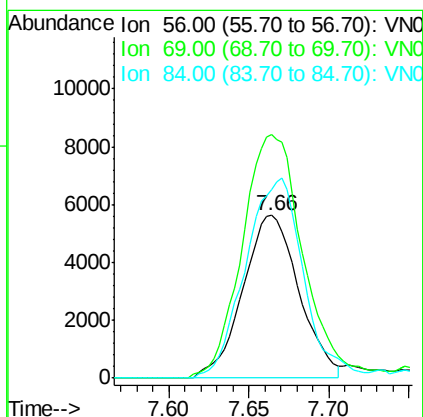
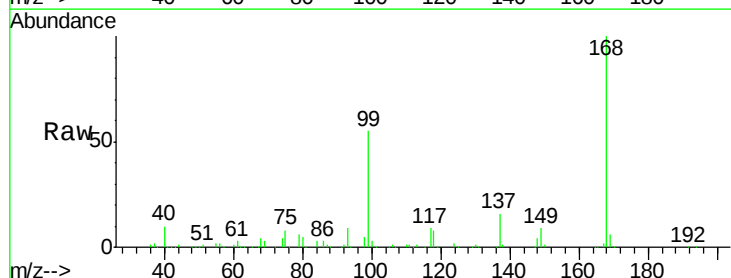
Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW312I-20190315

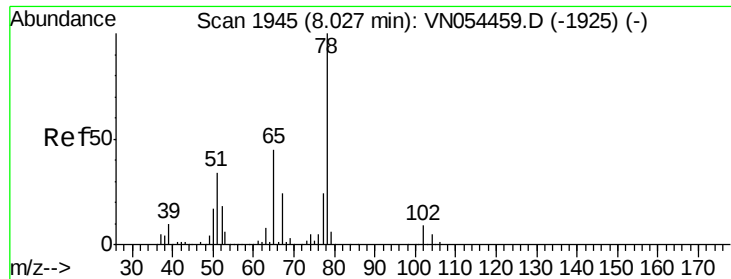
Tot Ion: 43 Resp: 3595
Ion Ratio Lower Upper
43 100
58 28.9 29.9 44.9#



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054563.D
Acq: 22 Mar 2019 17:37

Tgt Ion: 56 Resp: 13606
Ion Ratio Lower Upper
56 100
69 149.6 27.8 41.6#
84 115.5 74.6 111.8#





#33

1,2-Dichloroethane-d4

Concen: 54.516 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054563.D

Acq: 22 Mar 2019 17:37

Instrument :

MSVOA_N

ClientSampleId :

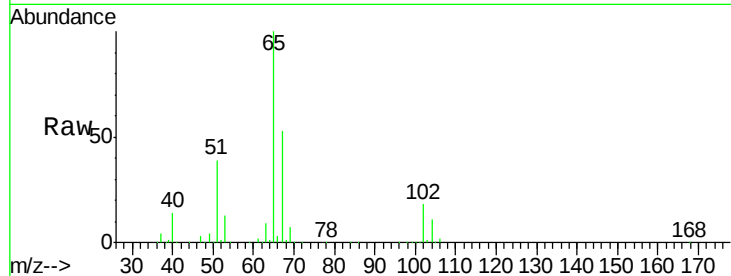
BPS1-TT-MW312I-20190315

Tot Ion: 65 Resp: 435859

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN054459.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN054459.D (-1925) (-)

8.03

200000

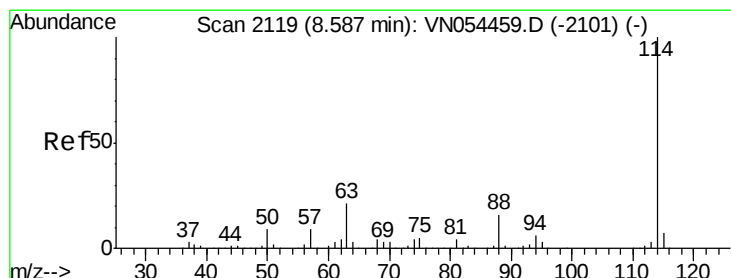
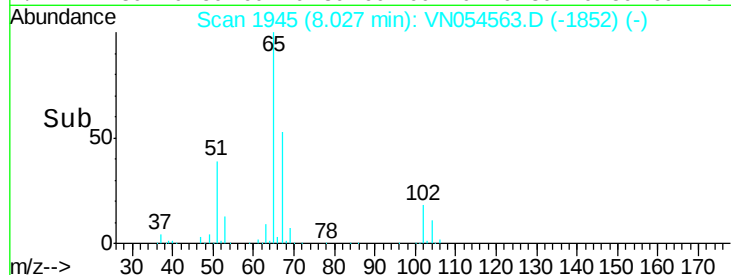
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054563.D

Acq: 22 Mar 2019 17:37

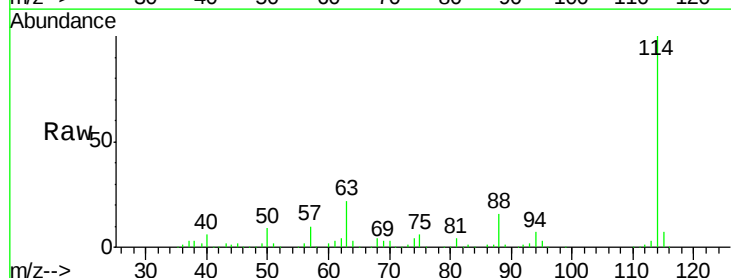
Tgt Ion: 114 Resp: 987579

Ion Ratio Lower Upper

114 100

63 22.0 0.0 35.2

88 16.3 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054459.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN054459.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN054459.D (-2101) (-)

8.59

600000

500000

400000

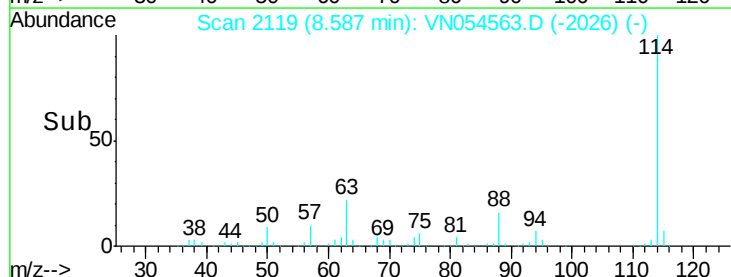
300000

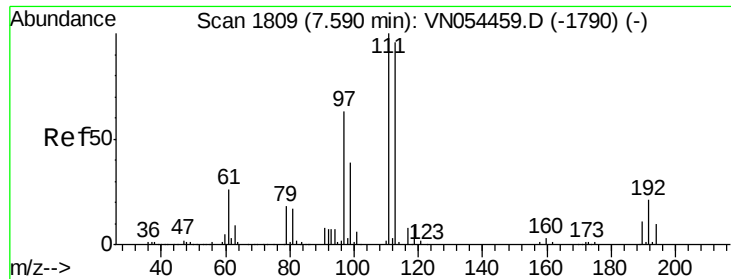
200000

100000

0

Time-->

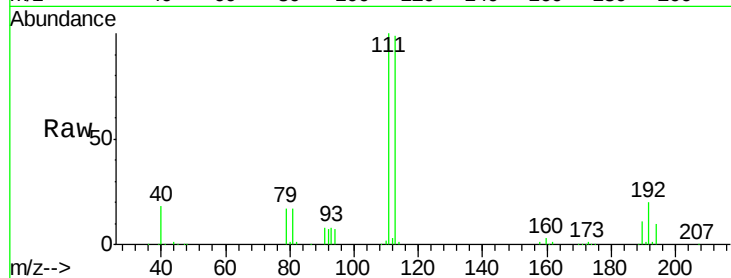




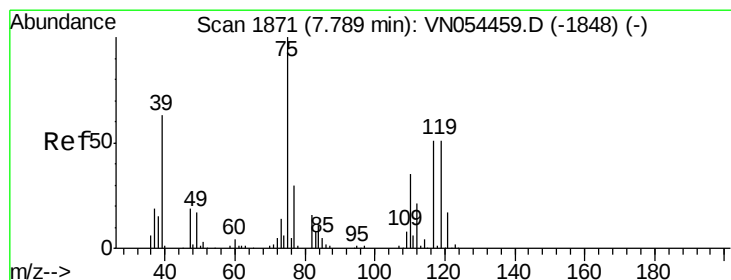
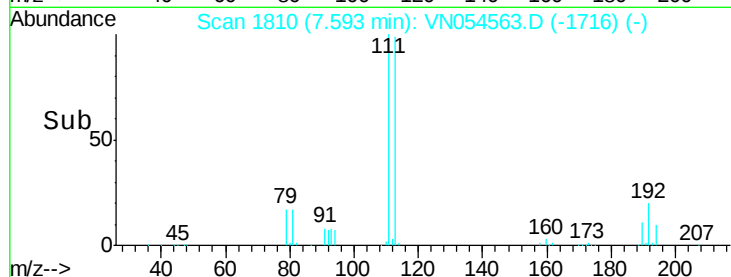
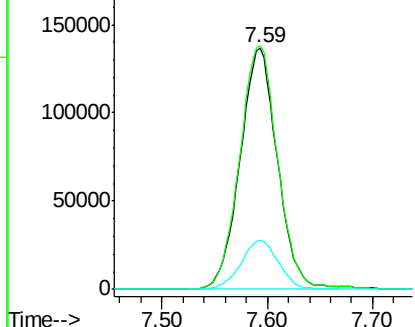
#35
 Dibromofluoromethane
 Concen: 52.819 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054563.D
 Acq: 22 Mar 2019 17:37

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW312I-20190315

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.2	123.4
192	20.7	19.2	28.8

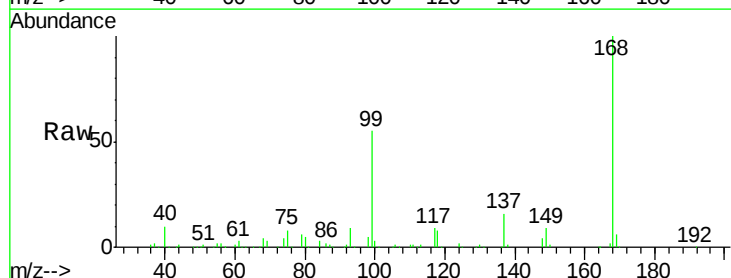


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

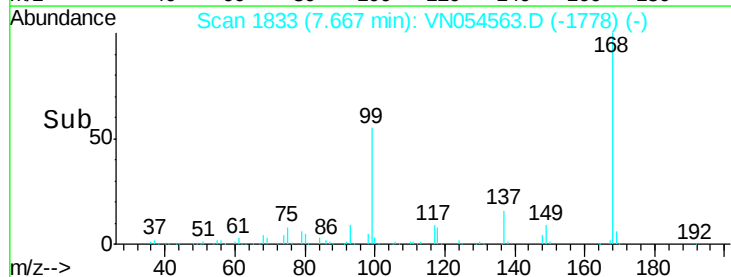
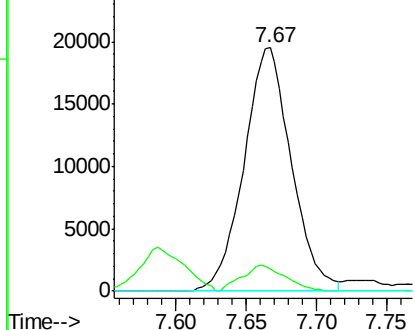


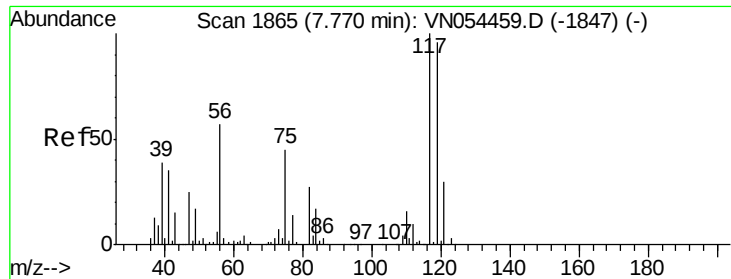
#36
 1,1-Dichloropropene
 Concen: 4.960 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN054563.D
 Acq: 22 Mar 2019 17:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	19.1	57.5#
77	0.0	25.0	37.4#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 6.554 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054563.D

Acq: 22 Mar 2019 17:37

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW312I-20190315

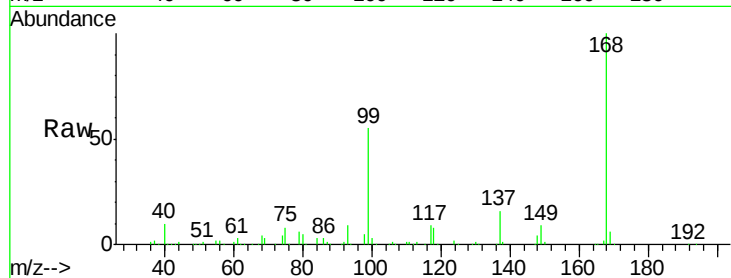
Tot Ion:117 Resp: 58812

Ion Ratio Lower Upper

117 100

119 4.7 76.3 114.5#

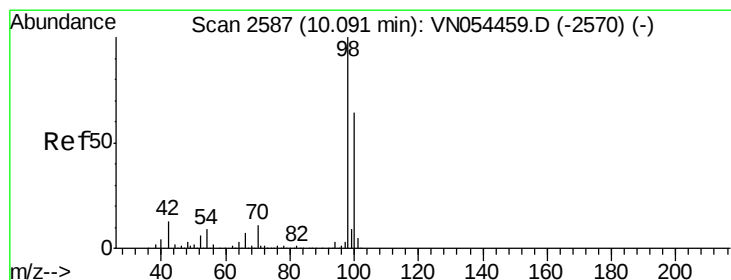
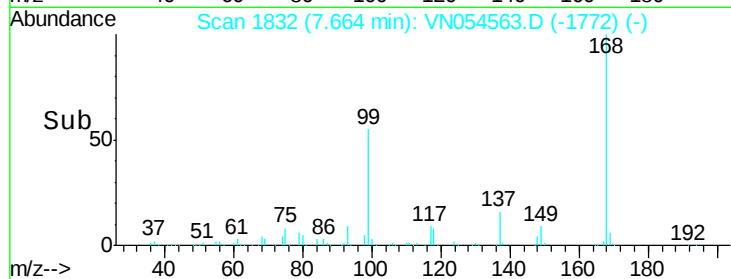
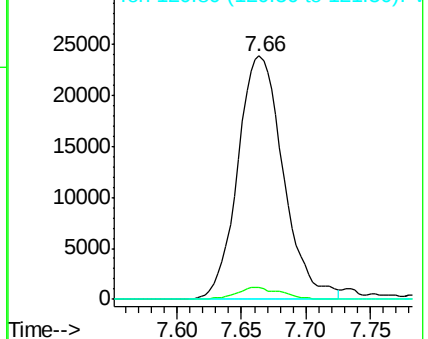
121 0.0 24.6 36.8#



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: 52.889 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054563.D

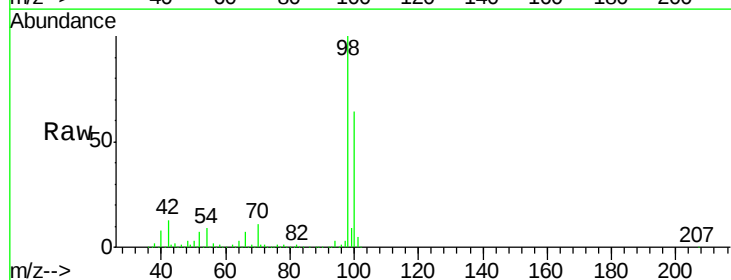
Acq: 22 Mar 2019 17:37

Tgt Ion: 98 Resp: 1265061

Ion Ratio Lower Upper

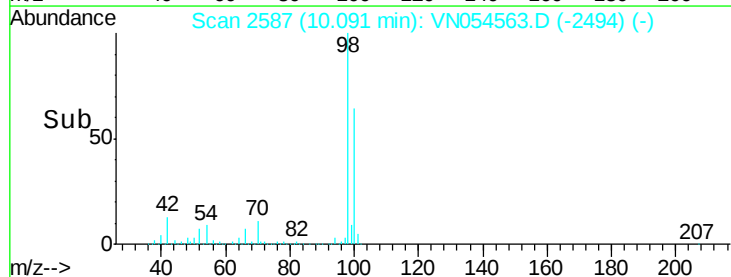
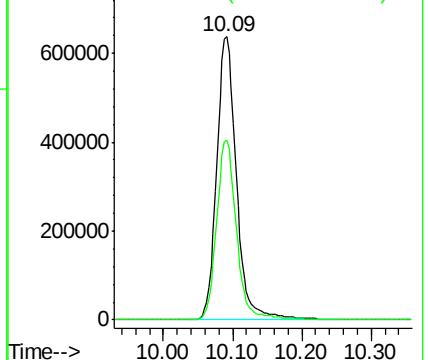
98 100

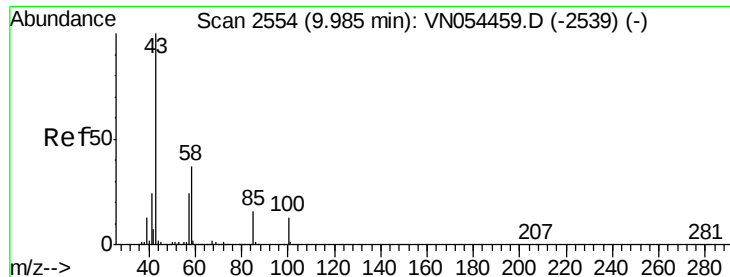
100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.346 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054563.D

Acq: 22 Mar 2019 17:37

Instrument :

MSVOA_N

ClientSampleId :

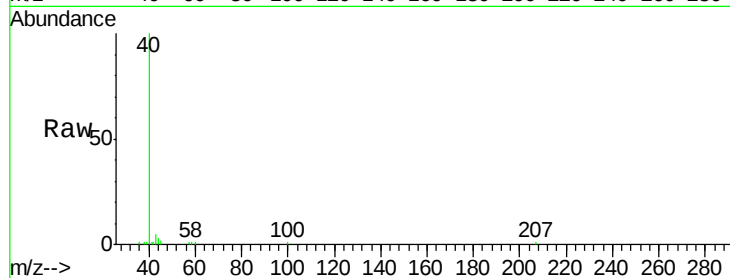
BPS1-TT-MW312I-20190315

Tot Ion: 43 Resp: 2125

Ion Ratio Lower Upper

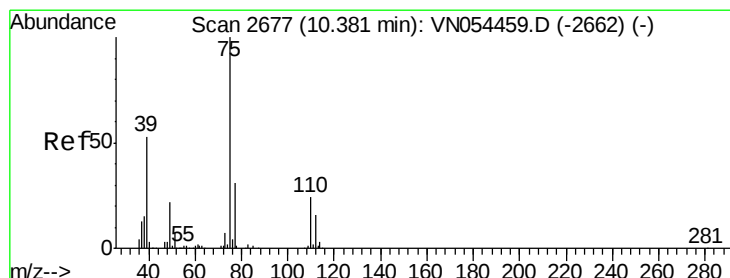
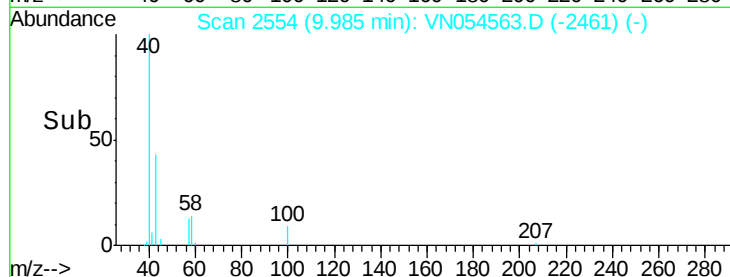
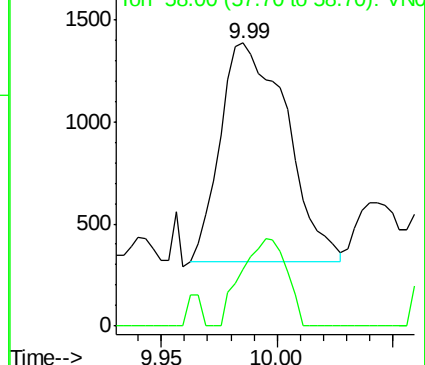
43 100

58 27.3 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#53

t-1,3-Dichloropropene

Concen: 2.235 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.23 min

Lab File: VN054563.D

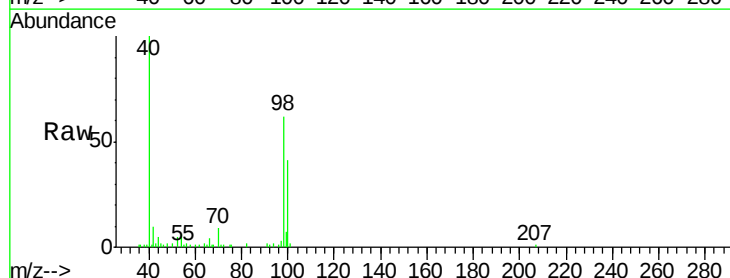
Acq: 22 Mar 2019 17:37

Tgt Ion: 75 Resp: 31

Ion Ratio Lower Upper

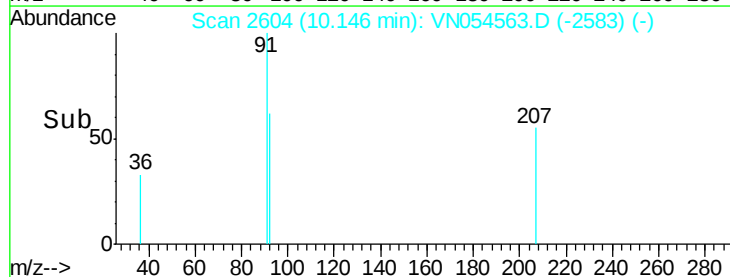
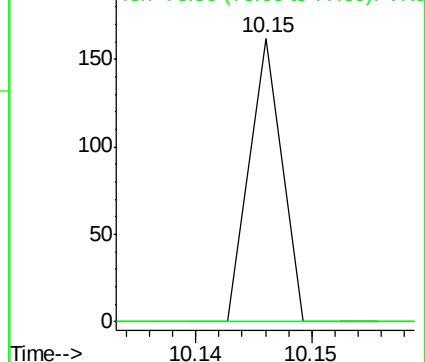
75 100

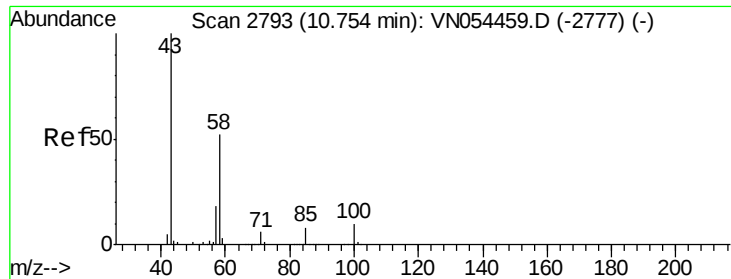
77 0.0 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

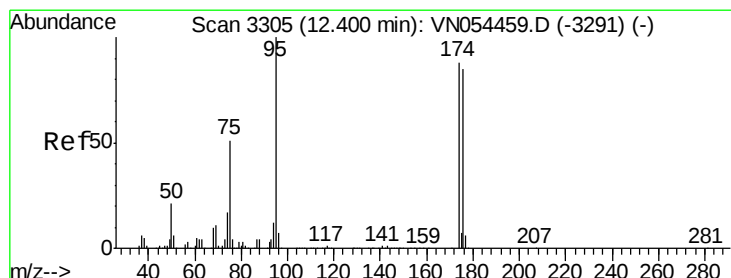
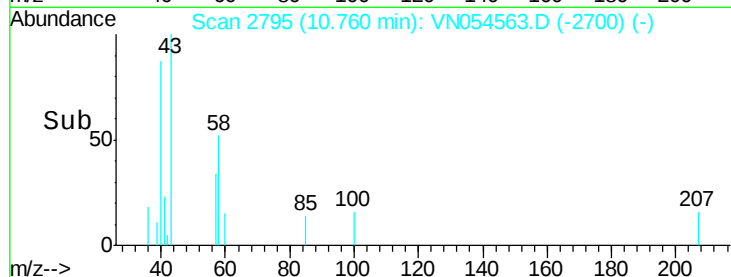
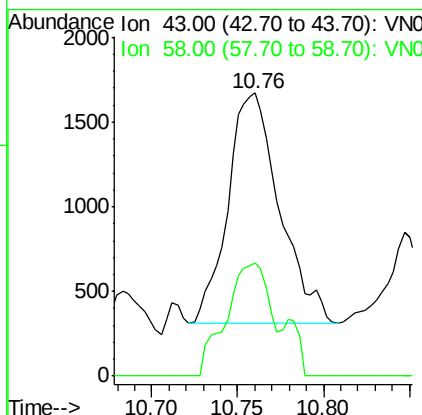
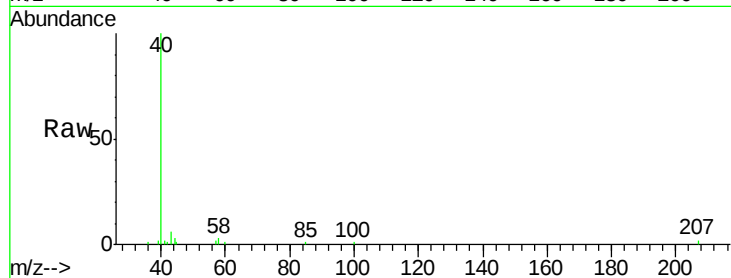




#59
2-Hexanone
Concen: 0.710 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN054563.D
Acq: 22 Mar 2019 17:37

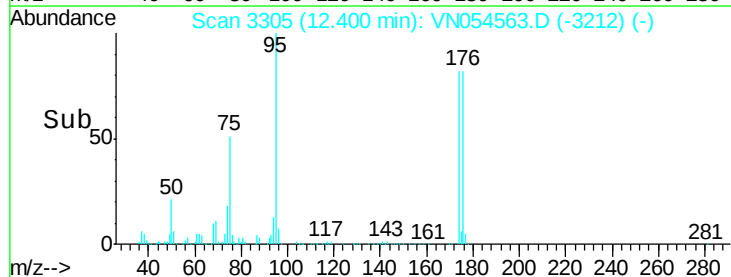
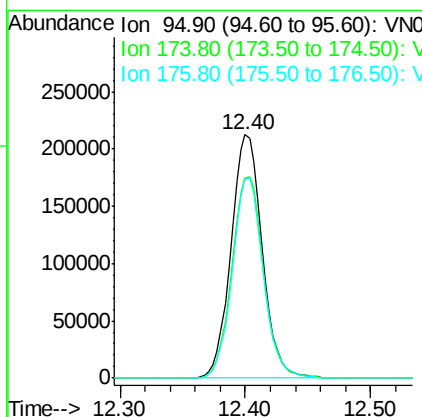
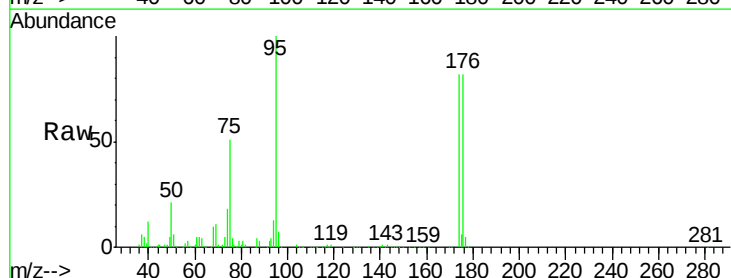
Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW312I-20190315

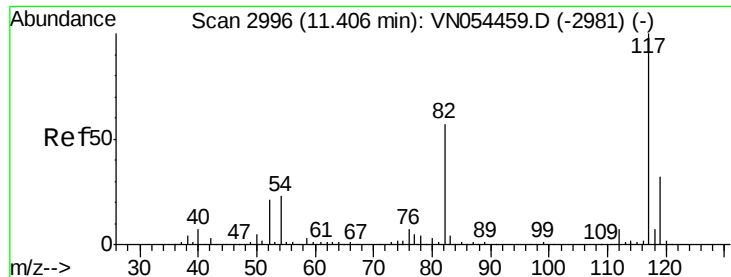
Tot Ion: 43 Resp: 2851
Ion Ratio Lower Upper
43 100
58 41.2 28.0 83.9



#62
4-Bromofluorobenzene
Concen: 44.916 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054563.D
Acq: 22 Mar 2019 17:37

Tgt Ion: 95 Resp: 365578
Ion Ratio Lower Upper
95 100
174 84.1 0.0 191.0
176 81.7 0.0 187.4

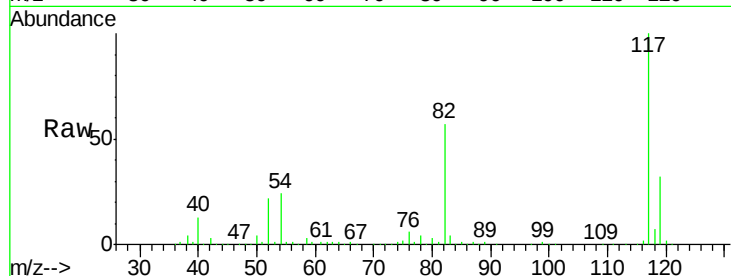




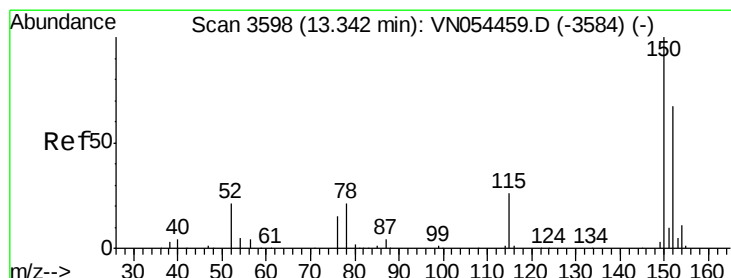
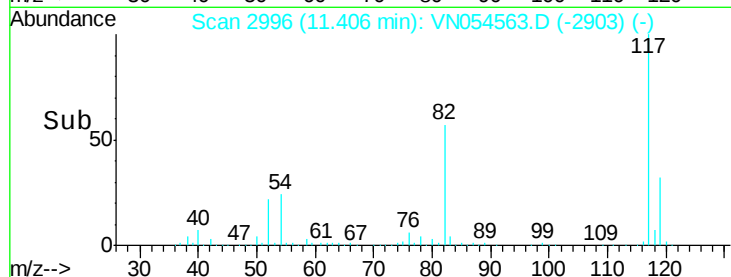
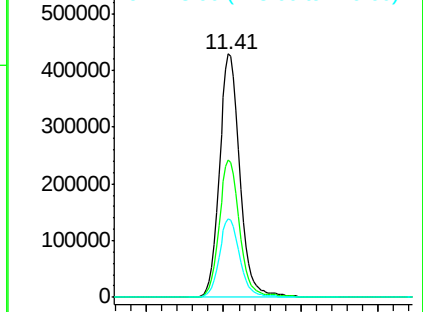
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054563.D
Acq: 22 Mar 2019 17:37

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW312I-20190315

Tot Ion:117 Resp: 795611
Ion Ratio Lower Upper
117 100
82 56.6 40.0 60.0
119 32.3 25.8 38.6

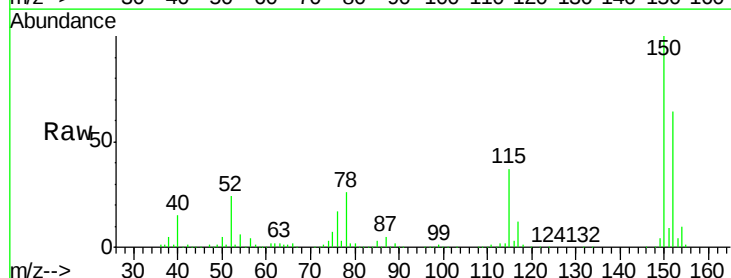


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

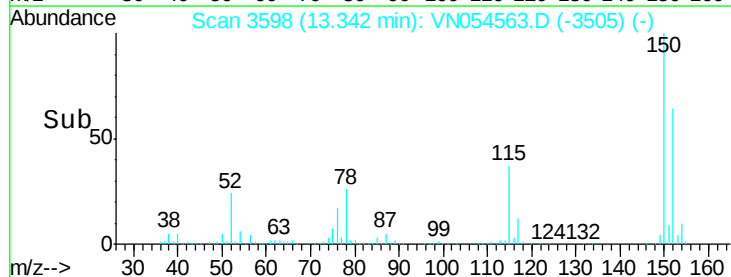
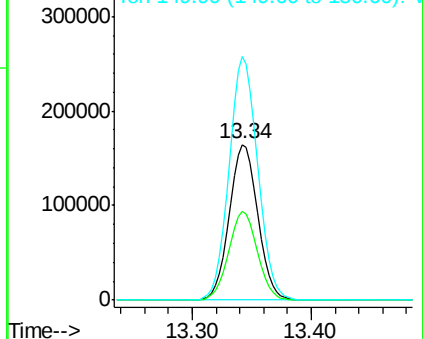


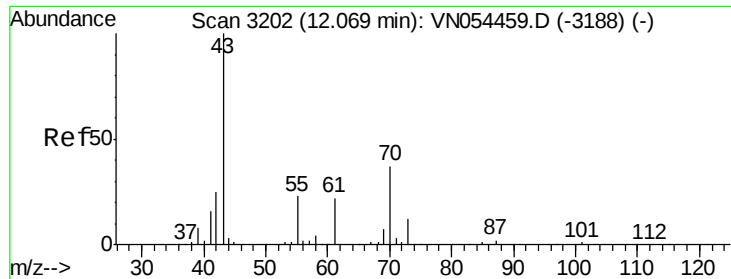
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054563.D
Acq: 22 Mar 2019 17:37

Tgt Ion:152 Resp: 272532
Ion Ratio Lower Upper
152 100
115 57.8 27.2 81.6
150 157.1 0.0 349.2



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





#74

N-amyl acetate

Concen: 0.254 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054563.D

Acq: 22 Mar 2019 17:37

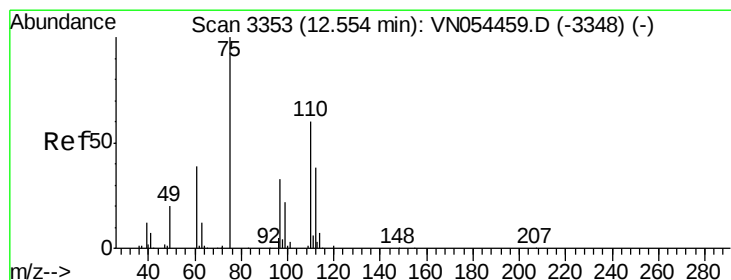
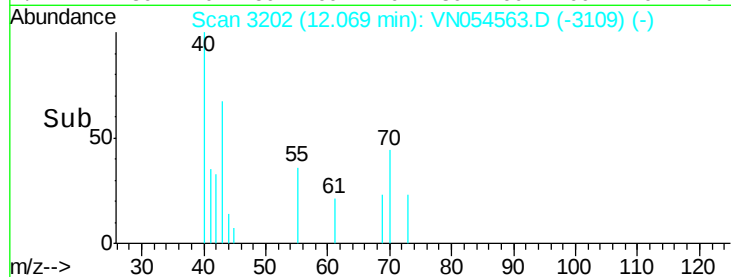
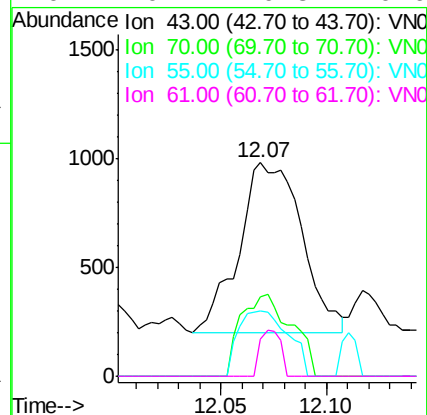
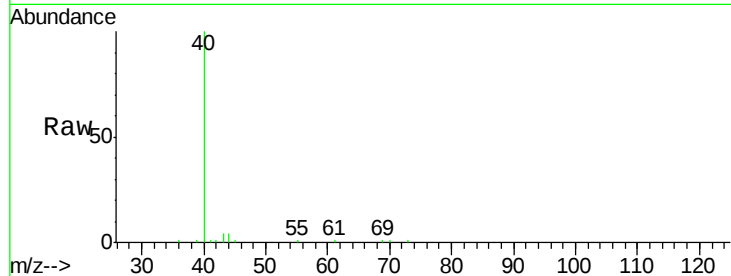
Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW312I-20190315

Tot Ion:	43	Resp:	1607
Ion	Ratio	Lower	Upper
43	100		
70	39.1	35.4	53.0
55	30.7	19.8	29.6#
61	9.1	19.8	29.6#



#76

1,2,3-Trichloropropane

Concen: 43.910 ug/l

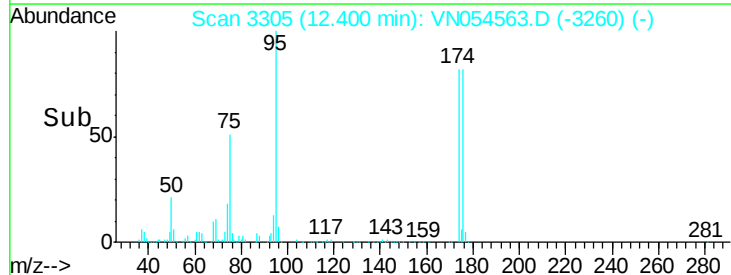
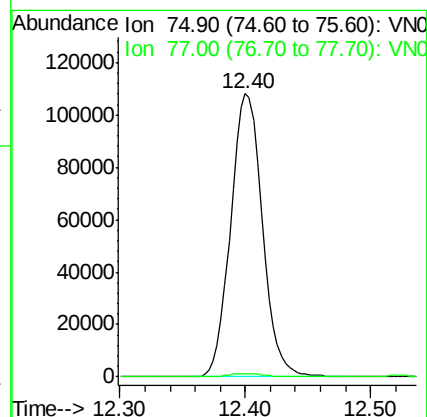
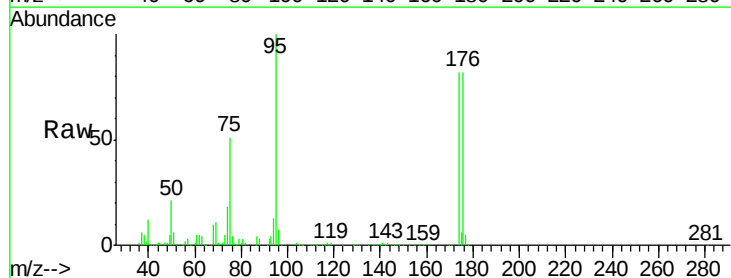
RT: 12.40 min Scan# 3305

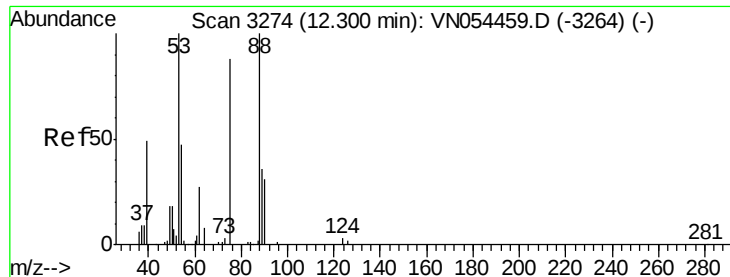
Delta R.T. -0.15 min

Lab File: VN054563.D

Acq: 22 Mar 2019 17:37

Tgt Ion:	75	Resp:	189897
Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 144.943 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054563.D

Acq: 22 Mar 2019 17:37

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW312I-20190315

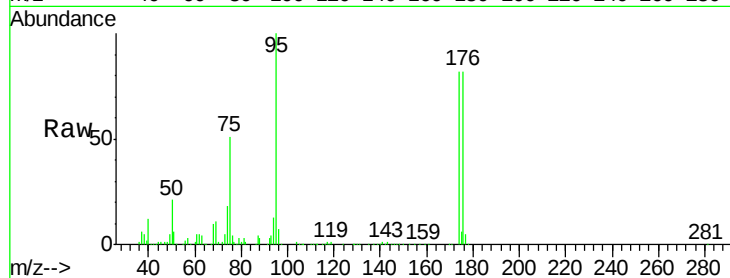
Tot Ion: 75 Resp: 189897

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

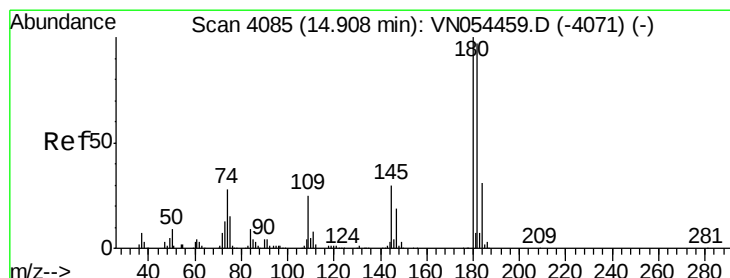
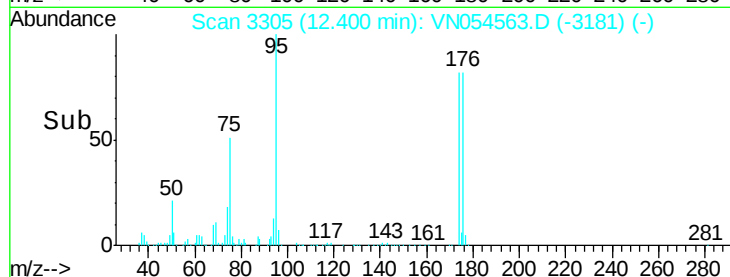
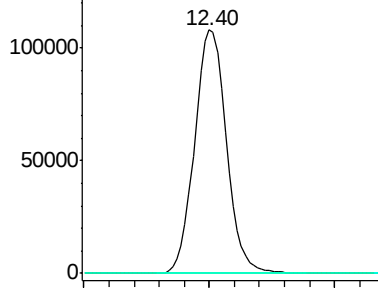
89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN054459.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN054459.D (-3264) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.434 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN054563.D

Acq: 22 Mar 2019 17:37

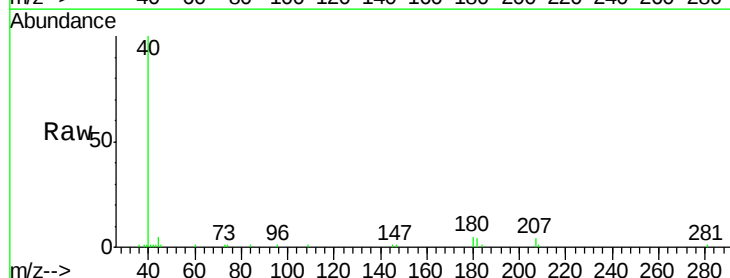
Tgt Ion:180 Resp: 1893

Ion Ratio Lower Upper

180 100

182 88.5 48.0 144.2

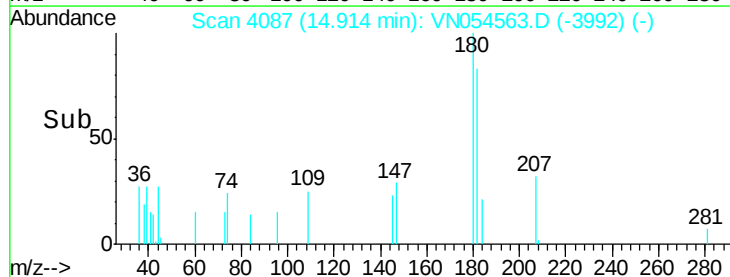
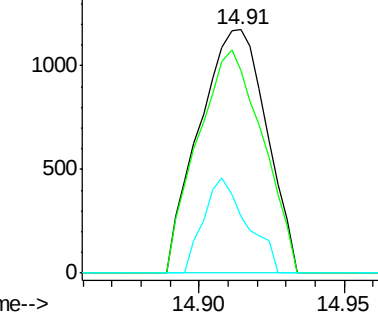
145 25.2 14.2 42.8

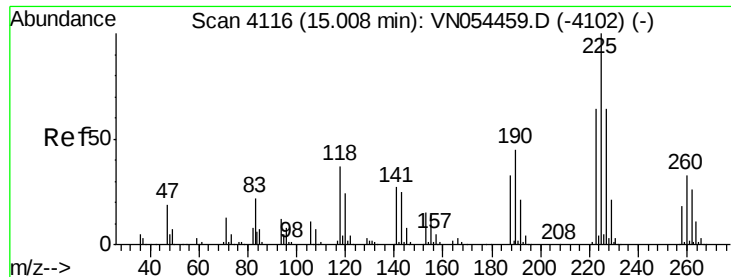


Abundance Ion 179.80 (179.50 to 180.50): VN054459.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN054459.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN054459.D (-4071) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.02 min Scan# 4119

Delta R.T. 0.01 min

Lab File: VN054563.D

Acq: 22 Mar 2019 17:37

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW312I-20190315

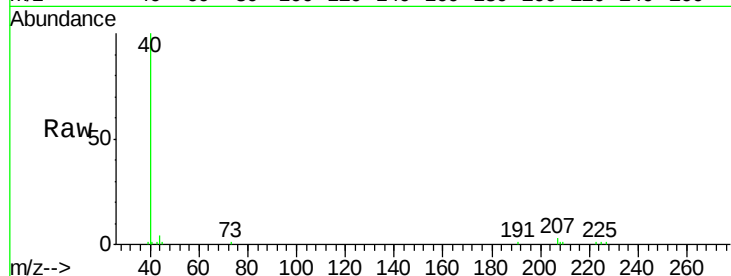
Tot Ion:225 Resp: 481

Ion Ratio Lower Upper

225 100

223 72.8 31.1 93.5

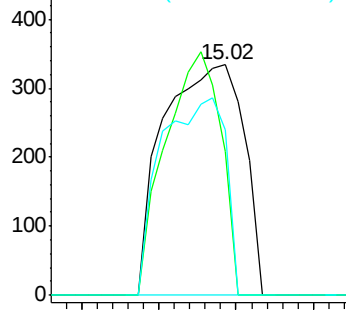
227 68.6 31.9 95.9



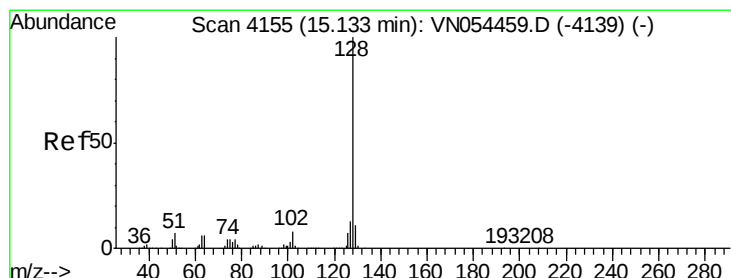
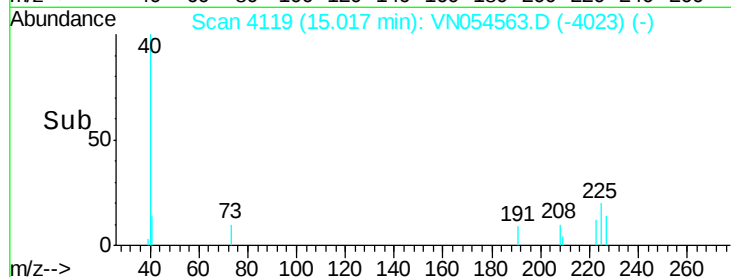
Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time-->



#95

Naphthalene

Concen: 0.655 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054563.D

Acq: 22 Mar 2019 17:37

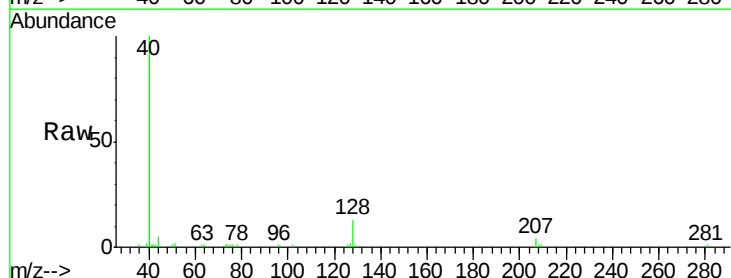
Tgt Ion:128 Resp: 6369

Ion Ratio Lower Upper

128 100

127 10.8 10.1 15.1

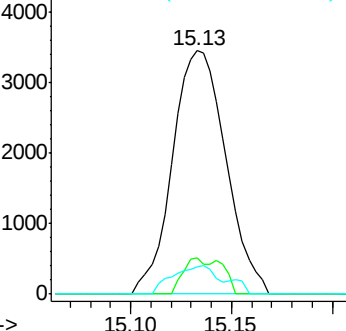
129 9.4 8.7 13.1



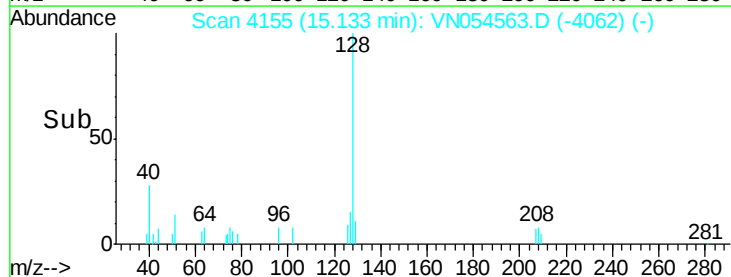
Abundance Ion 128.00 (127.70 to 128.70): V

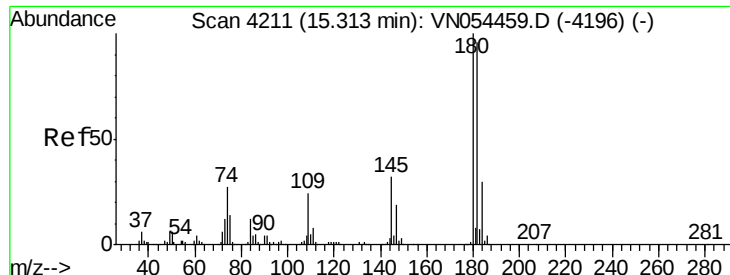
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 0.554 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN054563.D
 Acq: 22 Mar 2019 17:37

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW312I-20190315

Tot Ion:180 Resp: 2404
 Ion Ratio Lower Upper
 180 100
 182 85.7 47.5 142.6
 145 26.1 14.8 44.3

