

Data File : VN057744.D
Acq On : 7 Sep 2019 11:48
Operator : JC/SP
Sample : K4754-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EB-01-090619

Quant Time: Sep 08 06:31:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 03:46:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	182755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	291978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	257645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	130492	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	203892	45.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.72%	
35) Dibromofluoromethane	7.58	113	126602	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
50) Toluene-d8	10.08	98	470040	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
62) 4-Bromofluorobenzene	12.40	95	166989	40.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.74%	

Target Compounds

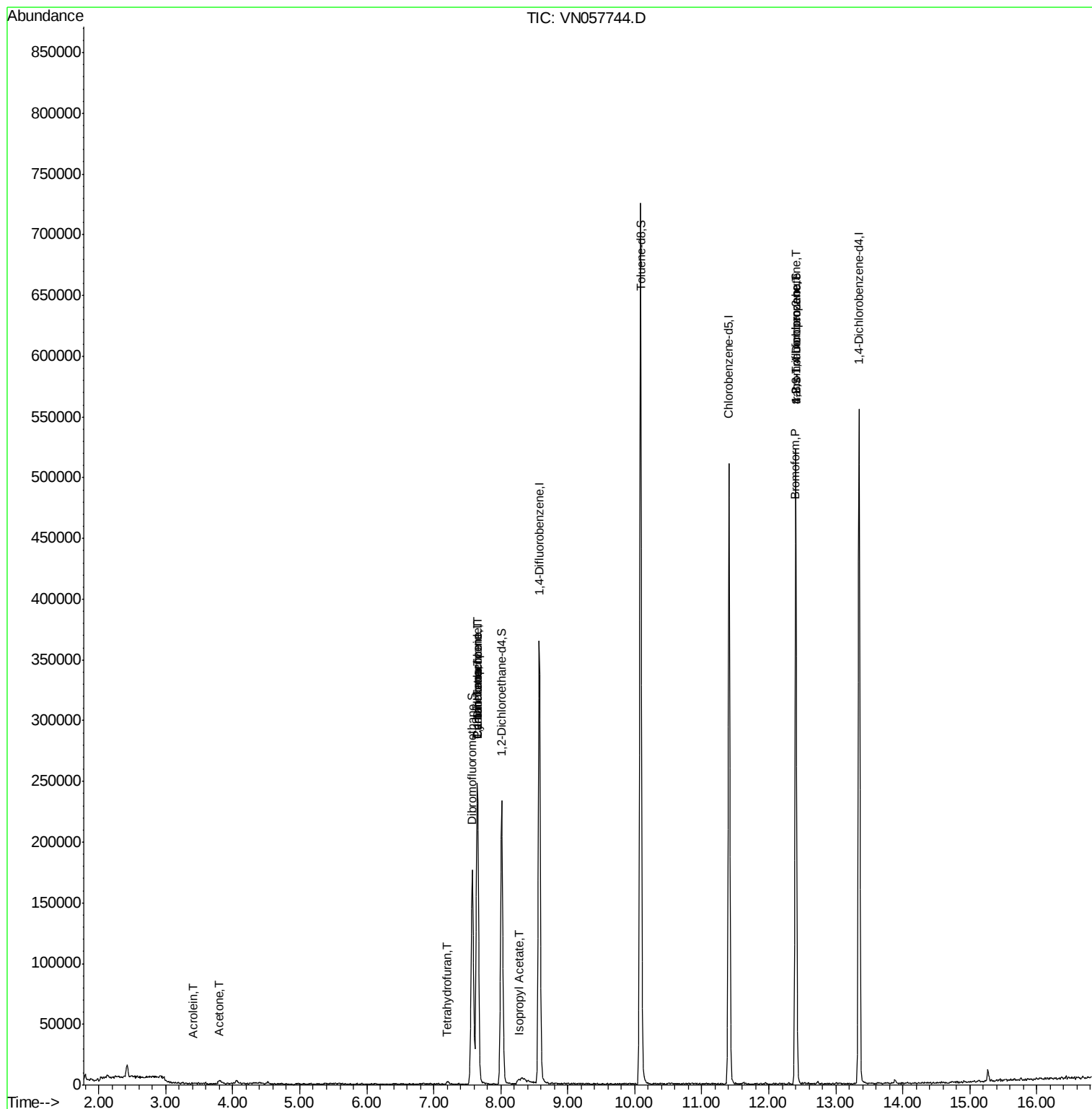
						Qvalue
3) Chloromethane	2.03	50	867	Below Cal	#	80
13) Acrolein	3.42	56	68	0.283	ug/l #	15
16) Acetone	3.81	43	4271	3.122	ug/l #	87
29) Tetrahydrofuran	7.20	42	690	0.546	ug/l #	61
31) Cyclohexane	7.65	56	5652	1.133	ug/l #	32
36) 1,1-Dichloropropene	7.65	75	17708	4.559	ug/l #	53
38) Carbon Tetrachloride	7.65	117	19777	5.317	ug/l #	16
43) Isopropyl Acetate	8.27	43	2524	0.341	ug/l #	67
71) Bromoform	12.39	173	98	3.294	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	98414	32.842	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	98414	102.139	ug/l #	1

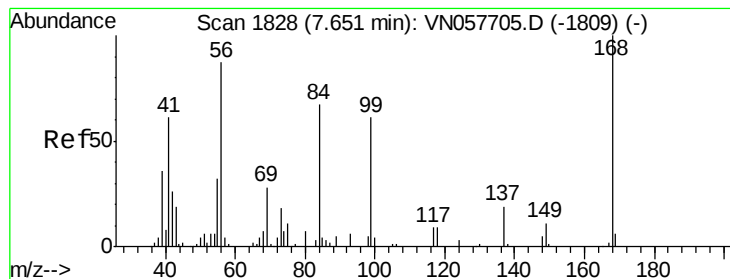
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057744.D

Acq: 7 Sep 2019 11:48

Instrument :

MSVOA_N

ClientSampleId :

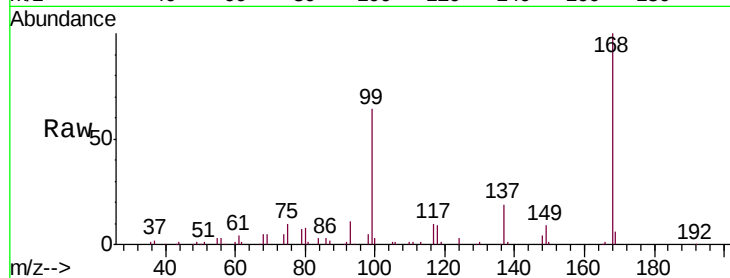
EB-01-090619

Tgt Ion:168 Resp: 182755

Ion Ratio Lower Upper

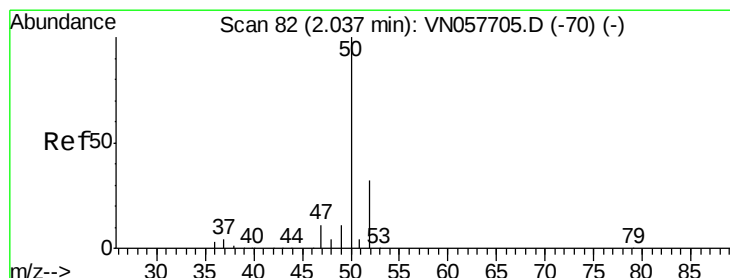
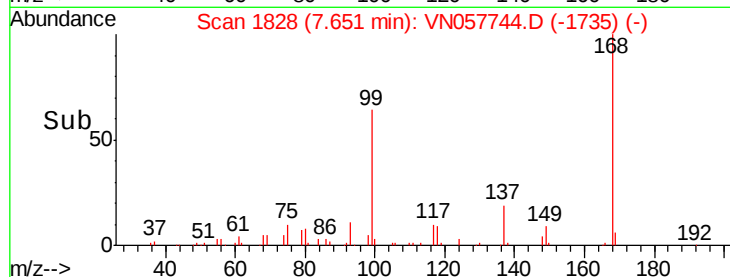
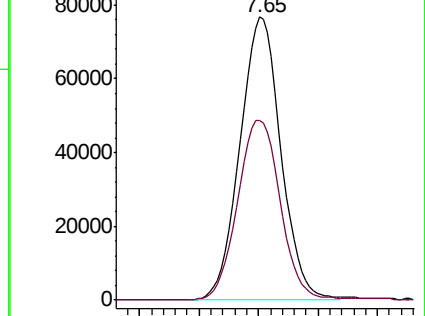
168 100

99 63.7 57.4 86.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN057744.D

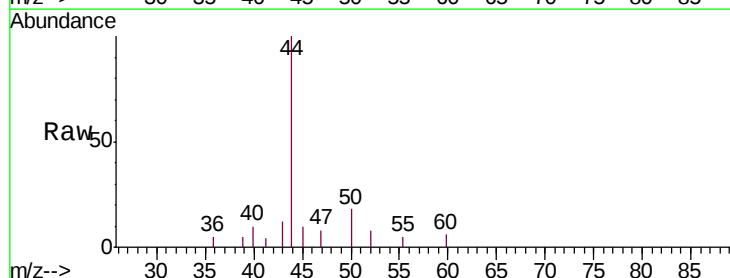
Acq: 7 Sep 2019 11:48

Tgt Ion: 50 Resp: 867

Ion Ratio Lower Upper

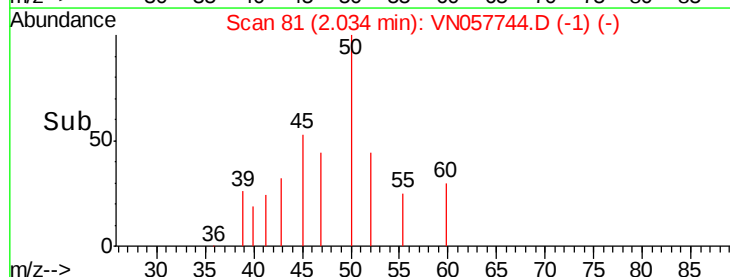
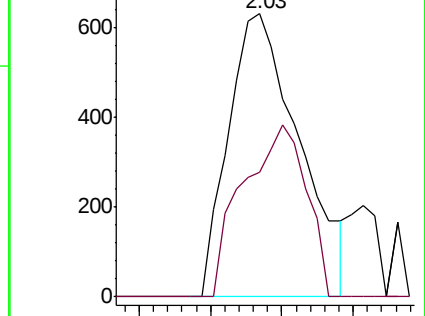
50 100

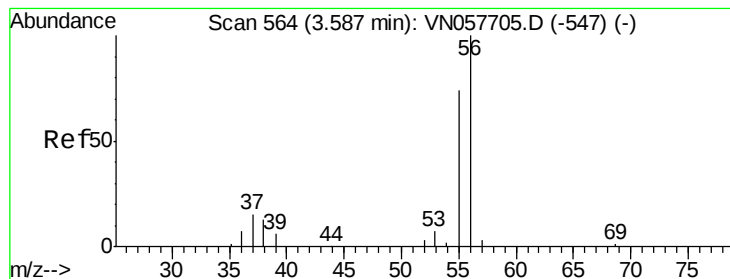
52 43.8 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#13

Acrolein

Concen: 0.283 ug/l

RT: 3.42 min Scan# 512

Delta R.T. -0.17 min

Lab File: VN057744.D

Acq: 7 Sep 2019 11:48

Instrument :

MSVOA_N

ClientSampleId :

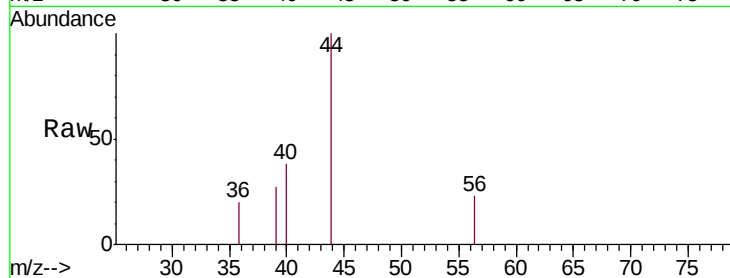
EB-01-090619

Tgt Ion: 56 Resp: 68

Ion Ratio Lower Upper

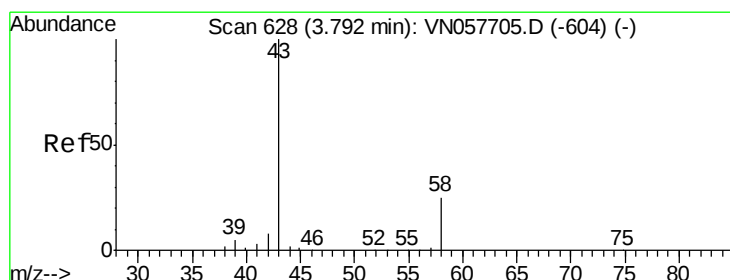
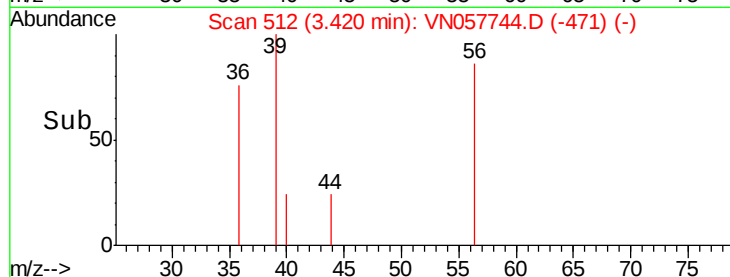
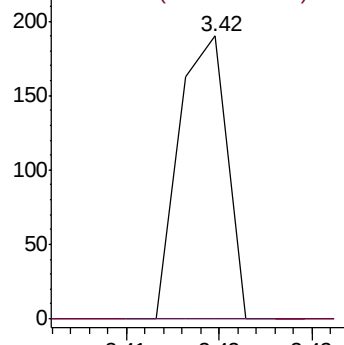
56 100

55 0.0 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 3.122 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.02 min

Lab File: VN057744.D

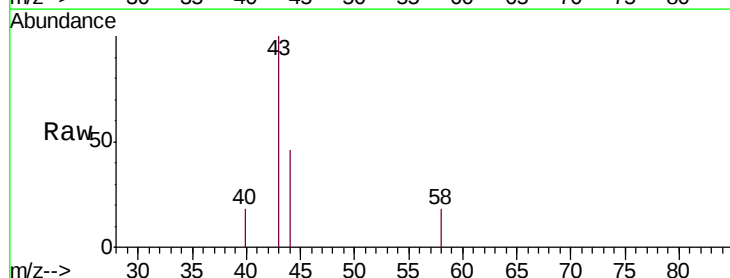
Acq: 7 Sep 2019 11:48

Tgt Ion: 43 Resp: 4271

Ion Ratio Lower Upper

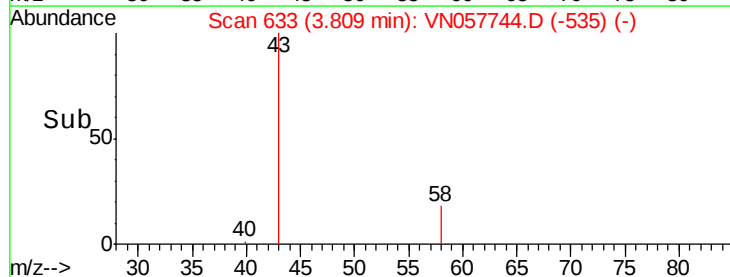
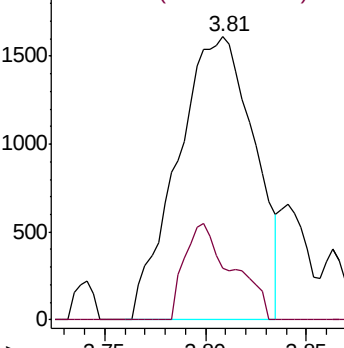
43 100

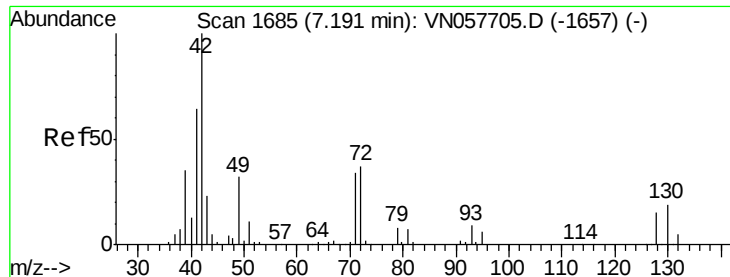
58 18.1 19.8 29.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#29

Tetrahydrofuran

Concen: 0.546 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN057744.D

Acq: 7 Sep 2019 11:48

Instrument :

MSVOA_N

ClientSampleId :

EB-01-090619

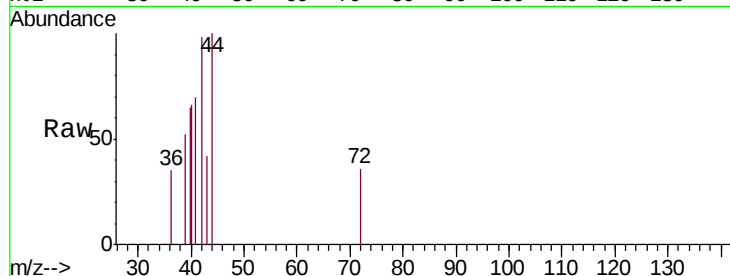
Tgt Ion: 42 Resp: 690

Ion Ratio Lower Upper

42 100

72 24.9 29.2 43.8#

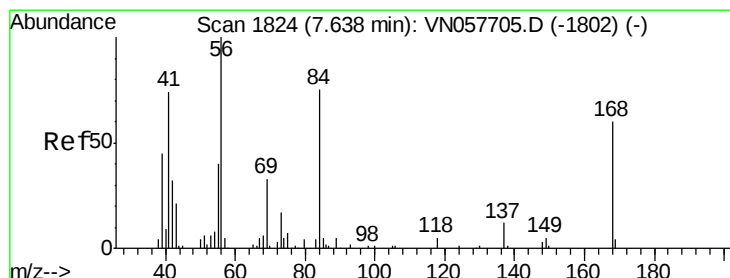
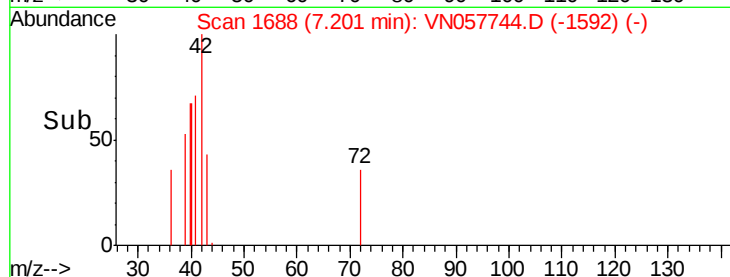
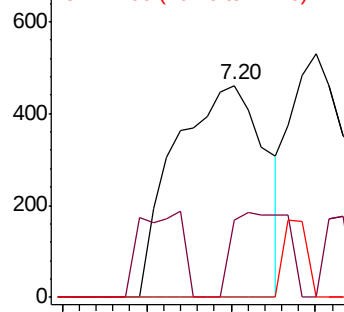
71 0.0 27.0 40.4#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.133 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN057744.D

Acq: 7 Sep 2019 11:48

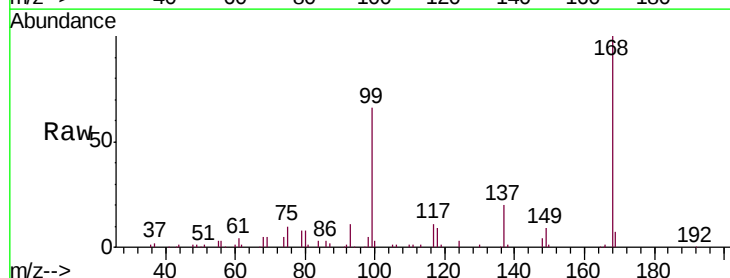
Tgt Ion: 56 Resp: 5652

Ion Ratio Lower Upper

56 100

69 133.2 26.2 39.2#

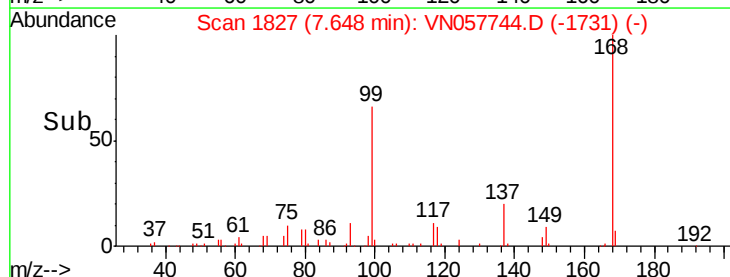
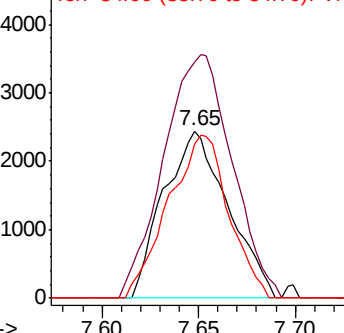
84 92.1 59.8 89.8#

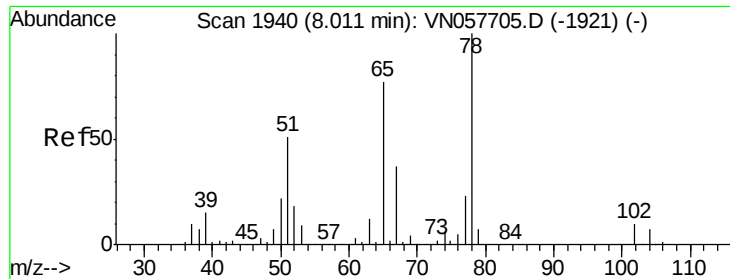


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

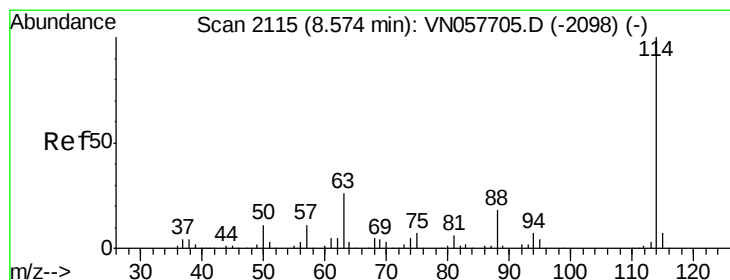
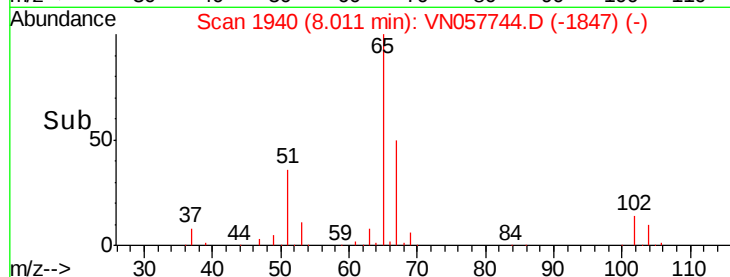
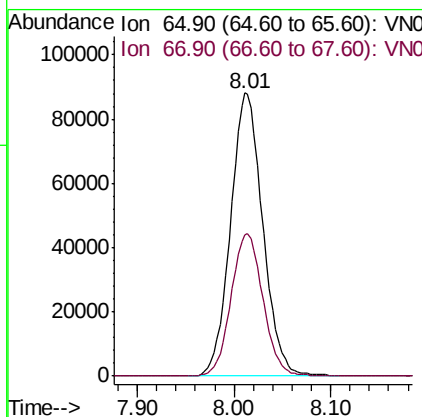
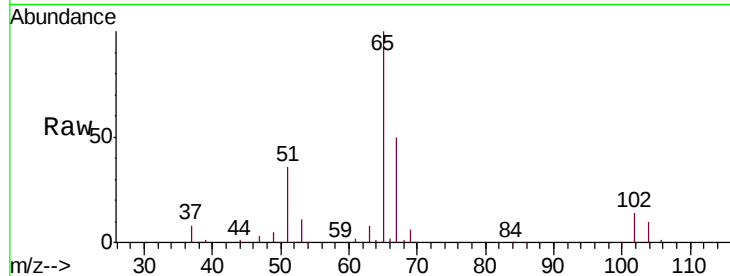




#33
 1,2-Dichloroethane-d4
 Concen: 45.861 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN057744.D
 Acq: 7 Sep 2019 11:48

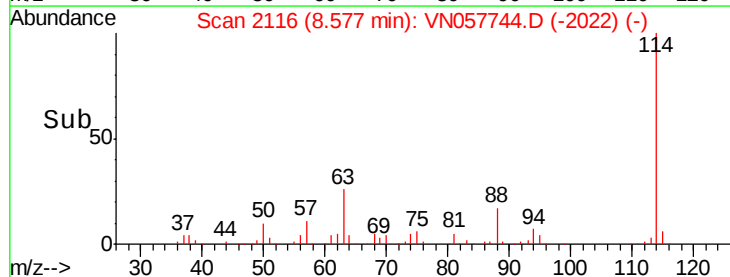
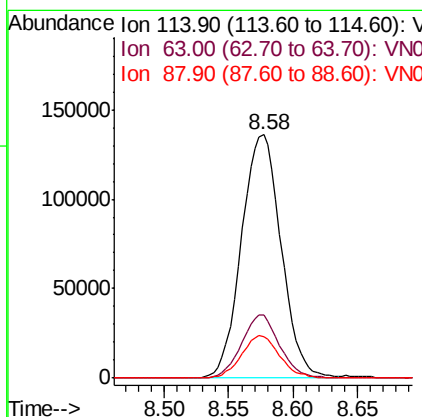
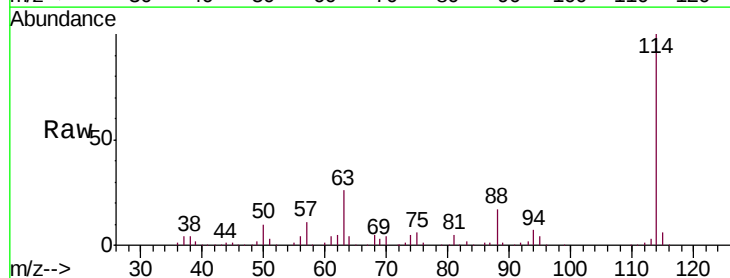
Instrument :
 MSVOA_N
 ClientSampleId :
 EB-01-090619

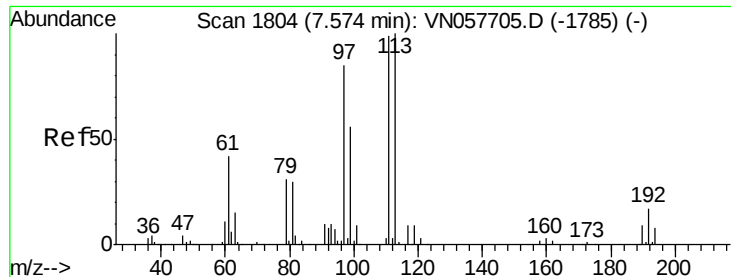
Tgt Ion: 65 Resp: 203892
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057744.D
 Acq: 7 Sep 2019 11:48

Tgt Ion: 114 Resp: 291978
 Ion Ratio Lower Upper
 114 100
 63 25.8 0.0 52.4
 88 17.2 0.0 35.4

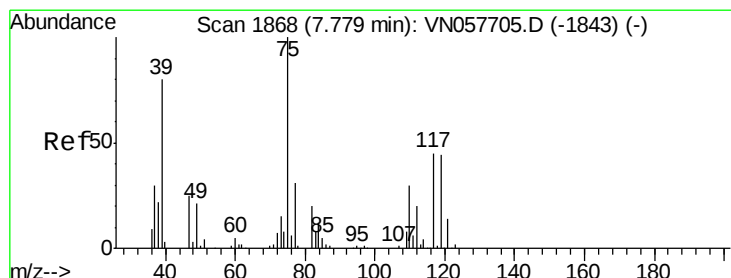
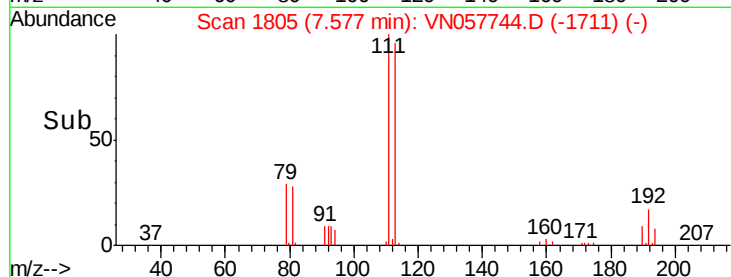
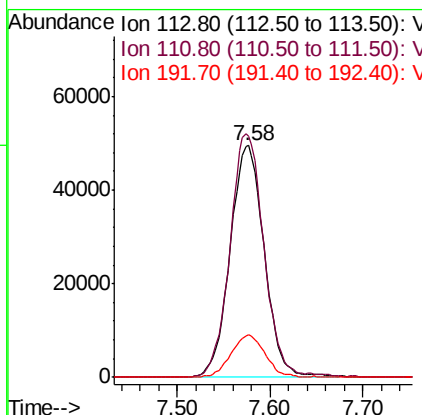
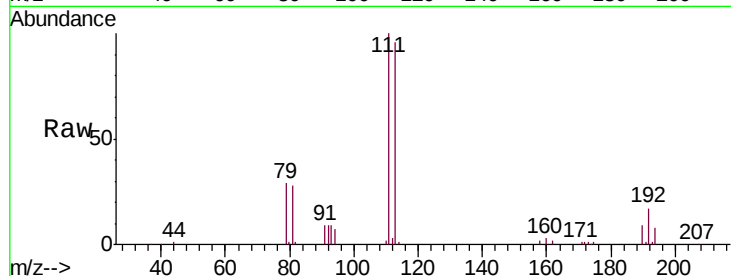




#35
 Dibromofluoromethane
 Concen: 47.604 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057744.D
 Acq: 7 Sep 2019 11:48

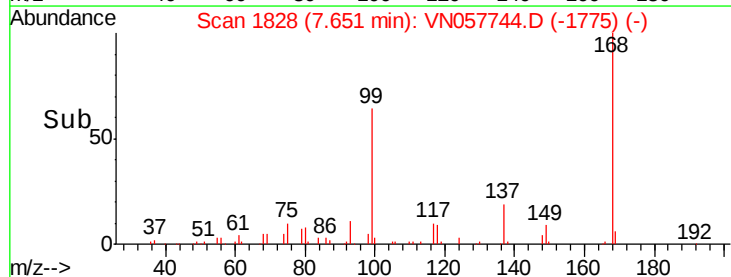
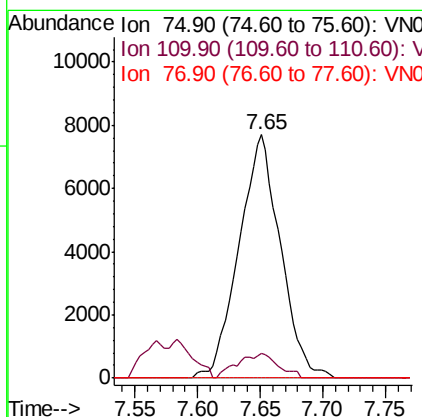
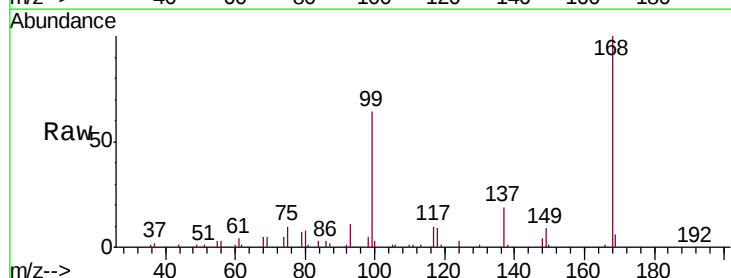
Instrument :
 MSVOA_N
 ClientSampleId :
 EB-01-090619

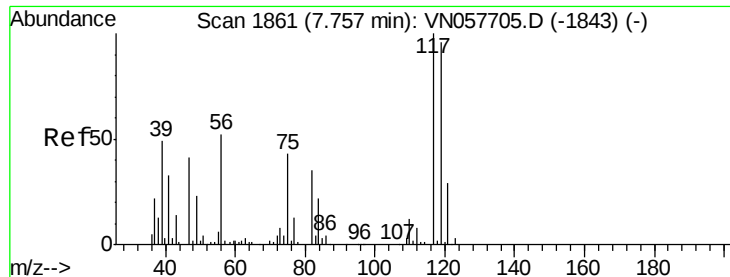
Tgt Ion:113 Resp: 126602
 Ion Ratio Lower Upper
 113 100
 111 104.3 82.7 124.1
 192 18.2 13.8 20.6



#36
 1,1-Dichloropropene
 Concen: 4.559 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057744.D
 Acq: 7 Sep 2019 11:48

Tgt Ion: 75 Resp: 17708
 Ion Ratio Lower Upper
 75 100
 110 10.0 15.0 45.0#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.317 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN057744.D

Acq: 7 Sep 2019 11:48

Instrument :

MSVOA_N

ClientSampleId :

EB-01-090619

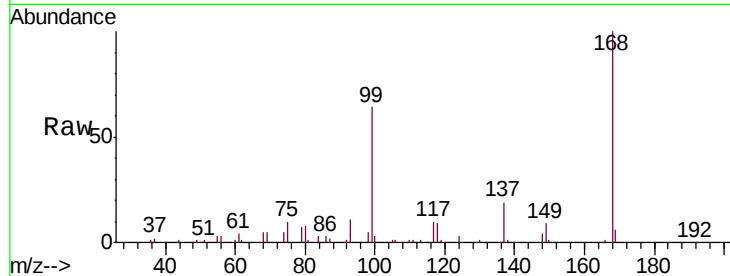
Tgt Ion:117 Resp: 19777

Ion Ratio Lower Upper

117 100

119 4.9 76.1 114.1#

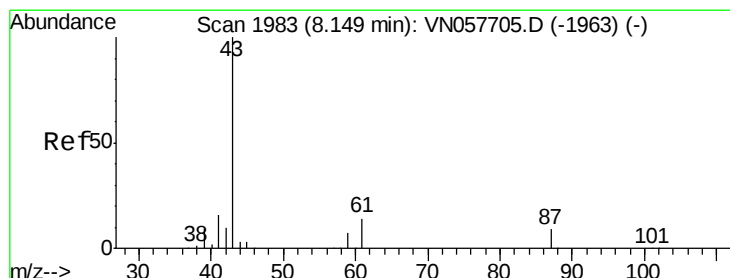
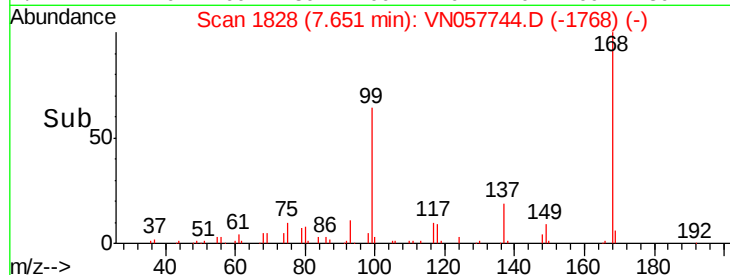
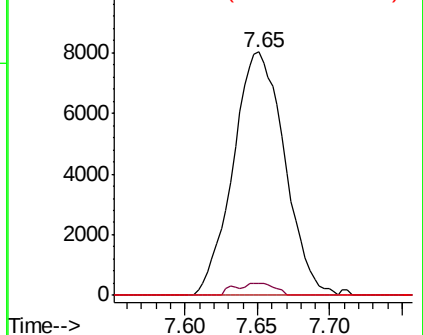
121 0.0 23.4 35.2#



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: 0.341 ug/l

RT: 8.27 min Scan# 2019

Delta R.T. 0.12 min

Lab File: VN057744.D

Acq: 7 Sep 2019 11:48

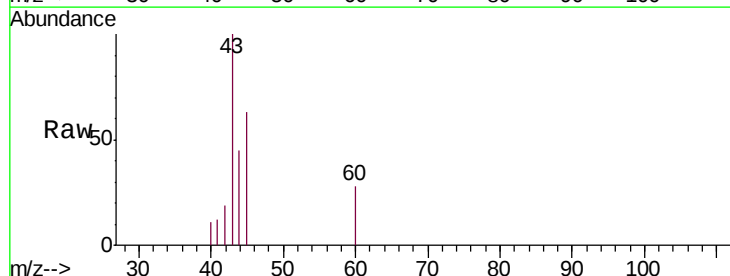
Tgt Ion: 43 Resp: 2524

Ion Ratio Lower Upper

43 100

61 0.0 12.8 19.2#

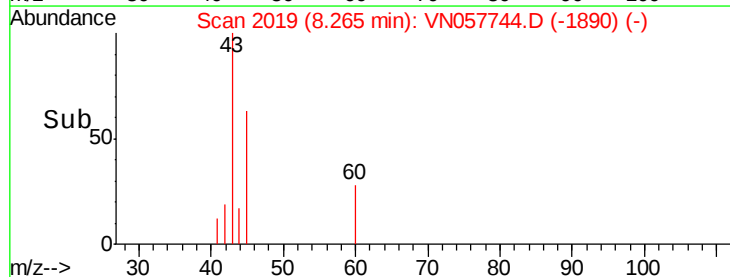
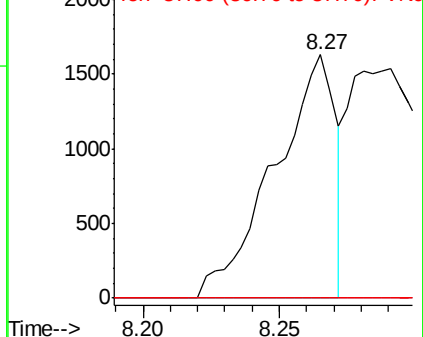
87 0.0 7.8 11.8#

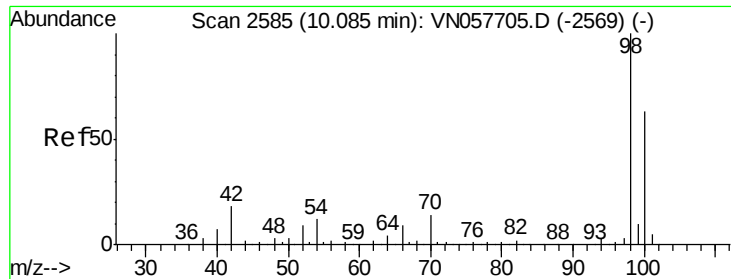


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 47.778 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057744.D

Acq: 7 Sep 2019 11:48

Instrument :

MSVOA_N

ClientSampleId :

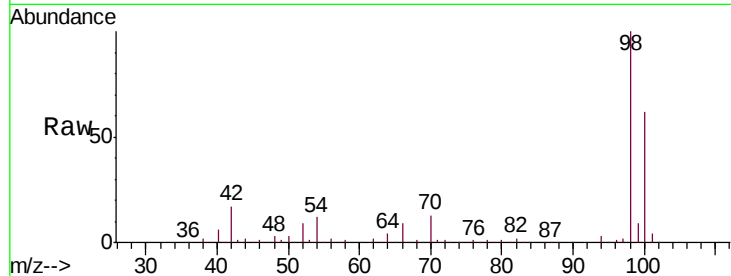
EB-01-090619

Tgt Ion: 98 Resp: 470040

Ion Ratio Lower Upper

98 100

100 63.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN057705.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN057705.D (-2569) (-)

10.08

250000

200000

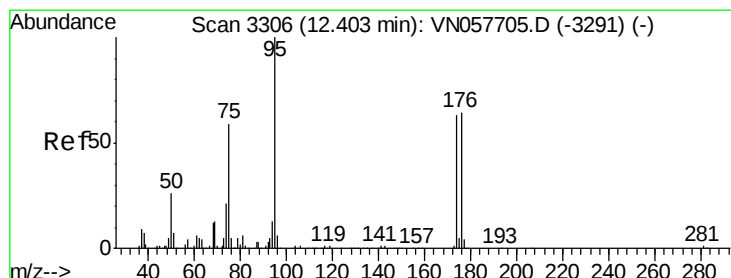
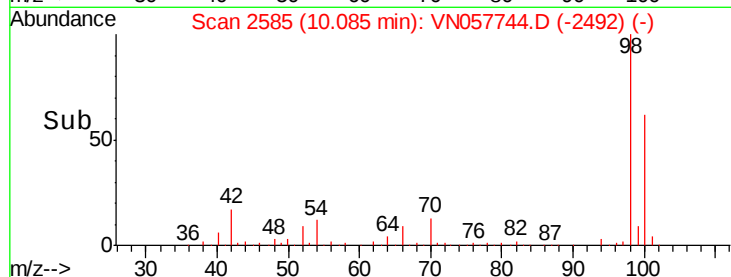
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 40.866 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057744.D

Acq: 7 Sep 2019 11:48

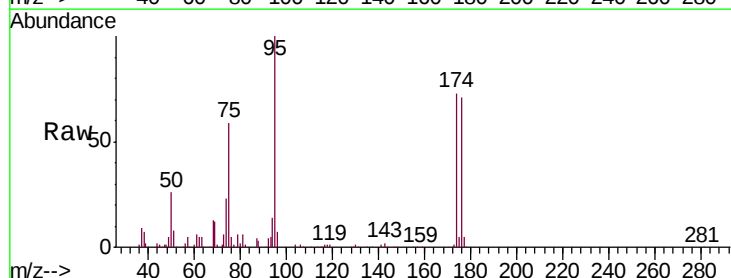
Tgt Ion: 95 Resp: 166989

Ion Ratio Lower Upper

95 100

174 72.2 0.0 128.0

176 72.2 0.0 128.0



Abundance Ion 94.90 (94.60 to 95.60): VN057705.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN057705.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN057705.D (-3291) (-)

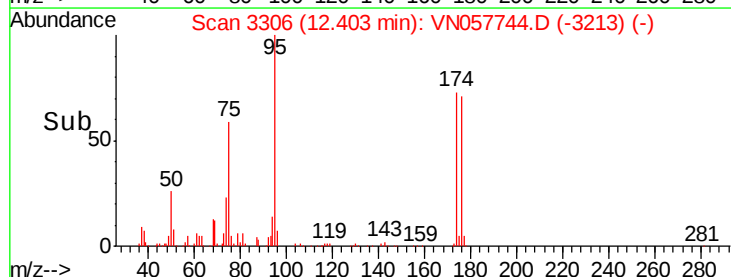
12.40

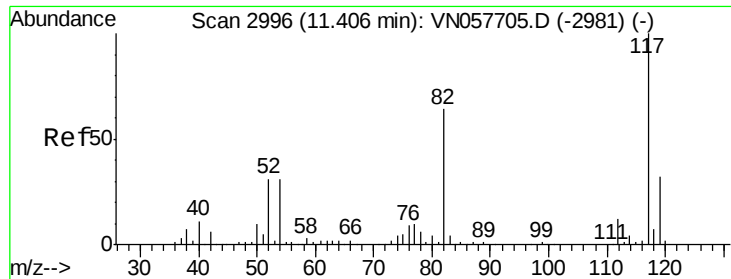
100000

50000

0

Time-->

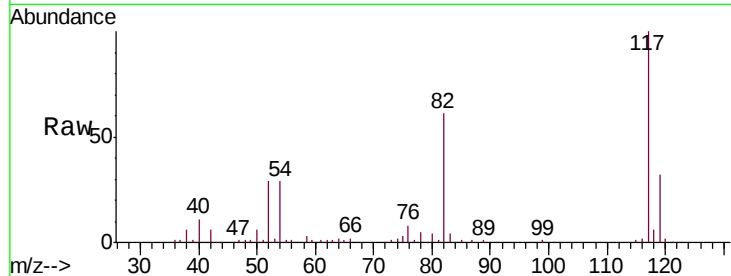




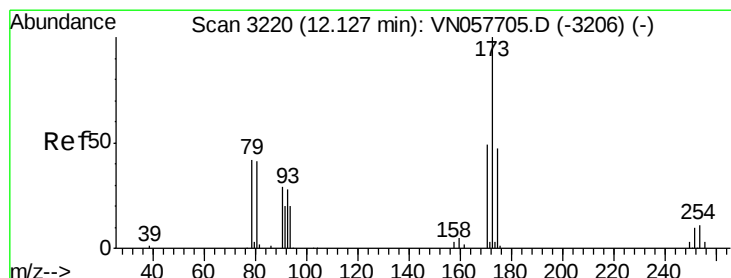
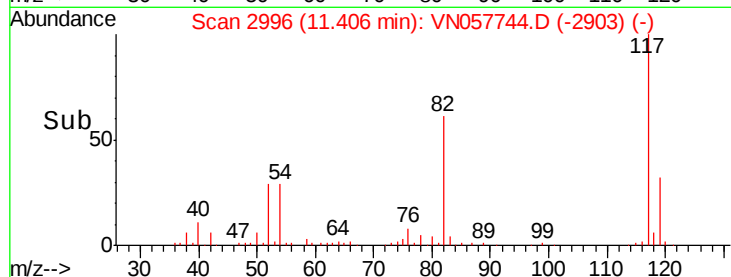
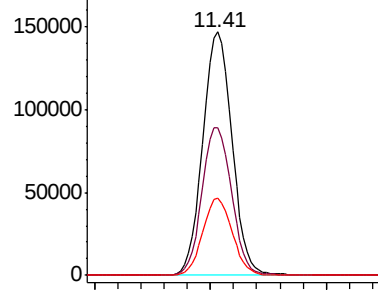
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057744.D
Acq: 7 Sep 2019 11:48

Instrument :
MSVOA_N
ClientSampled :
EB-01-090619

Tgt Ion:117 Resp: 257645
Ion Ratio Lower Upper
117 100
82 60.7 51.4 77.0
119 31.6 25.4 38.2

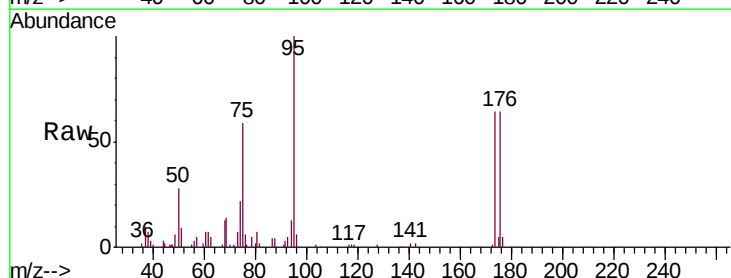


Abundance Ion 116.90 (116.60 to 117.60): V
200000 Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

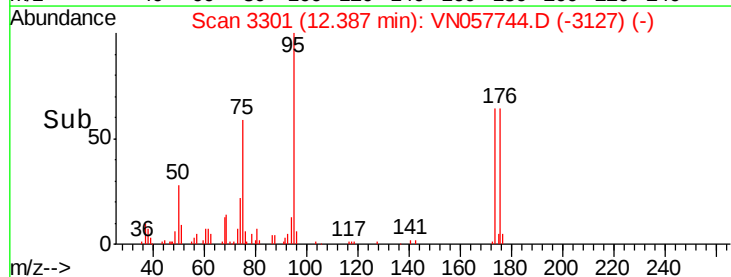
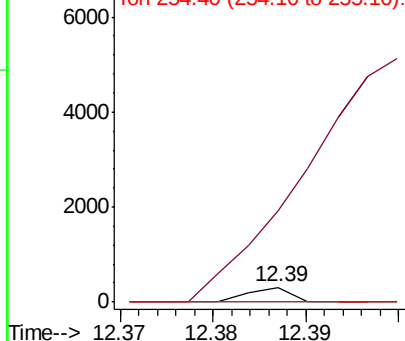


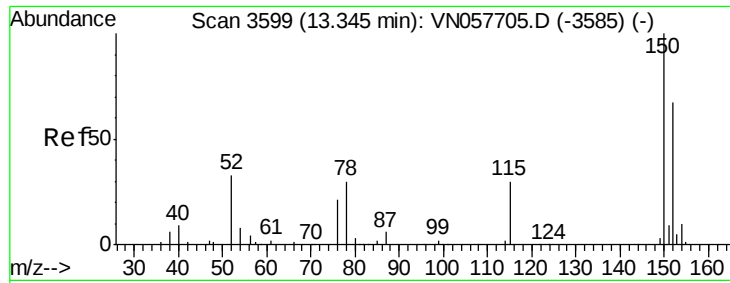
#71
Bromoform
Concen: 3.294 ug/l
RT: 12.39 min Scan# 3301
Delta R.T. 0.26 min
Lab File: VN057744.D
Acq: 7 Sep 2019 11:48

Tgt Ion:173 Resp: 98
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
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: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057744.D

Acq: 7 Sep 2019 11:48

Instrument :

MSVOA_N

ClientSampleId :

EB-01-090619

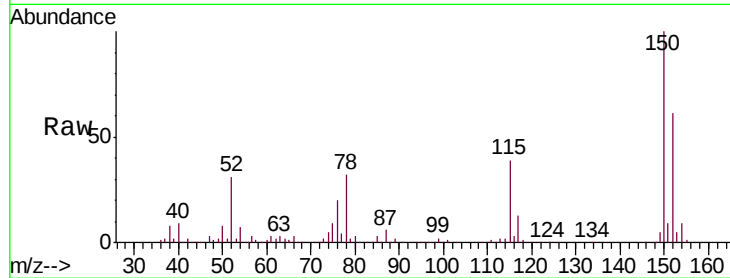
Tgt Ion:152 Resp: 130492

Ion Ratio Lower Upper

152 100

115 62.8 33.8 101.3

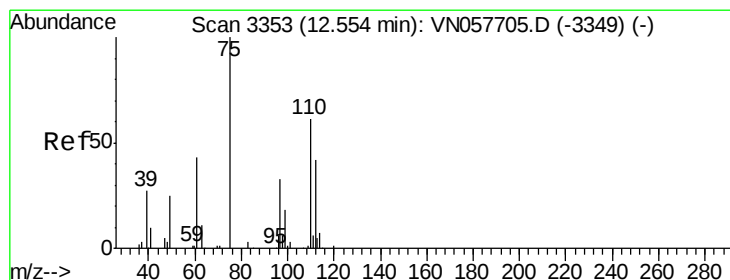
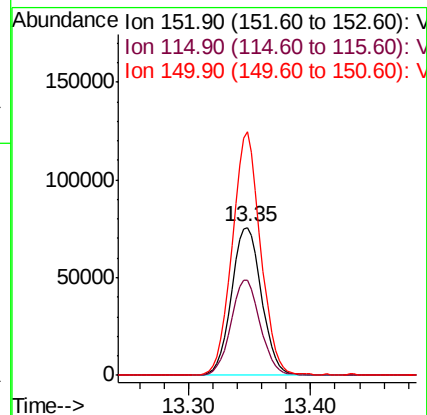
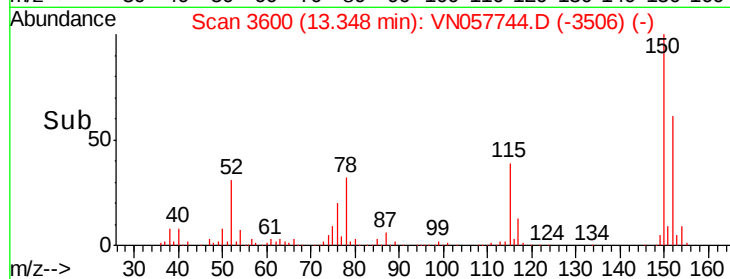
150 155.0 0.0 345.4



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



#76

1,2,3-Trichloropropane

Concen: 32.842 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057744.D

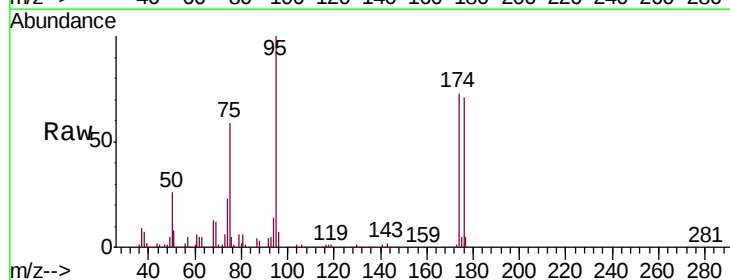
Acq: 7 Sep 2019 11:48

Tgt Ion: 75 Resp: 98414

Ion Ratio Lower Upper

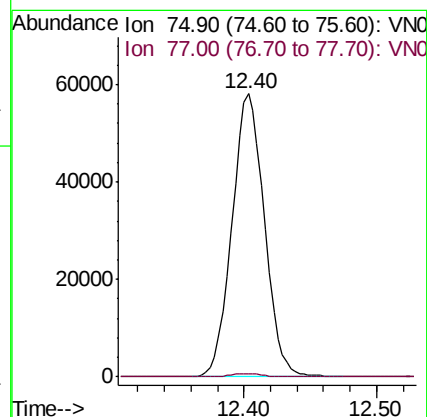
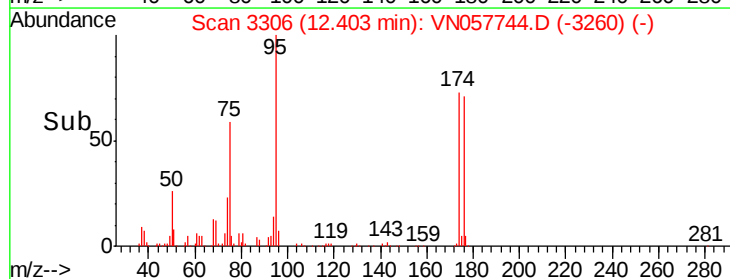
75 100

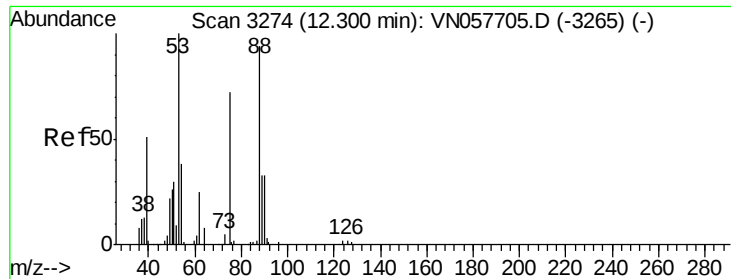
77 0.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 102.139 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057744.D

Acq: 7 Sep 2019 11:48

Instrument :

MSVOA_N

ClientSampleId :

EB-01-090619

Tgt Ion: 75 Resp: 98414

Ion Ratio Lower Upper

75 100

53 0.0 107.0 160.6#

89 0.0 36.5 54.7#

