

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057031.D
 Acq On : 1 Aug 2019 12:52
 Operator : JC/SP
 Sample : K4097-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-EB-20190730

Quant Time: Aug 02 05:12:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	574290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	835503	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	677001	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	174318	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	323841	55.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.18%	
35) Dibromofluoromethane	7.58	113	298527	55.81	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.62%	
50) Toluene-d8	10.08	98	1108415	54.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.68%	
62) 4-Bromofluorobenzene	12.40	95	275982	41.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	83.12%	

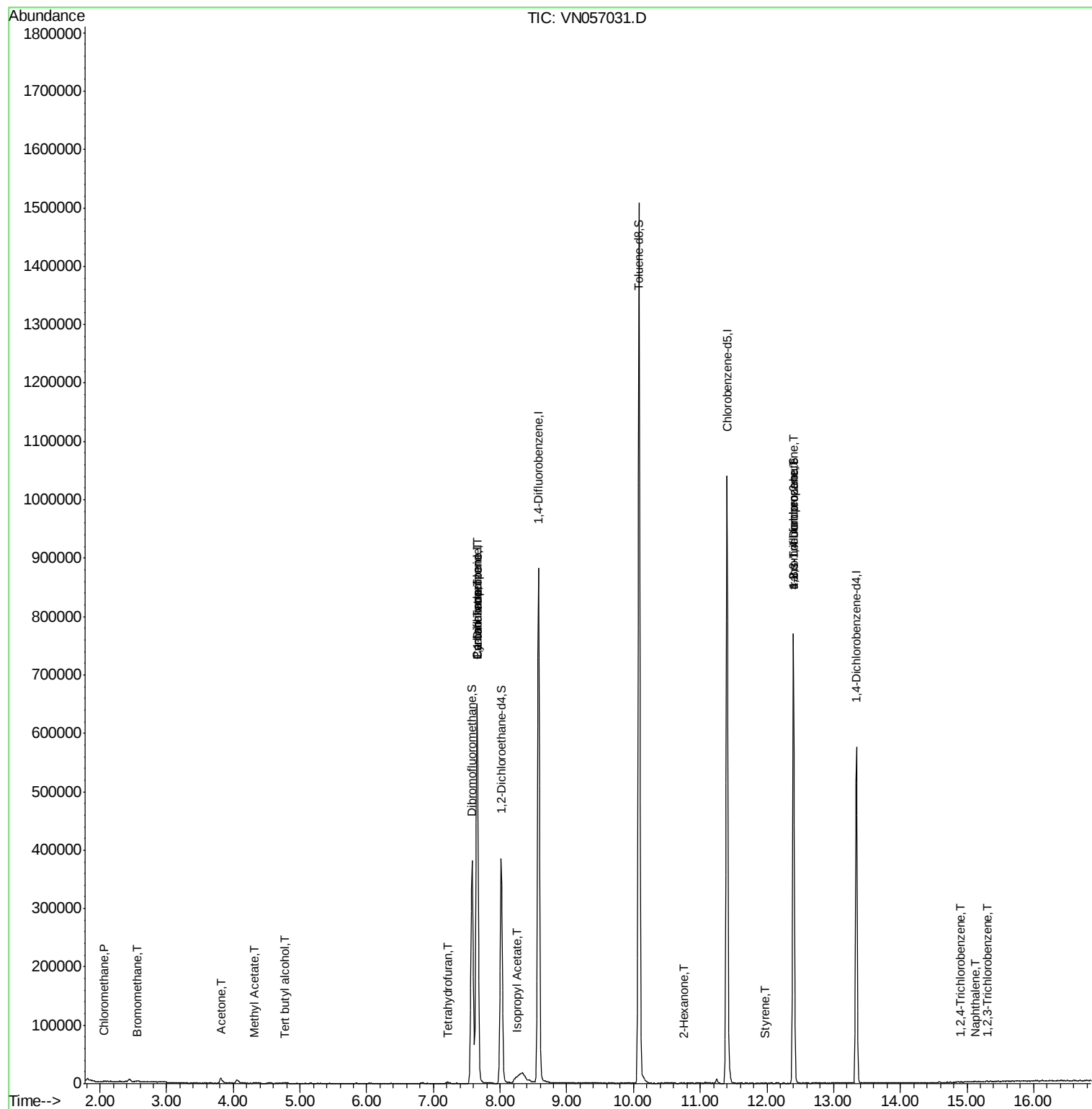
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	1700	0.245	ug/l	95
5) Bromomethane	2.55	94	872	0.215	ug/l	83
11) Tert butyl alcohol	4.78	59	1911	2.405	ug/l #	74
16) Acetone	3.81	43	14618	6.864	ug/l	99
18) Methyl Acetate	4.32	43	2615	0.385	ug/l #	74
29) Tetrahydrofuran	7.21	42	1413	0.717	ug/l #	61
31) Cyclohexane	7.65	56	8896	0.921	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	35898	4.883	ug/l #	48
38) Carbon Tetrachloride	7.65	117	50616	7.279	ug/l #	17
43) Isopropyl Acetate	8.24	43	9474	0.973	ug/l #	52
59) 2-Hexanone	10.75	43	203	2.545	ug/l #	23
70) Styrene	11.97	104	30	1.869	ug/l #	26
75) 1,1,1,2,2-Tetrachloroethane	12.40	83	30	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	127575	36.037	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	127575	115.786	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	613	2.902	ug/l #	79
95) Naphthalene	15.12	128	1026	3.716	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.30	180	678	2.262	ug/l #	73

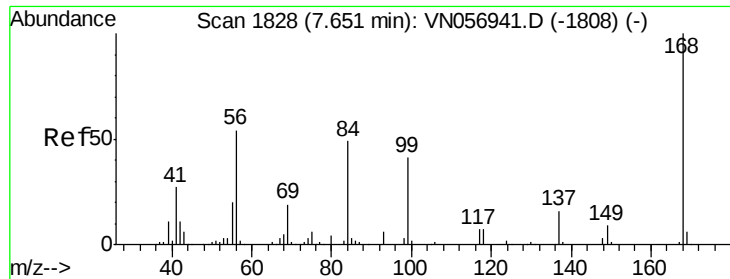
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 01:33:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057031.D

Acq: 1 Aug 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

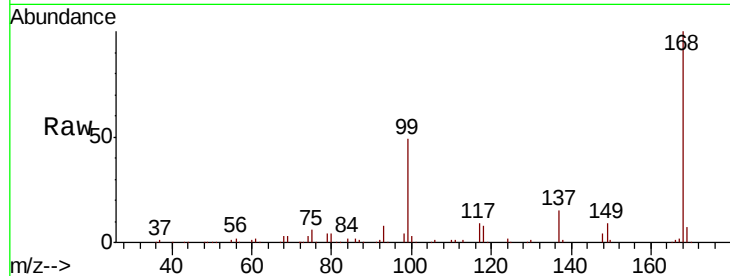
BP-VPB203-EB-20190730

Tot Ion:168 Resp: 574290

Ion Ratio Lower Upper

168 100

99 48.8 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VN056941.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN056941.D (-1808) (-)

7.65

250000

200000

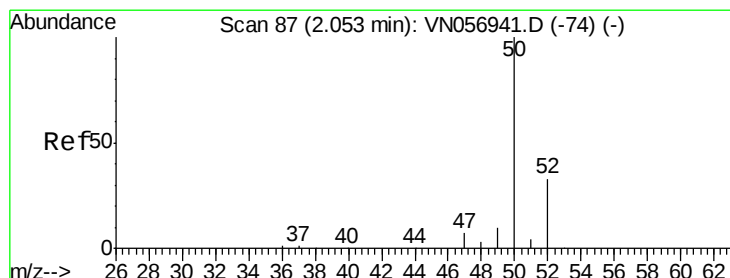
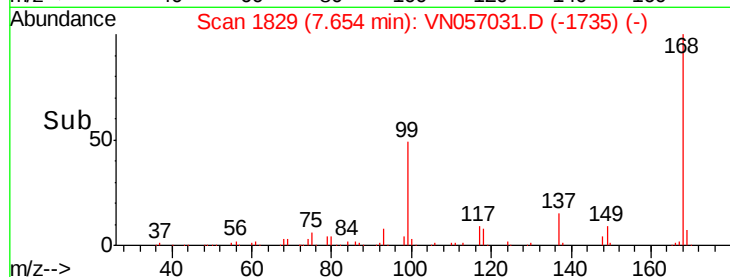
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.245 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057031.D

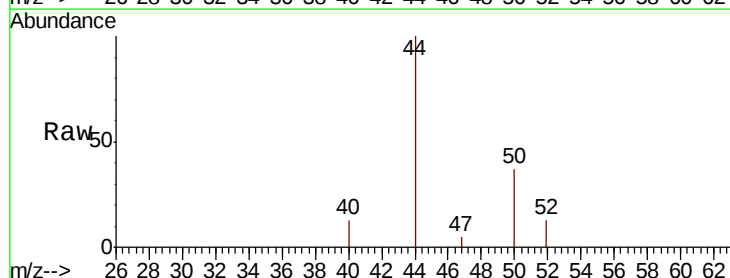
Acq: 1 Aug 2019 12:52

Tgt Ion: 50 Resp: 1700

Ion Ratio Lower Upper

50 100

52 35.4 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VN056941.D (-74) (-)

Ion 51.90 (51.60 to 52.60): VN056941.D (-74) (-)

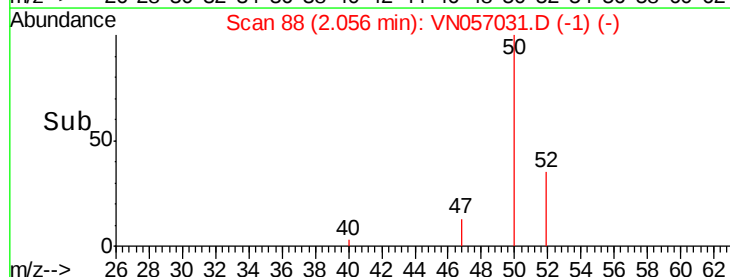
2.06

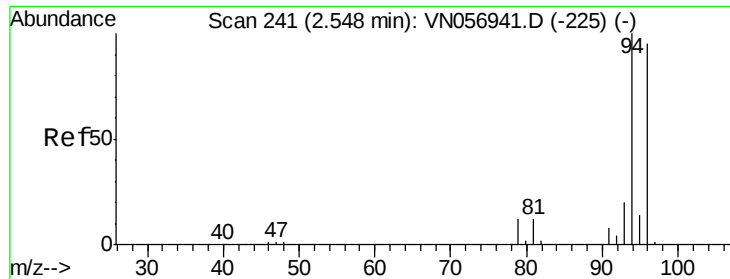
1000

500

0

Time-->

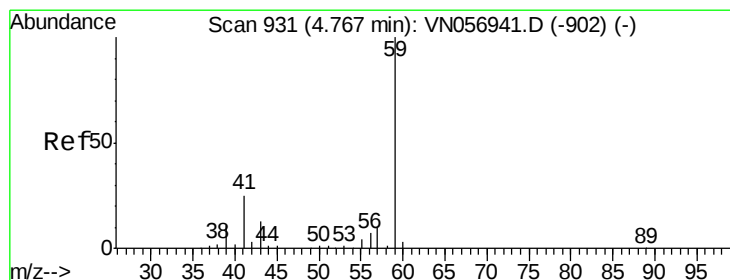
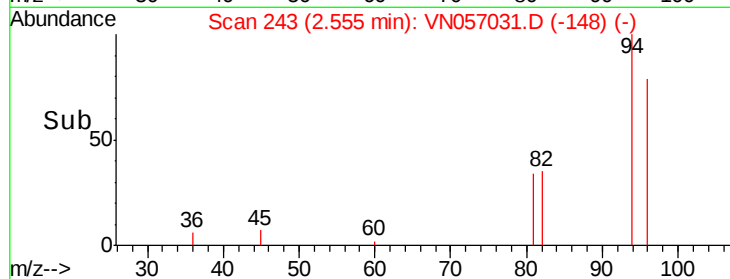
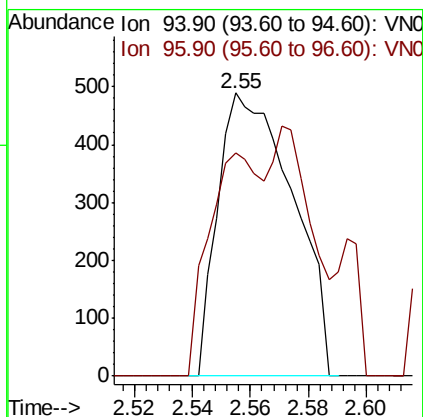
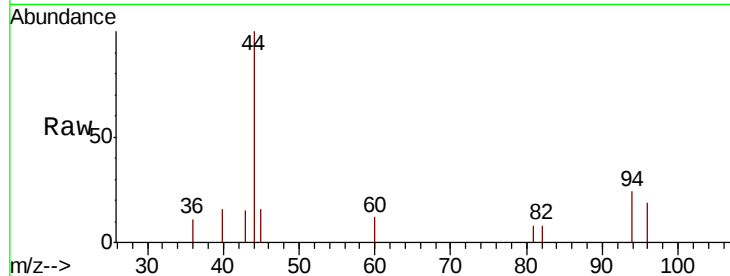




#5
Bromomethane
Concen: 0.215 ug/l
RT: 2.55 min Scan# 243
Delta R.T. 0.01 min
Lab File: VN057031.D
Acq: 1 Aug 2019 12:52

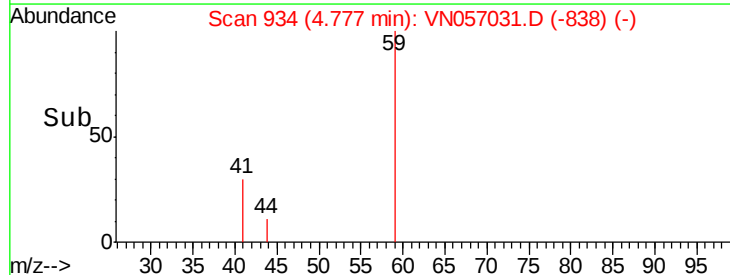
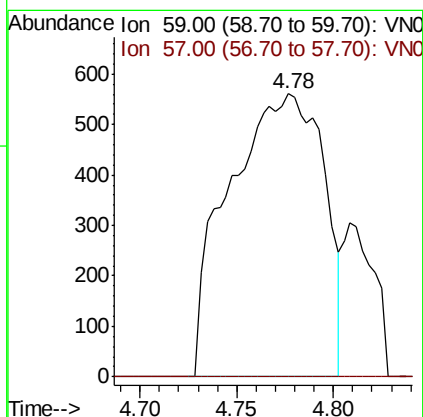
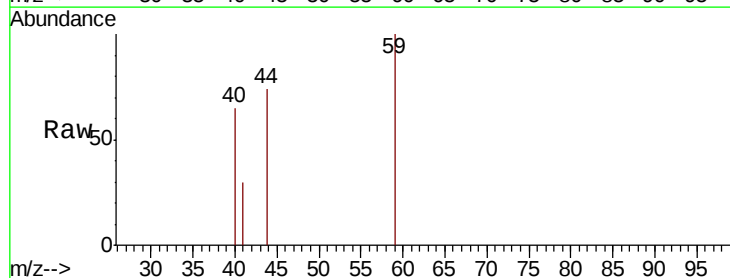
Instrument :
MSVOA_N
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BP-VPB203-EB-20190730

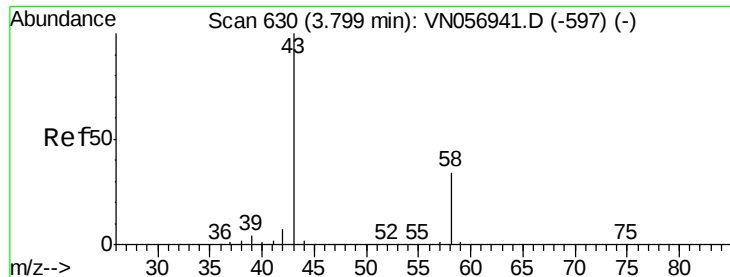
Tot Ion: 94 Resp: 872
Ion Ratio Lower Upper
94 100
96 78.7 76.2 114.2



#11
Tert butyl alcohol
Concen: 2.405 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.01 min
Lab File: VN057031.D
Acq: 1 Aug 2019 12:52

Tgt Ion: 59 Resp: 1911
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#





#16

Acetone

Concen: 6.864 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN057031.D

Acq: 1 Aug 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

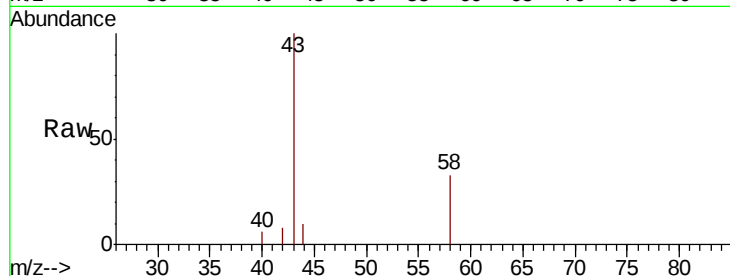
BP-VPB203-EB-20190730

Tot Ion: 43 Resp: 14618

Ion Ratio Lower Upper

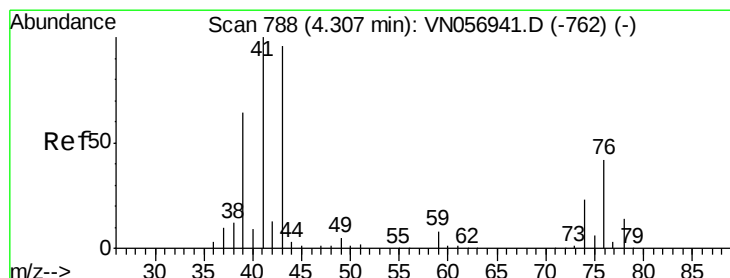
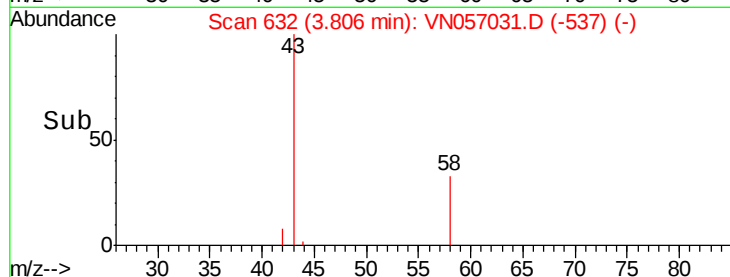
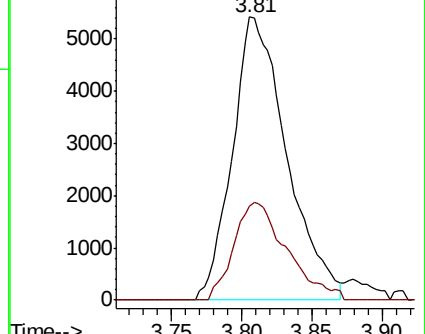
43 100

58 33.2 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN056941.D (-597) (-)



#18

Methyl Acetate

Concen: 0.385 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN057031.D

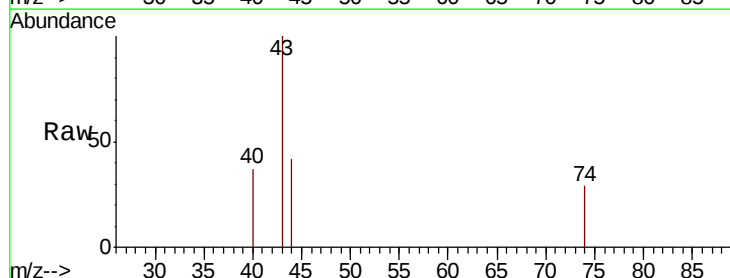
Acq: 1 Aug 2019 12:52

Tgt Ion: 43 Resp: 2615

Ion Ratio Lower Upper

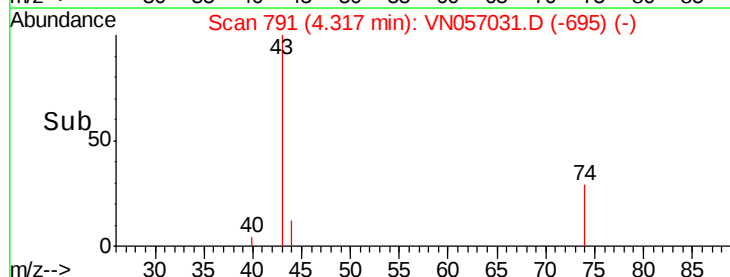
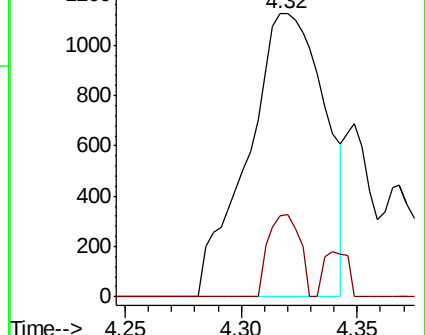
43 100

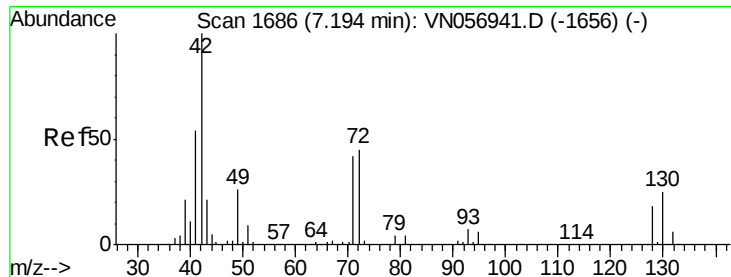
74 11.8 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-762) (-)

Ion 74.00 (73.70 to 74.70): VN056941.D (-762) (-)

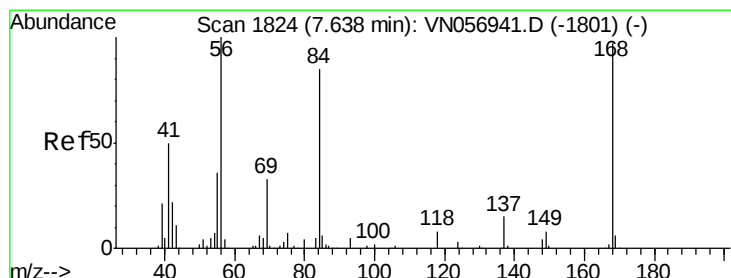
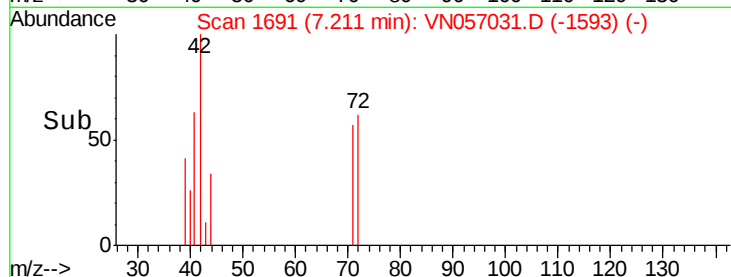
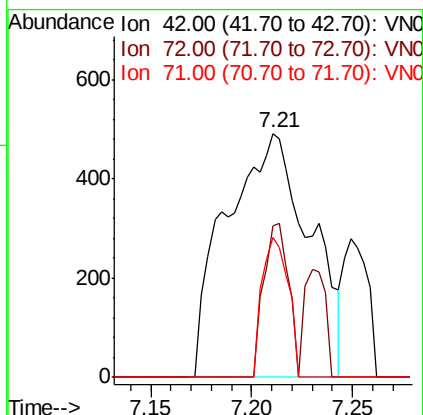
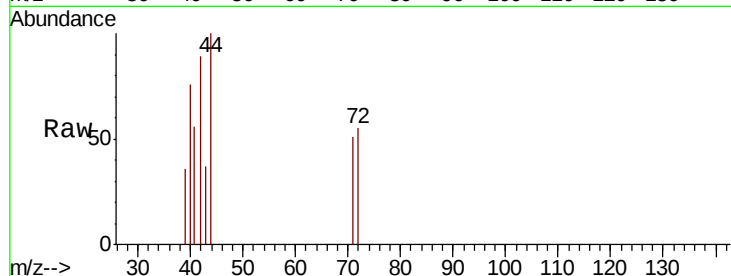




#29
Tetrahydrofuran
Concen: 0.717 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.02 min
Lab File: VN057031.D
Acq: 1 Aug 2019 12:52

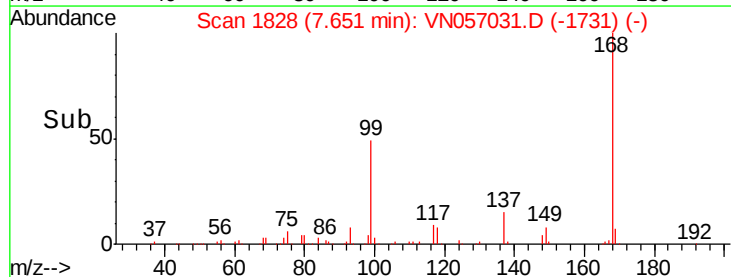
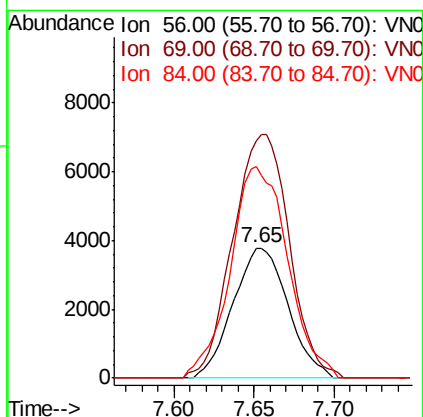
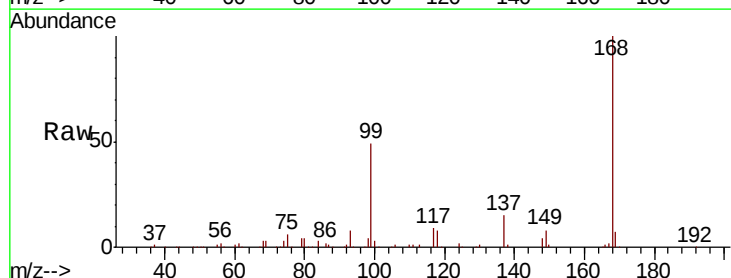
Instrument :
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ClientSampleId :
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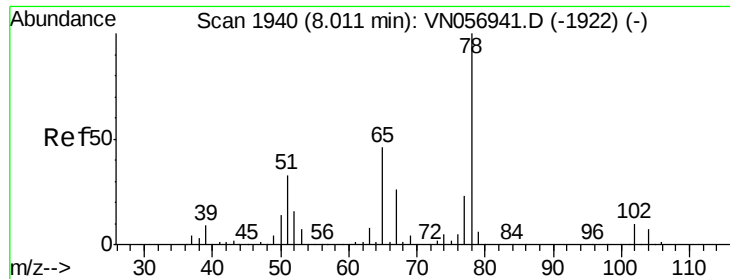
Tot Ion: 42 Resp: 1413
Ion Ratio Lower Upper
42 100
72 18.8 35.6 53.4#
71 18.1 33.5 50.3#



#31
Cyclohexane
Concen: 0.921 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN057031.D
Acq: 1 Aug 2019 12:52

Tgt Ion: 56 Resp: 8896
Ion Ratio Lower Upper
56 100
69 177.7 26.2 39.2#
84 162.3 68.2 102.2#

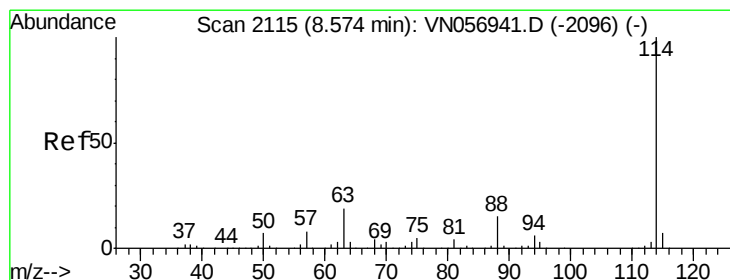
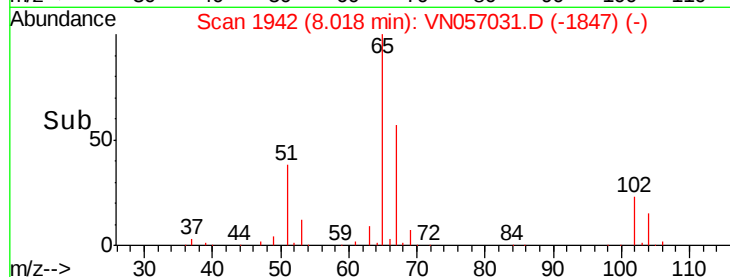
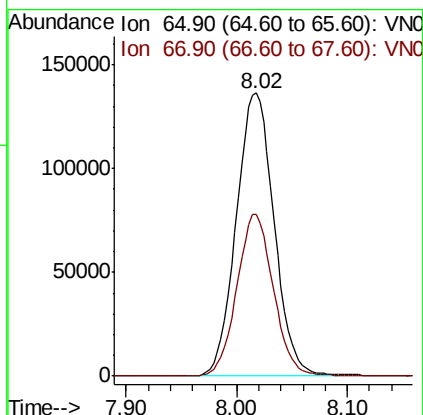
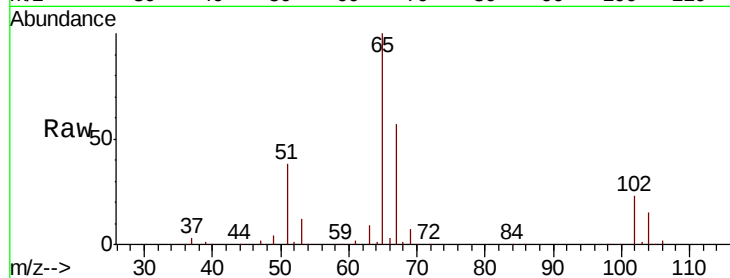




#33
 1,2-Dichloroethane-d4
 Concen: 55.087 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.01 min
 Lab File: VN057031.D
 Acq: 1 Aug 2019 12:52

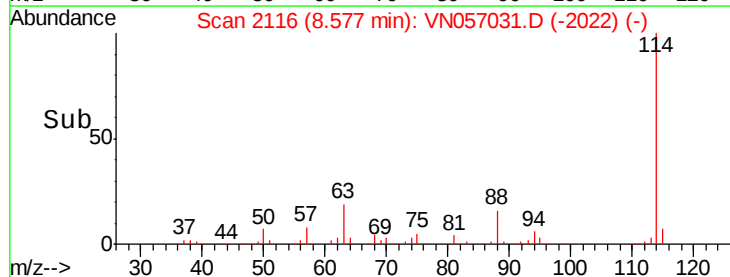
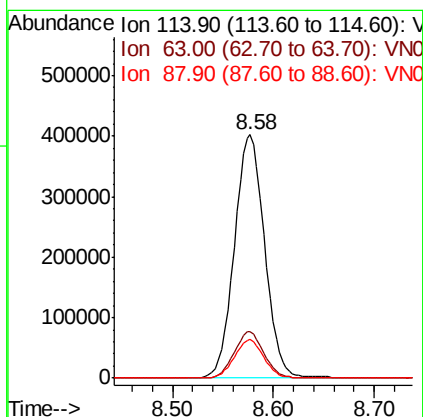
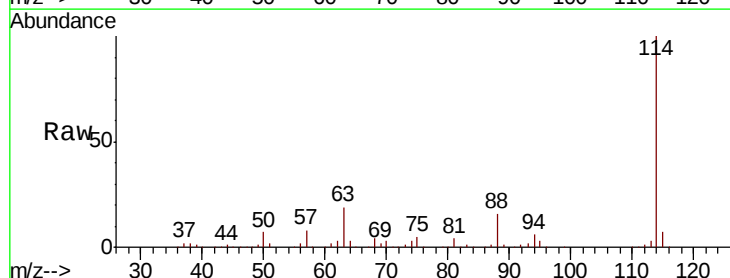
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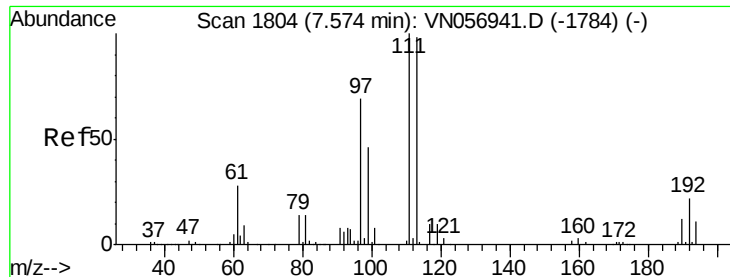
Tot Ion: 65 Resp: 323841
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057031.D
 Acq: 1 Aug 2019 12:52

Tgt Ion: 114 Resp: 835503
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.0
 88 15.8 0.0 30.0

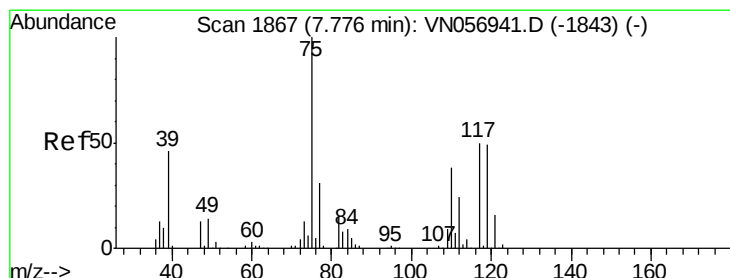
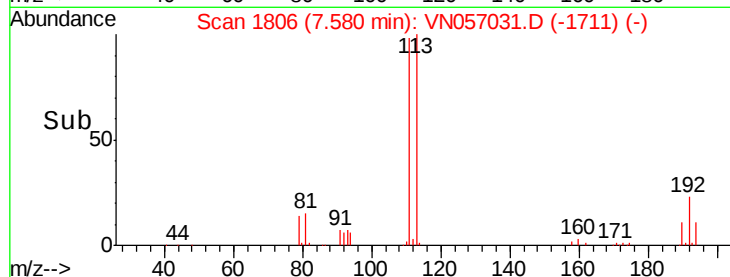
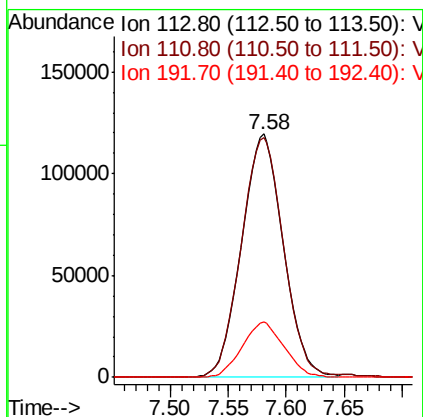
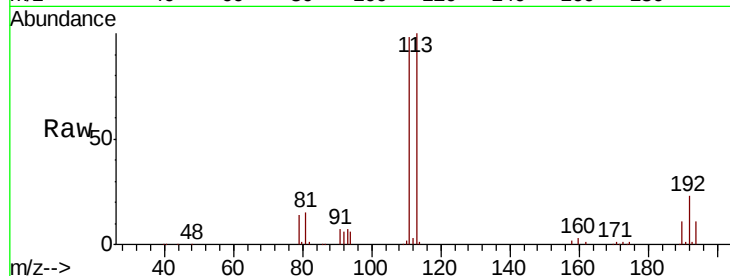




#35
Dibromofluoromethane
Concen: 55.814 ug/l
RT: 7.58 min Scan# 1806
Delta R.T. 0.01 min
Lab File: VN057031.D
Acq: 1 Aug 2019 12:52

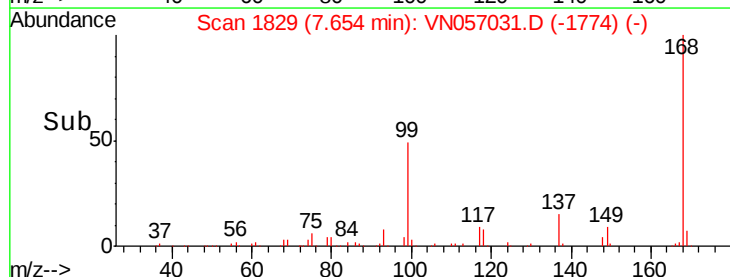
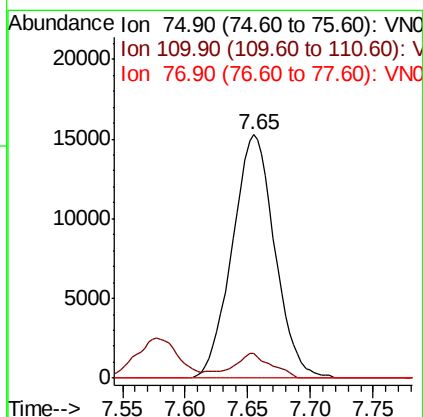
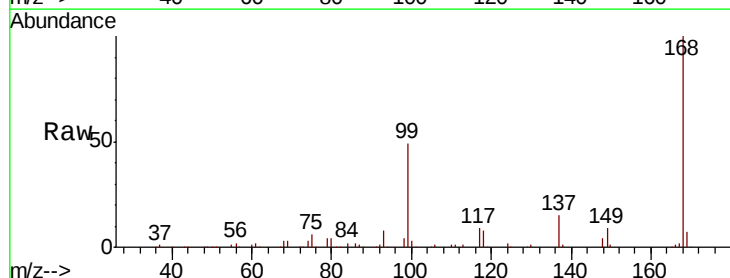
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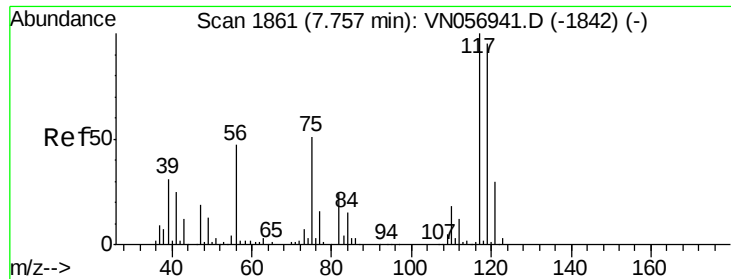
Tot Ion:113 Resp: 298527
Ion Ratio Lower Upper
113 100
111 101.0 82.0 123.0
192 22.8 18.4 27.6



#36
1,1-Dichloropropene
Concen: 4.883 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.12 min
Lab File: VN057031.D
Acq: 1 Aug 2019 12:52

Tgt Ion: 75 Resp: 35898
Ion Ratio Lower Upper
75 100
110 8.3 18.6 55.8#
77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 7.279 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.10 min

Lab File: VN057031.D

Acq: 1 Aug 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-EB-20190730

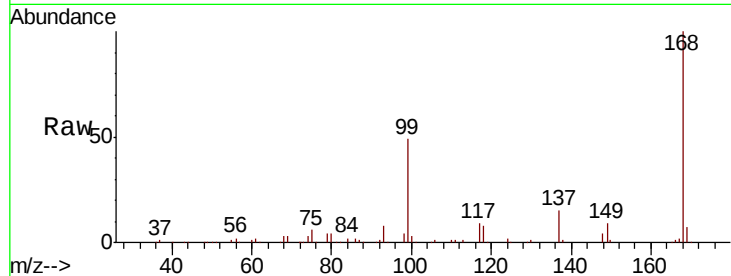
Tot Ion:117 Resp: 50616

Ion Ratio Lower Upper

117 100

119 4.9 75.3 112.9#

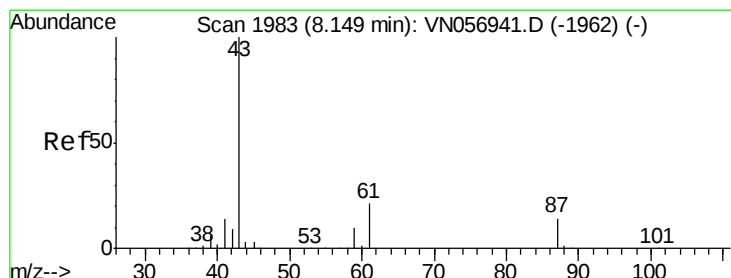
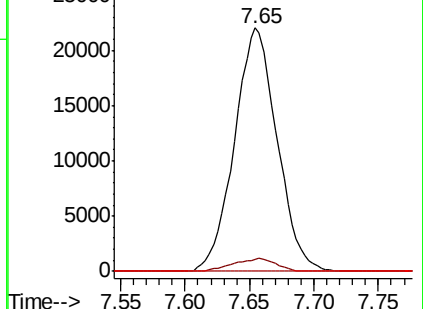
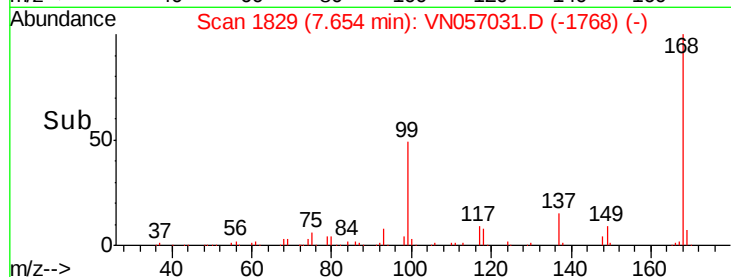
121 0.0 24.2 36.4#



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: 0.973 ug/l

RT: 8.24 min Scan# 2011

Delta R.T. 0.09 min

Lab File: VN057031.D

Acq: 1 Aug 2019 12:52

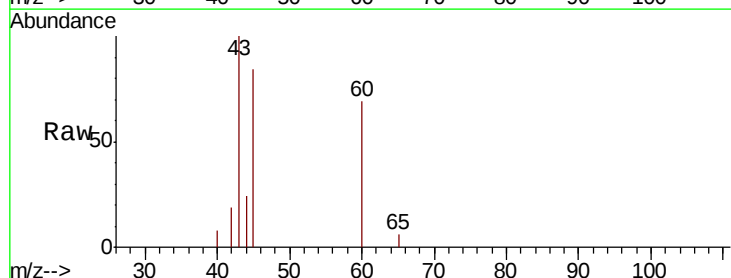
Tgt Ion: 43 Resp: 9474

Ion Ratio Lower Upper

43 100

61 0.0 23.0 34.6#

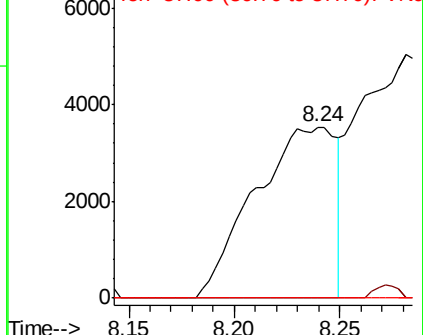
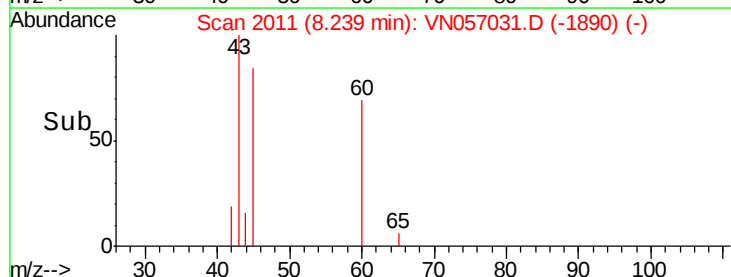
87 0.0 11.7 17.5#

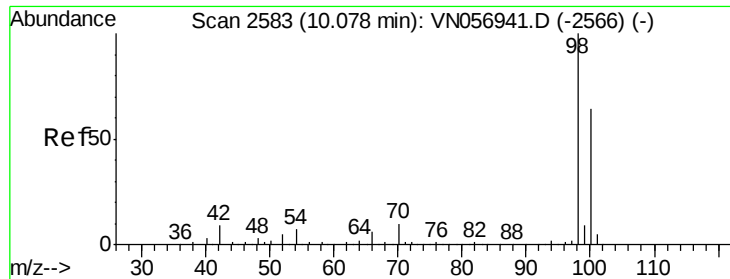


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 54.343 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN057031.D

Acq: 1 Aug 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

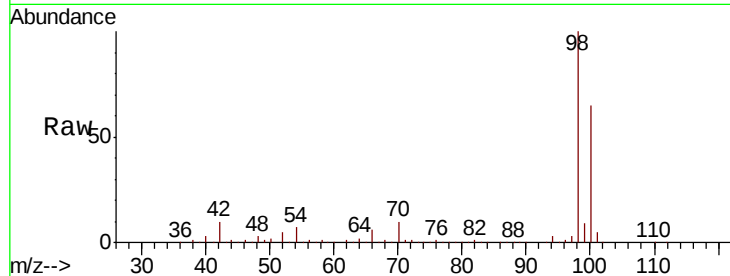
BP-VPB203-EB-20190730

Tot Ion: 98 Resp: 1108415

Ion Ratio Lower Upper

98 100

100 64.0 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN056941.D (-2566) (-)

Ion 100.00 (99.70 to 100.70): VN056941.D (-2566) (-)

10.08

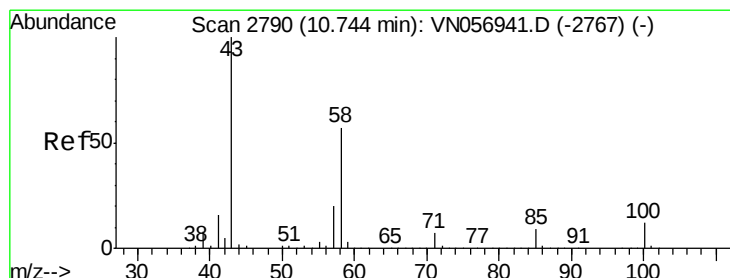
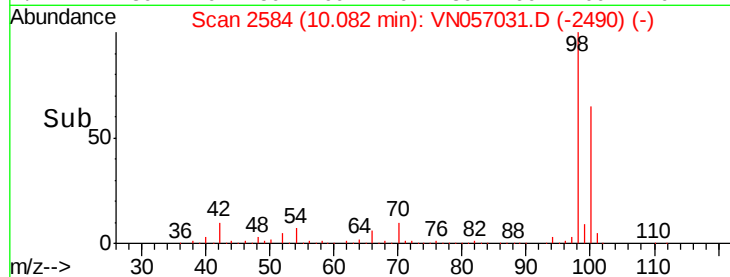
600000

400000

200000

0

Time-->



#59

2-Hexanone

Concen: 2.545 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN057031.D

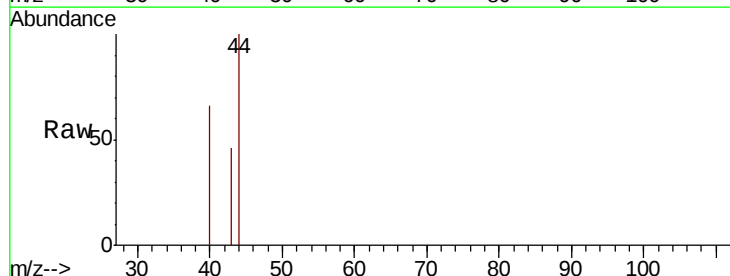
Acq: 1 Aug 2019 12:52

Tgt Ion: 43 Resp: 203

Ion Ratio Lower Upper

43 100

58 0.0 28.5 85.5#



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-2767) (-)

Ion 58.00 (57.70 to 58.70): VN056941.D (-2767) (-)

10.75

300

250

200

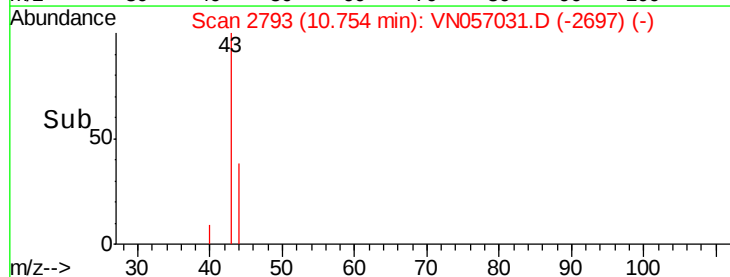
150

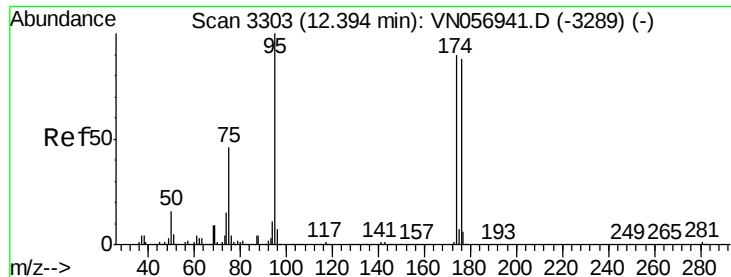
100

50

0

Time-->

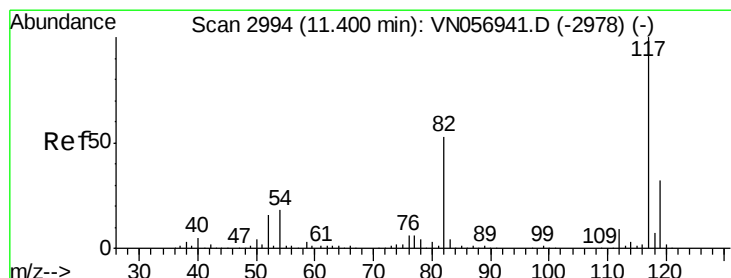
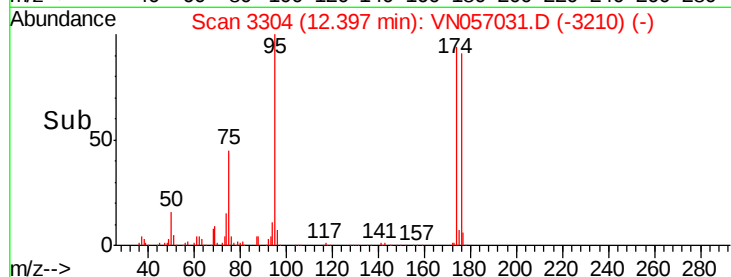
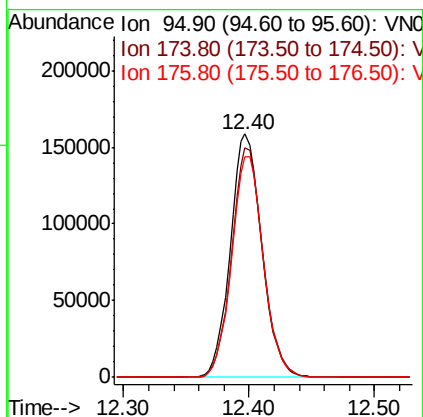
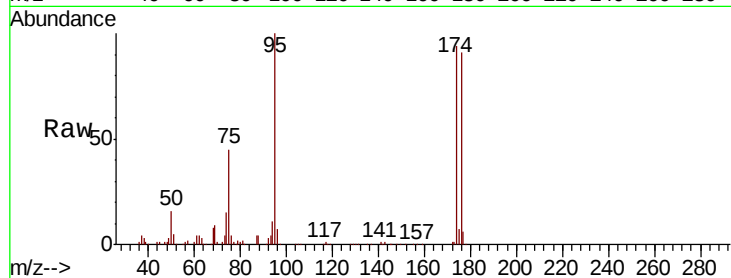




#62
4-Bromofluorobenzene
Concen: 41.563 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN057031.D
Acq: 1 Aug 2019 12:52

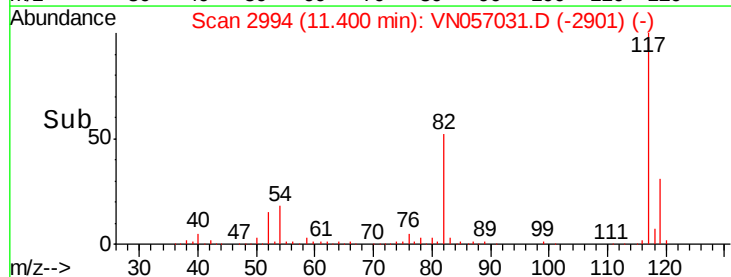
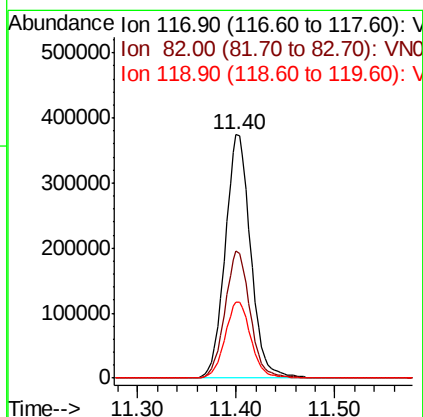
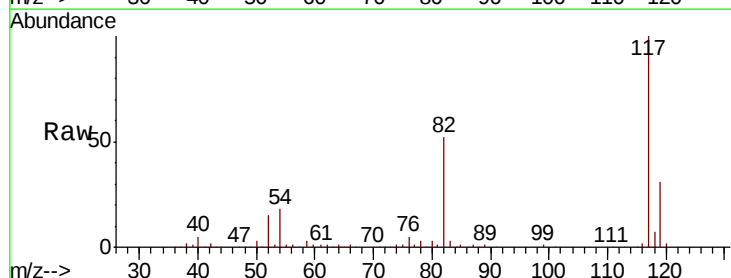
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-EB-20190730

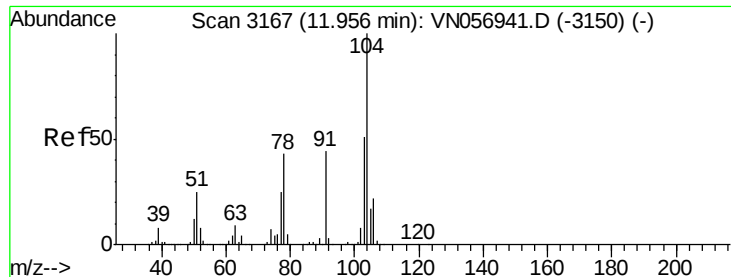
Tot Ion: 95 Resp: 275982
Ion Ratio Lower Upper
95 100
174 93.8 0.0 182.2
176 91.6 0.0 179.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN057031.D
Acq: 1 Aug 2019 12:52

Tgt Ion: 117 Resp: 677001
Ion Ratio Lower Upper
117 100
82 52.0 42.2 63.4
119 31.4 25.8 38.6





#70

Stvrene

Concen: 1.869 ug/l

RT: 11.97 min Scan# 3171

Delta R.T. 0.01 min

Lab File: VN057031.D

Acq: 1 Aug 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-EB-20190730

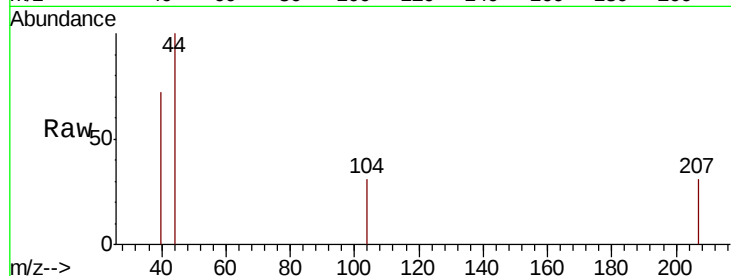
Tot Ion:104 Resp: 30

Ion Ratio Lower Upper

104 100

78 0.0 38.1 57.1#

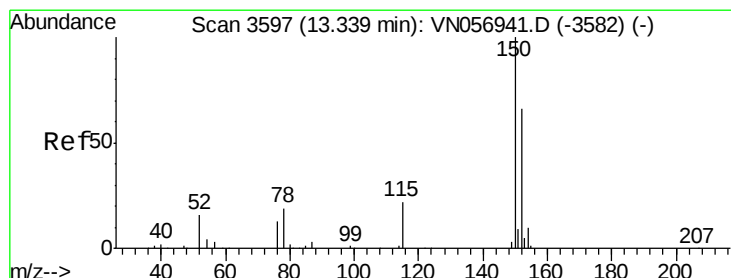
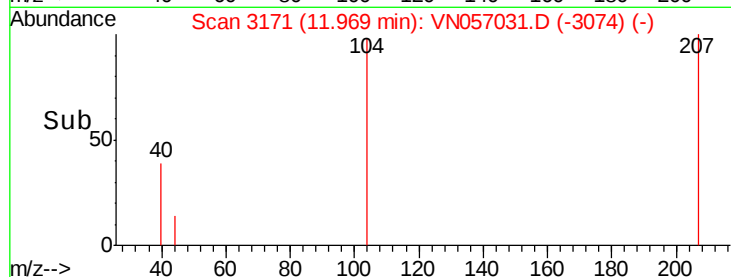
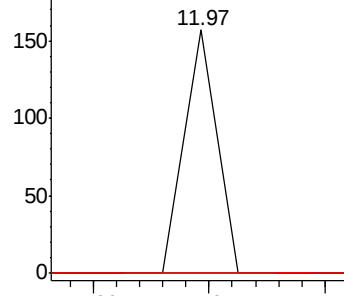
103 0.0 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): 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: VN057031.D

Acq: 1 Aug 2019 12:52

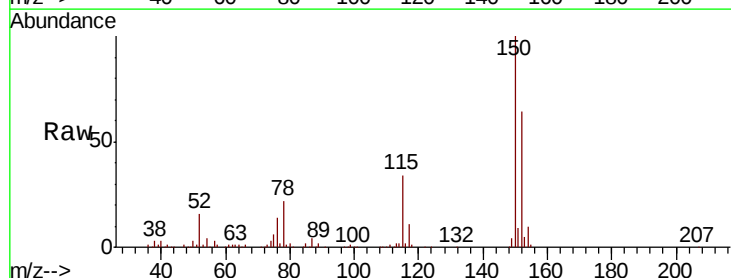
Tgt Ion:152 Resp: 174318

Ion Ratio Lower Upper

152 100

115 54.5 28.2 84.6

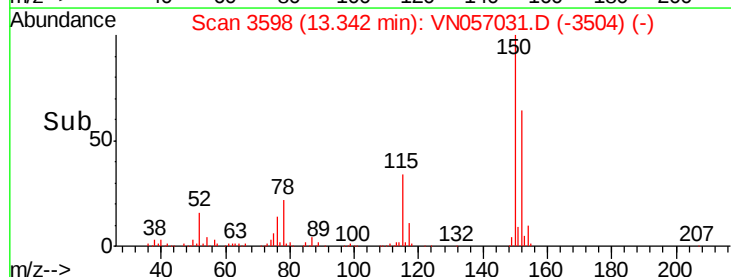
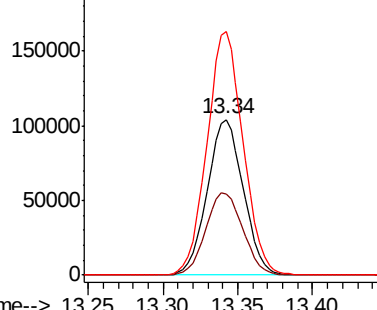
150 156.7 0.0 349.4

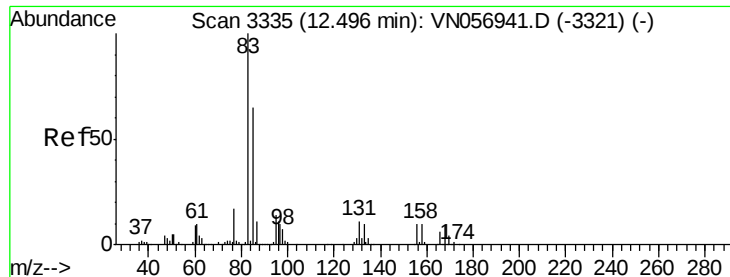


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. -0.10 min

Lab File: VN057031.D

Acq: 1 Aug 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-EB-20190730

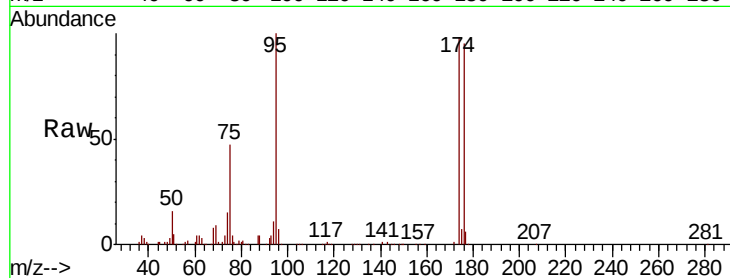
Tot Ion: 83 Resp: 30

Ion Ratio Lower Upper

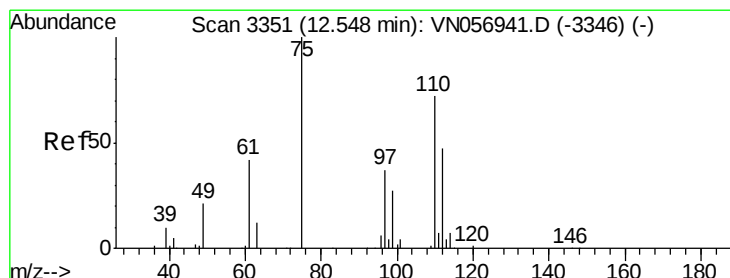
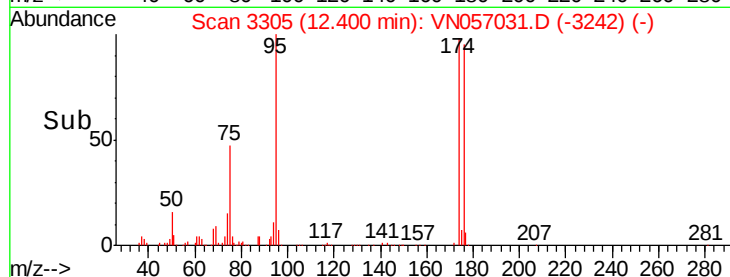
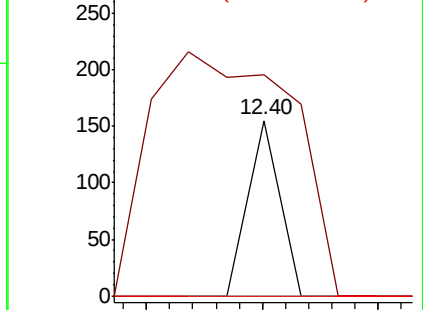
83 100

131 610.0 5.3 16.1#

85 0.0 32.5 97.4#



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 36.037 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN057031.D

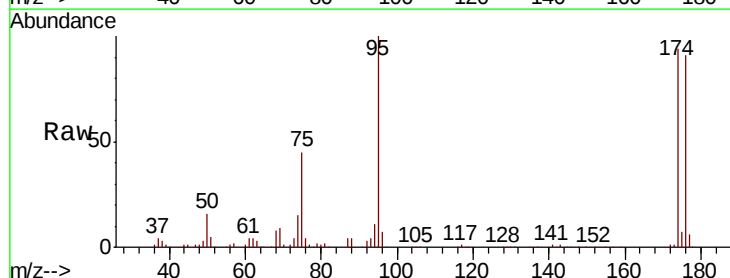
Acq: 1 Aug 2019 12:52

Tgt Ion: 75 Resp: 127575

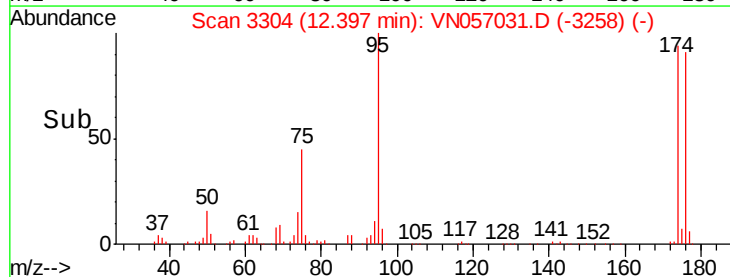
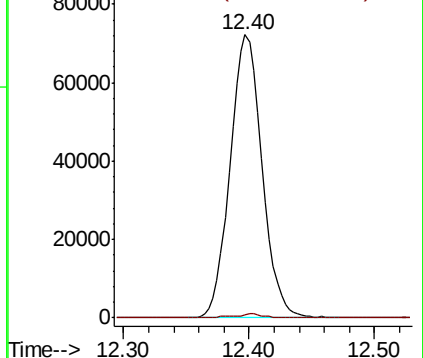
Ion Ratio Lower Upper

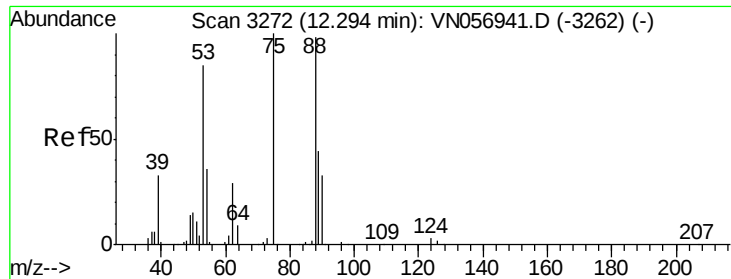
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#81

trans-1,4-Dichloro-2-butene

Concen: 115.786 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN057031.D

Acq: 1 Aug 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-EB-20190730

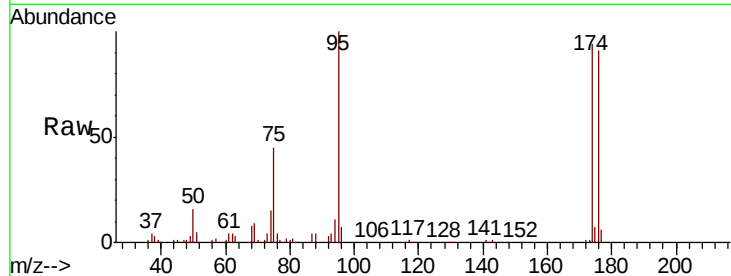
Tot Ion: 75 Resp: 127575

Ion Ratio Lower Upper

75 100

53 0.0 69.3 103.9#

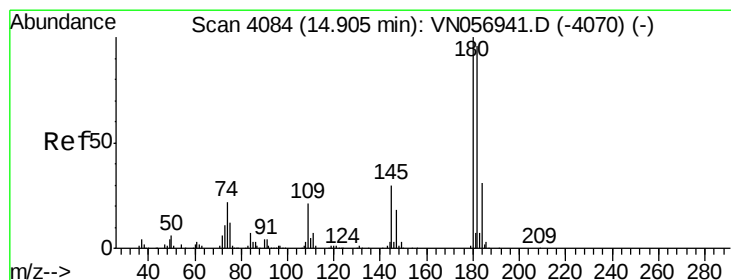
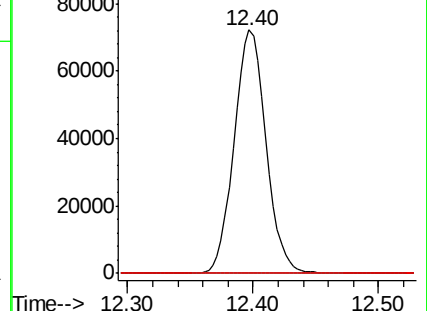
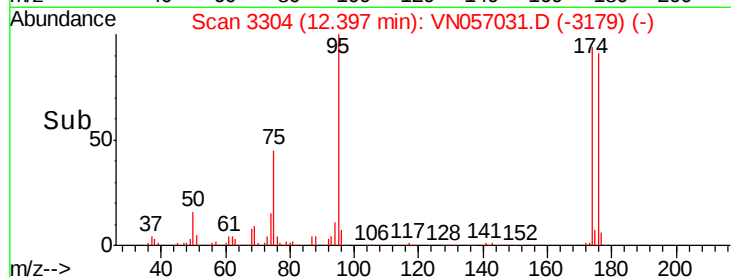
89 0.0 35.8 53.6#



Abundance Ion 74.90 (74.60 to 75.60): VN056941.D (-3262) (-)

Ion 53.00 (52.70 to 53.70): VN056941.D (-3262) (-)

Ion 88.90 (88.60 to 89.60): VN056941.D (-3262) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.902 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN057031.D

Acq: 1 Aug 2019 12:52

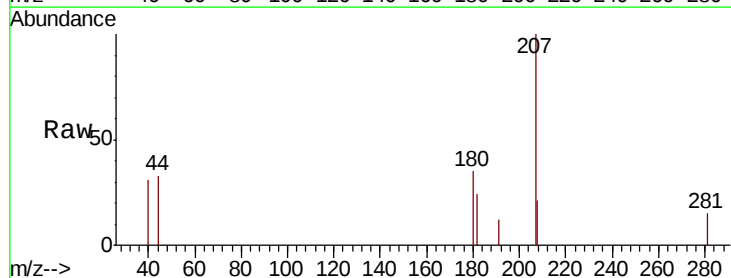
Tgt Ion: 180 Resp: 613

Ion Ratio Lower Upper

180 100

182 84.2 47.6 142.8

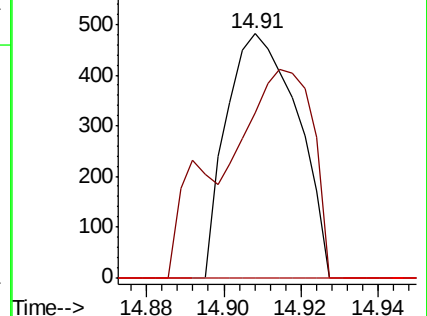
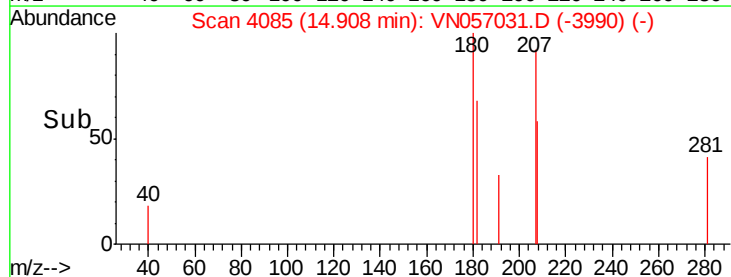
145 0.0 14.2 42.8#

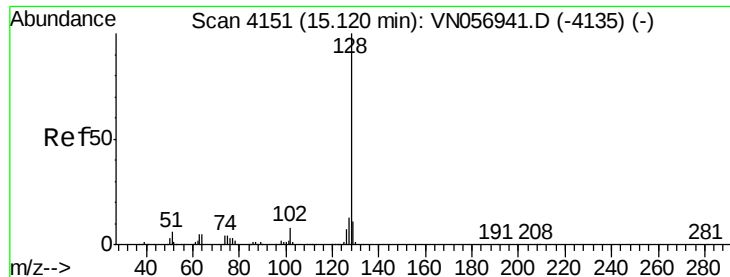


Abundance Ion 179.80 (179.50 to 180.50): VN056941.D (-4070) (-)

Ion 181.80 (181.50 to 182.50): VN056941.D (-4070) (-)

Ion 144.80 (144.50 to 145.50): VN056941.D (-4070) (-)





#95

Naphthalene

Concen: 3.716 ug/l

RT: 15.12 min Scan# 4151

Delta R.T. 0.00 min

Lab File: VN057031.D

Acq: 1 Aug 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-EB-20190730

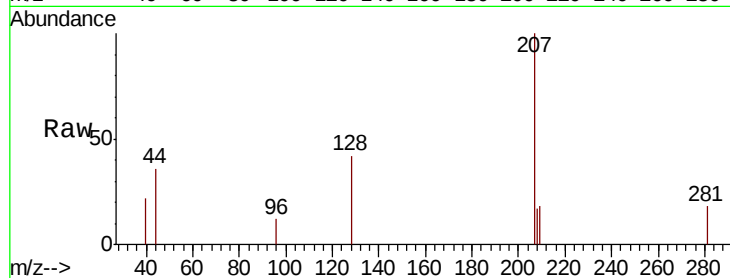
Tot Ion:128 Resp: 1026

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

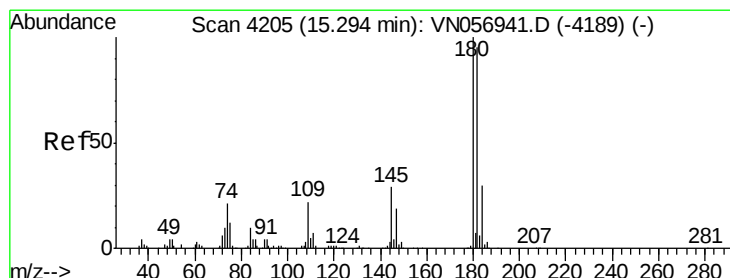
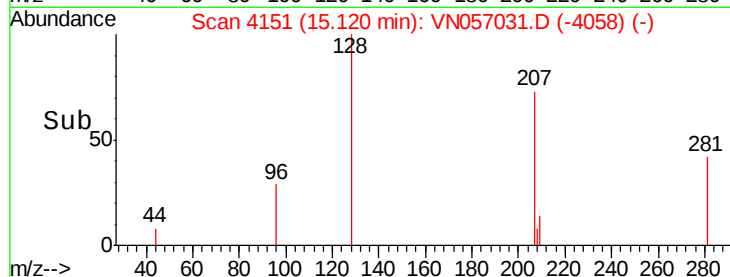
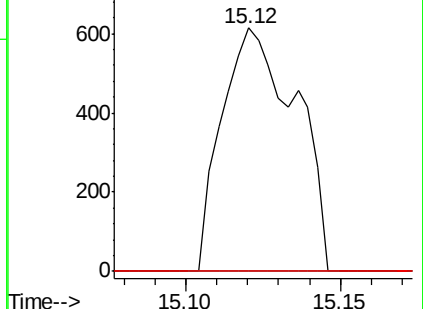
129 0.0 8.7 13.1#



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



#96

1,2,3-Trichlorobenzene

Concen: 2.262 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057031.D

Acq: 1 Aug 2019 12:52

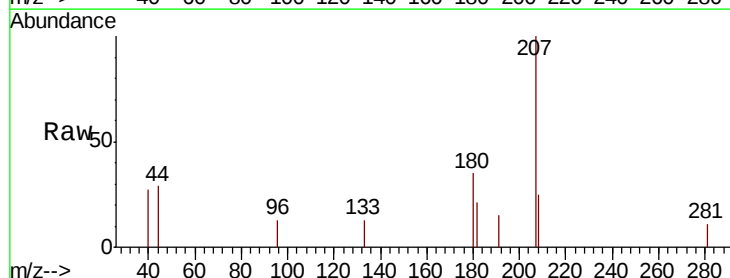
Tgt Ion:180 Resp: 678

Ion Ratio Lower Upper

180 100

182 73.7 48.0 144.2

145 9.3 15.0 45.0#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

