

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054567.D
 Acq On : 22 Mar 2019 19:27
 Operator : JC/SP
 Sample : K1965-11RE
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW30211-20190315

Quant Time: Mar 23 02:34:25 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	594549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	941000	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	778910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	266270	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	418911	56.65	ug/l	0.00
Spiked Amount			Recovery	=	113.30%	
35) Dibromofluoromethane	7.59	113	326165	53.80	ug/l	0.00
Spiked Amount			Recovery	=	107.60%	
50) Toluene-d8	10.09	98	1224812	53.74	ug/l	0.00
Spiked Amount			Recovery	=	107.48%	
62) 4-Bromofluorobenzene	12.40	95	364993	47.06	ug/l	0.00
Spiked Amount			Recovery	=	94.12%	

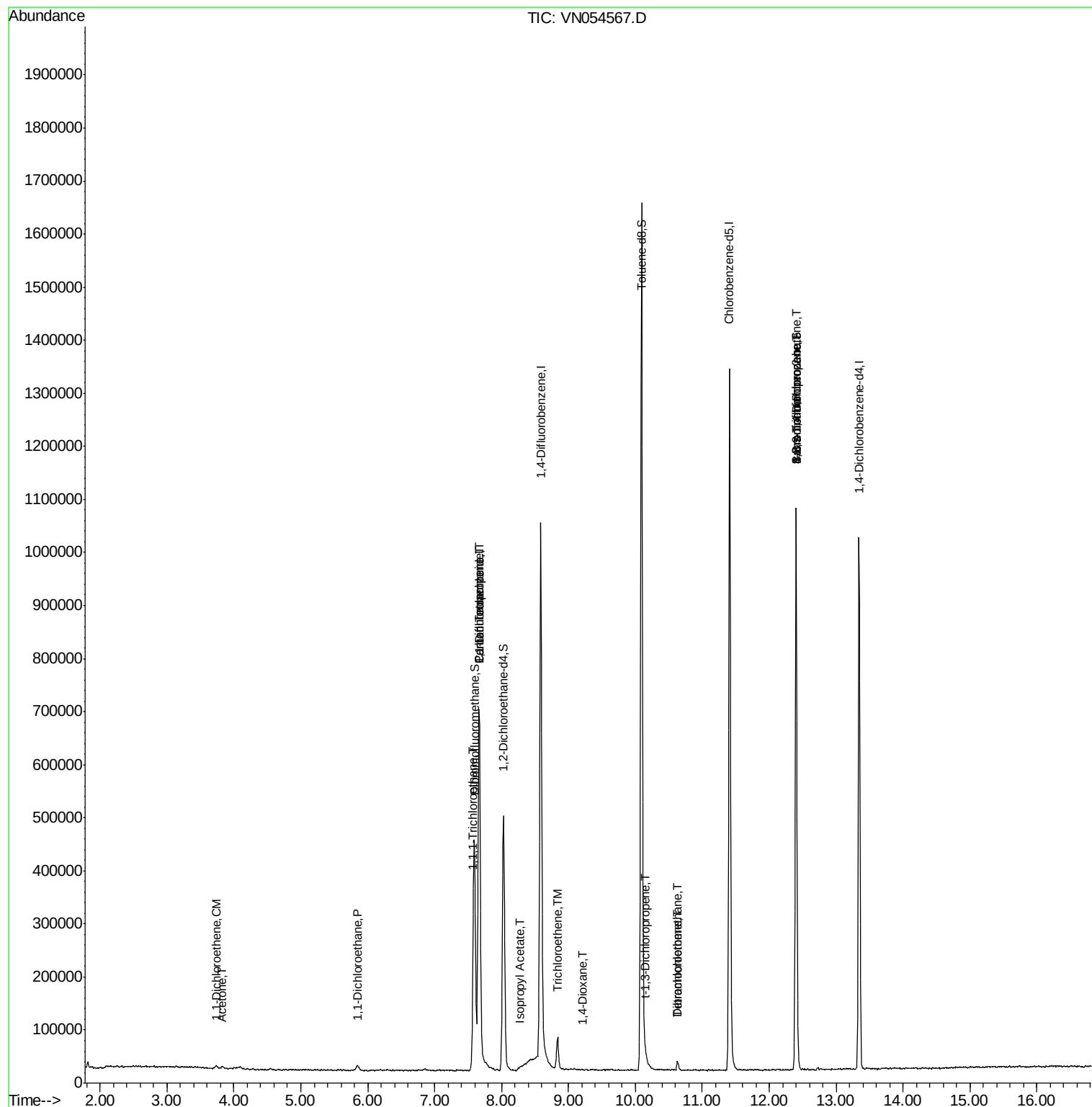
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	3.73	96	1520	0.265	ug/l #	64
16) Acetone	3.83	43	6832	3.073	ug/l #	81
24) 1,1-Dichloroethane	5.85	63	13946	1.216	ug/l	98
31) Cyclohexane	7.66	56	12380	Below Cal	#	1
32) 1,1,1-Trichloroethane	7.57	97	7982	0.864	ug/l #	44
36) 1,1-Dichloropropene	7.66	75	43641	4.960	ug/l #	47
38) Carbon Tetrachloride	7.67	117	56472	6.605	ug/l #	15
43) Isopropyl Acetate	8.26	43	4590	0.434	ug/l #	60
44) Trichloroethene	8.83	130	22353	3.196	ug/l	96
49) 1,4-Dioxane	9.21	88	745	11.618	ug/l #	82
53) t-1,3-Dichloropropene	10.15	75	32	2.236	ug/l #	42
60) Dibromochloromethane	10.63	129	3370	0.569	ug/l #	11
64) Tetrachloroethene	10.63	164	3933	0.609	ug/l	91
71) Bromoform	12.40	173	1487	2.583	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	190070	44.984	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	190070	148.410	ug/l #	11

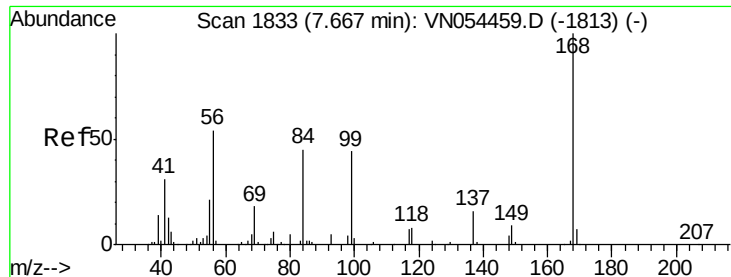
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BPS1-TT-MW30211-20190315

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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: VN054567.D

Acq: 22 Mar 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

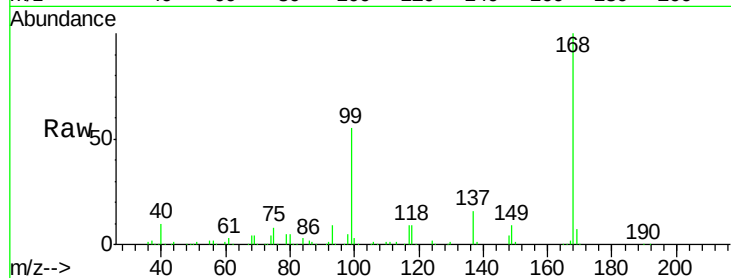
BPS1-TT-MW30211-20190315

Tot Ion:168 Resp: 594549

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): VN

7.66

250000

200000

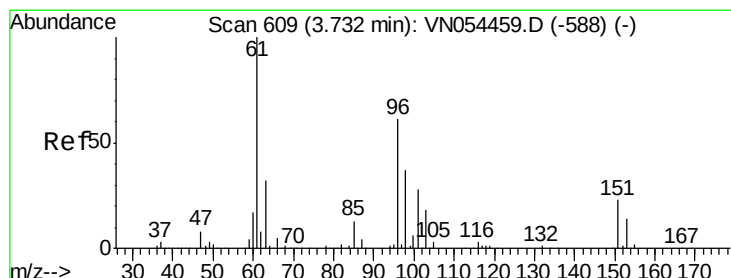
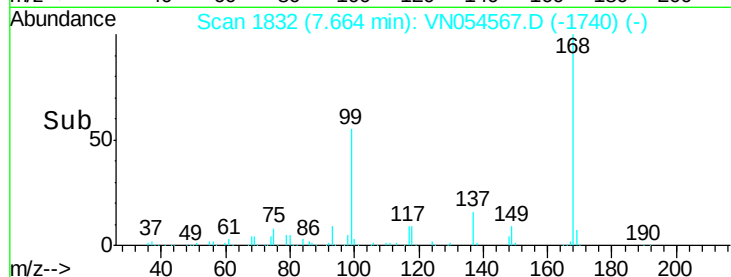
150000

100000

50000

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.265 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN054567.D

Acq: 22 Mar 2019 19:27

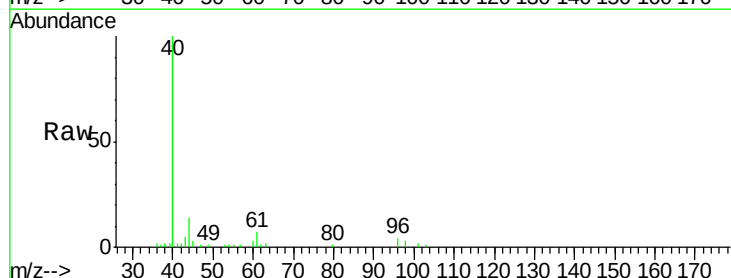
Tgt Ion: 96 Resp: 1520

Ion Ratio Lower Upper

96 100

61 193.3 116.5 174.7#

98 87.4 51.0 76.4#



Abundance Ion 95.90 (95.60 to 96.60): VN

Ion 60.90 (60.60 to 61.60): VN

Ion 97.90 (97.60 to 98.60): VN

2000

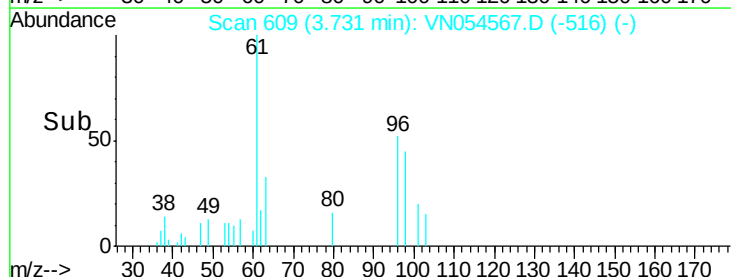
1500

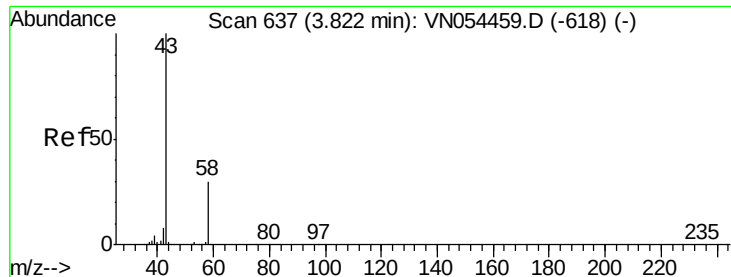
1000

500

0

Time-->





#16

Acetone

Concen: 3.073 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN054567.D

Acq: 22 Mar 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

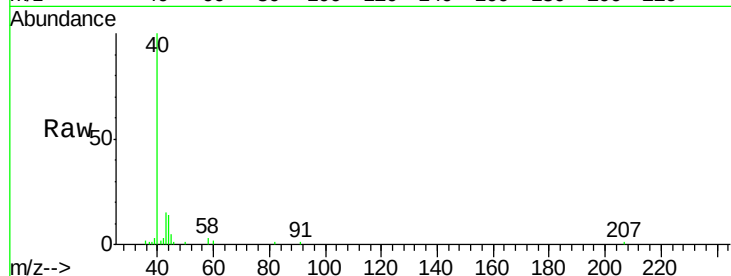
BPS1-TT-MW30211-20190315

Tot Ion: 43 Resp: 6832

Ion Ratio Lower Upper

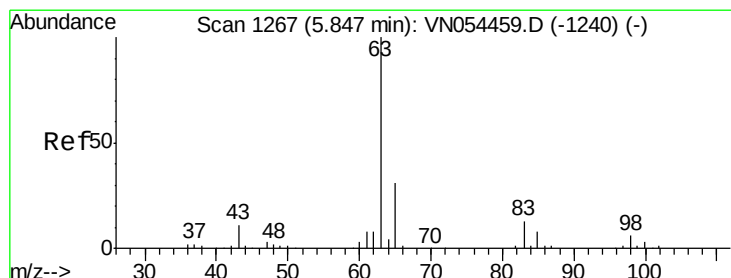
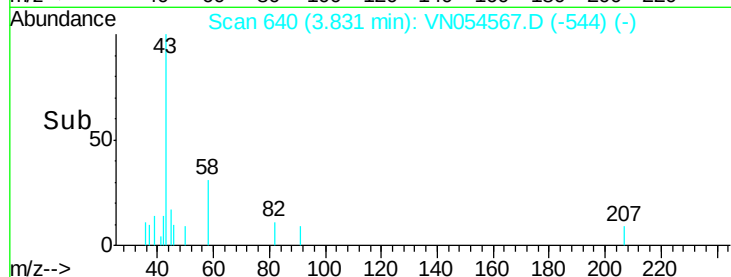
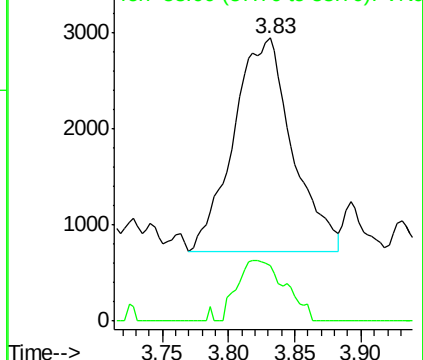
43 100

58 26.1 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#24

1,1-Dichloroethane

Concen: 1.216 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054567.D

Acq: 22 Mar 2019 19:27

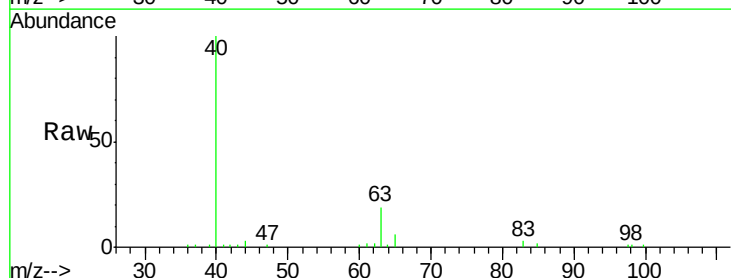
Tgt Ion: 63 Resp: 13946

Ion Ratio Lower Upper

63 100

98 7.8 3.5 10.5

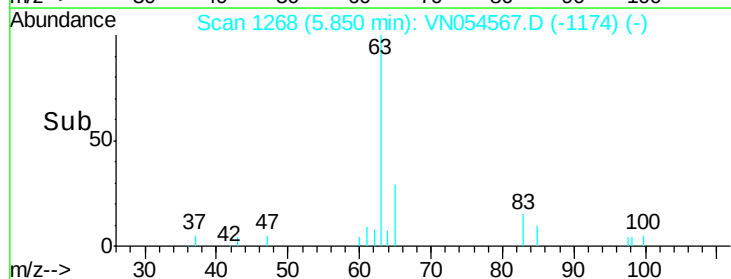
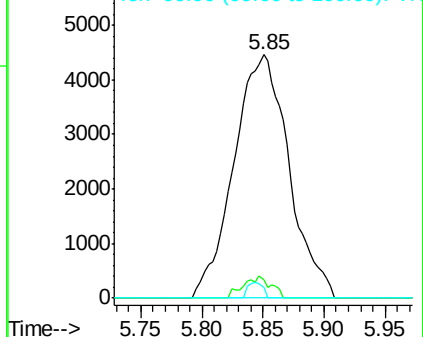
100 4.5 2.0 6.0

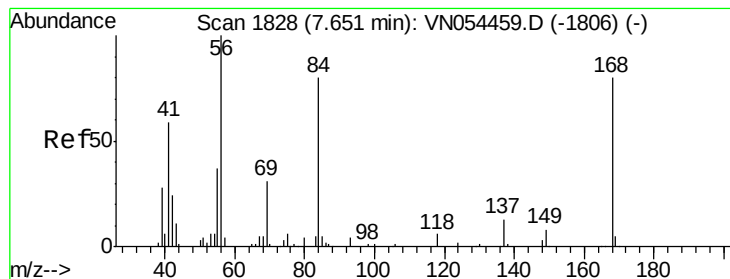


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN054567.D

Acq: 22 Mar 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW30211-20190315

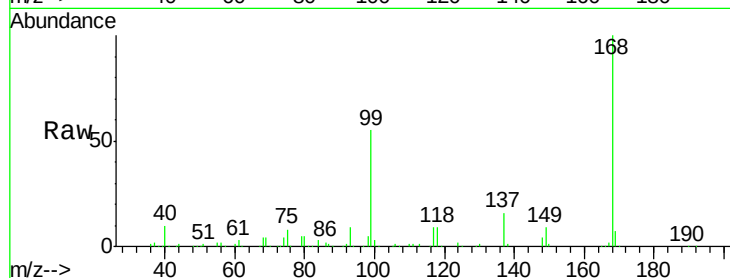
Tot Ion: 56 Resp: 12380

Ion Ratio Lower Upper

56 100

69 178.3 27.8 41.6#

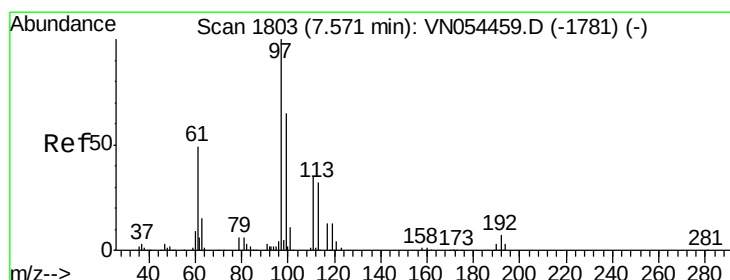
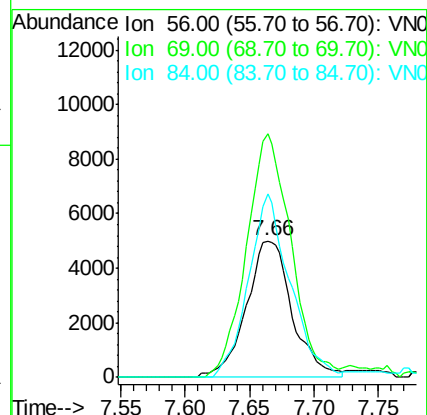
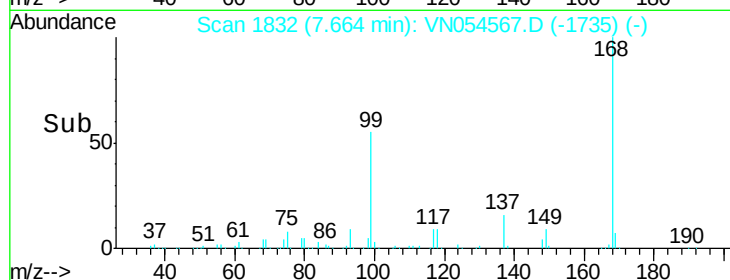
84 134.7 74.6 111.8#



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



#32

1,1,1-Trichloroethane

Concen: 0.864 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN054567.D

Acq: 22 Mar 2019 19:27

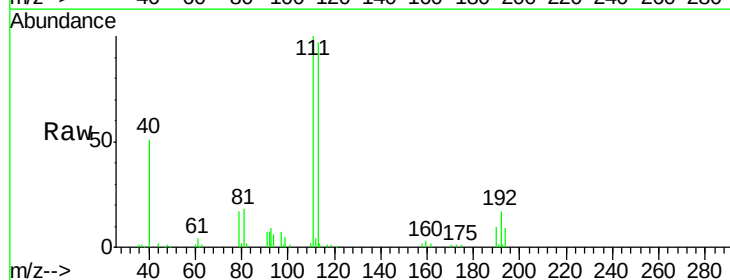
Tgt Ion: 97 Resp: 7982

Ion Ratio Lower Upper

97 100

99 0.0 51.5 77.3#

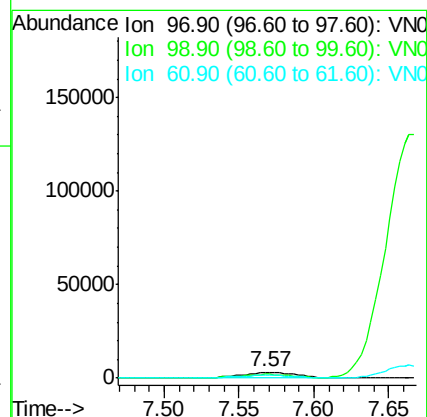
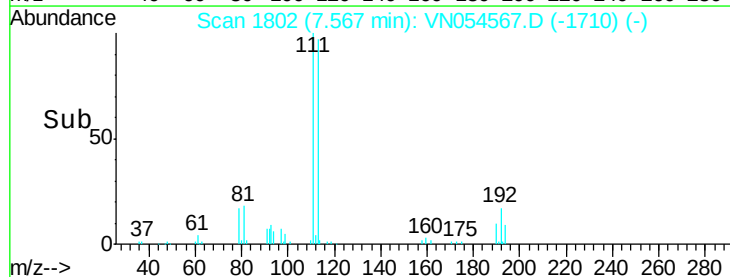
61 52.1 33.6 50.4#

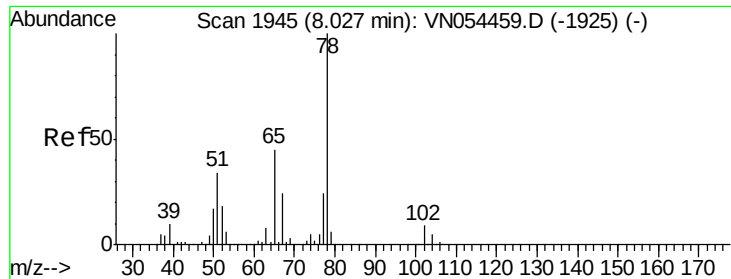


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

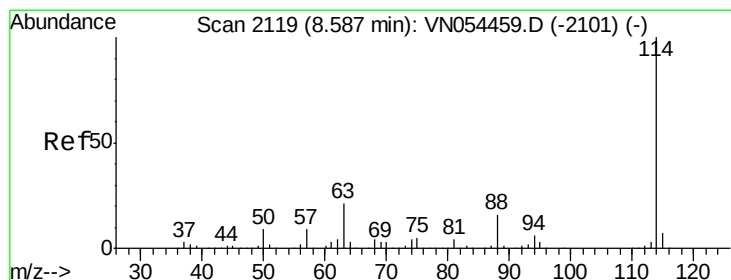
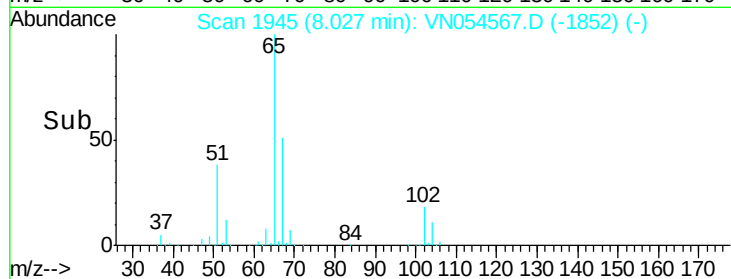
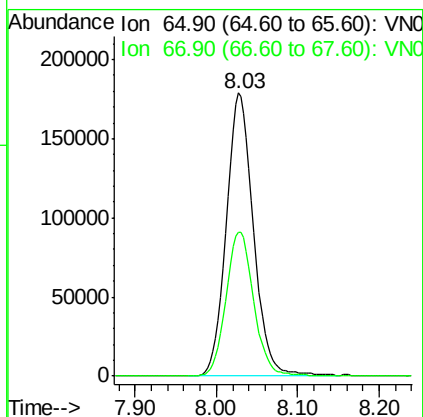
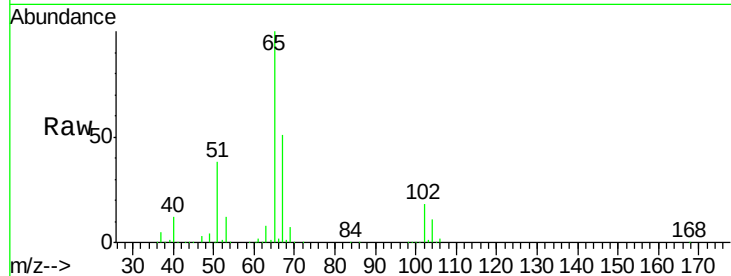




#33
 1,2-Dichloroethane-d4
 Concen: 56.646 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054567.D
 Acq: 22 Mar 2019 19:27

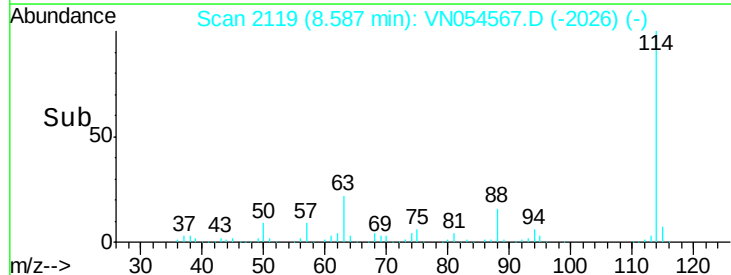
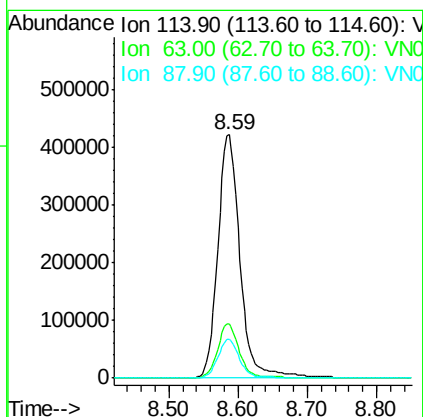
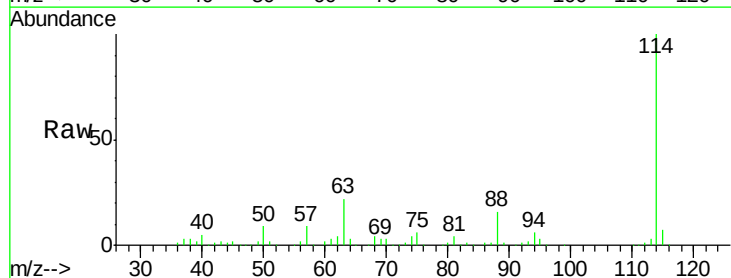
Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW30211-20190315

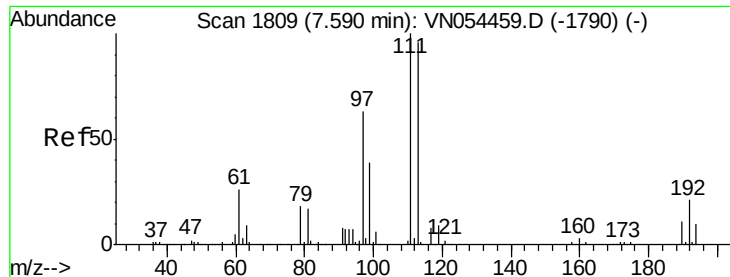
Tot Ion: 65 Resp: 418911
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054567.D
 Acq: 22 Mar 2019 19:27

Tgt Ion: 114 Resp: 941000
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 35.2
 88 16.1 0.0 30.2

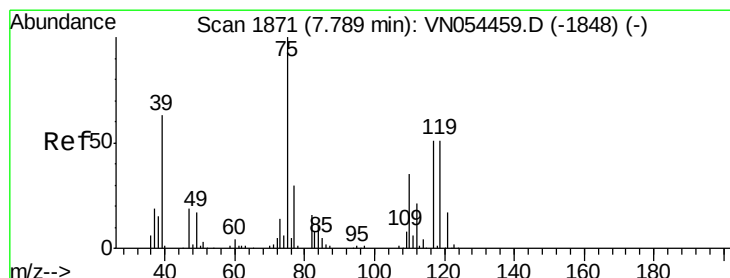
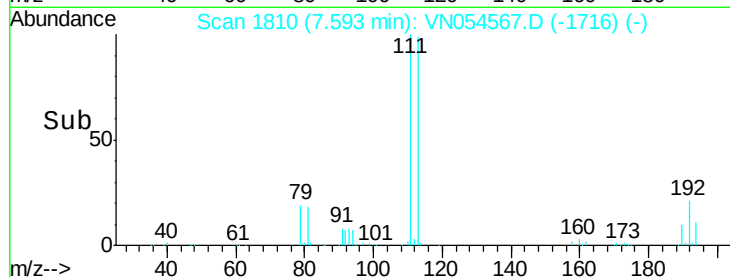
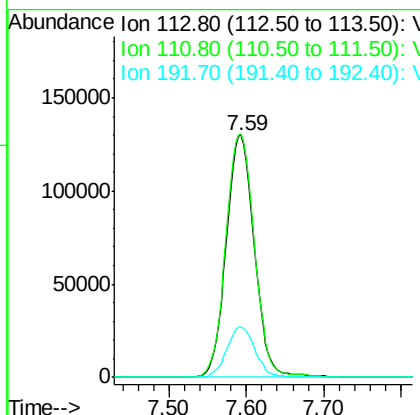
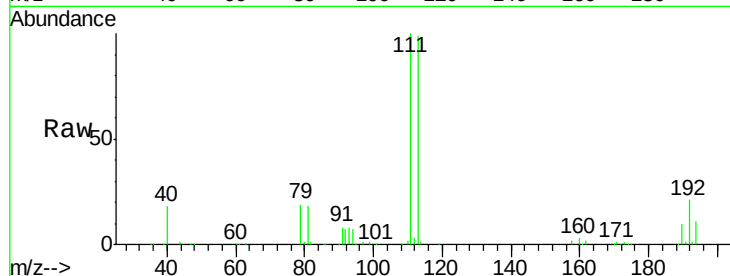




#35
 Dibromofluoromethane
 Concen: 53.802 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054567.D
 Acq: 22 Mar 2019 19:27

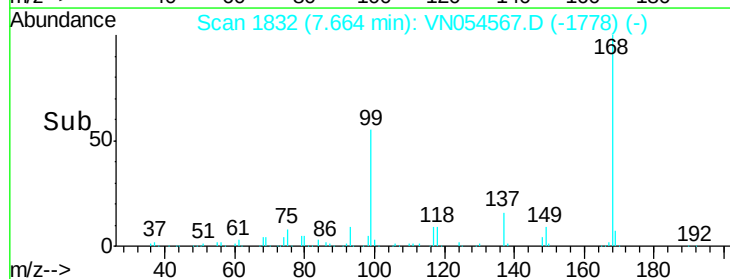
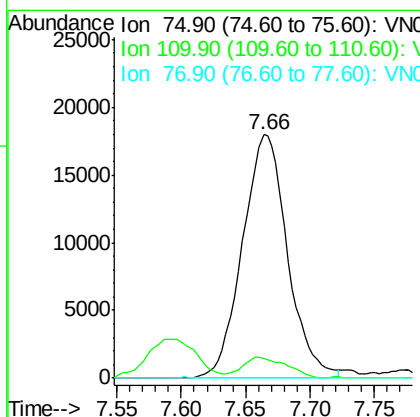
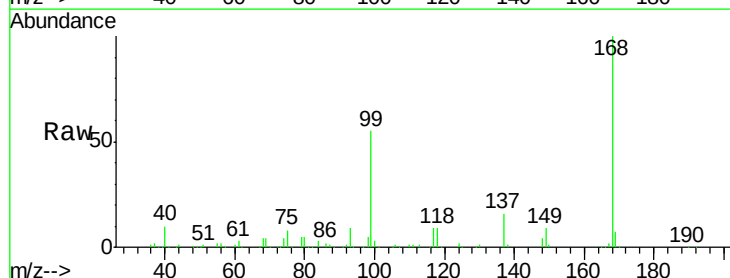
Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW30211-20190315

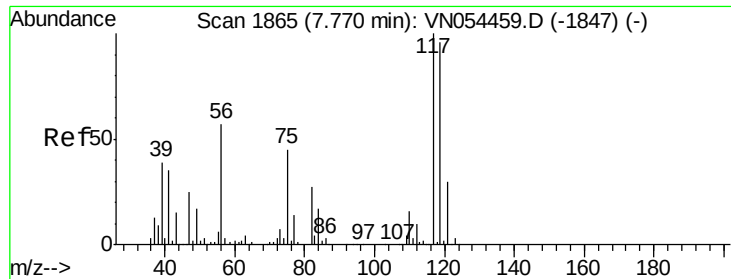
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.2	123.4
192	20.9	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 4.960 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054567.D
 Acq: 22 Mar 2019 19:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	19.1	57.5#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.605 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.10 min

Lab File: VN054567.D

Acq: 22 Mar 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW30211-20190315

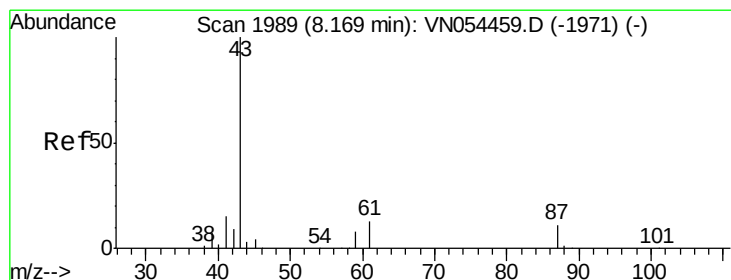
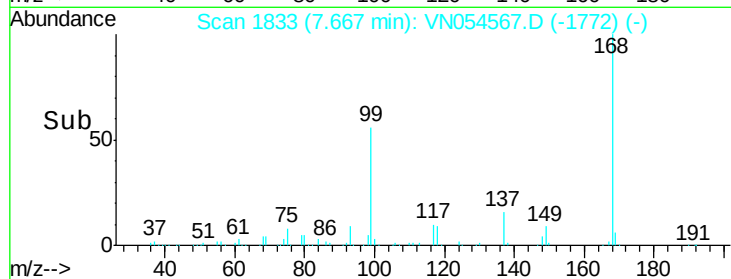
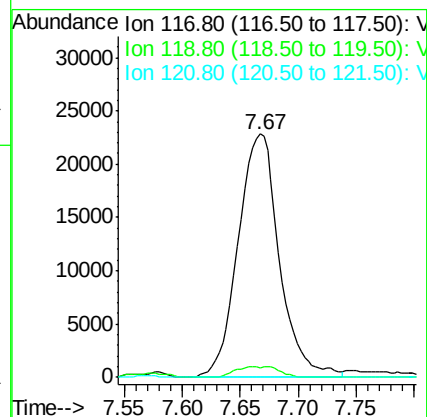
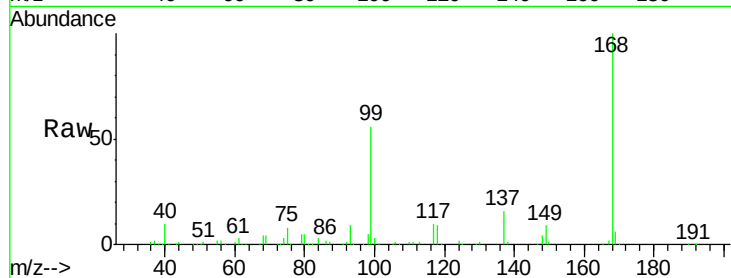
Tot Ion:117 Resp: 56472

Ion Ratio Lower Upper

117 100

119 4.0 76.3 114.5#

121 0.0 24.6 36.8#



#43

Isopropyl Acetate

Concen: 0.434 ug/l

RT: 8.26 min Scan# 2018

Delta R.T. 0.09 min

Lab File: VN054567.D

Acq: 22 Mar 2019 19:27

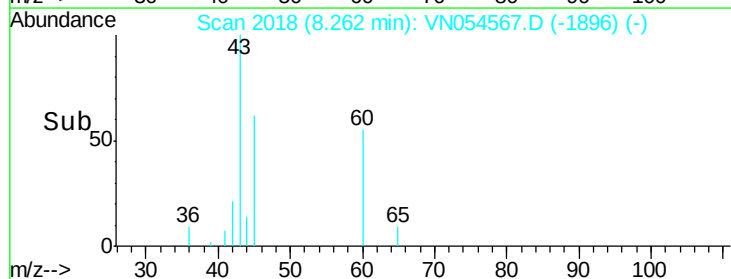
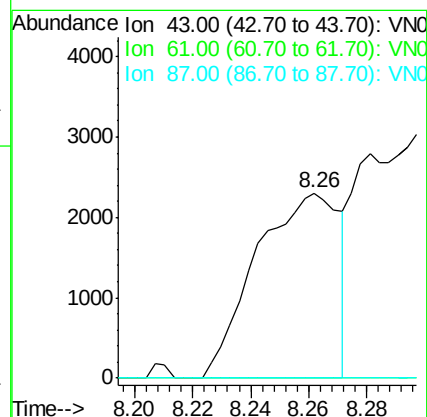
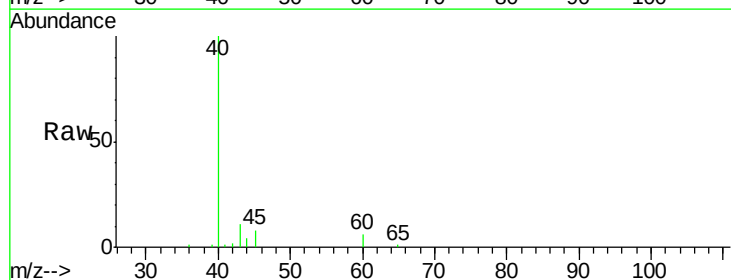
Tgt Ion: 43 Resp: 4590

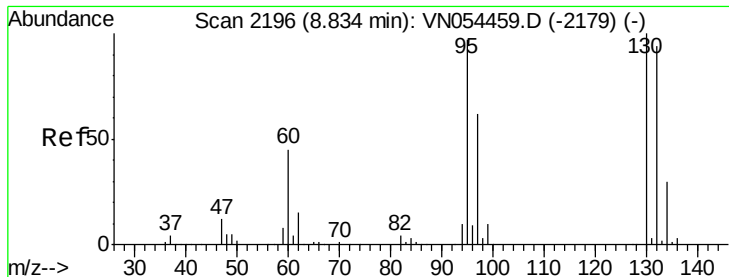
Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

87 0.0 12.0 18.0#





#44

Trichloroethene

Concen: 3.196 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054567.D

Acq: 22 Mar 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

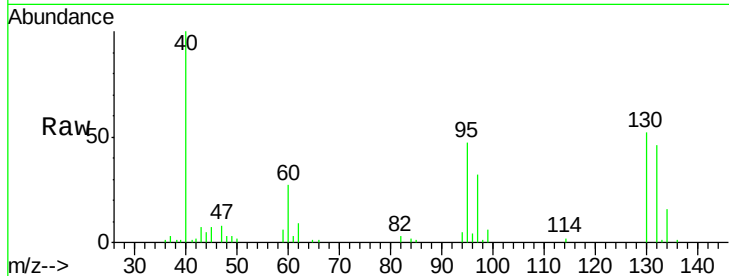
BPS1-TT-MW30211-20190315

Tot Ion:130 Resp: 22353

Ion Ratio Lower Upper

130 100

95 89.2 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

8.83

12000

10000

8000

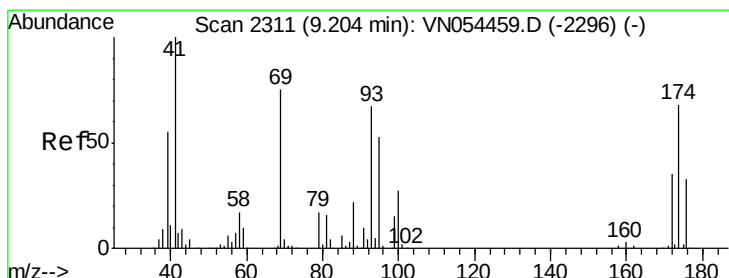
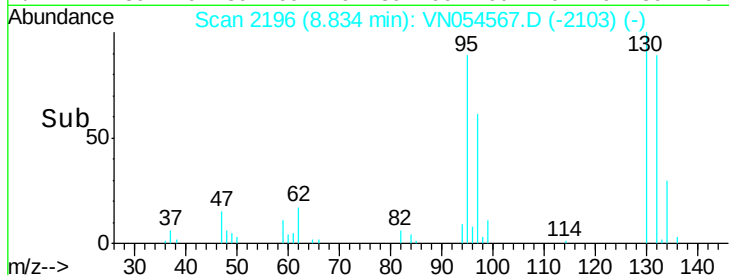
6000

4000

2000

0

Time-->



#49

1,4-Dioxane

Concen: 11.618 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.01 min

Lab File: VN054567.D

Acq: 22 Mar 2019 19:27

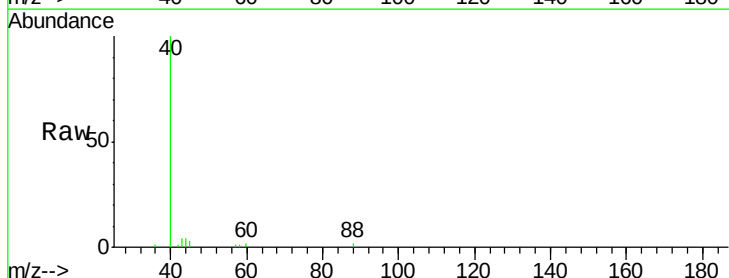
Tgt Ion: 88 Resp: 745

Ion Ratio Lower Upper

88 100

43 36.9 24.1 36.1#

58 79.9 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

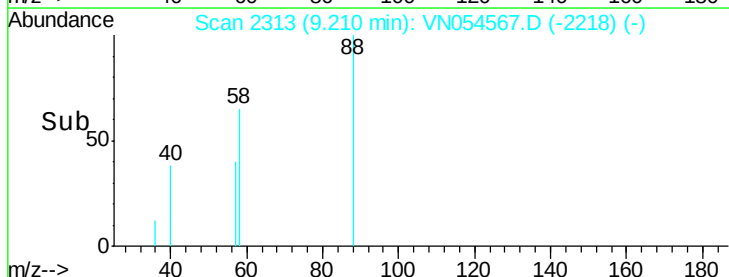
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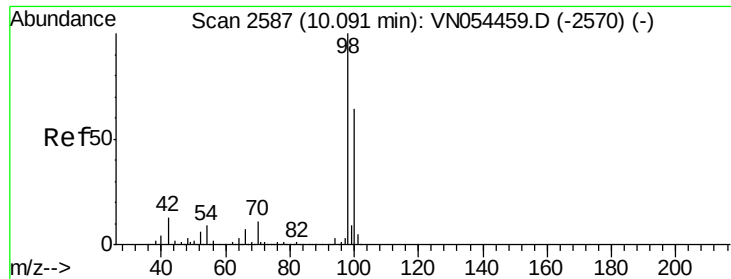
1000

500

0

Time-->





#50

Toluene-d8

Concen: 53.741 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054567.D

Acq: 22 Mar 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

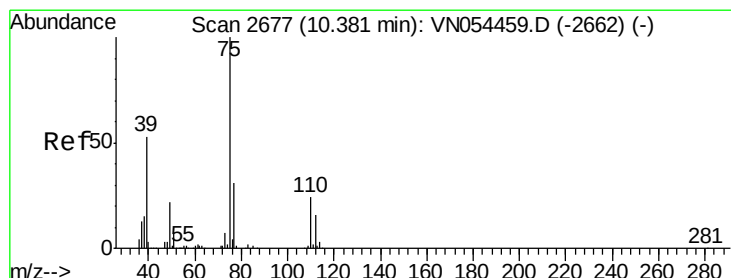
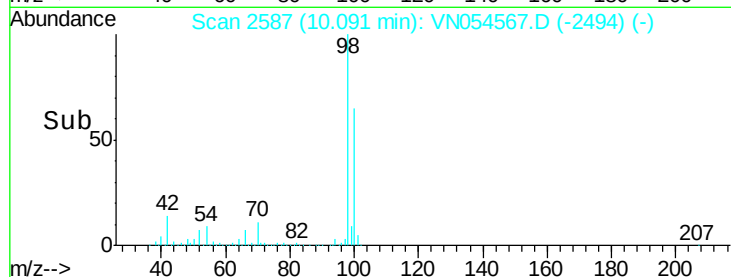
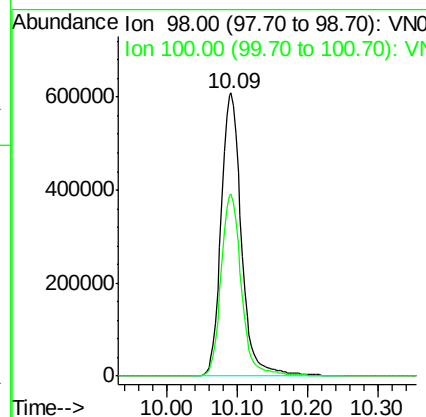
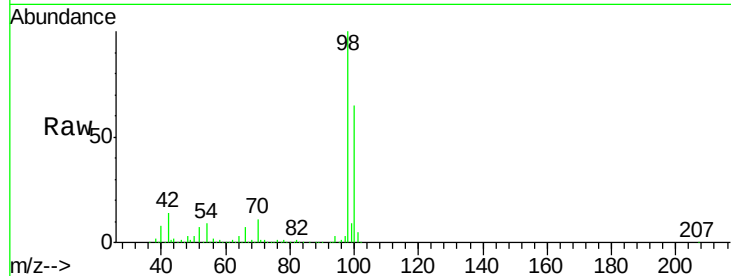
BPS1-TT-MW30211-20190315

Tot Ion: 98 Resp: 1224812

Ion Ratio Lower Upper

98 100

100 64.3 51.2 76.8



#53

t-1,3-Dichloropropene

Concen: 2.236 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.23 min

Lab File: VN054567.D

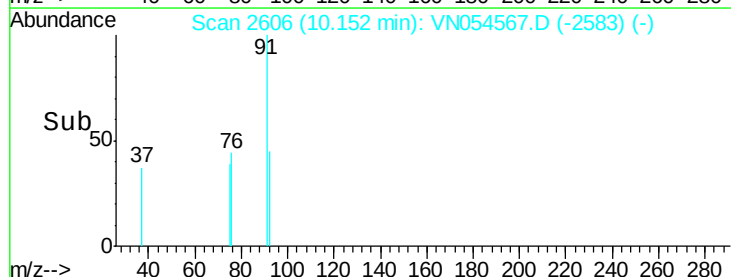
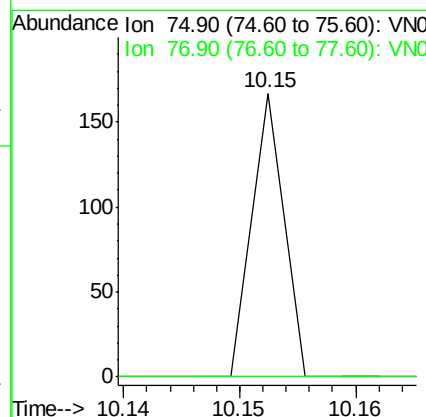
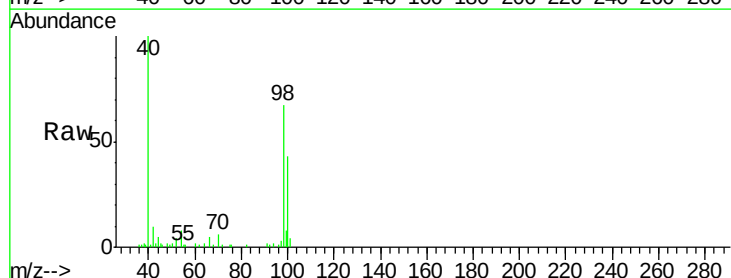
Acq: 22 Mar 2019 19:27

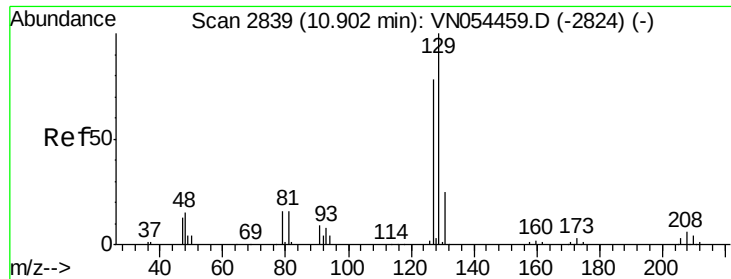
Tgt Ion: 75 Resp: 32

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#

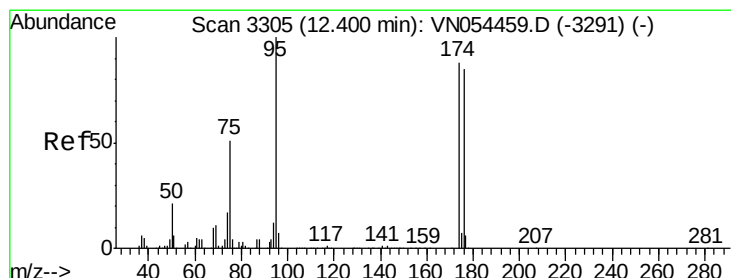
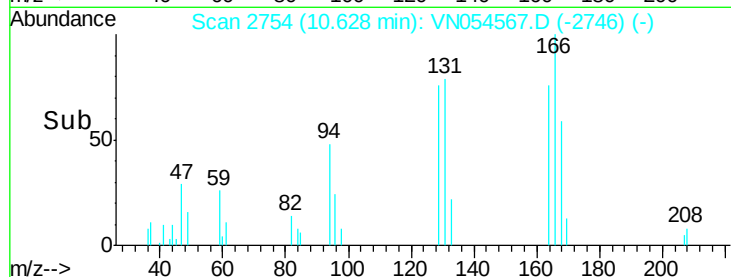
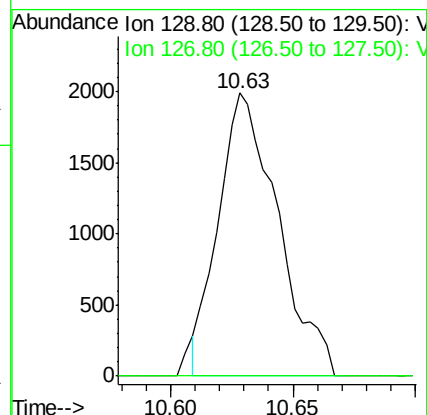
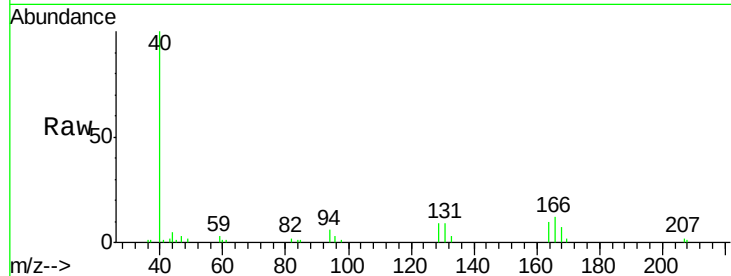




#60
 Dibromochloromethane
 Concen: 0.569 ug/l
 RT: 10.63 min Scan# 2754
 Delta R.T. -0.27 min
 Lab File: VN054567.D
 Acq: 22 Mar 2019 19:27

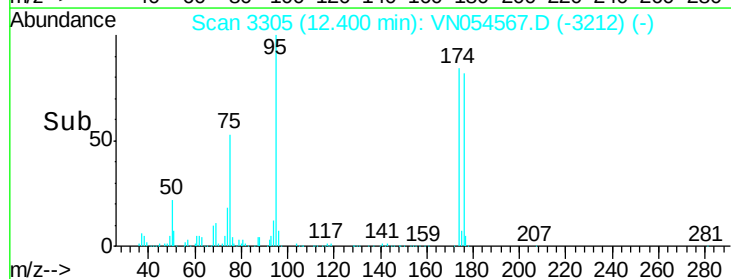
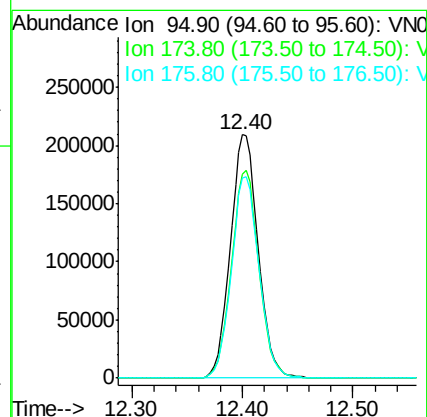
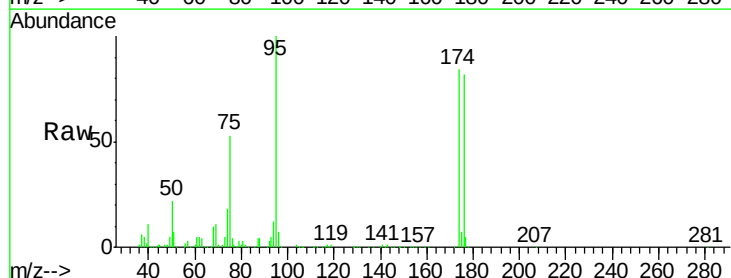
Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW30211-20190315

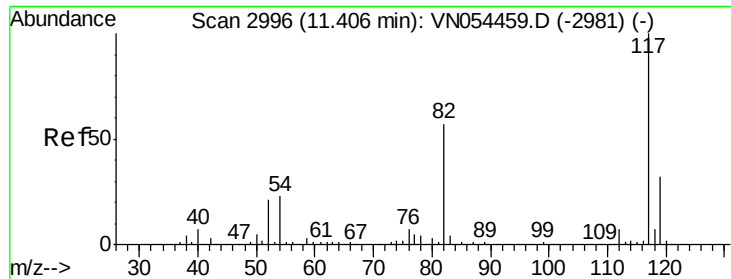
Tot Ion:129 Resp: 3370
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.6 115.8#



#62
 4-Bromofluorobenzene
 Concen: 47.063 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054567.D
 Acq: 22 Mar 2019 19:27

Tgt Ion: 95 Resp: 364993
 Ion Ratio Lower Upper
 95 100
 174 84.3 0.0 191.0
 176 82.7 0.0 187.4

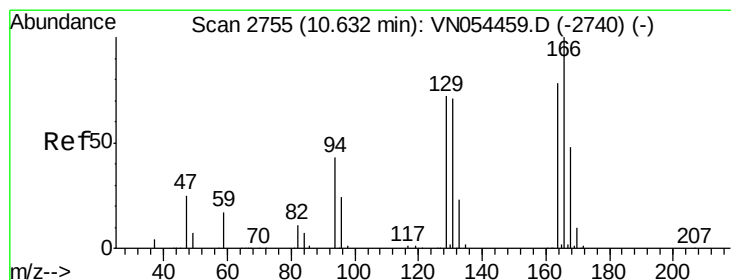
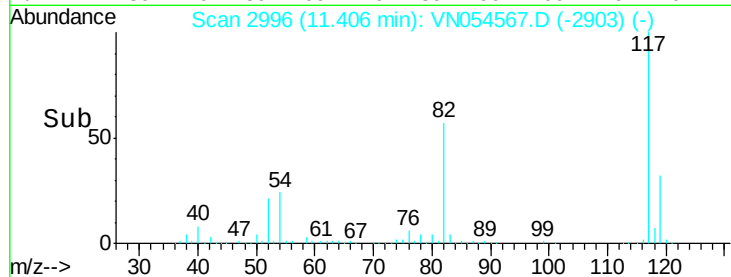
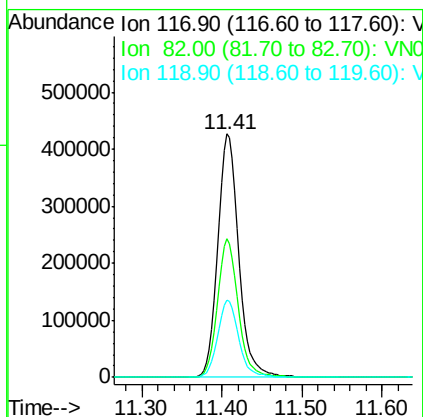
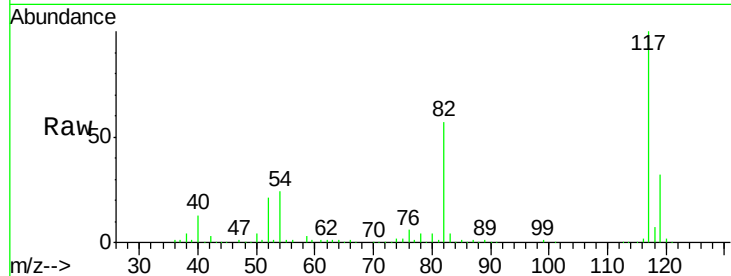




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054567.D
Acq: 22 Mar 2019 19:27

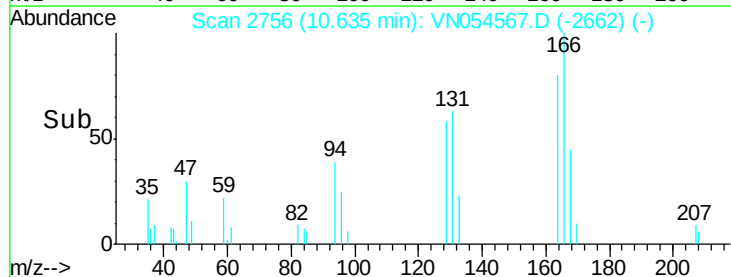
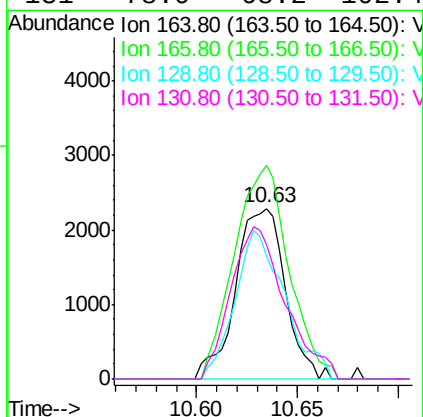
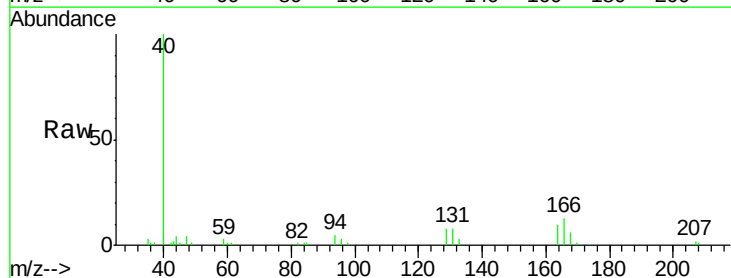
Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW30211-20190315

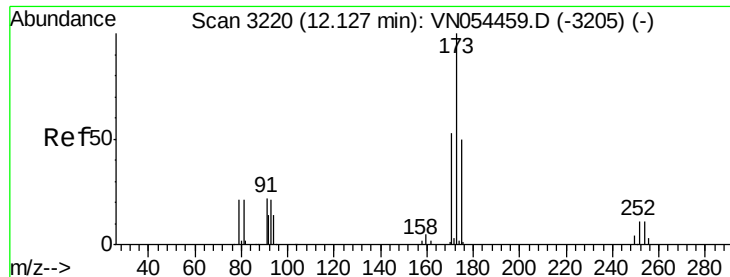
Tot Ion:117 Resp: 778910
Ion Ratio Lower Upper
117 100
82 56.7 40.0 60.0
119 31.9 25.8 38.6



#64
Tetrachloroethene
Concen: 0.609 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN054567.D
Acq: 22 Mar 2019 19:27

Tgt Ion:164 Resp: 3933
Ion Ratio Lower Upper
164 100
166 125.1 103.9 155.9
129 72.3 71.1 106.7
131 78.9 68.2 102.4





#71

Bromoform

Concen: 2.583 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN054567.D

Acq: 22 Mar 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW30211-20190315

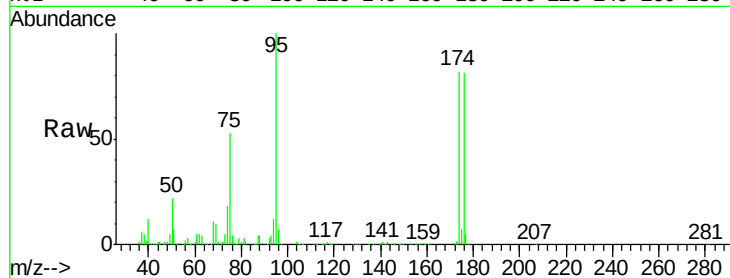
Tot Ion:173 Resp: 1487

Ion Ratio Lower Upper

173 100

175 1383.8 24.4 73.2#

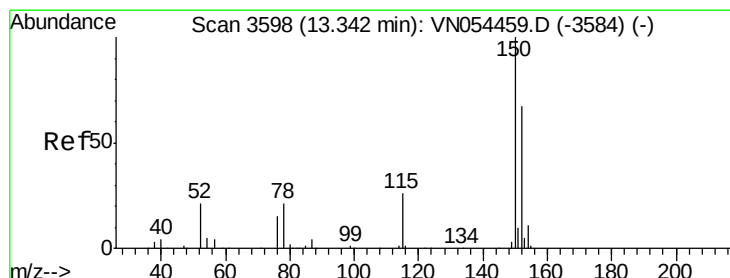
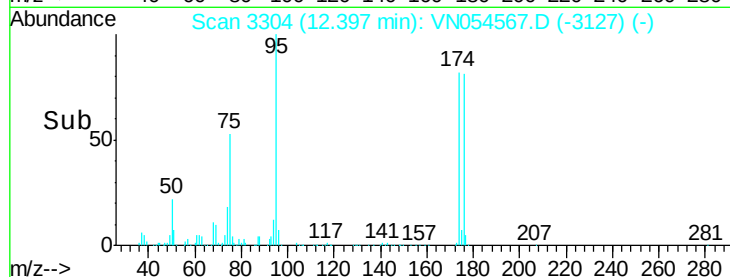
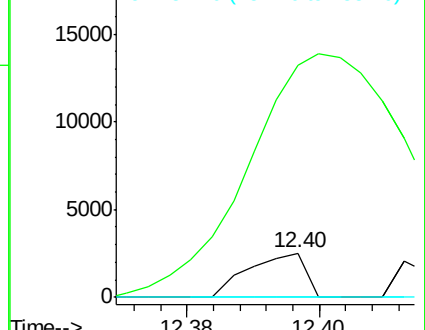
254 0.0 0.1 0.1#



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: VN054567.D

Acq: 22 Mar 2019 19:27

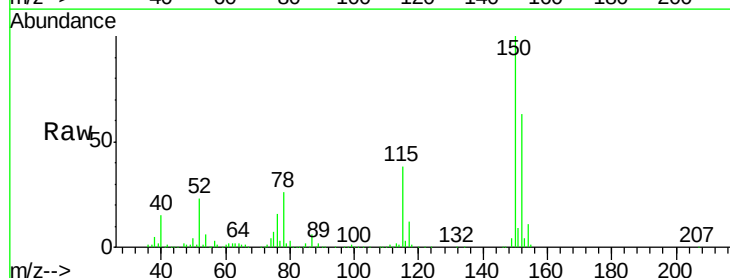
Tgt Ion:152 Resp: 266270

Ion Ratio Lower Upper

152 100

115 58.9 27.2 81.6

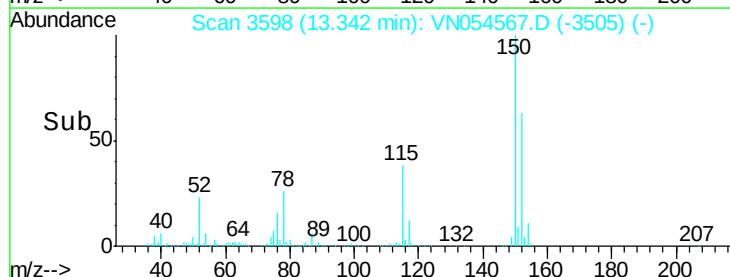
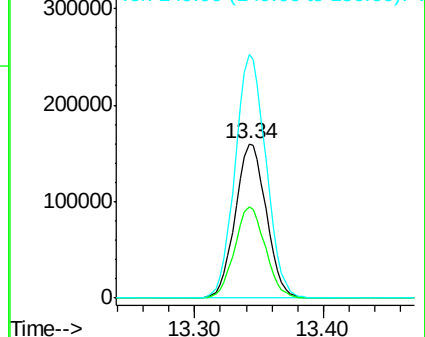
150 157.9 0.0 349.2

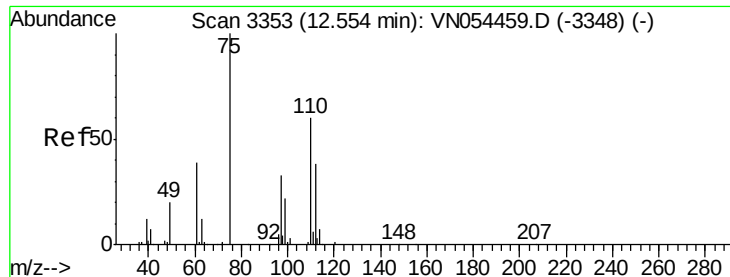


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 44.984 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054567.D

Acq: 22 Mar 2019 19:27

Instrument :

MSVOA_N

ClientSampleId :

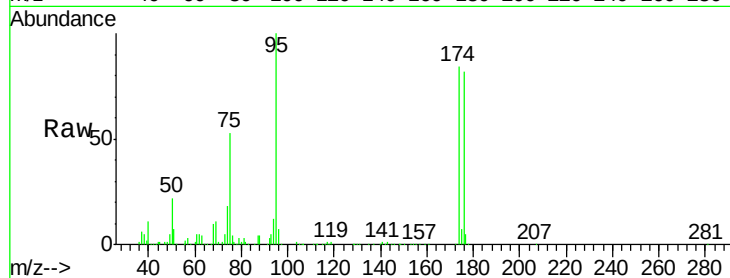
BPS1-TT-MW30211-20190315

Tot Ion: 75 Resp: 190070

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

120000

100000

80000

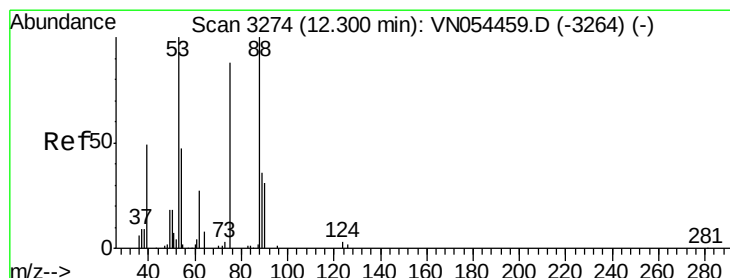
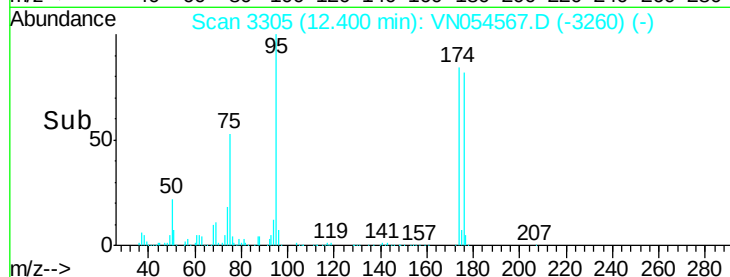
60000

40000

20000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 148.410 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054567.D

Acq: 22 Mar 2019 19:27

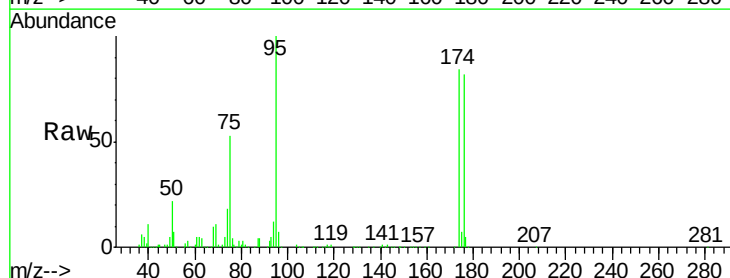
Tgt Ion: 75 Resp: 190070

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): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

150000

100000

50000

0

Time--> 12.30 12.40 12.50

