

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055799.D
 Acq On : 24 May 2019 16:33
 Operator : JC/SP
 Sample : K3042-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Quant Time: May 25 04:28:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	416811	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	600280	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	531849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	175723	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	197150	45.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.60%	
35) Dibromofluoromethane	7.59	113	179754	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	
50) Toluene-d8	10.09	98	705575	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
62) 4-Bromofluorobenzene	12.40	95	219302	43.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.86%	

Target Compounds

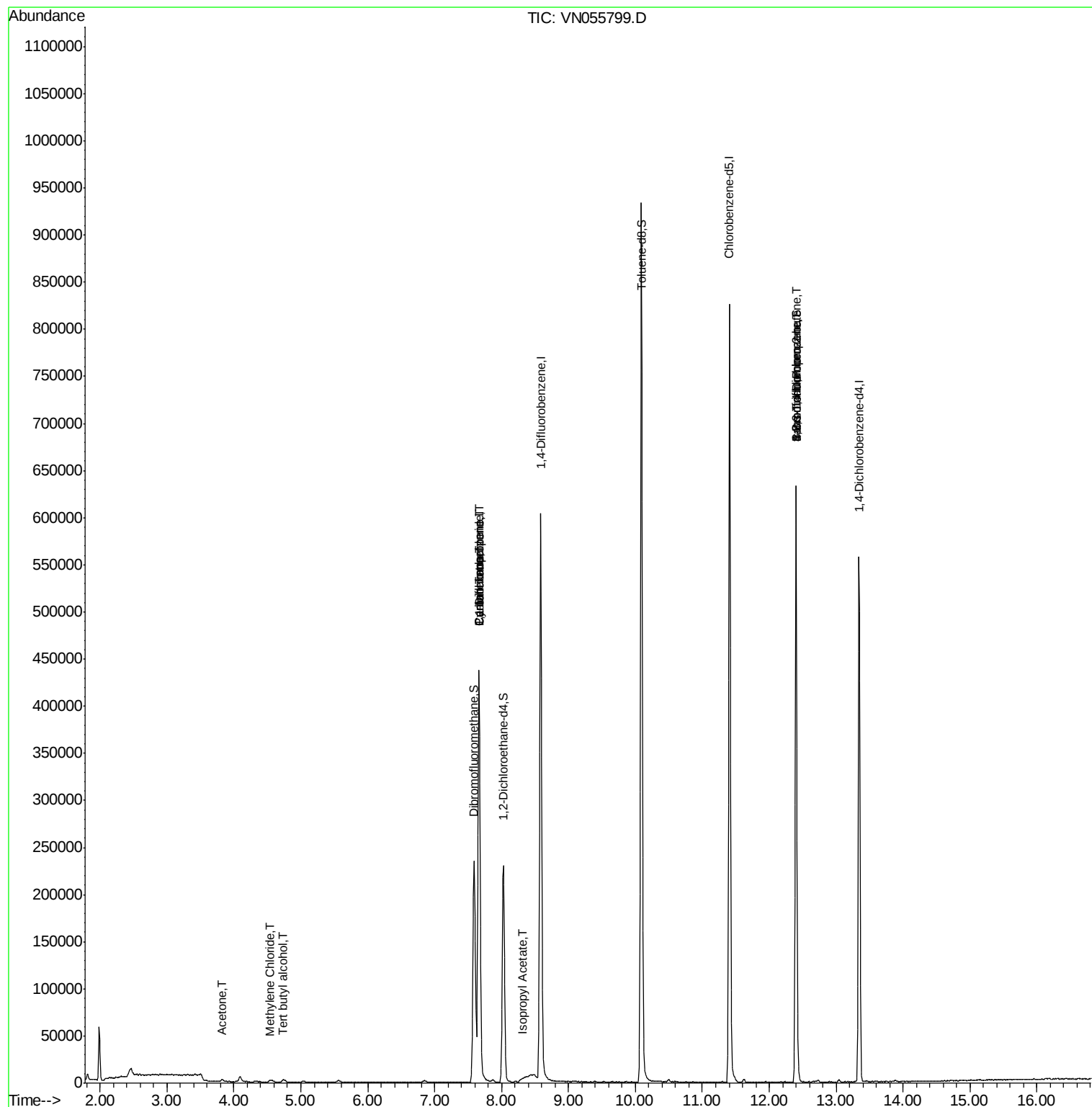
					Qvalue	
11) Tert butyl alcohol	4.73	59	977	1.188	ug/l #	74
16) Acetone	3.82	43	4499	2.378	ug/l	96
18) Methyl Acetate	4.34	43	2239	Below Cal	#	51
20) Methylene Chloride	4.54	84	983	0.240	ug/l #	75
31) Cyclohexane	7.66	56	6228	0.964	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	23991	4.586	ug/l #	48
38) Carbon Tetrachloride	7.66	117	34514	6.334	ug/l #	14
43) Isopropyl Acetate	8.31	43	3565	0.420	ug/l #	53
71) Bromoform	12.40	173	1557	0.430	ug/l #	1
73) Isopropylbenzene	12.25	105	322	Below Cal	#	48
74) N-amyl acetate	12.08	43	30	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.40	75	100888	32.223	ug/l #	100
79) 2-Chlorotoluene	12.67	91	68	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	754	Below Cal		75
81) trans-1,4-Dichloro-2-buten	12.40	75	100888	77.248	ug/l #	15
83) tert-Butylbenzene	13.04	119	159	Below Cal	#	84
84) 1,2,4-Trimethylbenzene	13.04	105	2556	Below Cal		100
85) sec-Butylbenzene	13.17	105	142	Below Cal	#	55

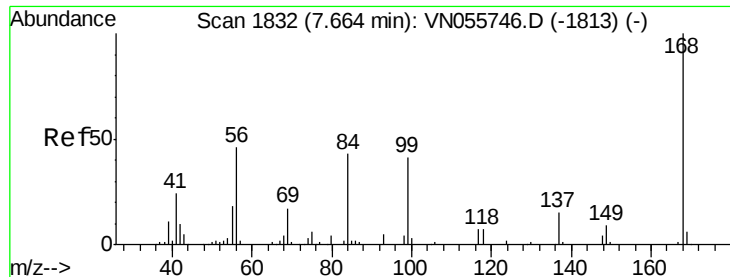
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052419\
Data File : VN055799.D
Acq On : 24 May 2019 16:33
Operator : JC/SP
Sample : K3042-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Quant Time: May 25 04:28:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 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: VN055799.D

Acq: 24 May 2019 16:33

Instrument :

MSVOA_N

ClientSampleId :

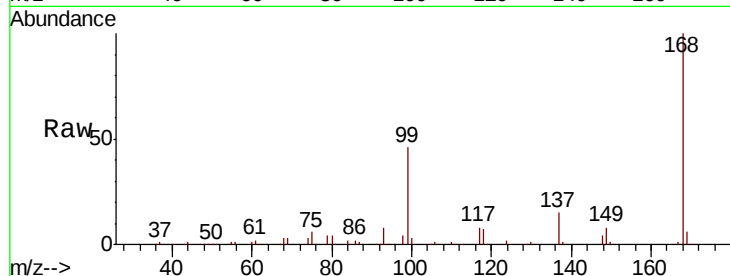
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:168 Resp: 416811

Ion Ratio Lower Upper

168 100

99 46.4 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055746.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN055746.D (-1813) (-)

7.66

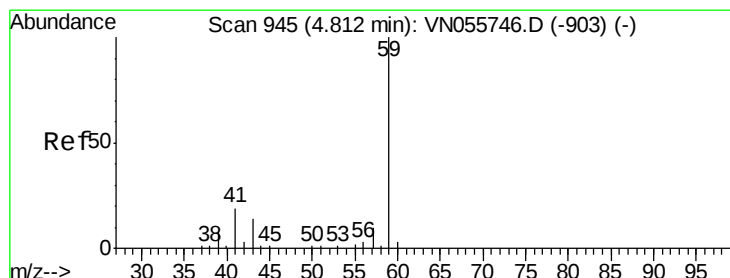
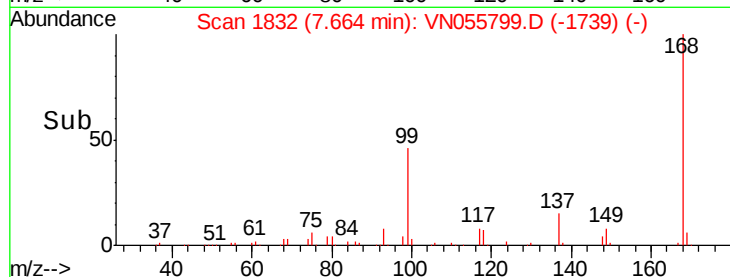
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#11

Tert butyl alcohol

Concen: 1.188 ug/l

RT: 4.73 min Scan# 920

Delta R.T. -0.08 min

Lab File: VN055799.D

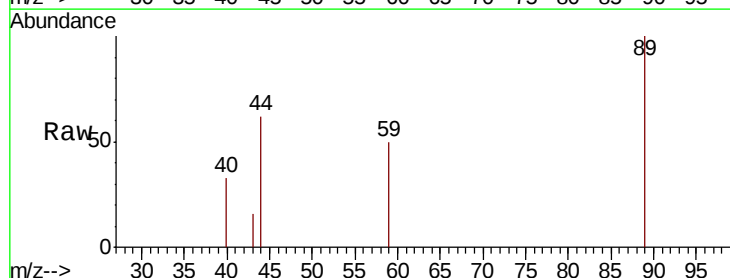
Acq: 24 May 2019 16:33

Tgt Ion: 59 Resp: 977

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN055746.D (-903) (-)

Ion 57.00 (56.70 to 57.70): VN055746.D (-903) (-)

4.73

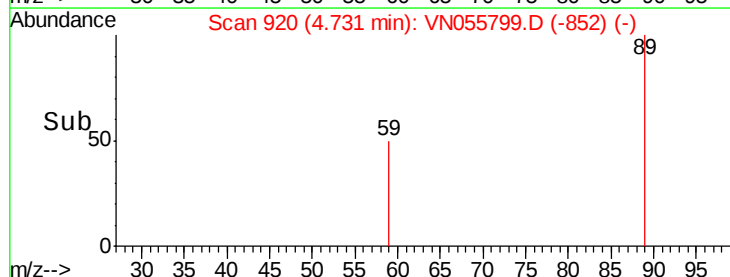
600

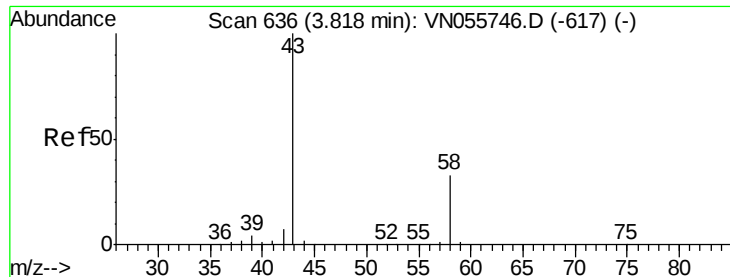
400

200

0

Time--> 4.68 4.70 4.72 4.74





#16

Acetone

Concen: 2.378 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055799.D

Acq: 24 May 2019 16:33

Instrument :

MSVOA_N

ClientSampleId :

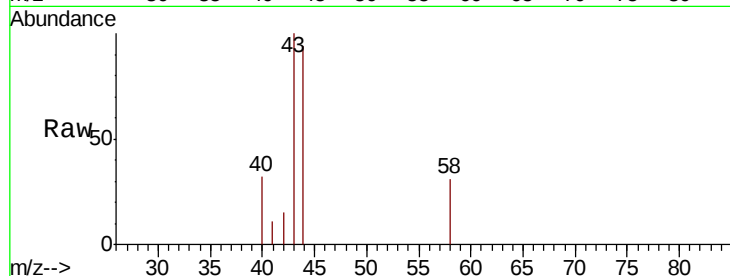
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 4499

Ion Ratio Lower Upper

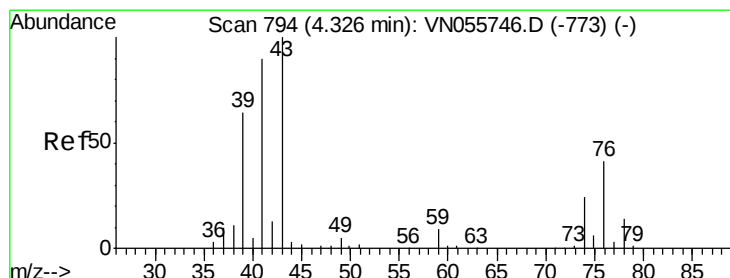
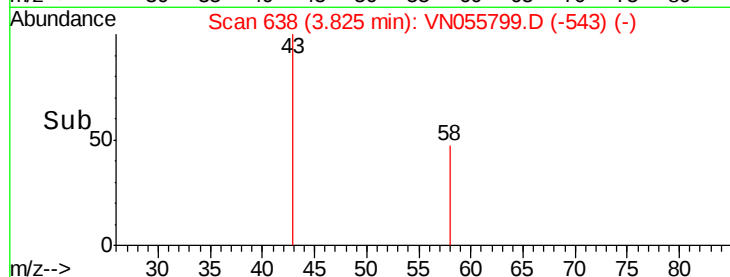
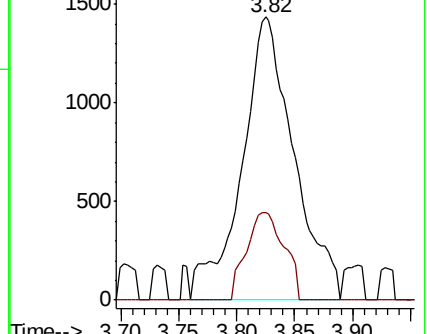
43 100

58 31.1 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 799

Delta R.T. 0.02 min

Lab File: VN055799.D

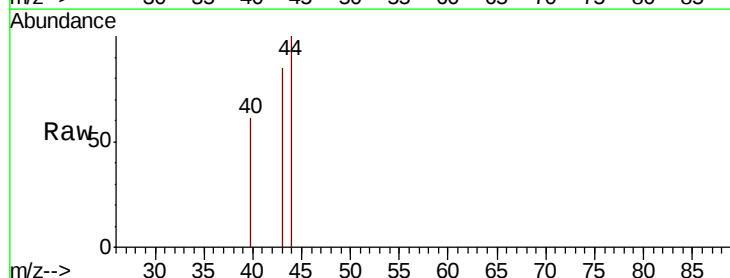
Acq: 24 May 2019 16:33

Tgt Ion: 43 Resp: 2239

Ion Ratio Lower Upper

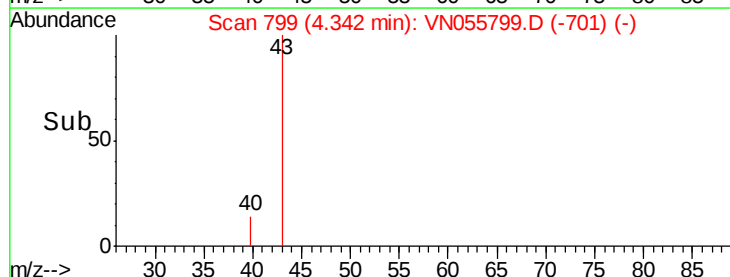
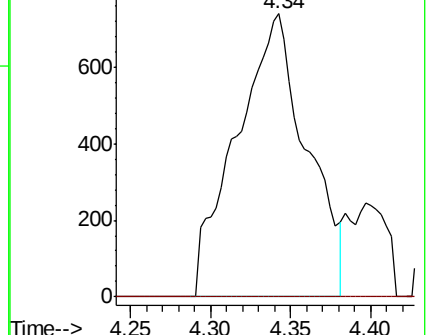
43 100

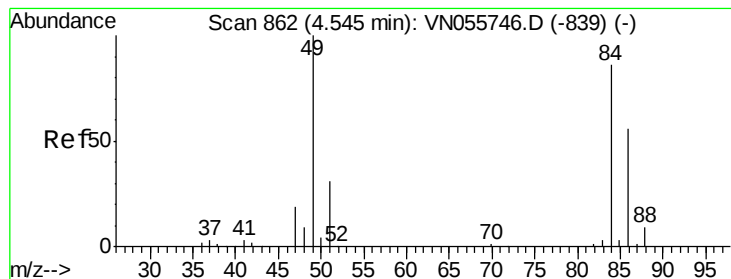
74 0.0 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#20

Methylene Chloride

Concen: 0.240 ug/l

RT: 4.54 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN055799.D

Acq: 24 May 2019 16:33

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 84 Resp: 983

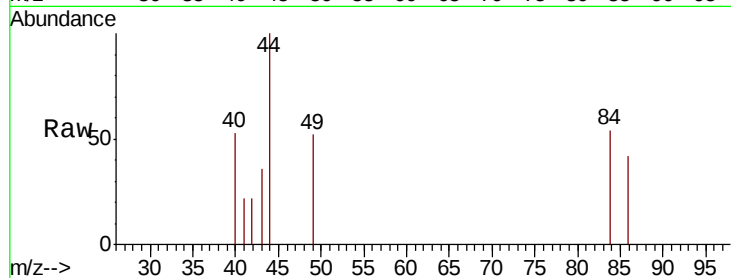
Ion Ratio Lower Upper

84 100

49 96.0 93.5 140.3

51 0.0 28.6 43.0#

86 77.4 52.6 79.0

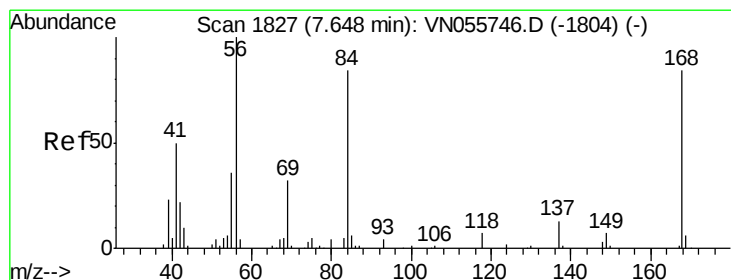
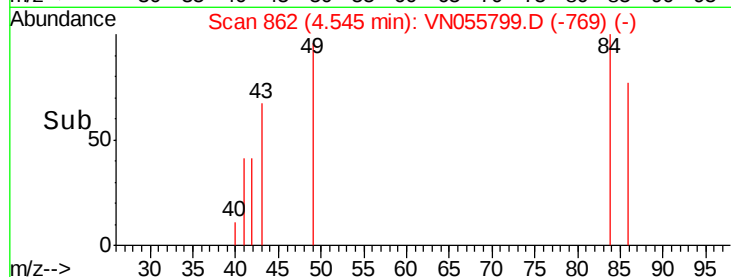
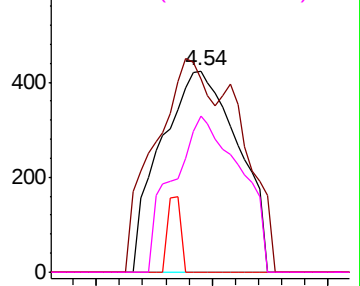


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#31

Cyclohexane

Concen: 0.964 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN055799.D

Acq: 24 May 2019 16:33

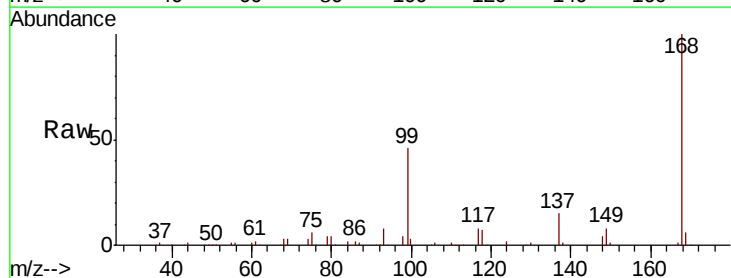
Tgt Ion: 56 Resp: 6228

Ion Ratio Lower Upper

56 100

69 204.2 25.6 38.4#

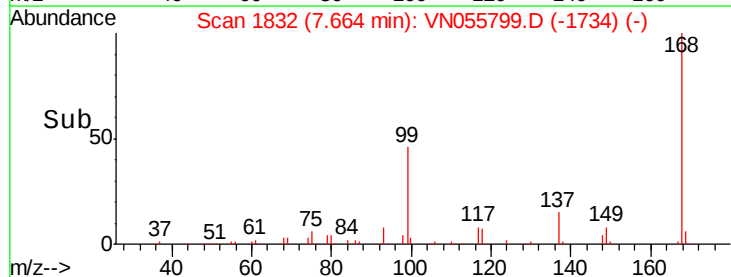
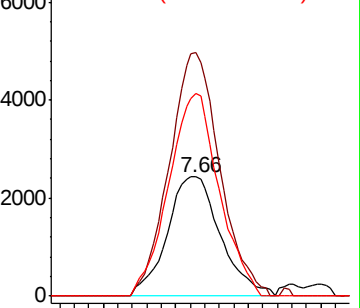
84 169.6 67.4 101.0#

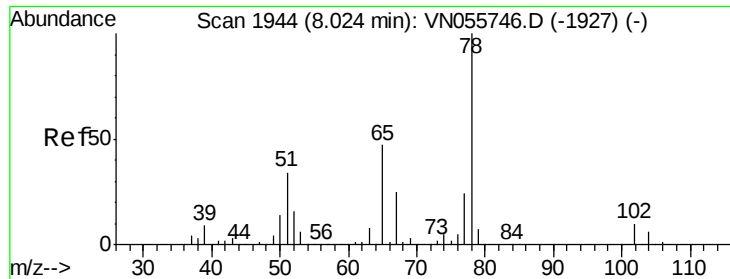


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

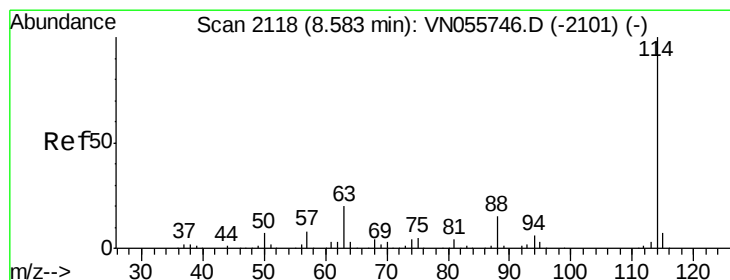
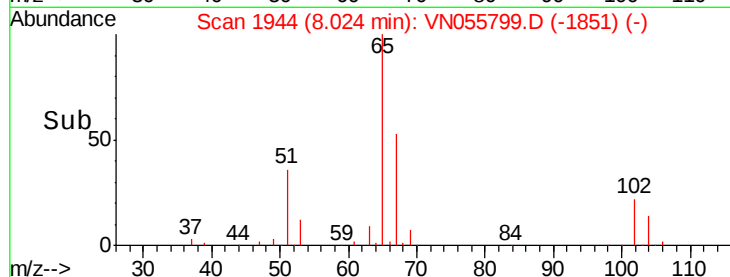
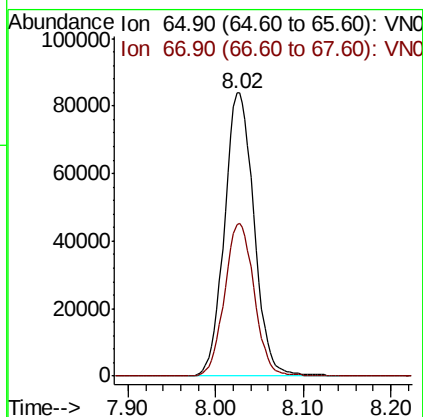
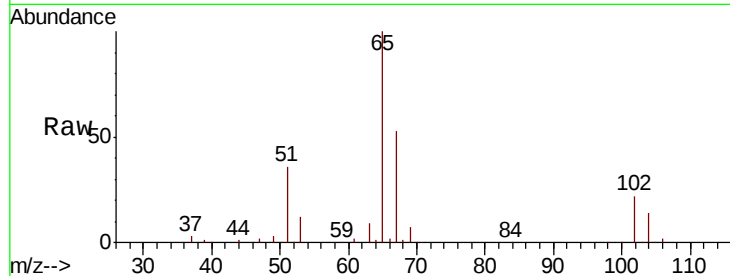




#33
 1,2-Dichloroethane-d4
 Concen: 45.801 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055799.D
 Acq: 24 May 2019 16:33

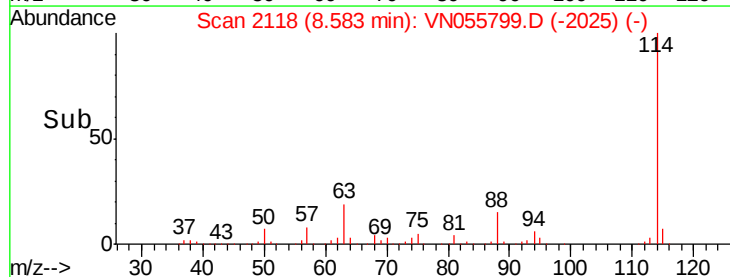
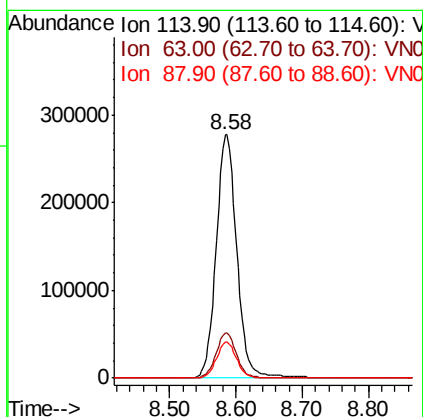
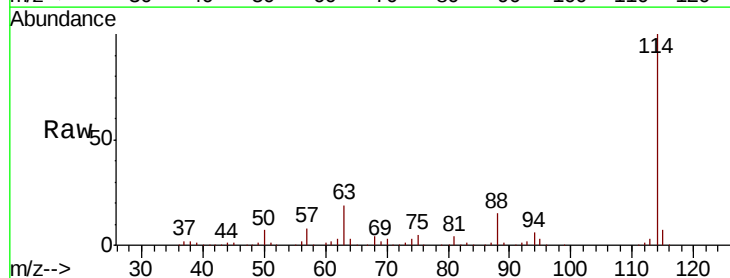
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

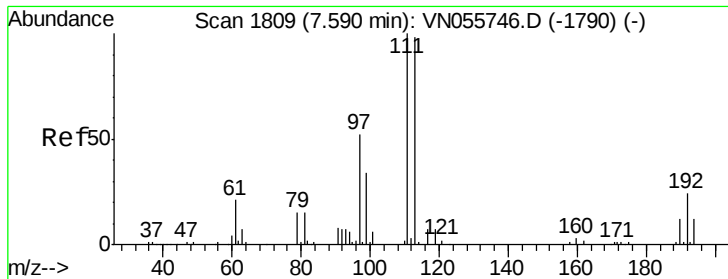
Tot Ion: 65 Resp: 197150
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055799.D
 Acq: 24 May 2019 16:33

Tgt Ion: 114 Resp: 600280
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 39.2
 88 14.8 0.0 31.0





#35

Dibromofluoromethane

Concen: 47.364 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055799.D

Acq: 24 May 2019 16:33

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

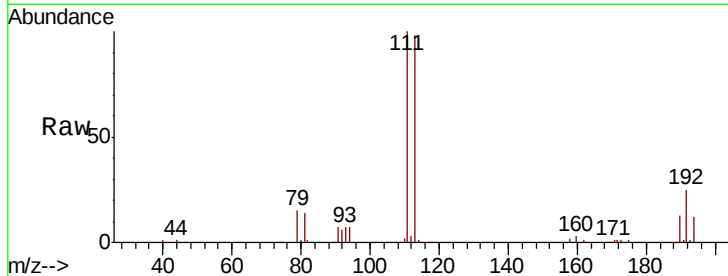
Tot Ion:113 Resp: 179754

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

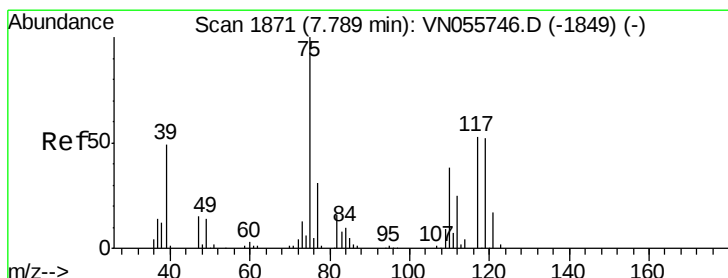
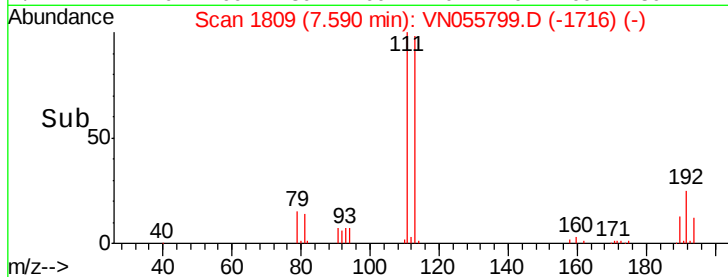
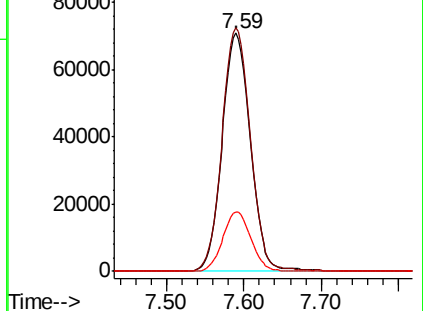
192 24.8 19.5 29.3



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: 4.586 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN055799.D

Acq: 24 May 2019 16:33

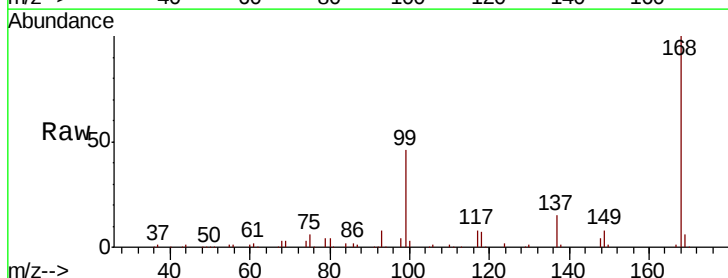
Tgt Ion: 75 Resp: 23991

Ion Ratio Lower Upper

75 100

110 9.5 19.0 57.0#

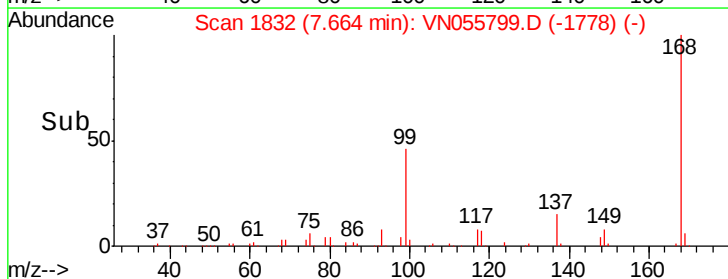
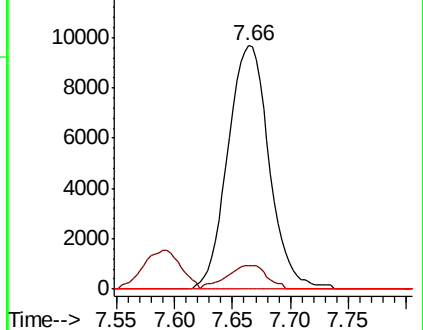
77 0.0 25.1 37.7#

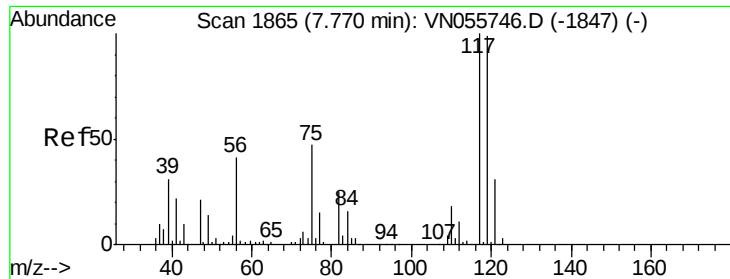


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO

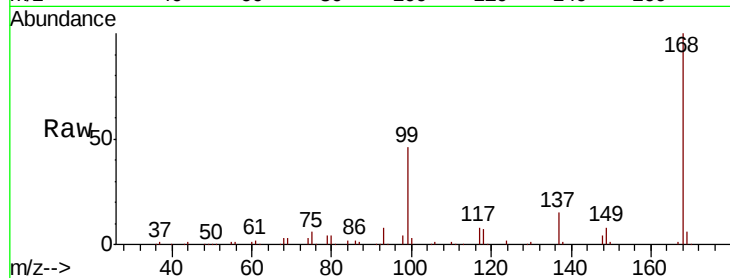




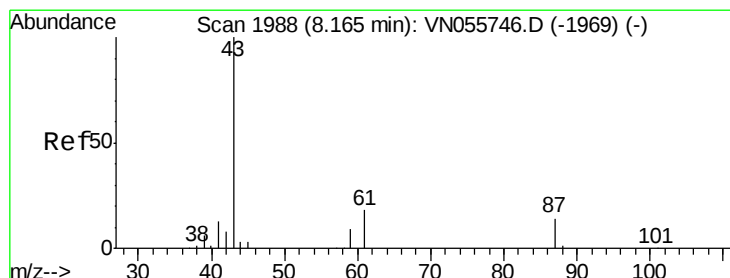
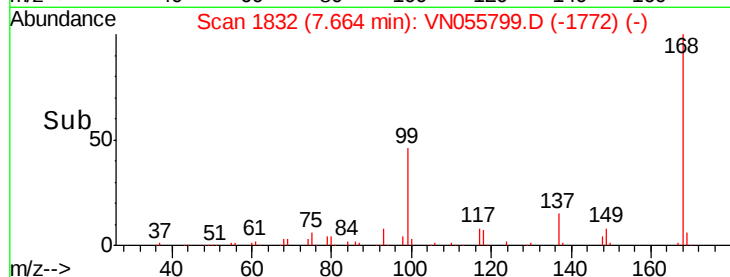
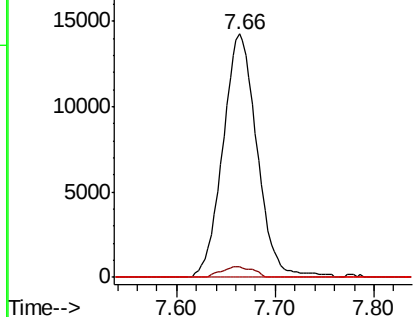
#38
Carbon Tetrachloride
Concen: 6.334 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN055799.D
Acq: 24 May 2019 16:33

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:117 Resp: 34514
Ion Ratio Lower Upper
117 100
119 4.2 79.0 118.6#
121 0.0 24.7 37.1#

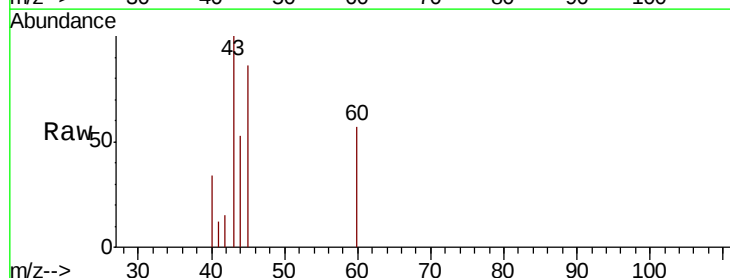


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

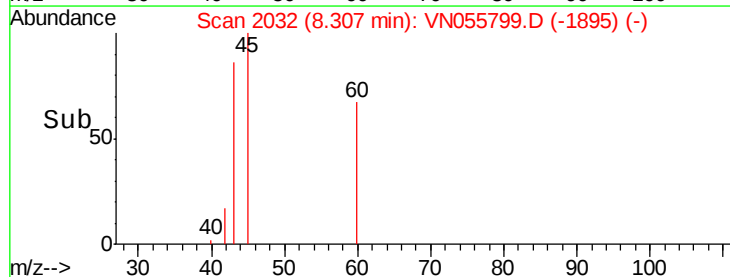
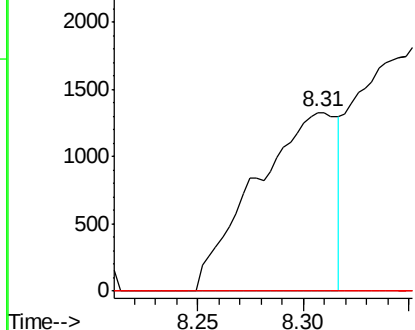


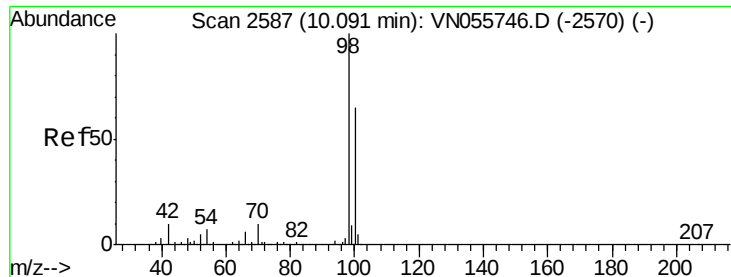
#43
Isopropyl Acetate
Concen: 0.420 ug/l
RT: 8.31 min Scan# 2032
Delta R.T. 0.14 min
Lab File: VN055799.D
Acq: 24 May 2019 16:33

Tgt Ion: 43 Resp: 3565
Ion Ratio Lower Upper
43 100
61 0.0 22.2 33.4#
87 0.0 11.4 17.2#



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





#50

Toluene-d8

Concen: 48.467 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055799.D

Acq: 24 May 2019 16:33

Instrument :

MSVOA_N

ClientSampleId :

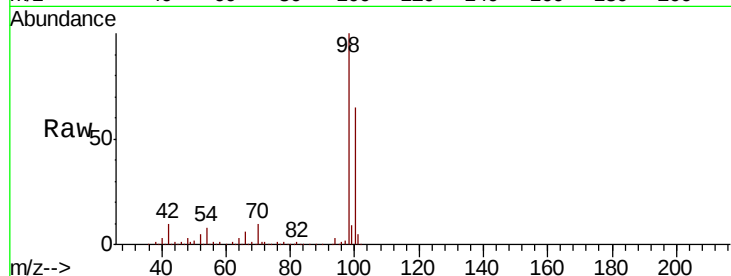
STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 98 Resp: 705575

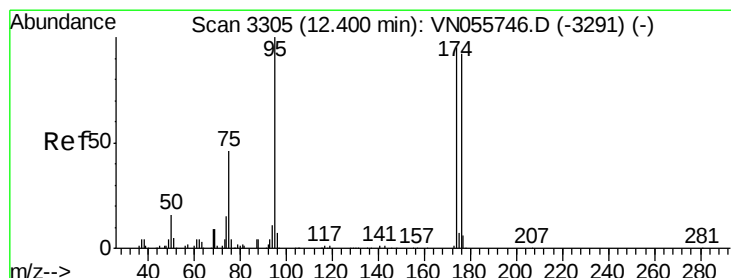
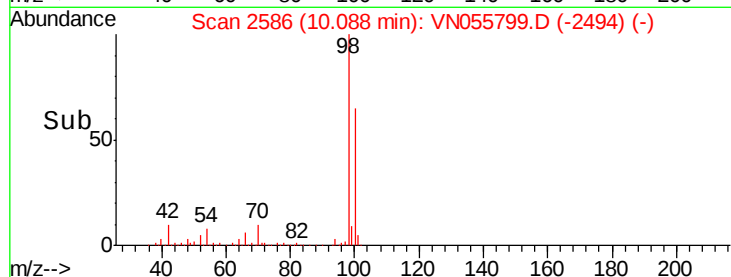
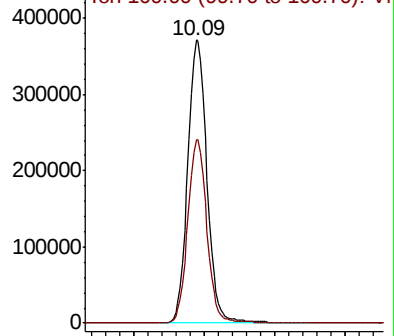
Ion Ratio Lower Upper

98 100

100 64.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055746.D (-2570) (-)



#62

4-Bromofluorobenzene

Concen: 43.933 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055799.D

Acq: 24 May 2019 16:33

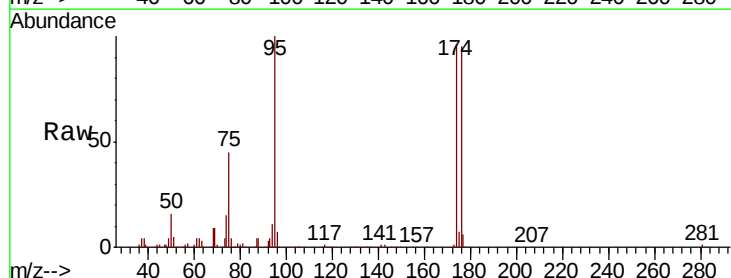
Tgt Ion: 95 Resp: 219302

Ion Ratio Lower Upper

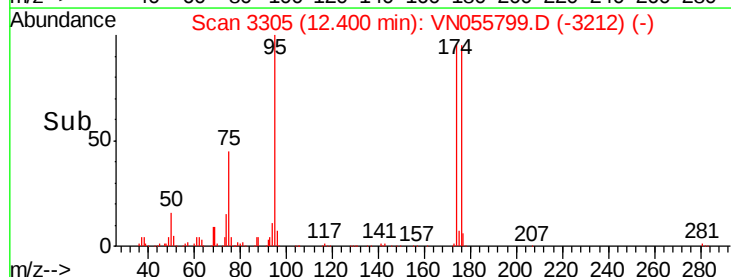
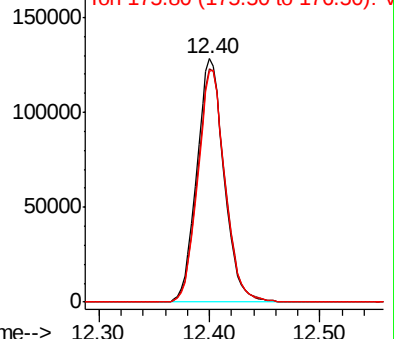
95 100

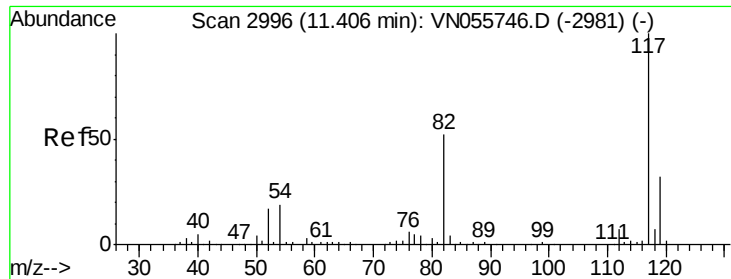
174 96.6 0.0 191.0

176 94.9 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055746.D (-3291) (-)

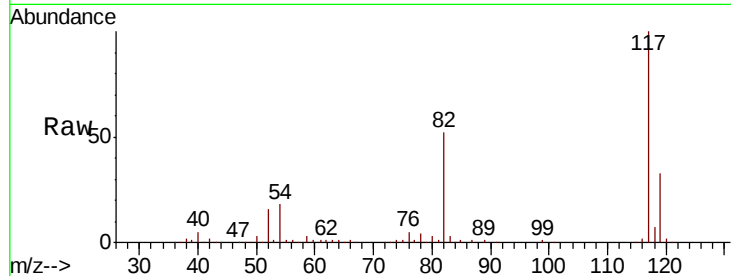




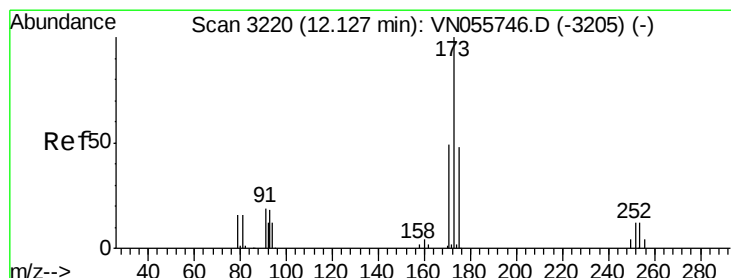
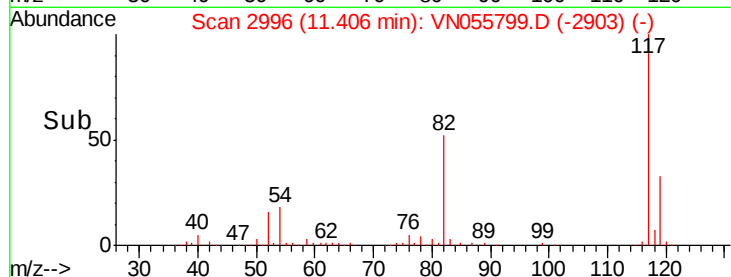
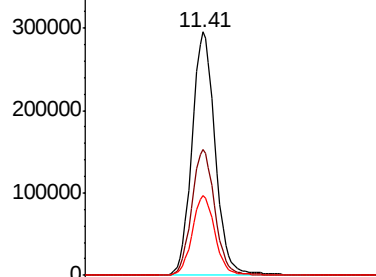
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055799.D
Acq: 24 May 2019 16:33

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

Tot Ion:117 Resp: 531849
Ion Ratio Lower Upper
117 100
82 51.7 41.8 62.8
119 32.6 25.4 38.0

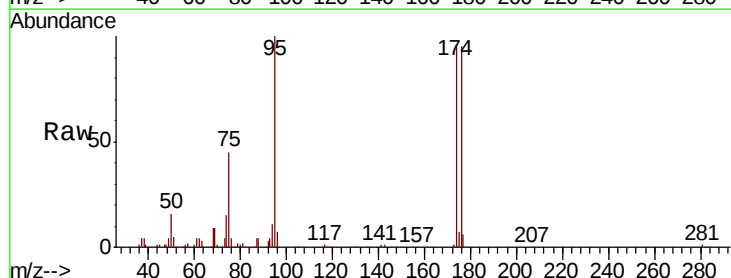


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

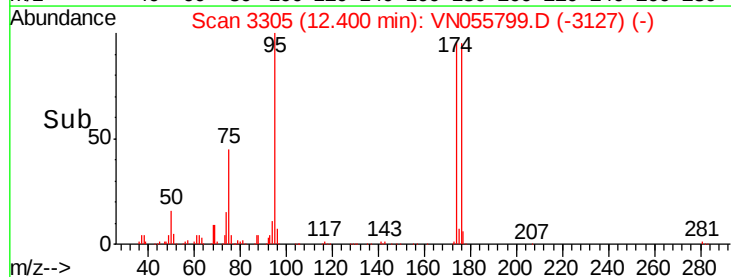
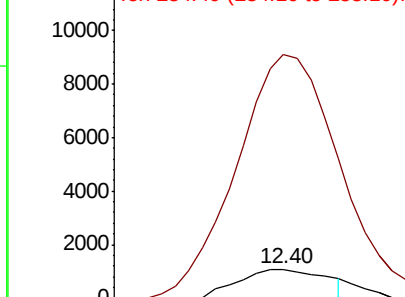


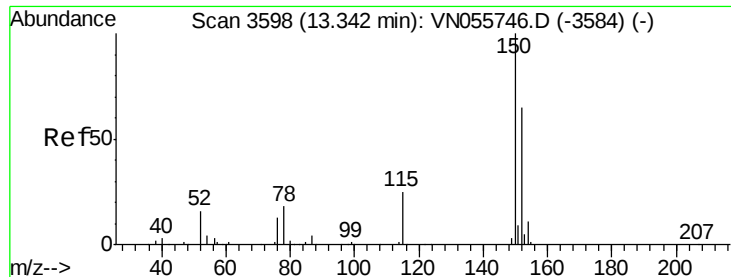
#71
Bromoform
Concen: 0.430 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN055799.D
Acq: 24 May 2019 16:33

Tgt Ion:173 Resp: 1557
Ion Ratio Lower Upper
173 100
175 871.1 24.3 72.8#
254 0.0 0.0 0.0



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055799.D

Acq: 24 May 2019 16:33

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

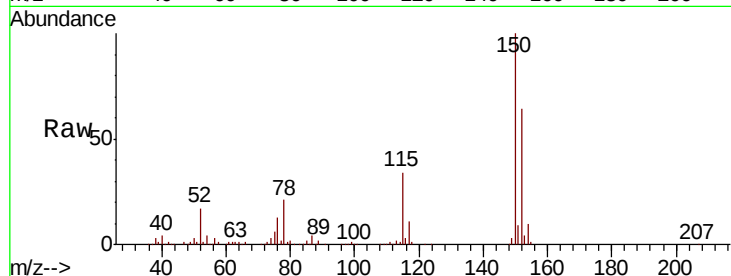
Tot Ion:152 Resp: 175723

Ion Ratio Lower Upper

152 100

115 52.8 27.0 81.0

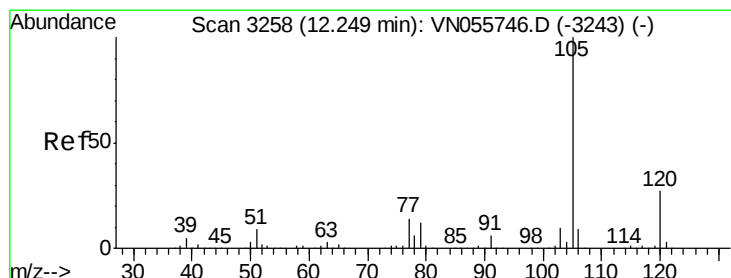
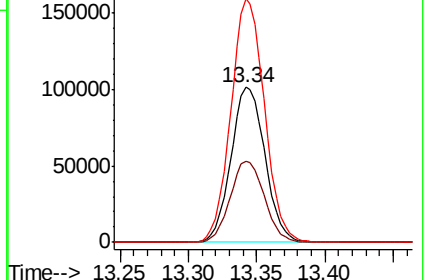
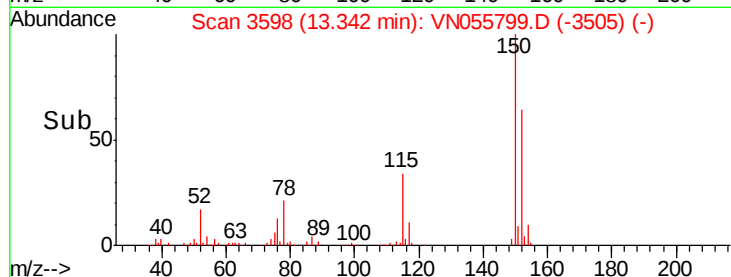
150 154.8 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055799.D

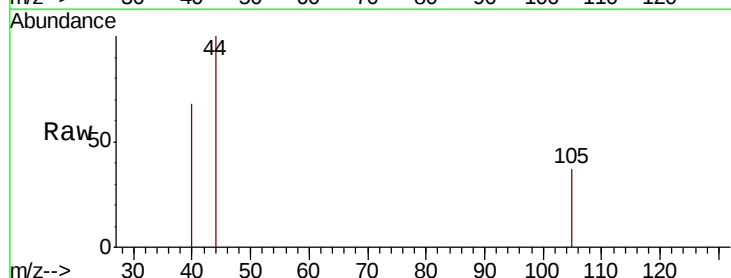
Acq: 24 May 2019 16:33

Tgt Ion:105 Resp: 322

Ion Ratio Lower Upper

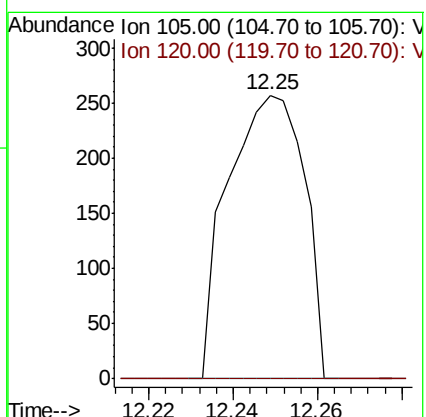
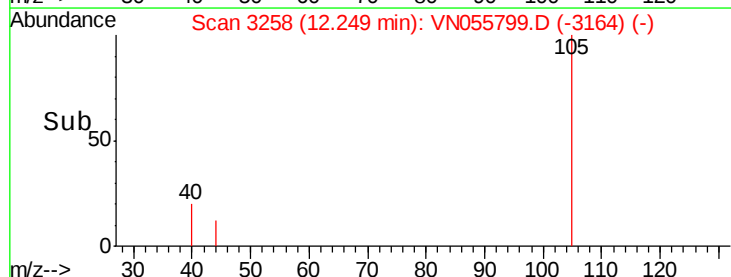
105 100

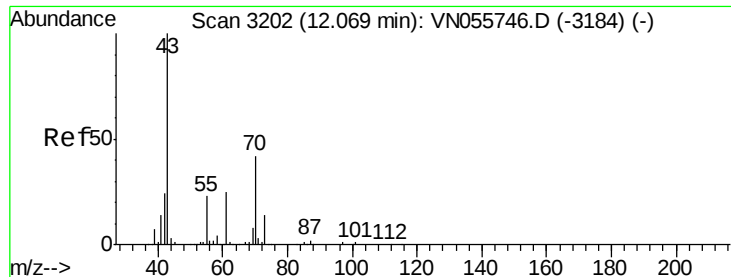
120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: Below Cal

RT: 12.08 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN055799.D

Acq: 24 May 2019 16:33

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANA

Tot Ion: 43 Resp: 30

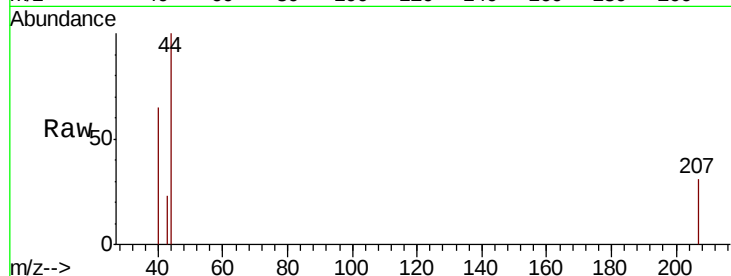
Ion Ratio Lower Upper

43 100

70 0.0 34.0 51.0#

55 0.0 18.6 28.0#

61 0.0 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

200

150

100

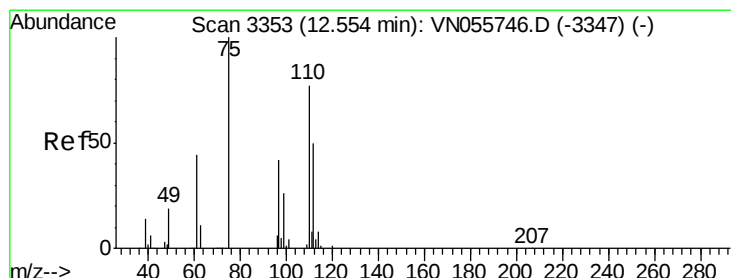
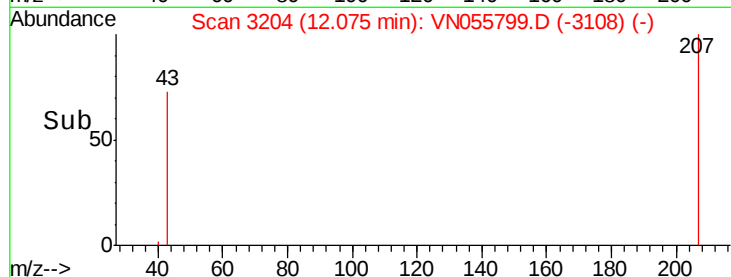
50

0

12.07

12.08

Time-->



#76

1,2,3-Trichloropropane

Concen: 32.223 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055799.D

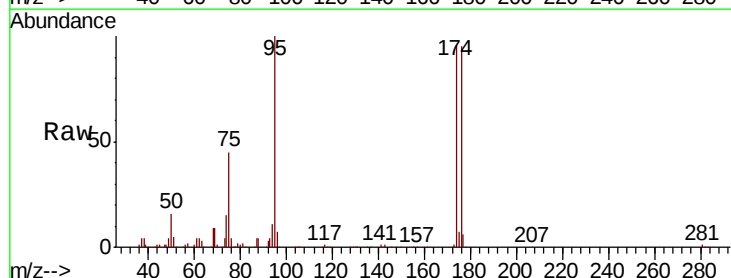
Acq: 24 May 2019 16:33

Tgt Ion: 75 Resp: 100888

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

60000

40000

20000

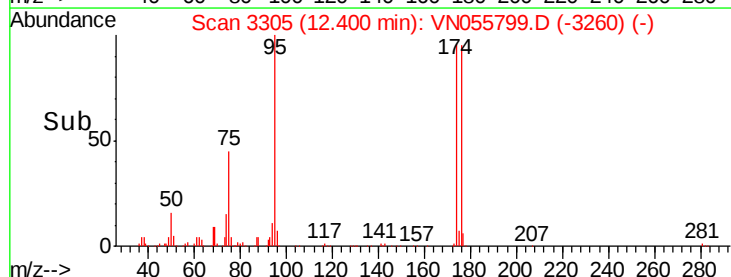
0

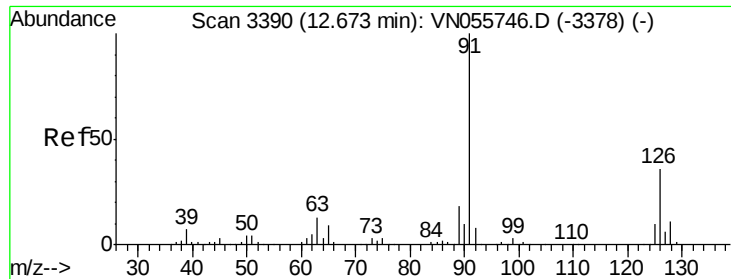
12.35

12.40

12.45

Time-->

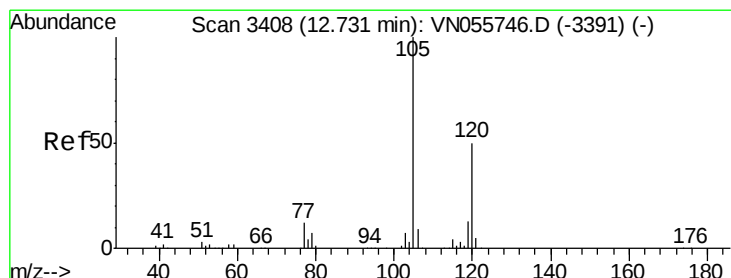
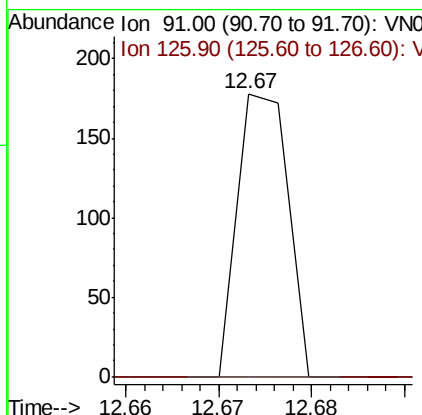
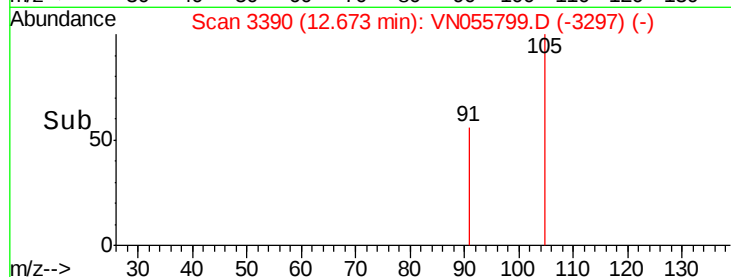
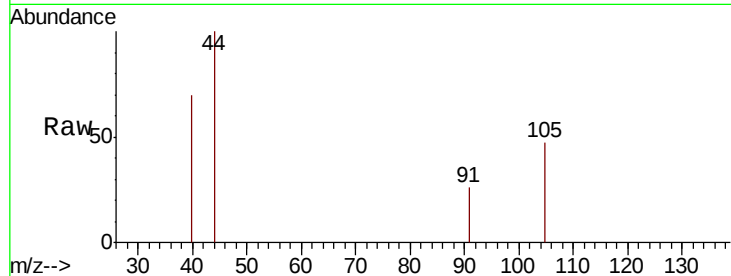




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055799.D
 Acq: 24 May 2019 16:33

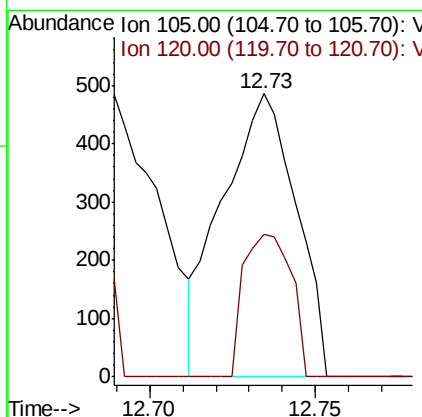
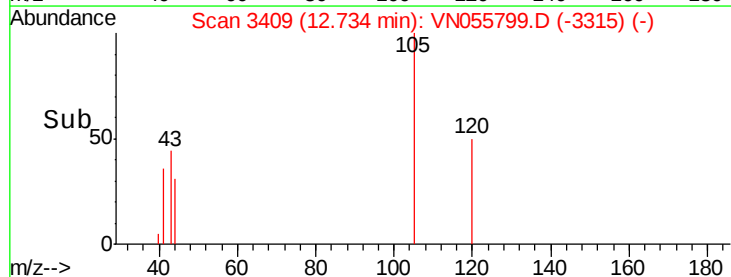
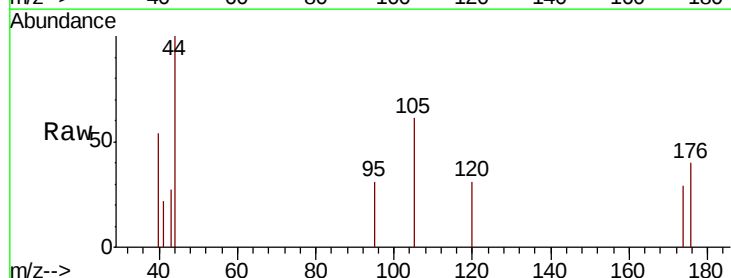
Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

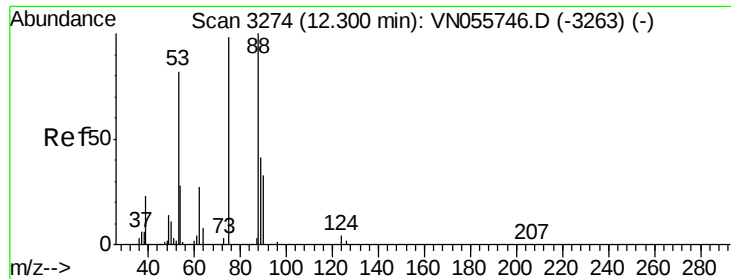
Tot Ion: 91 Resp: 68
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.1 54.4#



#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN055799.D
 Acq: 24 May 2019 16:33

Tgt Ion: 105 Resp: 754
 Ion Ratio Lower Upper
 105 100
 120 32.2 24.7 74.1

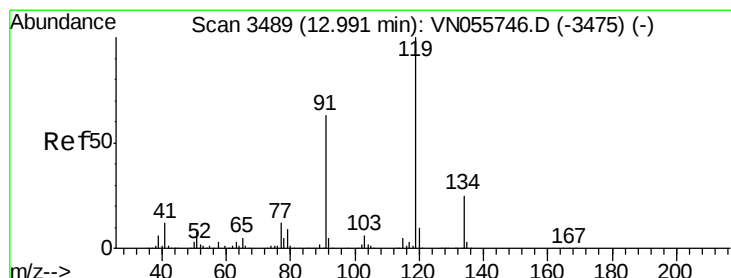
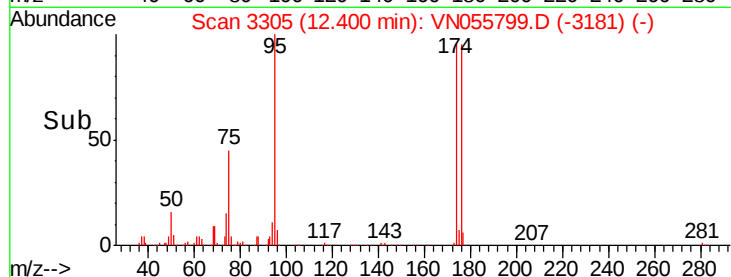
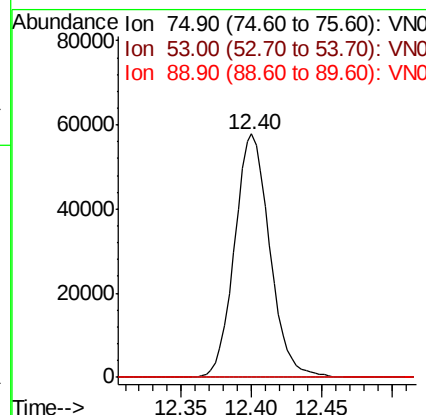
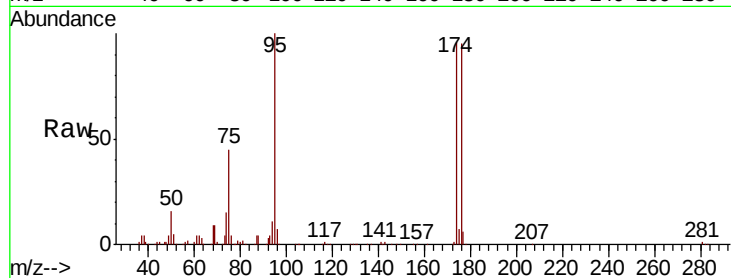




#81
trans-1,4-Dichloro-2-butene
Concen: 77.248 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN055799.D
Acq: 24 May 2019 16:33

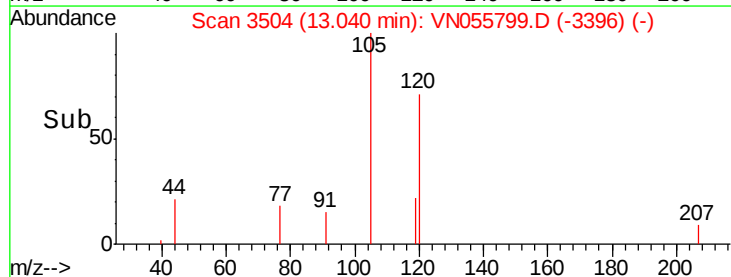
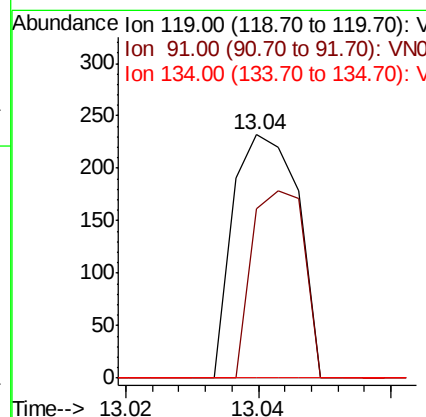
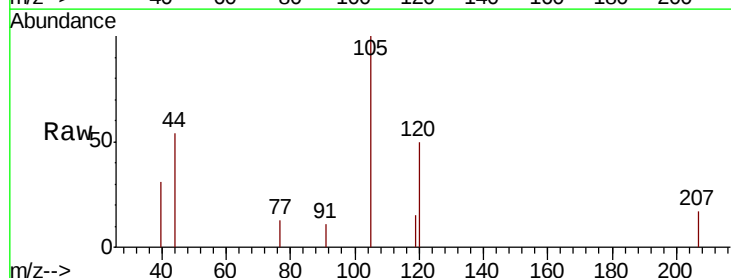
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANA

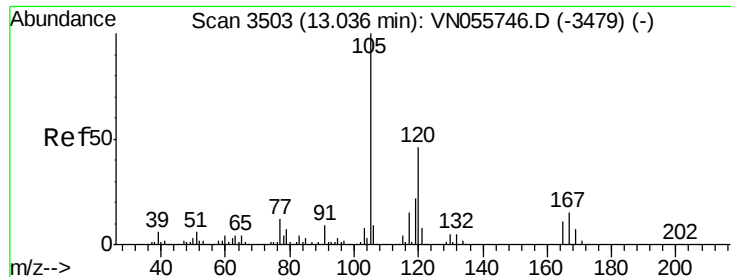
Tot Ion: 75 Resp: 100888
Ion Ratio Lower Upper
75 100
53 0.0 68.1 102.1#
89 0.0 36.9 55.3#



#83
tert-Butylbenzene
Concen: Below Cal
RT: 13.04 min Scan# 3504
Delta R.T. 0.05 min
Lab File: VN055799.D
Acq: 24 May 2019 16:33

Tgt Ion: 119 Resp: 159
Ion Ratio Lower Upper
119 100
91 62.3 30.9 92.8
134 0.0 13.3 39.8#

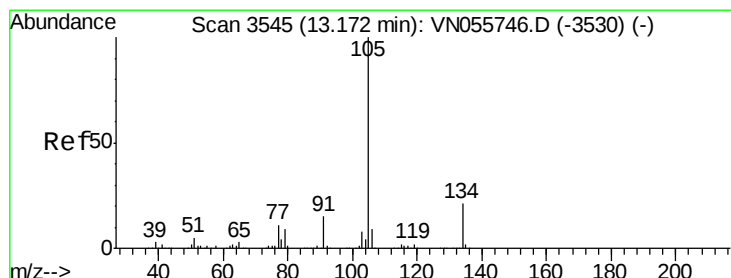
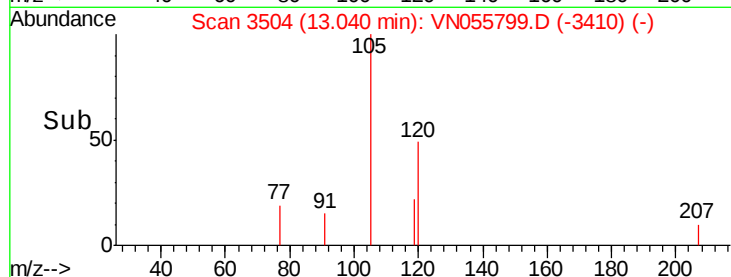
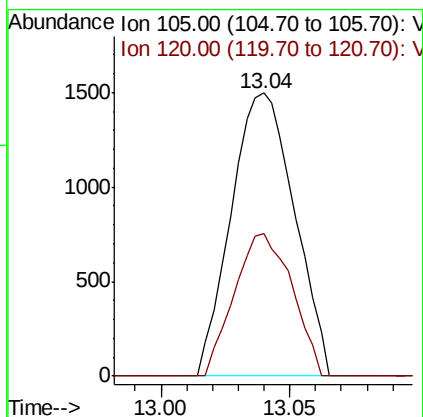
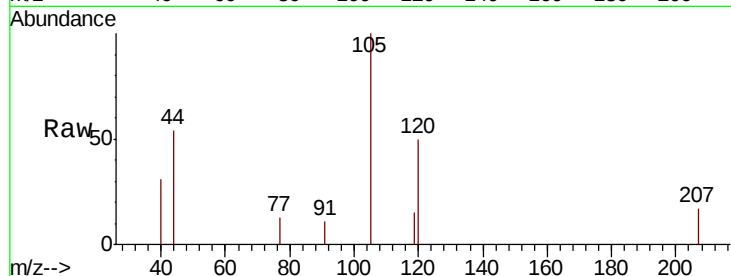




#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055799.D
 Acq: 24 May 2019 16:33

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANA

Tot Ion:105 Resp: 2556
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.0 69.0



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055799.D
 Acq: 24 May 2019 16:33

Tgt Ion:105 Resp: 142
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.2#

