

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055818.D
 Acq On : 25 May 2019 1:19
 Operator : JC/SP
 Sample : K3022-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Quant Time: May 25 04:33:13 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	459063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	642540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	576420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	198490	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	211115	44.53	ug/l	0.00
Spiked Amount			Recovery	=	89.06%	
35) Dibromofluoromethane	7.59	113	191437	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	
50) Toluene-d8	10.09	98	748985	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
62) 4-Bromofluorobenzene	12.40	95	240751	45.06	ug/l	0.00
Spiked Amount			Recovery	=	90.12%	

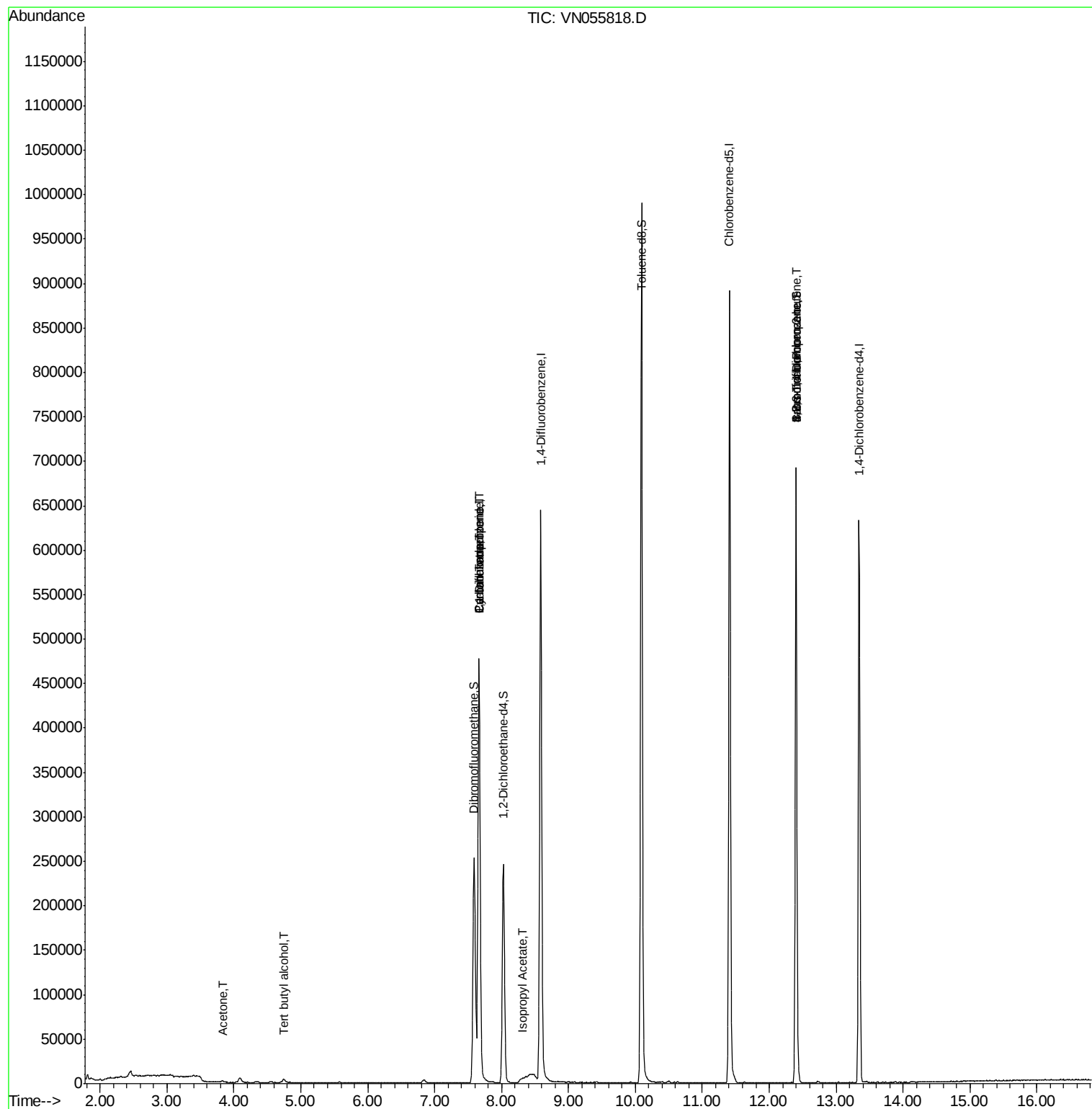
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	1431	1.580	ug/l #	74
16) Acetone	3.82	43	3944	1.893	ug/l	91
18) Methyl Acetate	4.33	43	2727	Below Cal	#	75
31) Cyclohexane	7.66	56	6253	0.879	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	25821	4.611	ug/l #	47
38) Carbon Tetrachloride	7.66	117	36854	6.319	ug/l #	15
43) Isopropyl Acetate	8.31	43	6652	0.732	ug/l #	53
71) Bromoform	12.40	173	1522	0.388	ug/l #	1
73) Isopropylbenzene	12.40	105	101	Below Cal	#	48
74) N-amyl acetate	12.06	43	177	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.40	75	111793	31.547	ug/l #	100
79) 2-Chlorotoluene	12.59	91	341	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	219	Below Cal	#	28
81) trans-1,4-Dichloro-2-buten	12.40	75	111793	75.780	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	586	Below Cal	#	63
85) sec-Butylbenzene	13.17	105	199	Below Cal	#	55

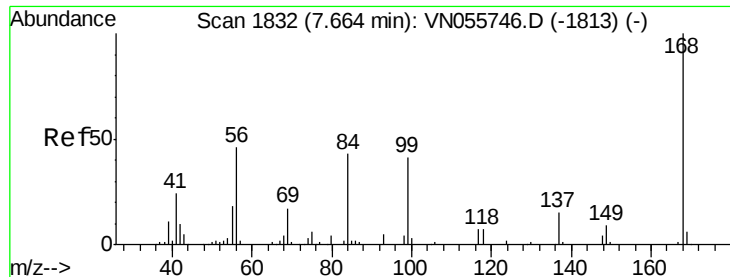
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052419\
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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: VN055818.D

Acq: 25 May 2019 1:19

Instrument :

MSVOA_N

ClientSampled :

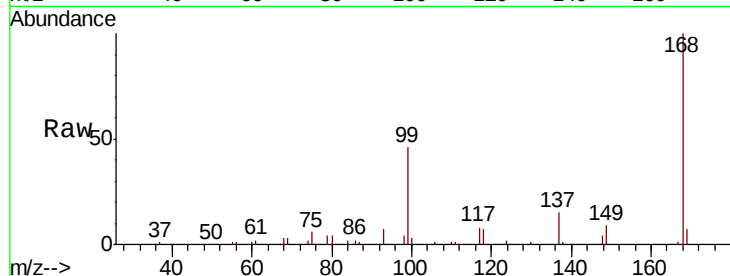
MW-3

Tot Ion:168 Resp: 459063

Ion Ratio Lower Upper

168 100

99 45.7 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

200000

150000

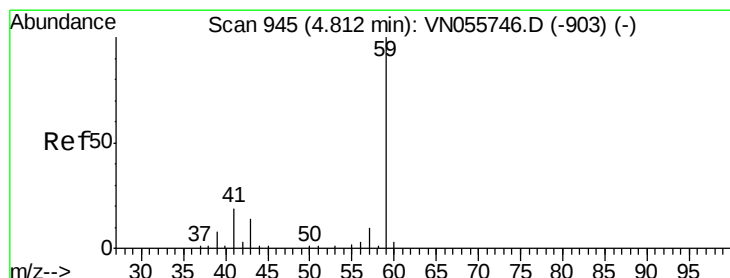
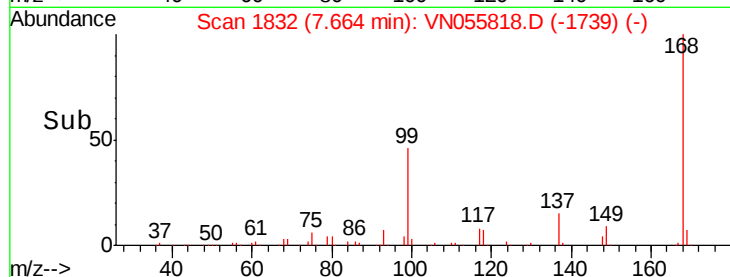
100000

50000

0

7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 1.580 ug/l

RT: 4.73 min Scan# 921

Delta R.T. -0.08 min

Lab File: VN055818.D

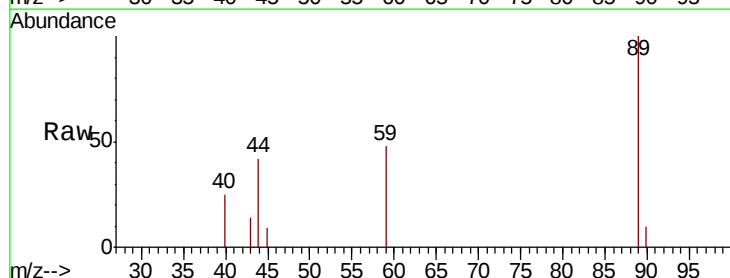
Acq: 25 May 2019 1:19

Tgt Ion: 59 Resp: 1431

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.73

1000

800

600

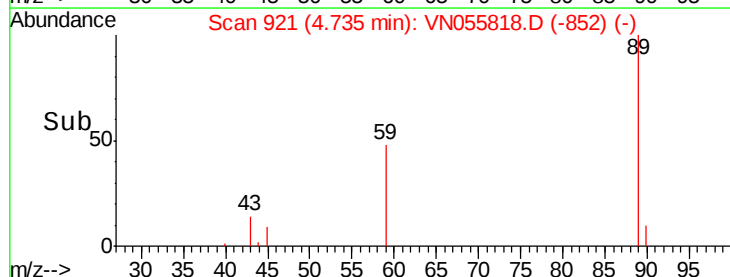
400

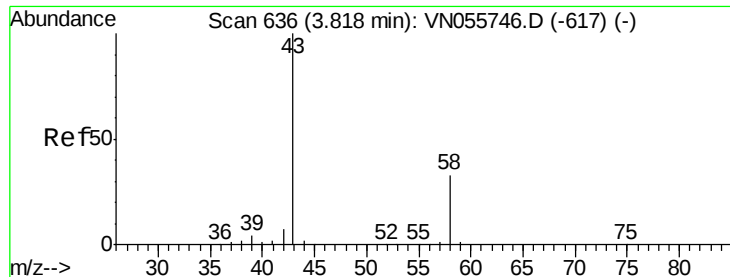
200

0

4.68 4.70 4.72 4.74

Time-->





#16

Acetone

Concen: 1.893 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055818.D

Acq: 25 May 2019 1:19

Instrument :

MSVOA_N

ClientSampled :

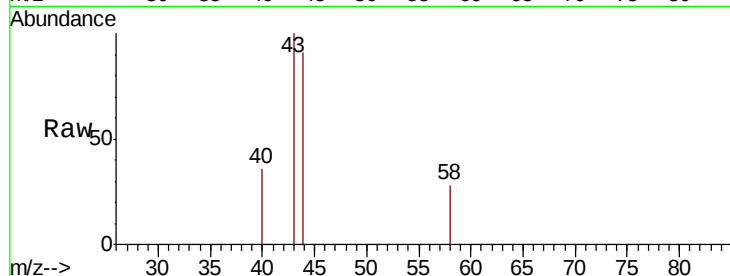
MW-3

Tot Ion: 43 Resp: 3944

Ion Ratio Lower Upper

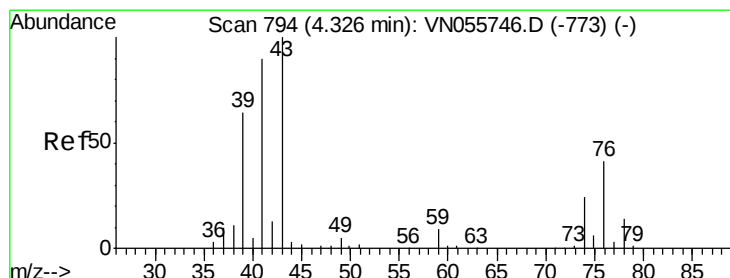
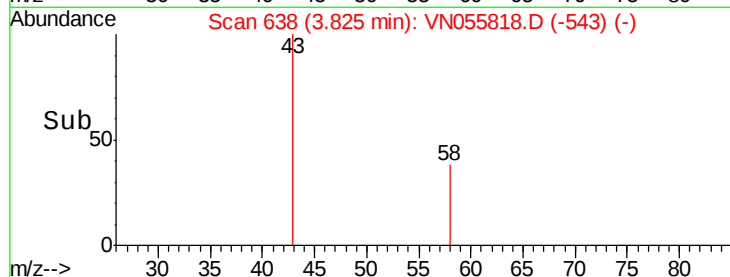
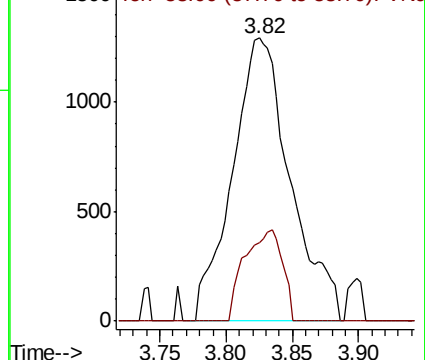
43 100

58 27.9 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: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN055818.D

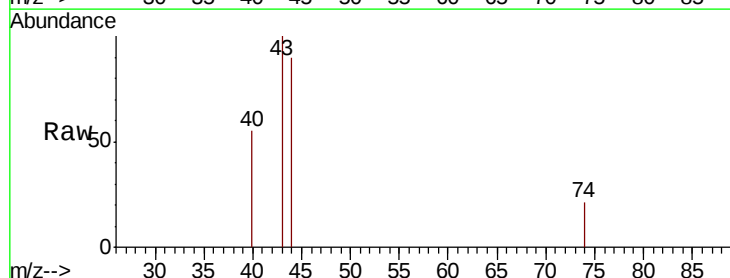
Acq: 25 May 2019 1:19

Tgt Ion: 43 Resp: 2727

Ion Ratio Lower Upper

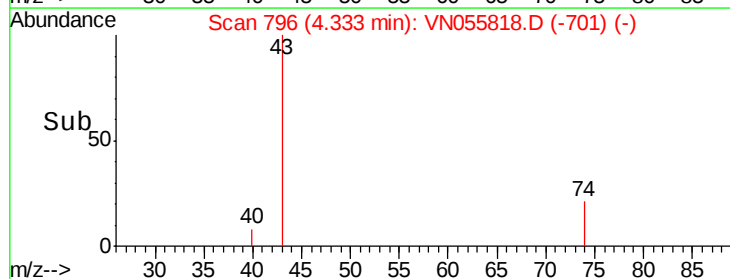
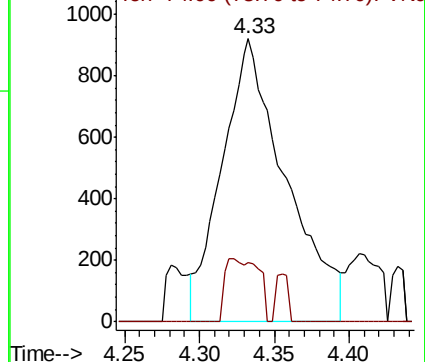
43 100

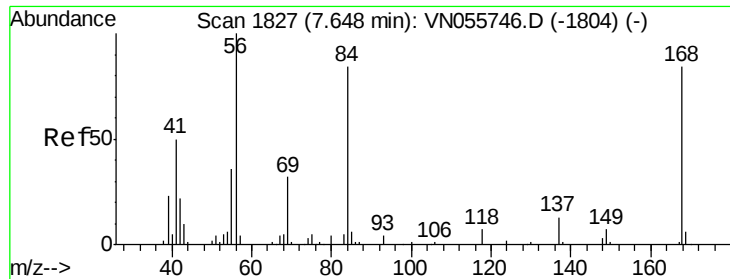
74 11.8 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

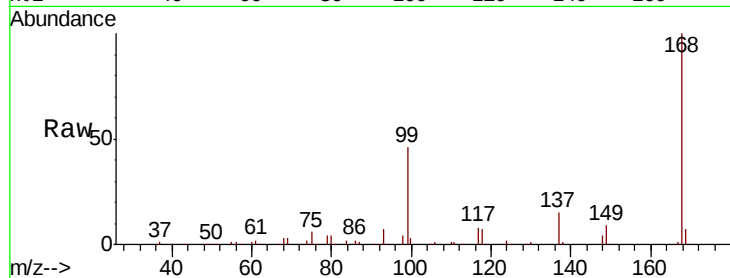




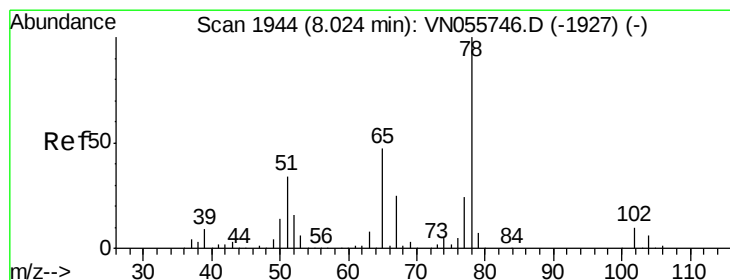
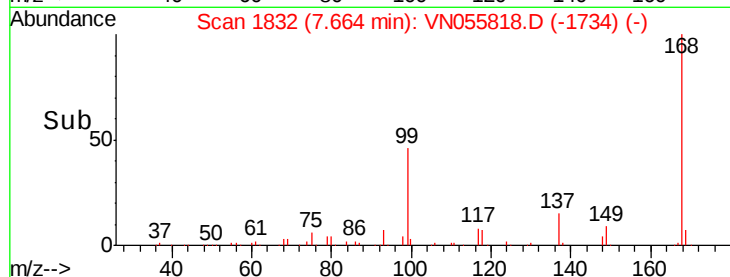
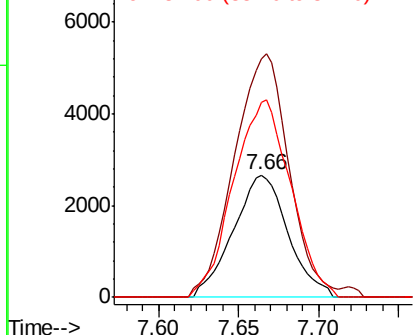
#31
Cyclohexane
Concen: 0.879 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN055818.D
Acq: 25 May 2019 1:19

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tot Ion: 56 Resp: 6253
Ion Ratio Lower Upper
56 100
69 194.3 25.6 38.4#
84 158.5 67.4 101.0#

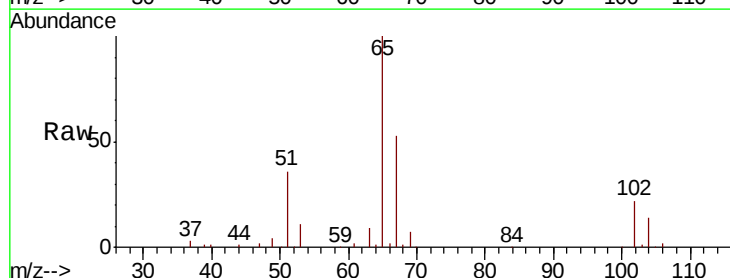


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

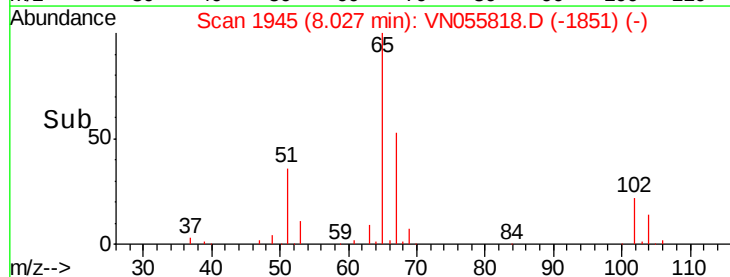
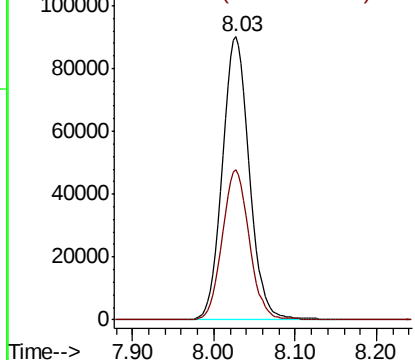


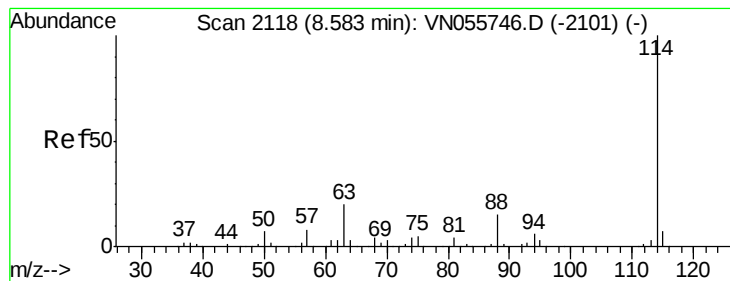
#33
1,2-Dichloroethane-d4
Concen: 44.531 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055818.D
Acq: 25 May 2019 1:19

Tgt Ion: 65 Resp: 211115
Ion Ratio Lower Upper
65 100
67 53.2 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055818.D

Acq: 25 May 2019 1:19

Instrument :

MSVOA_N

ClientSampleId :

MW-3

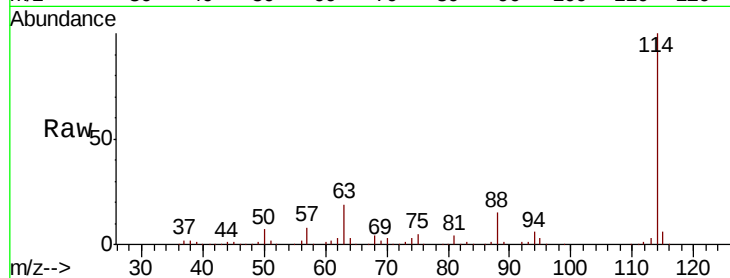
Tot Ion:114 Resp: 642540

Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.2

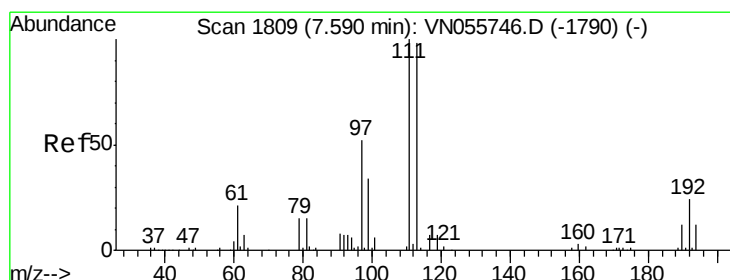
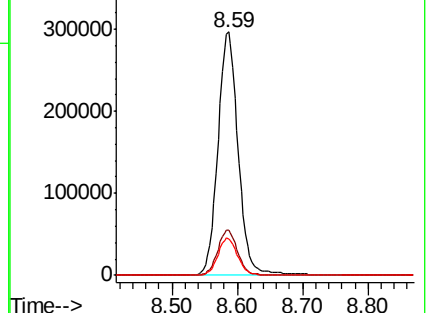
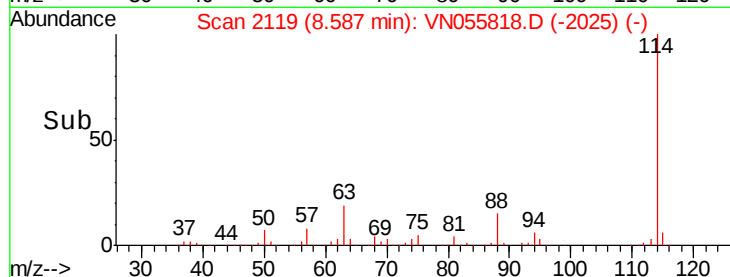
88 15.1 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 47.125 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055818.D

Acq: 25 May 2019 1:19

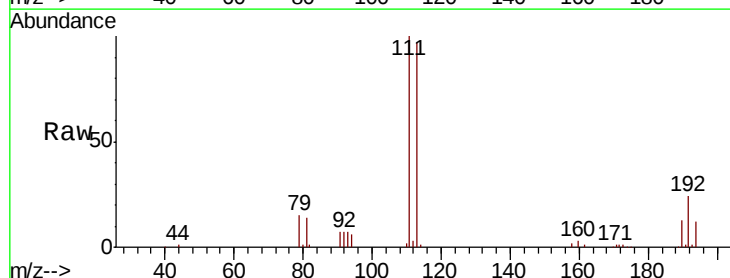
Tgt Ion:113 Resp: 191437

Ion Ratio Lower Upper

113 100

111 102.9 81.9 122.9

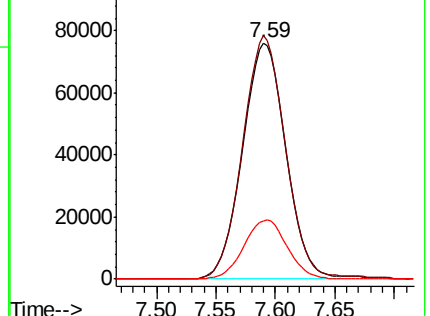
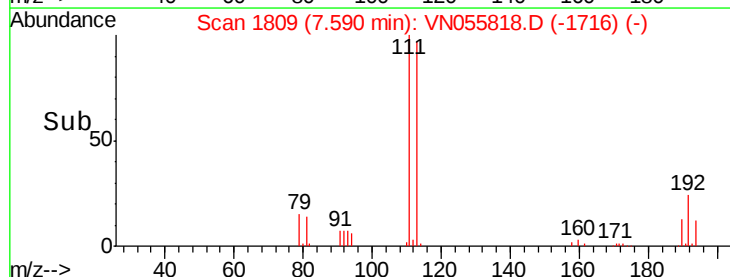
192 25.1 19.5 29.3

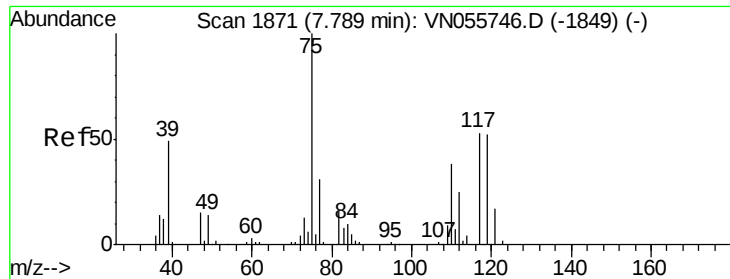


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.611 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN055818.D

Acq: 25 May 2019 1:19

Instrument :

MSVOA_N

ClientSampled :

MW-3

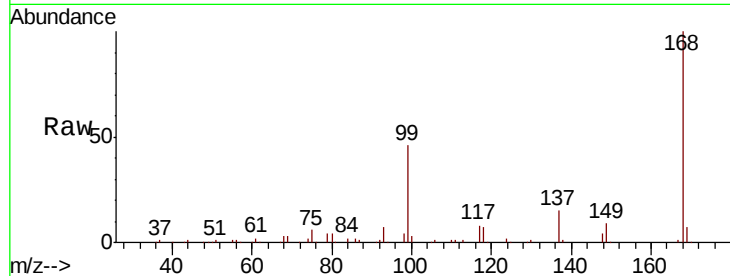
Tot Ion: 75 Resp: 25821

Ion Ratio Lower Upper

75 100

110 8.0 19.0 57.0#

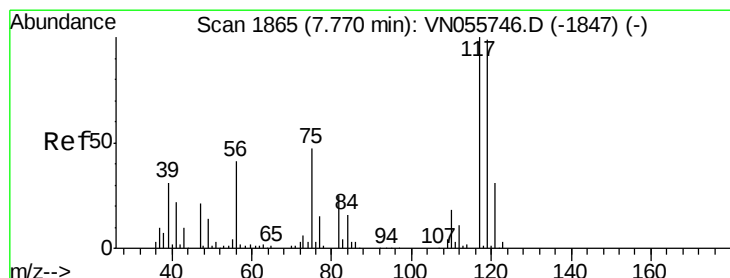
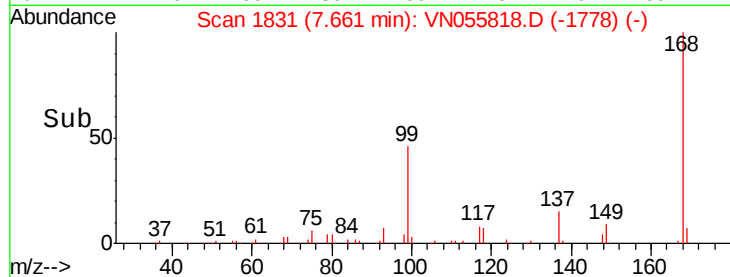
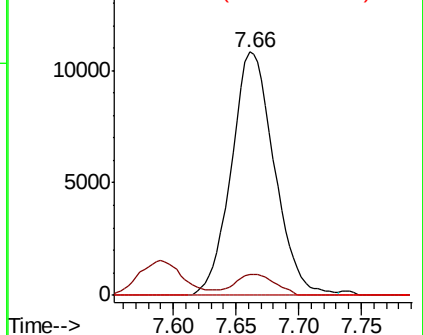
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN055818.D (-1778) (-)

Ion 109.90 (109.60 to 110.60): VN055818.D (-1778) (-)

Ion 76.90 (76.60 to 77.60): VN055818.D (-1778) (-)



#38

Carbon Tetrachloride

Concen: 6.319 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055818.D

Acq: 25 May 2019 1:19

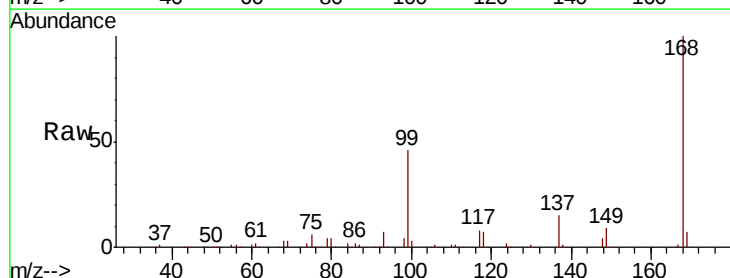
Tgt Ion: 117 Resp: 36854

Ion Ratio Lower Upper

117 100

119 5.3 79.0 118.6#

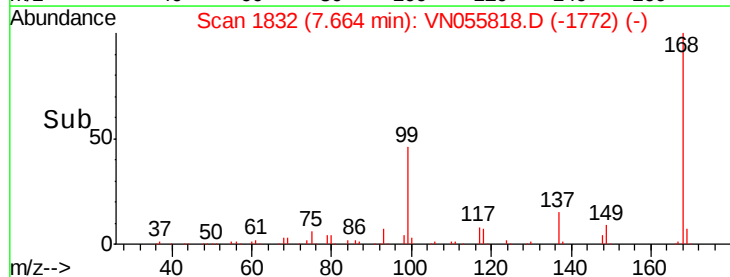
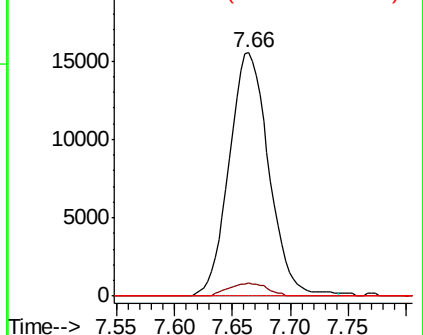
121 0.0 24.7 37.1#

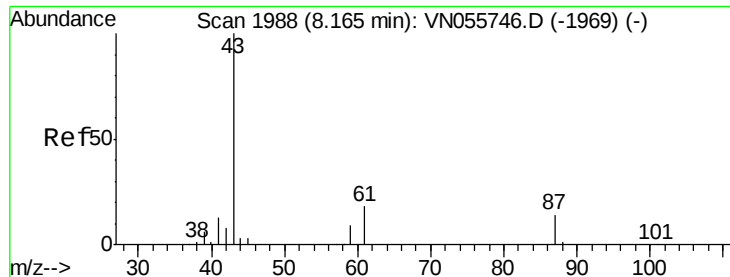


Abundance Ion 116.80 (116.50 to 117.50): VN055818.D (-1772) (-)

Ion 118.80 (118.50 to 119.50): VN055818.D (-1772) (-)

Ion 120.80 (120.50 to 121.50): VN055818.D (-1772) (-)





#43

Isopropyl Acetate

Concen: 0.732 ug/l

RT: 8.31 min Scan# 2034

Delta R.T. 0.15 min

Lab File: VN055818.D

Acq: 25 May 2019 1:19

Instrument :

MSVOA_N

ClientSampled :

MW-3

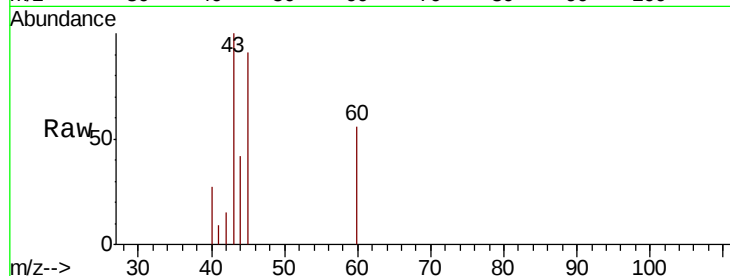
Tot Ion: 43 Resp: 6652

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

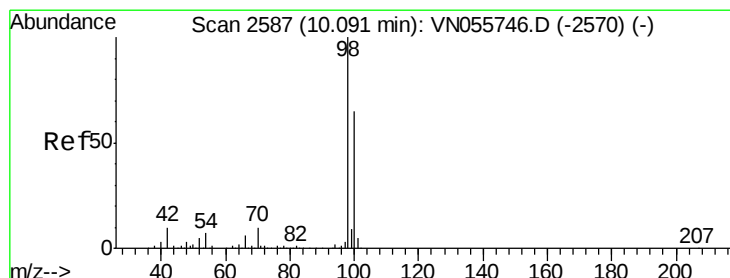
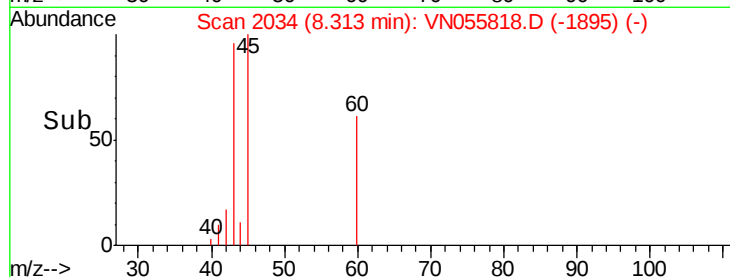
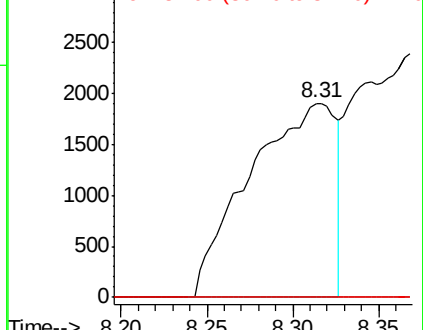
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 48.065 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055818.D

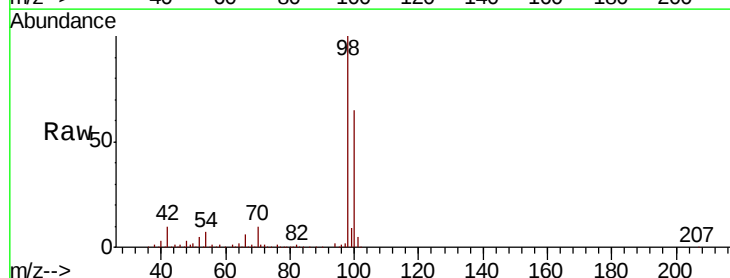
Acq: 25 May 2019 1:19

Tgt Ion: 98 Resp: 748985

Ion Ratio Lower Upper

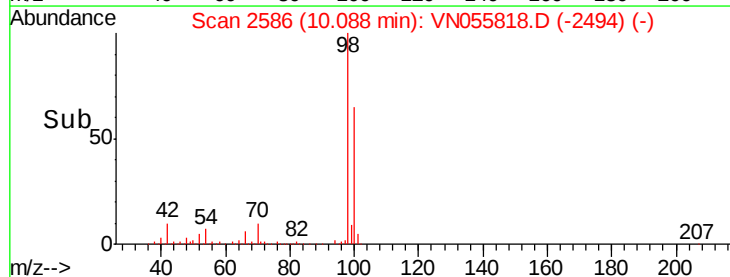
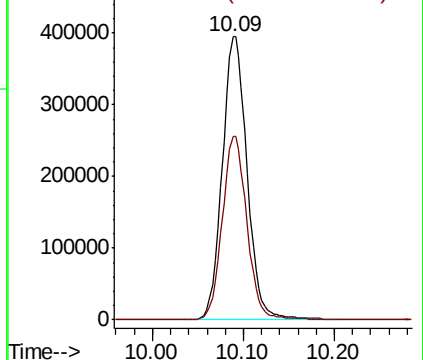
98 100

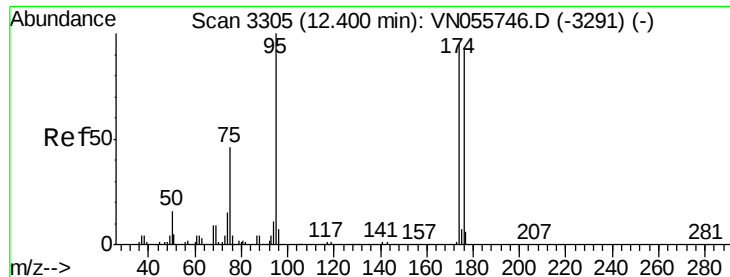
100 64.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 45.058 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055818.D

Acq: 25 May 2019 1:19

Instrument :

MSVOA_N

ClientSampleId :

MW-3

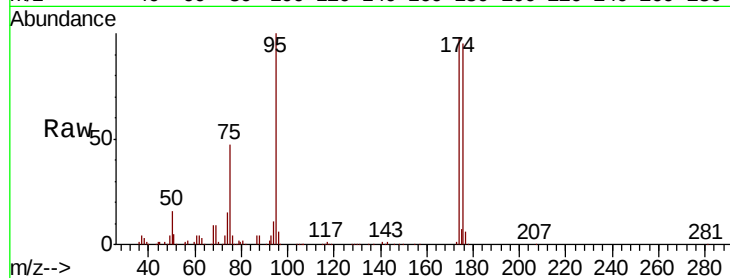
Tot Ion: 95 Resp: 240751

Ion Ratio Lower Upper

95 100

174 98.3 0.0 191.0

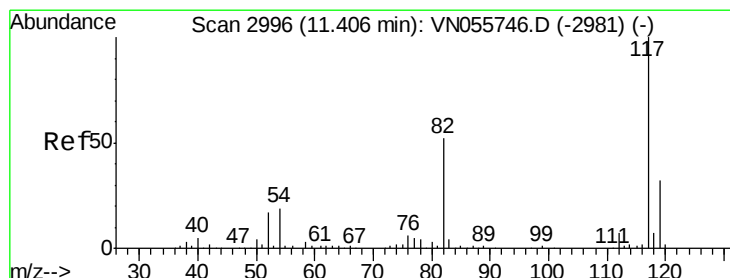
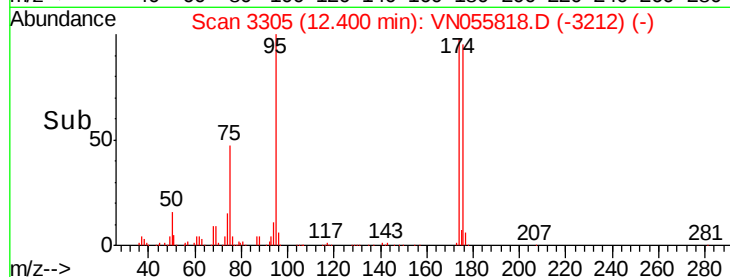
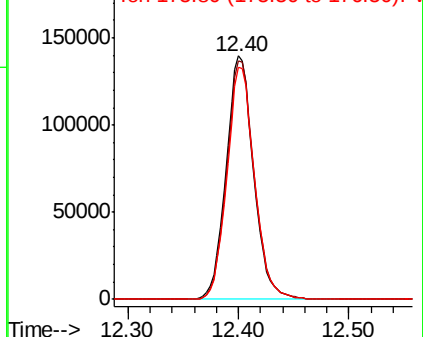
176 95.6 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055818.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN055818.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN055818.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055818.D

Acq: 25 May 2019 1:19

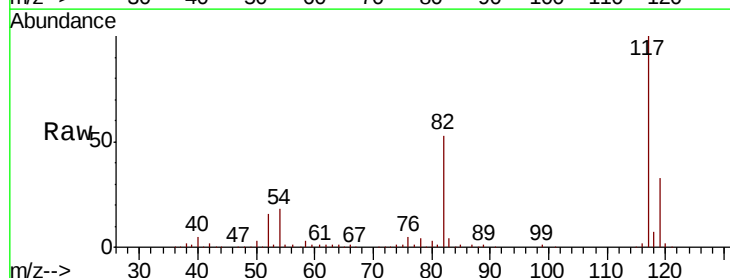
Tgt Ion: 117 Resp: 576420

Ion Ratio Lower Upper

117 100

82 53.1 41.8 62.8

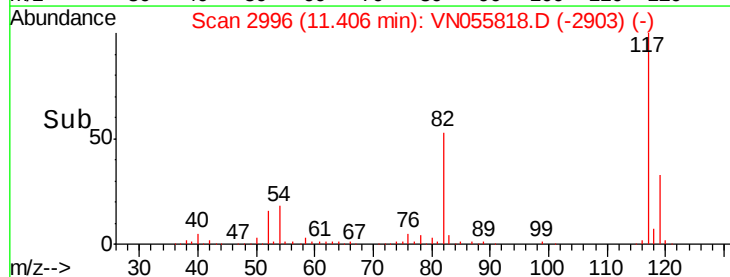
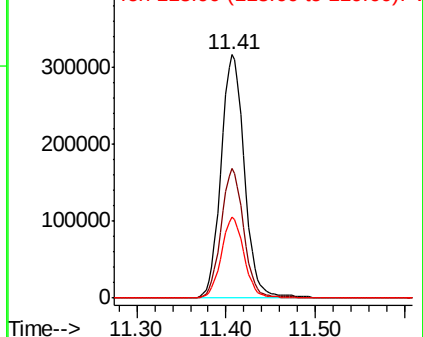
119 33.1 25.4 38.0

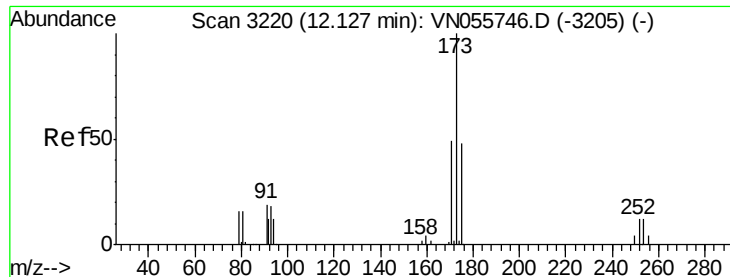


Abundance Ion 116.90 (116.60 to 117.60): VN055818.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN055818.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN055818.D (-2903) (-)

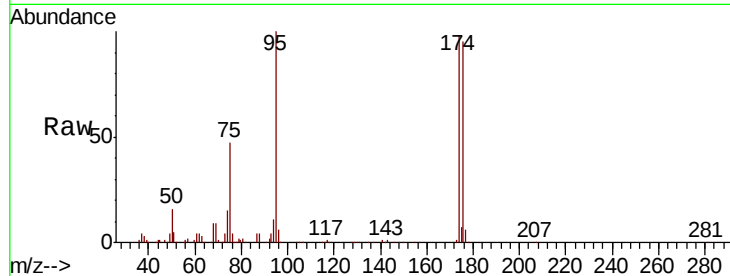




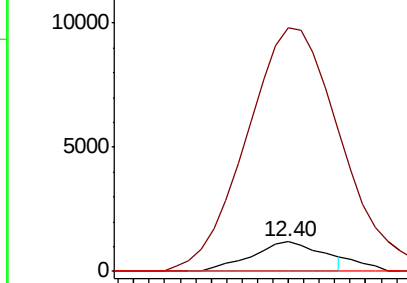
#71
Bromoform
Concen: 0.388 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN055818.D
Acq: 25 May 2019 1:19

Instrument :
MSVOA_N
ClientSampled :
MW-3

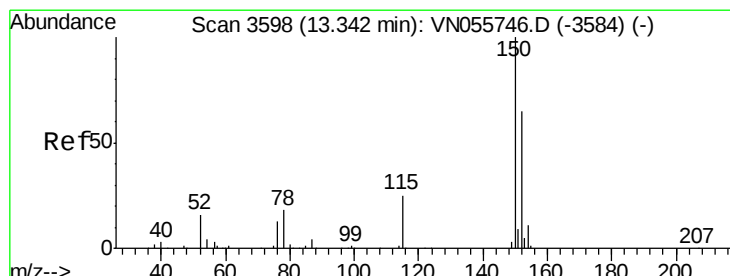
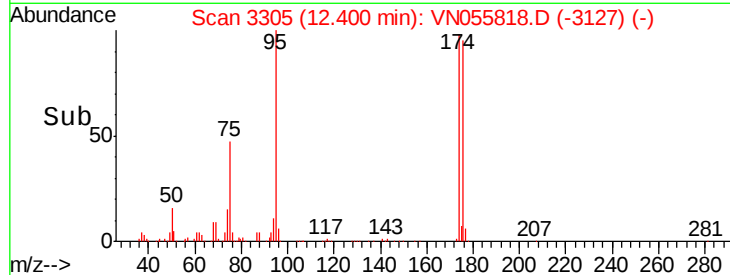
Tot Ion:173 Resp: 1522
Ion Ratio Lower Upper
173 100
175 947.1 24.3 72.8#
254 0.0 0.0 0.0



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

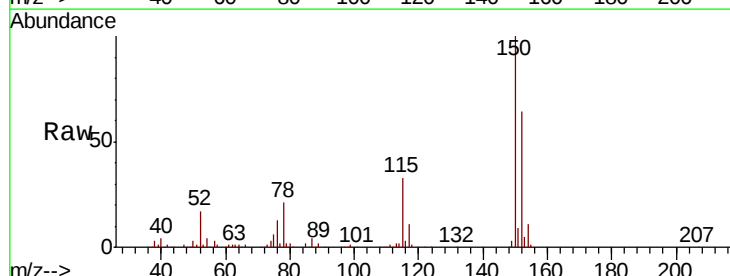


Time-->

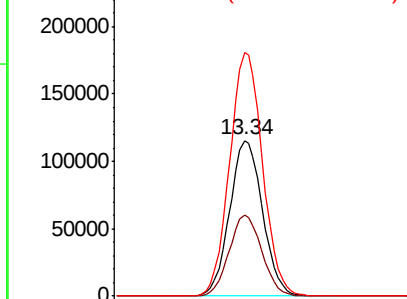


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055818.D
Acq: 25 May 2019 1:19

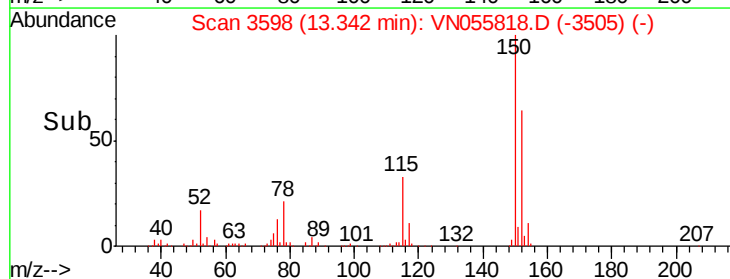
Tgt Ion:152 Resp: 198490
Ion Ratio Lower Upper
152 100
115 52.0 27.0 81.0
150 156.8 0.0 343.2

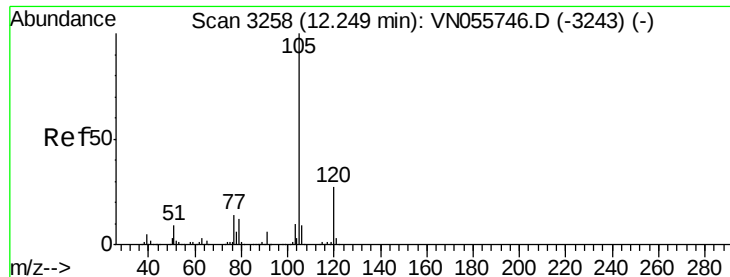


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



Time-->





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. 0.15 min

Lab File: VN055818.D

Acq: 25 May 2019 1:19

Instrument :

MSVOA_N

ClientSampled :

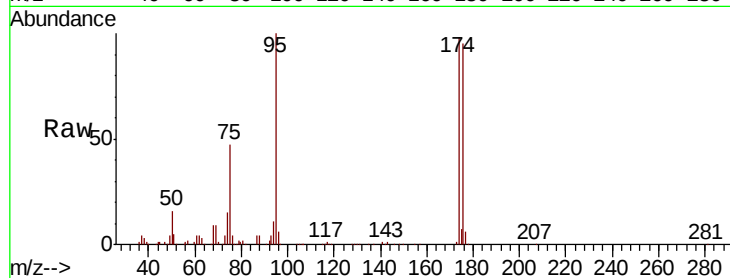
MW-3

Tot Ion: 105 Resp: 101

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

12.40

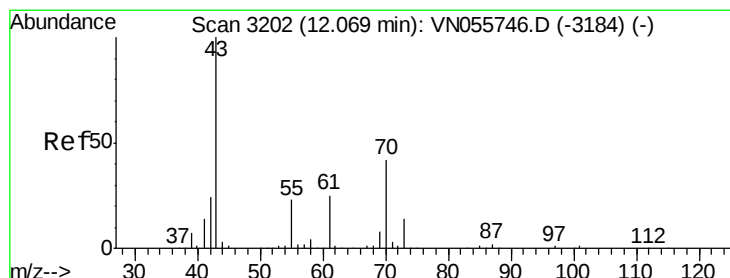
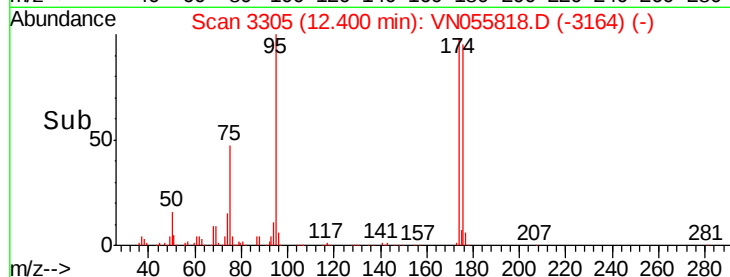
150

100

50

0

Time-->



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.06 min Scan# 3198

Delta R.T. -0.01 min

Lab File: VN055818.D

Acq: 25 May 2019 1:19

Tgt Ion: 43 Resp: 177

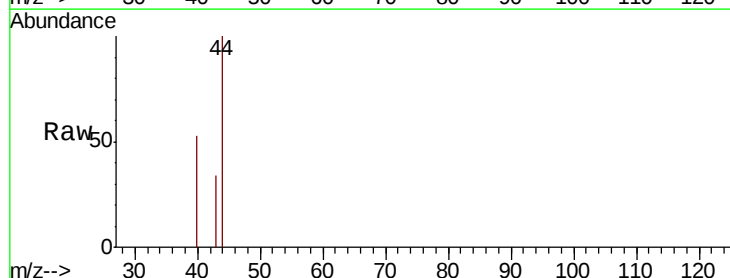
Ion Ratio Lower Upper

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): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

300

250

200

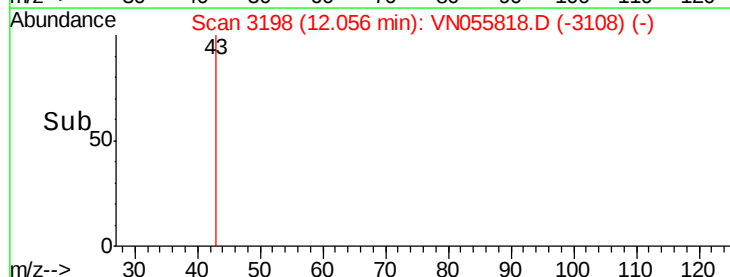
150

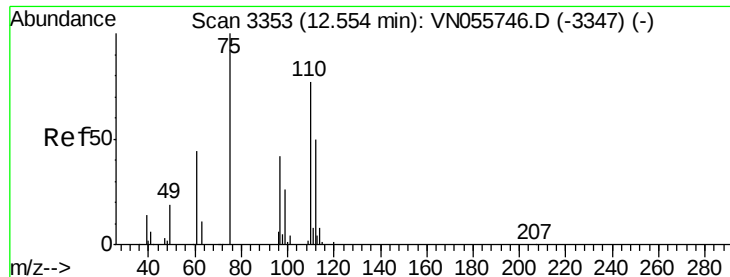
100

50

0

Time-->





#76

1,2,3-Trichloropropane

Concen: 31.547 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055818.D

Acq: 25 May 2019 1:19

Instrument :

MSVOA_N

ClientSampled :

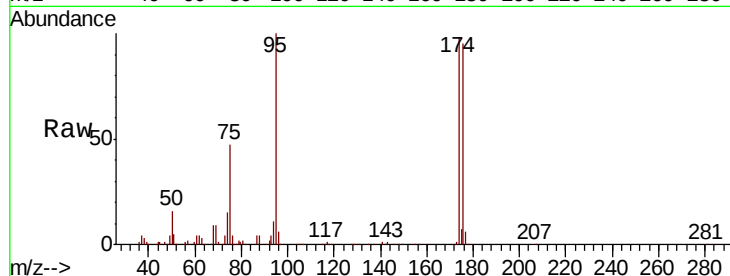
MW-3

Tot Ion: 75 Resp: 111793

Ion Ratio Lower Upper

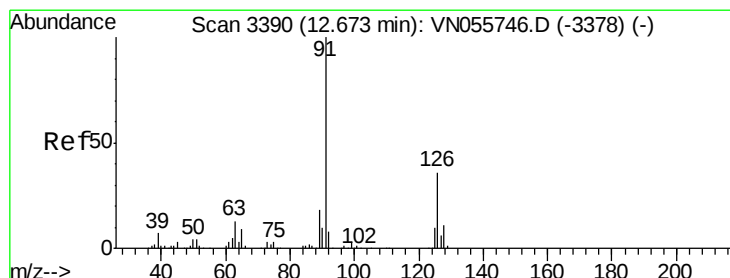
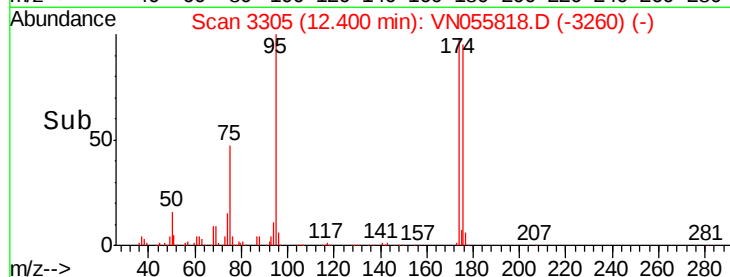
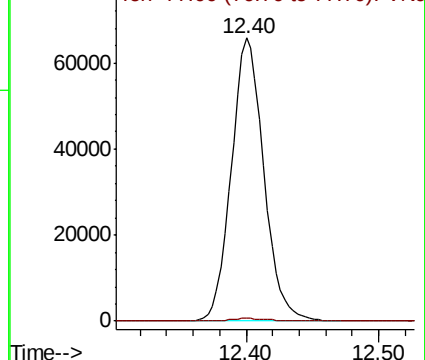
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN055818.D

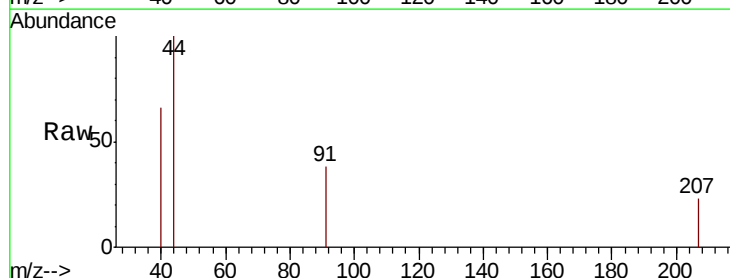
Acq: 25 May 2019 1:19

Tgt Ion: 91 Resp: 341

Ion Ratio Lower Upper

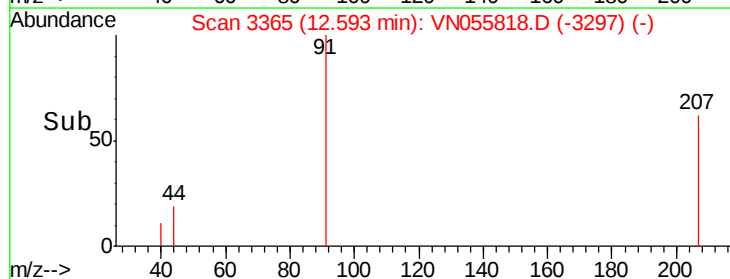
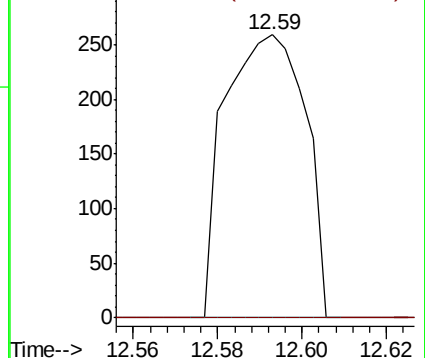
91 100

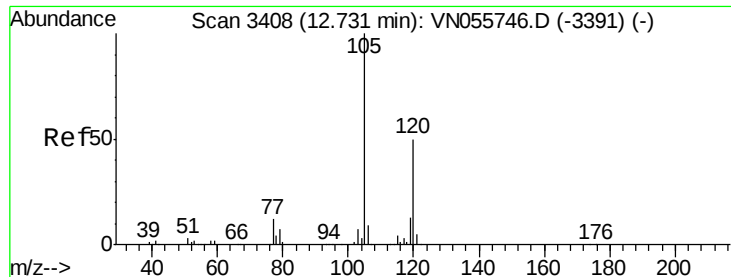
126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

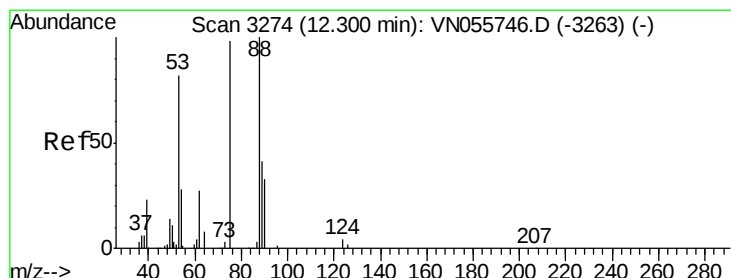
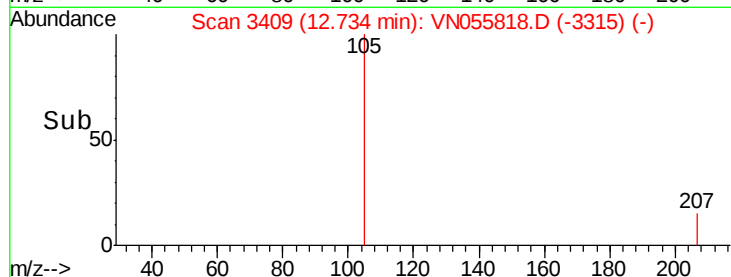
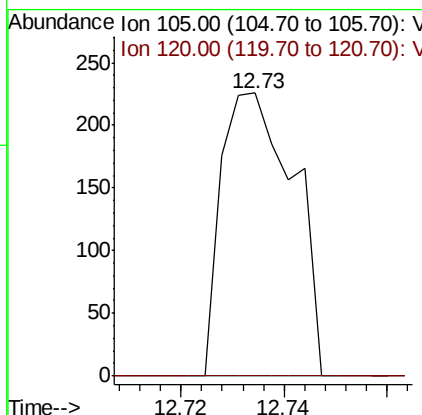
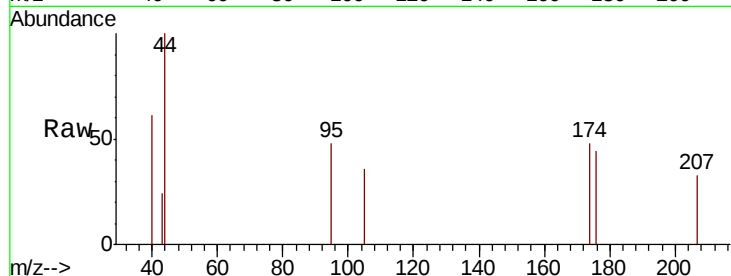




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN055818.D
 Acq: 25 May 2019 1:19

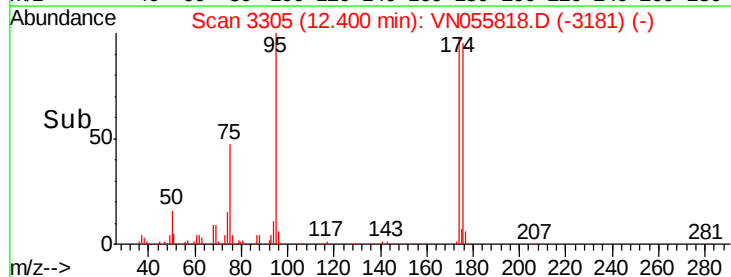
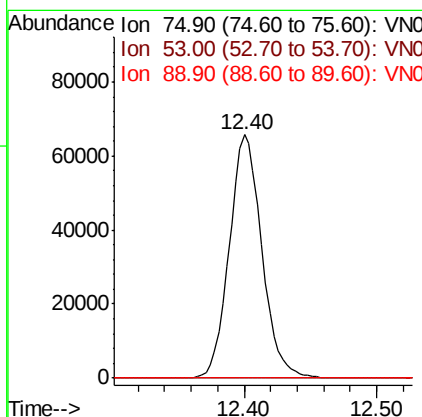
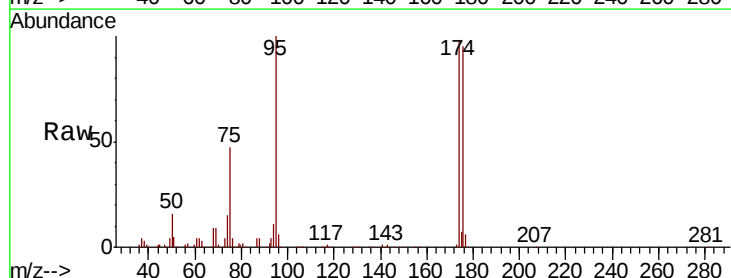
Instrument :
 MSVOA_N
 ClientSampled :
 MW-3

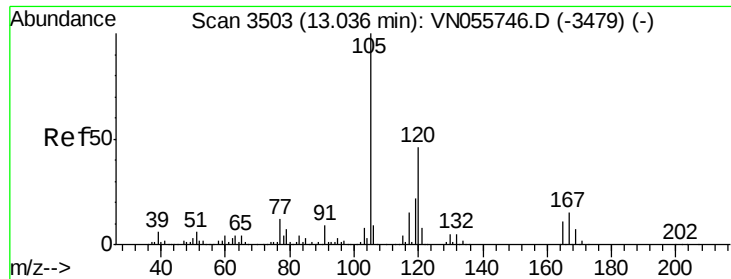
Tot Ion: 105 Resp: 219
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.7 74.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.780 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN055818.D
 Acq: 25 May 2019 1:19

Tgt Ion: 75 Resp: 111793
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.1 102.1#
 89 0.0 36.9 55.3#

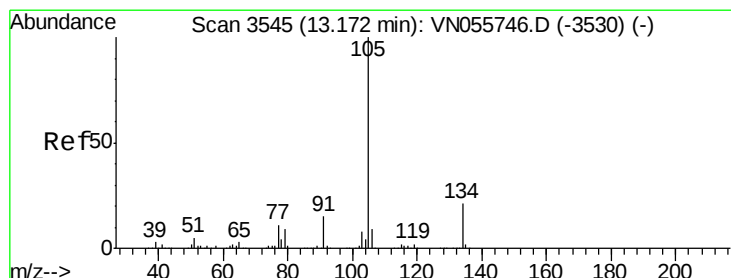
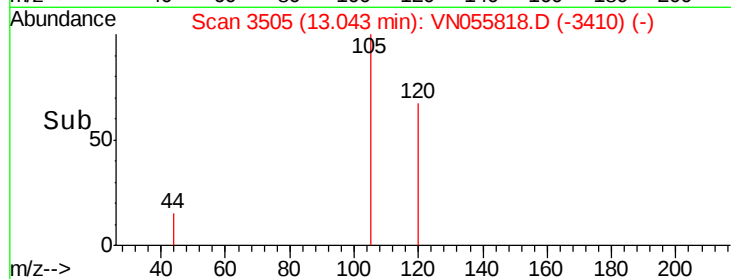
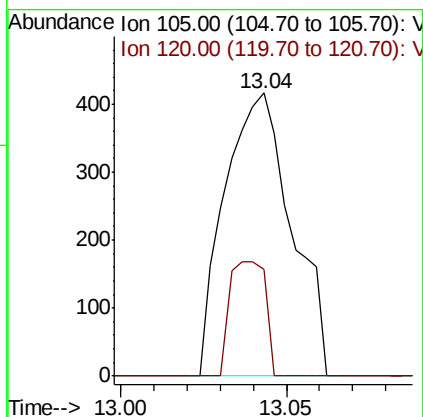
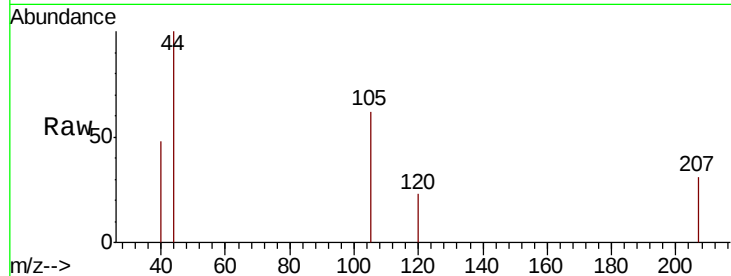




#84
1,2,4-Trimethylbenzene
Concen: Below Cal
RT: 13.04 min Scan# 3505
Delta R.T. 0.01 min
Lab File: VN055818.D
Acq: 25 May 2019 1:19

Instrument :
MSVOA_N
ClientSampled :
MW-3

Tot Ion:105 Resp: 586
Ion Ratio Lower Upper
105 100
120 21.3 23.0 69.0#



#85
sec-Butylbenzene
Concen: Below Cal
RT: 13.17 min Scan# 3545
Delta R.T. 0.00 min
Lab File: VN055818.D
Acq: 25 May 2019 1:19

Tgt Ion:105 Resp: 199
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.2#

