

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055819.D
 Acq On : 25 May 2019 1:44
 Operator : JC/SP
 Sample : K3022-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Quant Time: May 25 04:33:27 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	438357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	614652	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	558440	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	192651	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	202936	44.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.66%	
35) Dibromofluoromethane	7.59	113	185685	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
50) Toluene-d8	10.09	98	722721	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
62) 4-Bromofluorobenzene	12.40	95	233974	45.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.56%	

Target Compounds

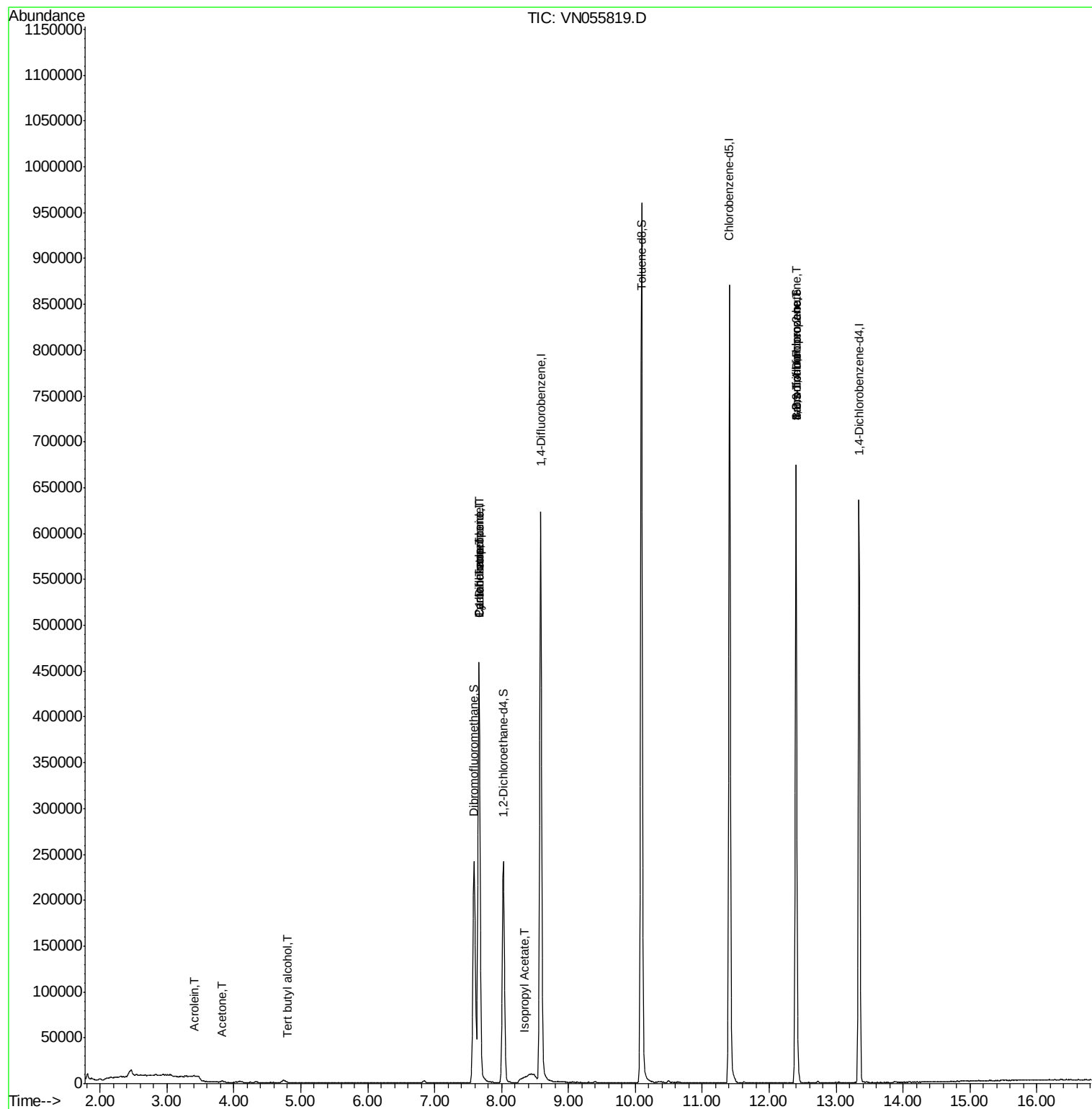
					Qvalue	
11) Tert butyl alcohol	4.80	59	606	0.701 ug/l #	74	
13) Acrolein	3.40	56	134	0.216 ug/l #	1	
16) Acetone	3.82	43	2614	1.314 ug/l	98	
18) Methyl Acetate	4.32	43	1475	Below Cal	100	
31) Cyclohexane	7.66	56	6195	0.912 ug/l #	1	
36) 1,1-Dichloropropene	7.66	75	24601	4.593 ug/l #	48	
38) Carbon Tetrachloride	7.66	117	34998	6.273 ug/l #	15	
43) Isopropyl Acetate	8.33	43	8331	0.958 ug/l #	53	
71) Bromoform	12.40	173	1584	0.417 ug/l #	1	
73) Isopropylbenzene	12.40	105	137	Below Cal #	48	
74) N-amyl acetate	12.08	43	30	Below Cal #	43	
76) 1,2,3-Trichloropropane	12.40	75	107378	31.185 ug/l #	100	
79) 2-Chlorotoluene	12.59	91	193	Below Cal #	39	
80) 1,3,5-Trimethylbenzene	12.73	105	97	Below Cal #	28	
81) trans-1,4-Dichloro-2-buten	12.40	75	107378	74.993 ug/l #	15	
83) tert-Butylbenzene	12.99	119	30	Below Cal #	28	
84) 1,2,4-Trimethylbenzene	13.05	105	450	Below Cal #	51	
85) sec-Butylbenzene	13.05	105	450	Below Cal #	55	

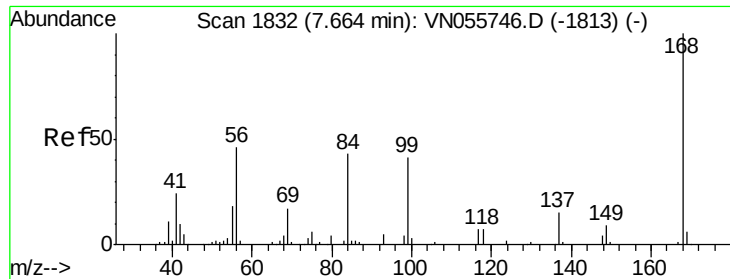
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052419\
Data File : VN055819.D
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Quant Time: May 25 04:33:27 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: VN055819.D

Acq: 25 May 2019 1:44

Instrument :

MSVOA_N

ClientSampled :

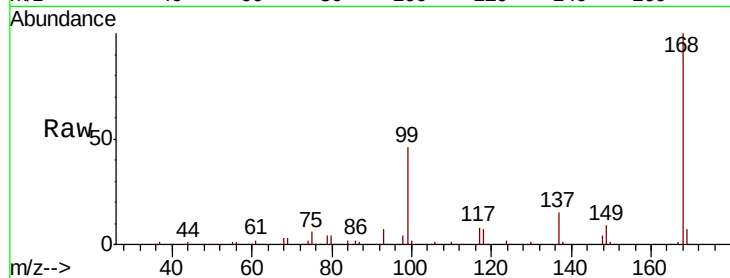
MW-4

Tot Ion:168 Resp: 438357

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): VN0

7.66

200000

150000

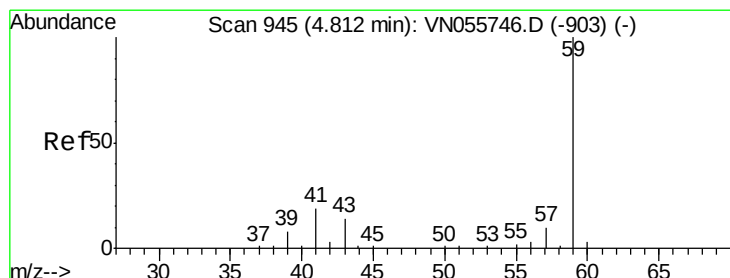
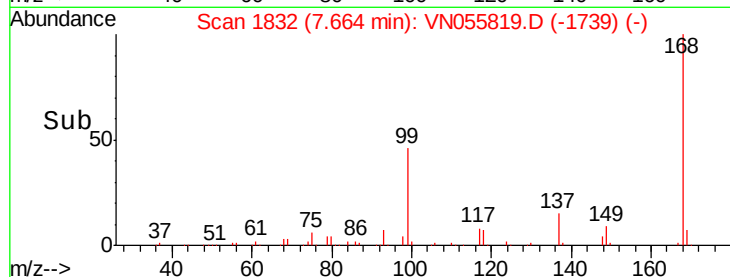
100000

50000

0

7.60 7.70 7.80

Time-->



#11

Tert butyl alcohol

Concen: 0.701 ug/l

RT: 4.80 min Scan# 942

Delta R.T. -0.01 min

Lab File: VN055819.D

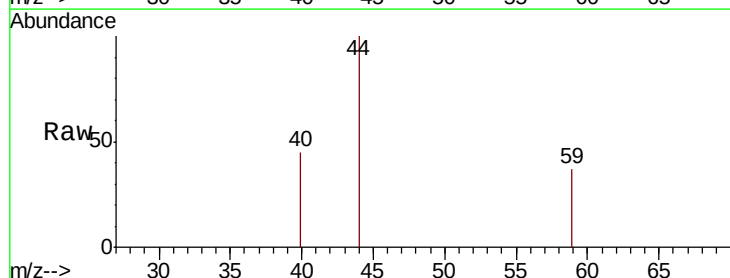
Acq: 25 May 2019 1:44

Tgt Ion: 59 Resp: 606

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

600

500

400

300

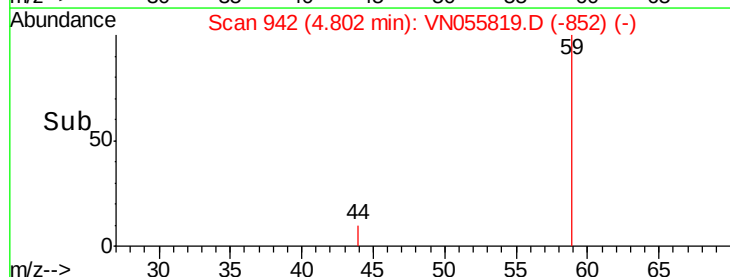
200

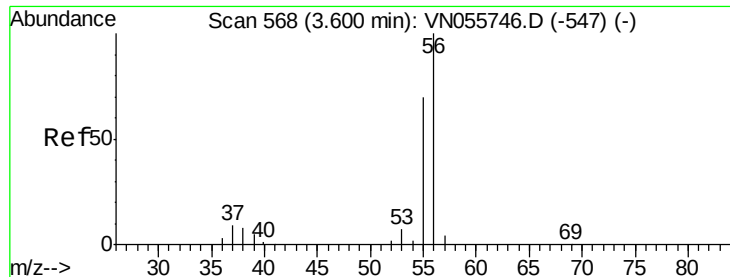
100

0

4.78 4.80 4.82 4.84 4.86

Time-->





#13

Acrolein

Concen: 0.216 ug/l

RT: 3.40 min Scan# 507

Delta R.T. -0.20 min

Lab File: VN055819.D

Acq: 25 May 2019 1:44

Instrument :

MSVOA_N

ClientSampled :

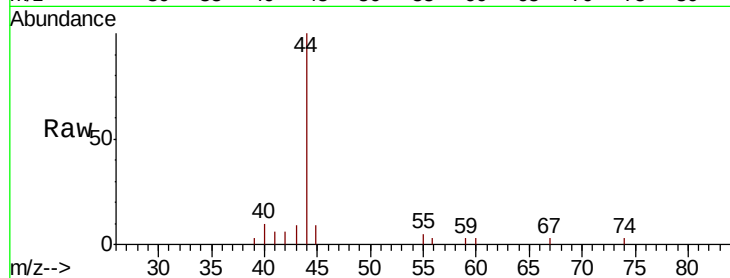
MW-4

Tot Ion: 56 Resp: 134

Ion Ratio Lower Upper

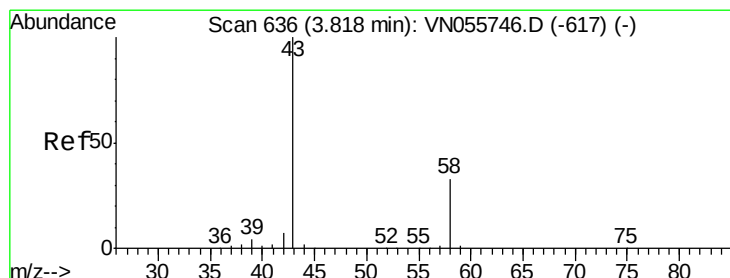
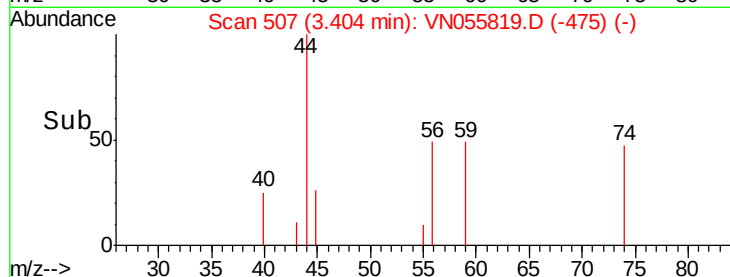
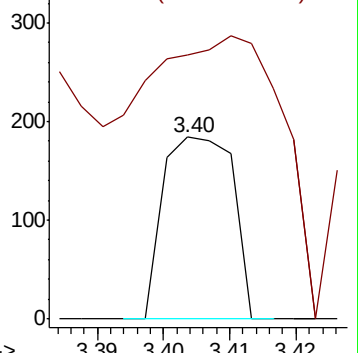
56 100

55 291.8 55.4 83.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 1.314 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055819.D

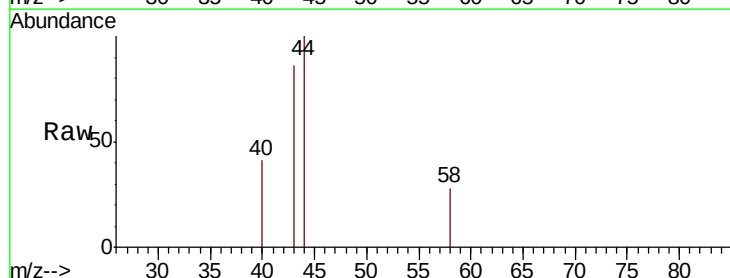
Acq: 25 May 2019 1:44

Tgt Ion: 43 Resp: 2614

Ion Ratio Lower Upper

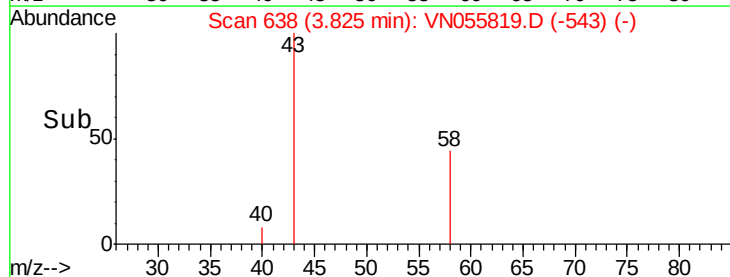
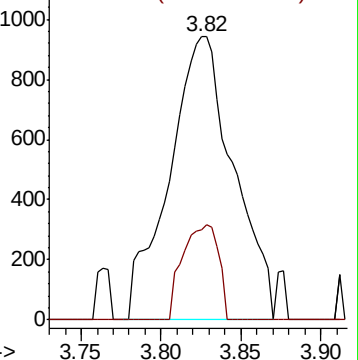
43 100

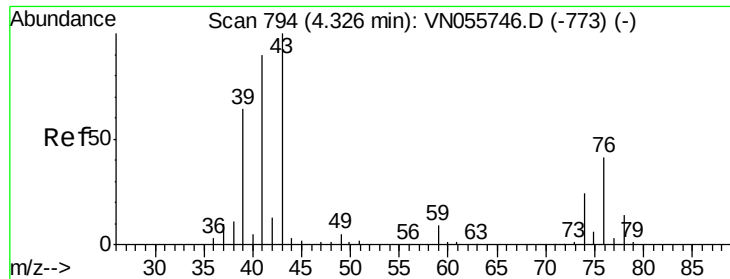
58 32.1 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

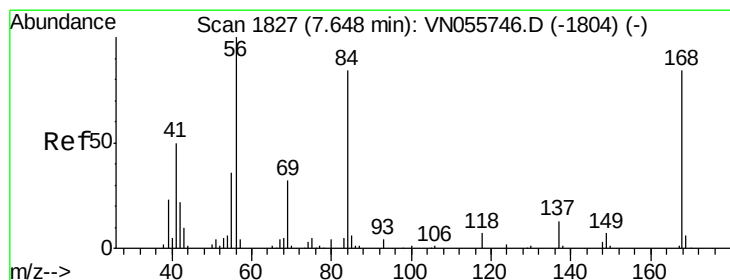
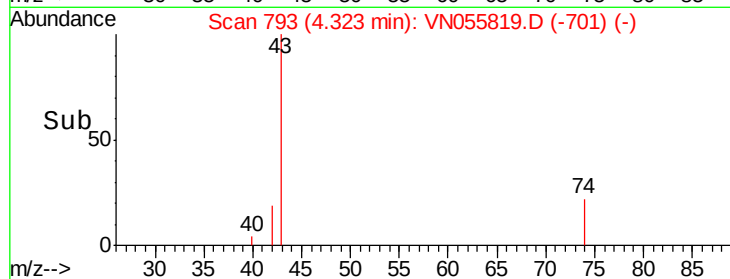
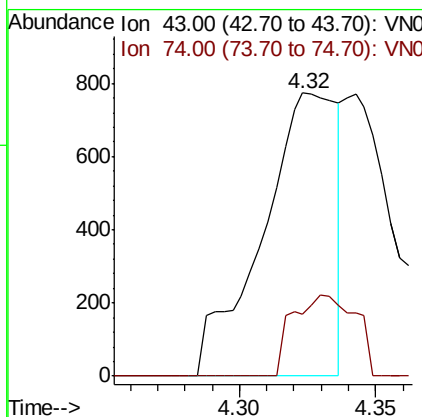
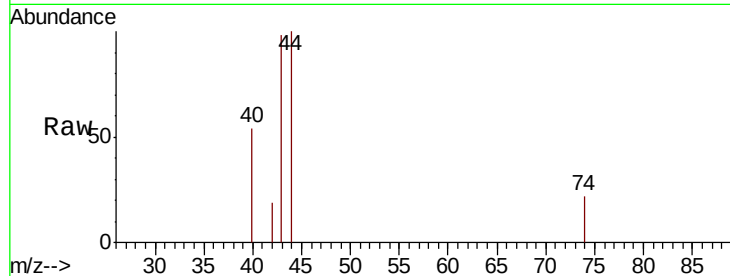




#18
Methyl Acetate
Concen: Below Cal
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN055819.D
Acq: 25 May 2019 1:44

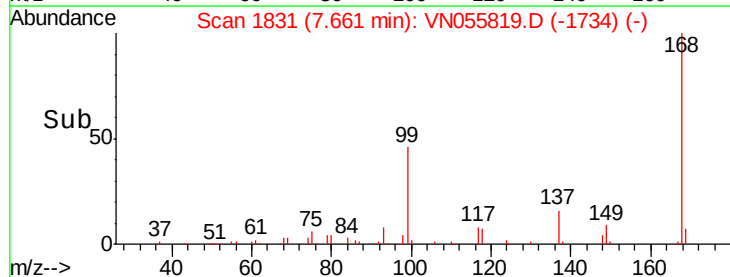
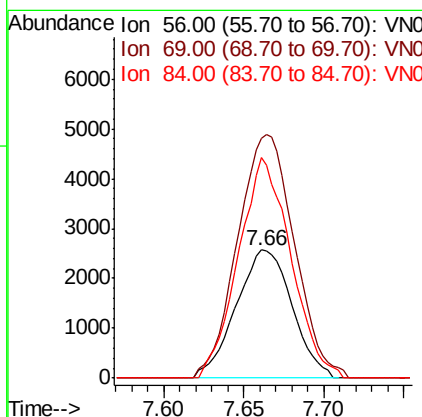
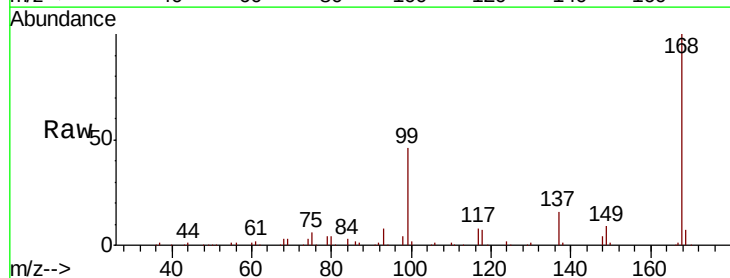
Instrument :
MSVOA_N
ClientSampled :
MW-4

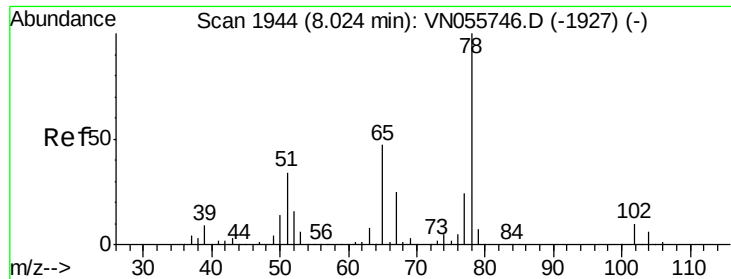
Tot Ion: 43 Resp: 1475
Ion Ratio Lower Upper
43 100
74 24.3 19.3 28.9



#31
Cyclohexane
Concen: 0.912 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN055819.D
Acq: 25 May 2019 1:44

Tgt Ion: 56 Resp: 6195
Ion Ratio Lower Upper
56 100
69 186.8 25.6 38.4#
84 172.1 67.4 101.0#

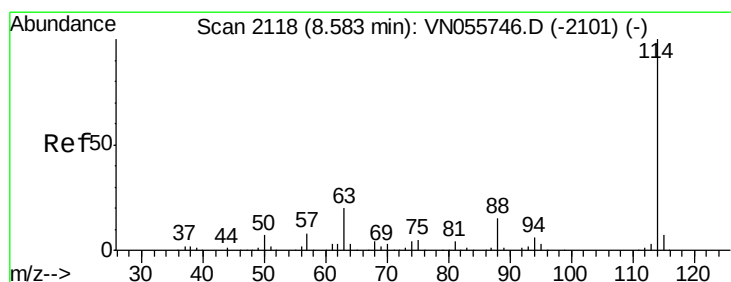
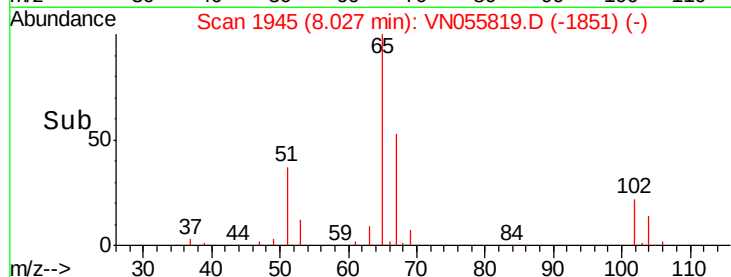
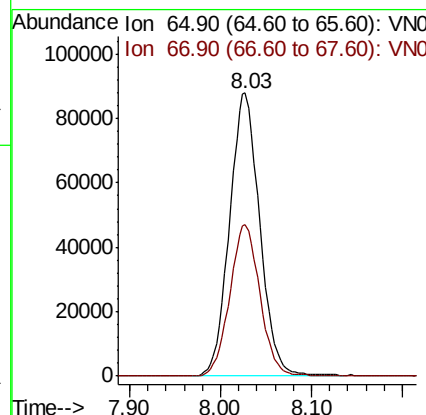
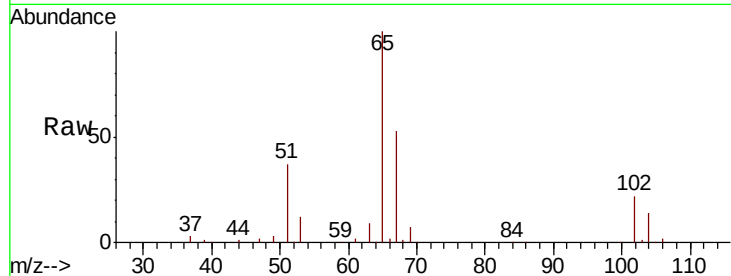




#33
 1,2-Dichloroethane-d4
 Concen: 44.828 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055819.D
 Acq: 25 May 2019 1:44

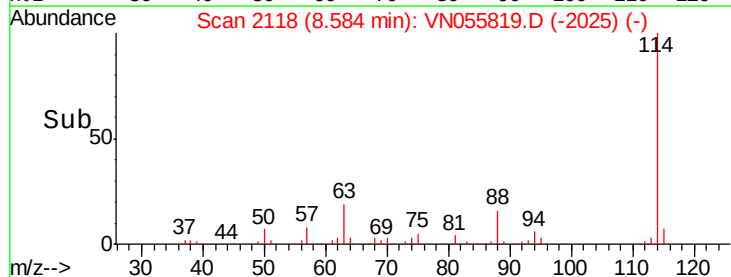
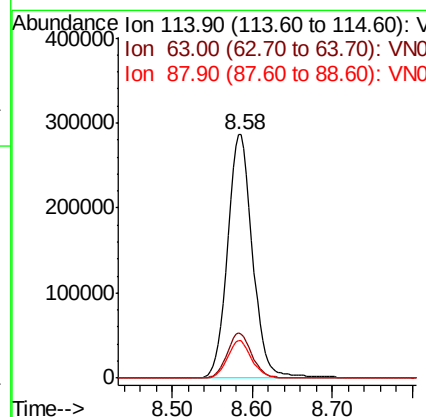
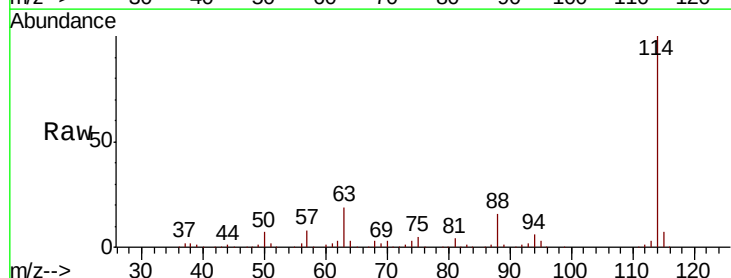
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

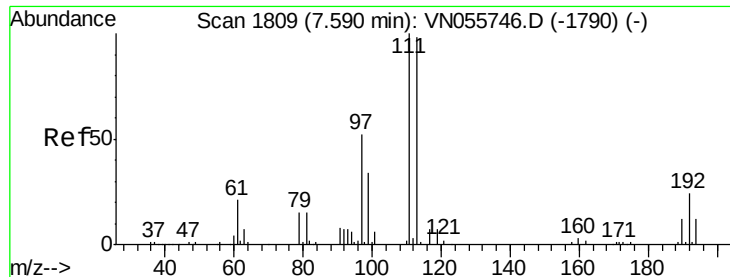
Tot Ion: 65 Resp: 202936
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055819.D
 Acq: 25 May 2019 1:44

Tgt Ion: 114 Resp: 614652
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.2
 88 15.5 0.0 31.0

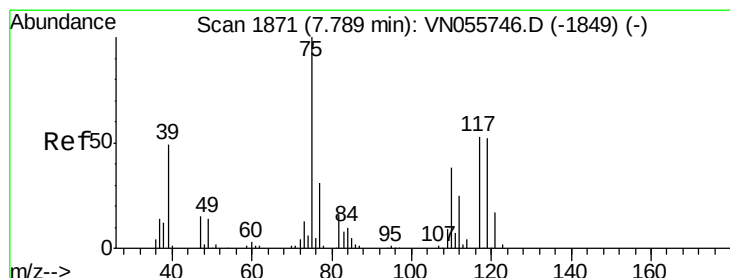
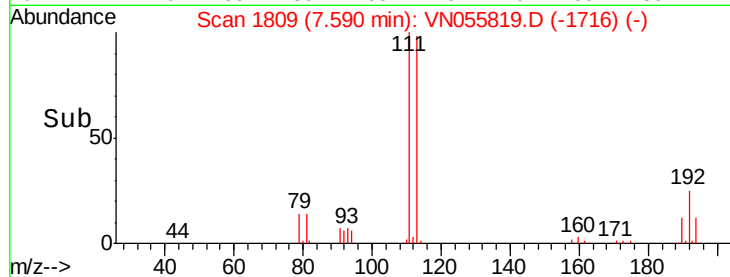
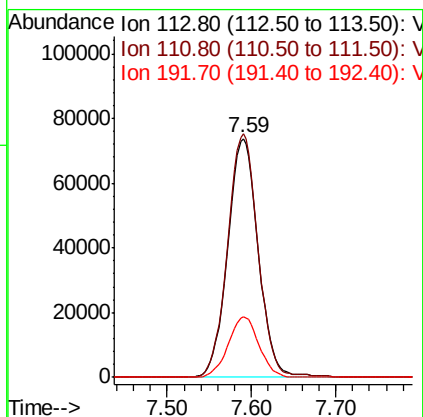
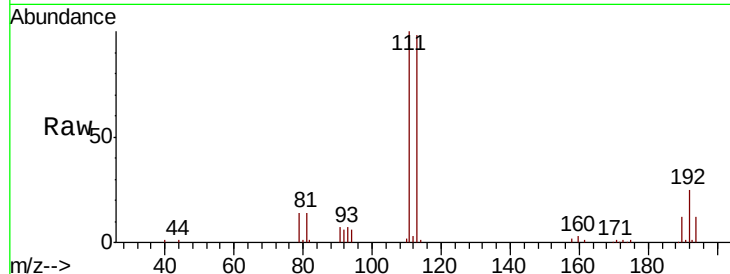




#35
 Dibromofluoromethane
 Concen: 47.783 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055819.D
 Acq: 25 May 2019 1:44

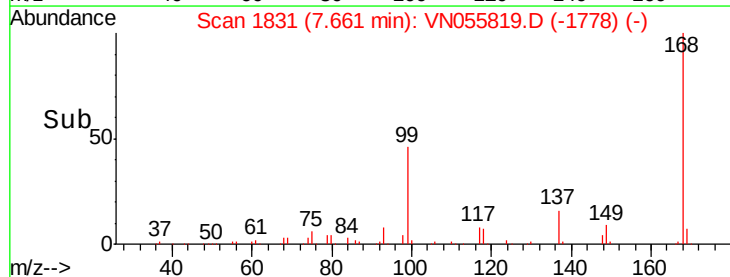
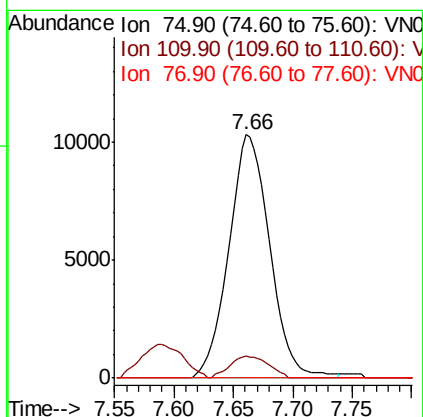
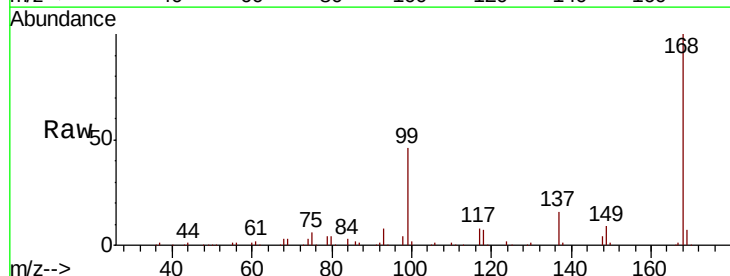
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

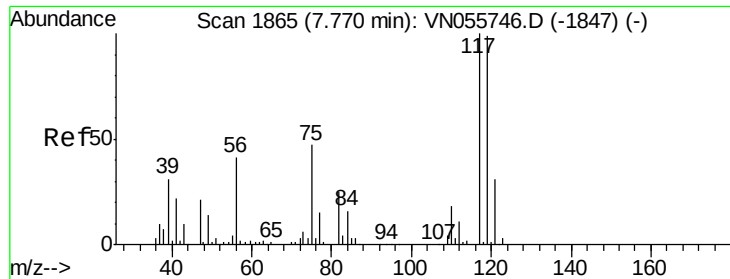
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.9	122.9
192	25.4	19.5	29.3



#36
 1,1-Dichloropropene
 Concen: 4.593 ug/l
 RT: 7.66 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN055819.D
 Acq: 25 May 2019 1:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	19.0	57.0#
77	0.0	25.1	37.7#

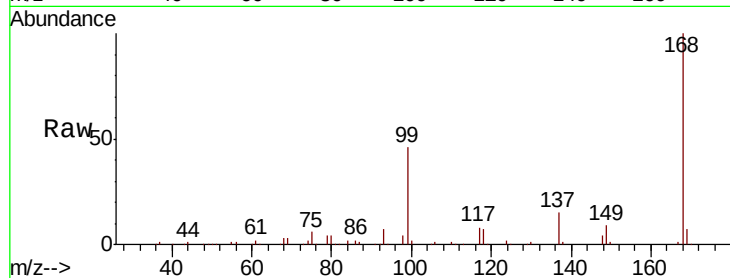




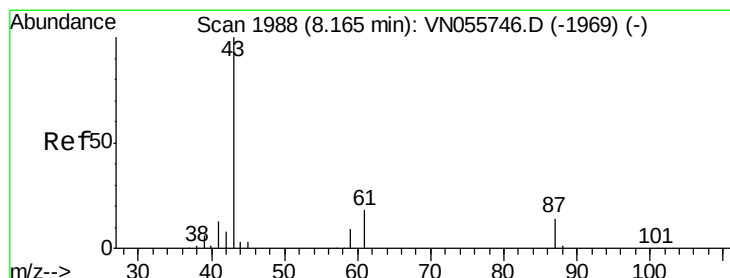
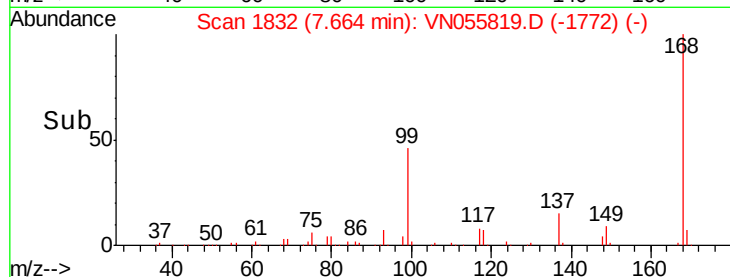
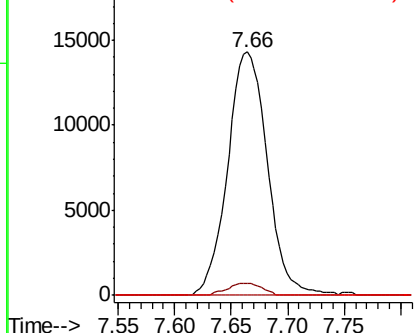
#38
Carbon Tetrachloride
Concen: 6.273 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN055819.D
Acq: 25 May 2019 1:44

Instrument :
MSVOA_N
ClientSampled :
MW-4

Tot Ion:117 Resp: 34998
Ion Ratio Lower Upper
117 100
119 4.8 79.0 118.6#
121 0.0 24.7 37.1#

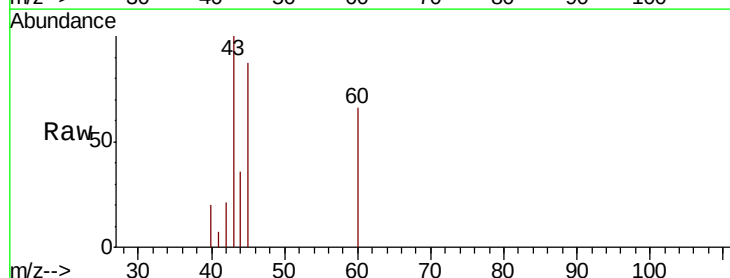


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

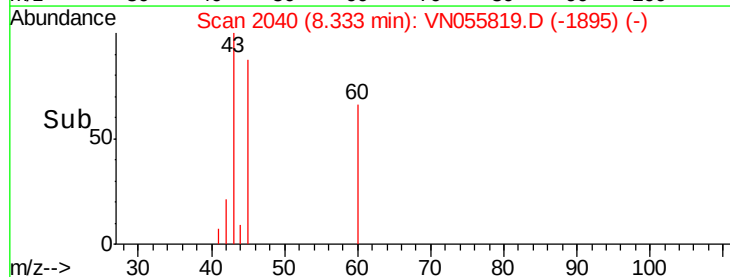
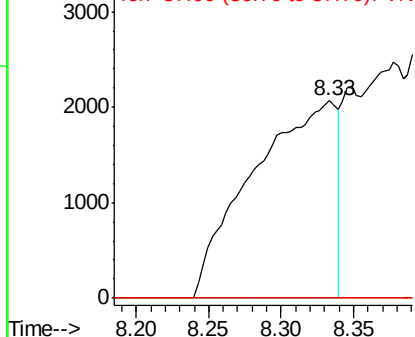


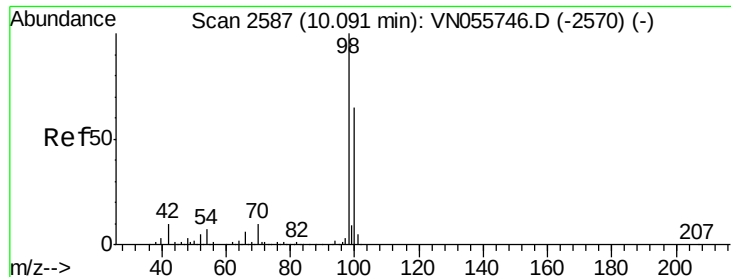
#43
Isopropyl Acetate
Concen: 0.958 ug/l
RT: 8.33 min Scan# 2040
Delta R.T. 0.17 min
Lab File: VN055819.D
Acq: 25 May 2019 1:44

Tgt Ion: 43 Resp: 8331
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: 48.484 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055819.D

Acq: 25 May 2019 1:44

Instrument :

MSVOA_N

ClientSampled :

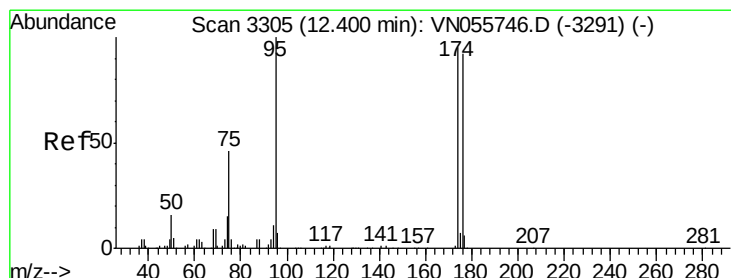
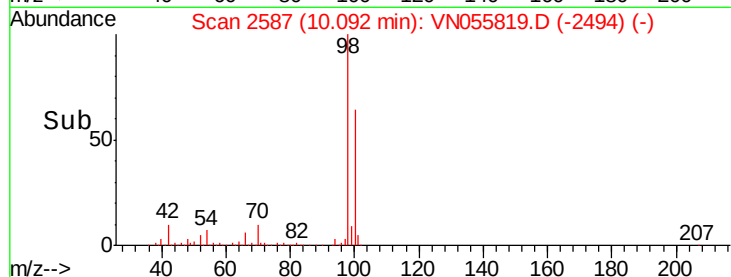
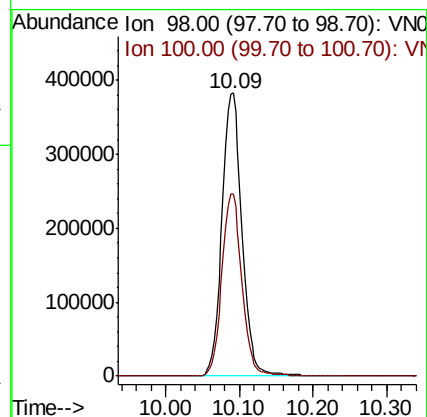
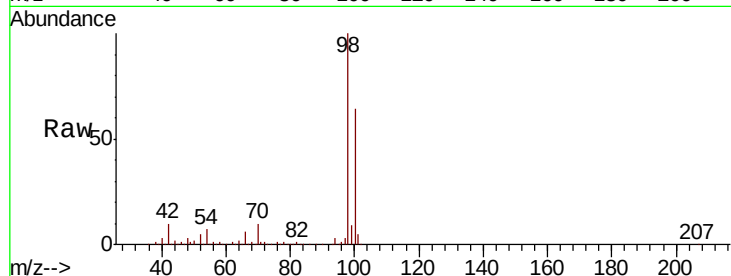
MW-4

Tot Ion: 98 Resp: 722721

Ion Ratio Lower Upper

98 100

100 64.7 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 45.776 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055819.D

Acq: 25 May 2019 1:44

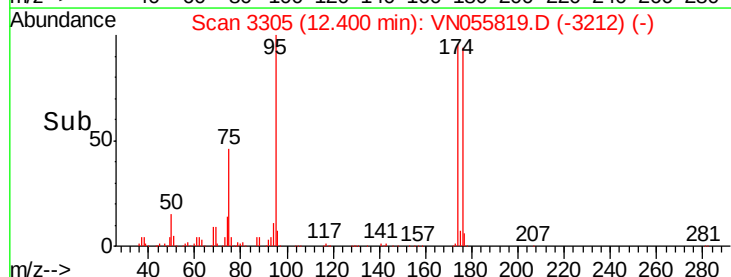
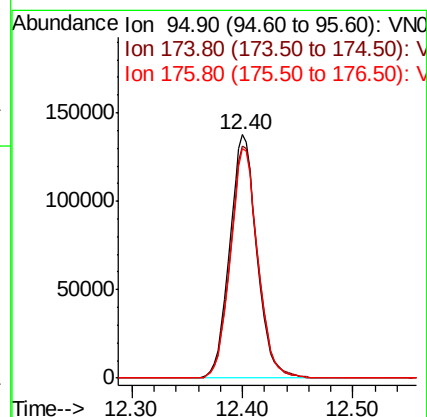
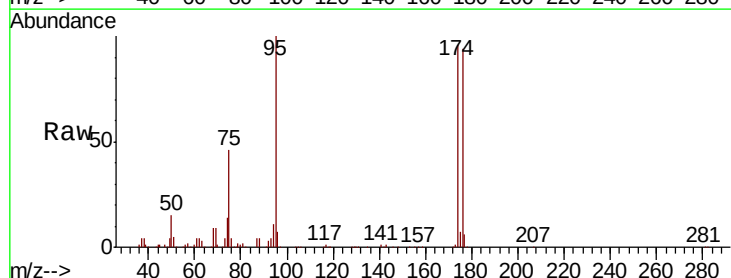
Tgt Ion: 95 Resp: 233974

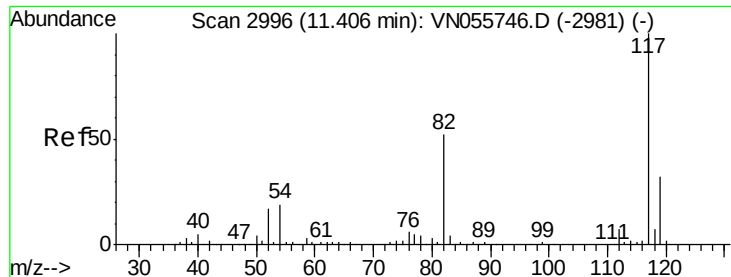
Ion Ratio Lower Upper

95 100

174 96.9 0.0 191.0

176 94.8 0.0 185.2

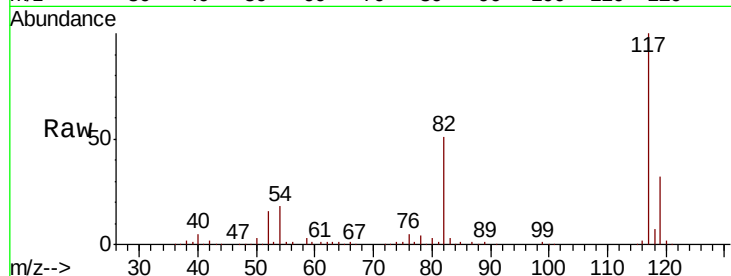




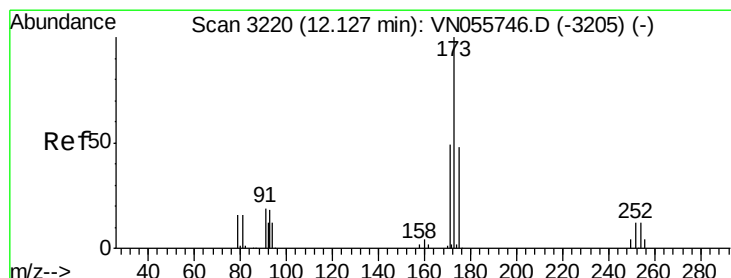
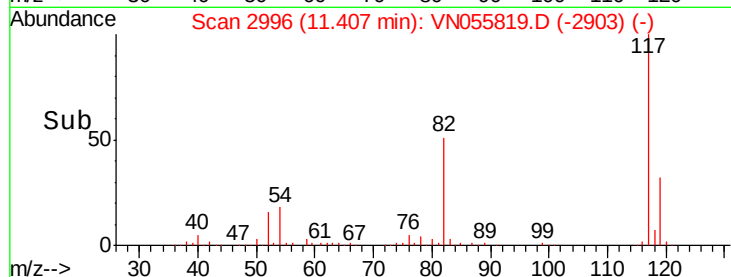
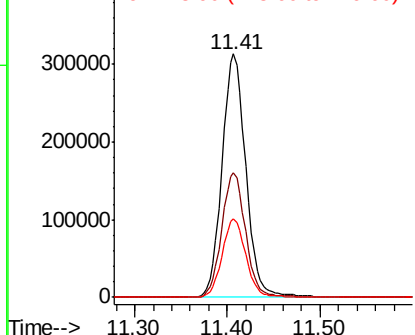
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055819.D
Acq: 25 May 2019 1:44

Instrument :
MSVOA_N
ClientSampleId :
MW-4

Tot Ion:117 Resp: 558440
Ion Ratio Lower Upper
117 100
82 51.3 41.8 62.8
119 32.2 25.4 38.0

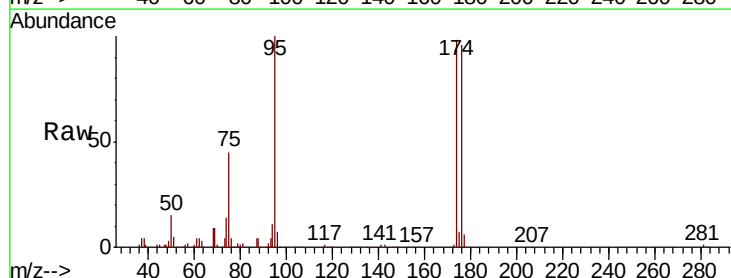


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): V

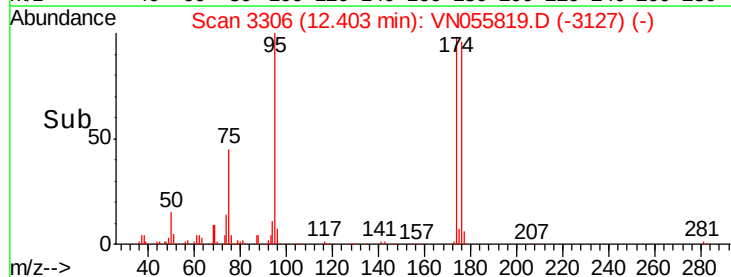
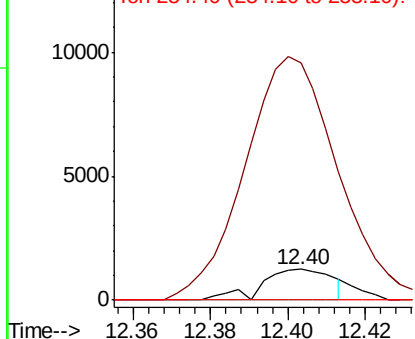


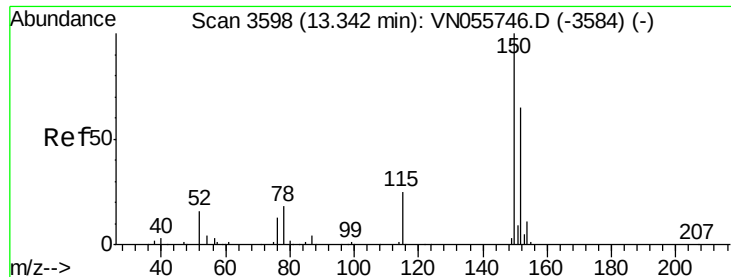
#71
Bromoform
Concen: 0.417 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN055819.D
Acq: 25 May 2019 1:44

Tgt Ion:173 Resp: 1584
Ion Ratio Lower Upper
173 100
175 910.9 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: VN055819.D

Acq: 25 May 2019 1:44

Instrument :

MSVOA_N

ClientSampleId :

MW-4

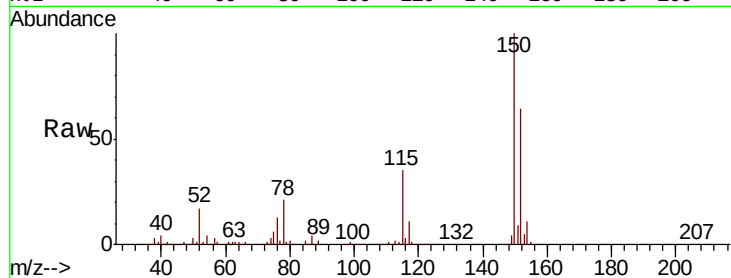
Tot Ion:152 Resp: 192651

Ion Ratio Lower Upper

152 100

115 53.6 27.0 81.0

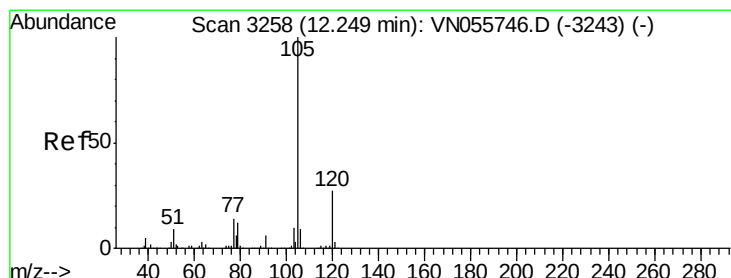
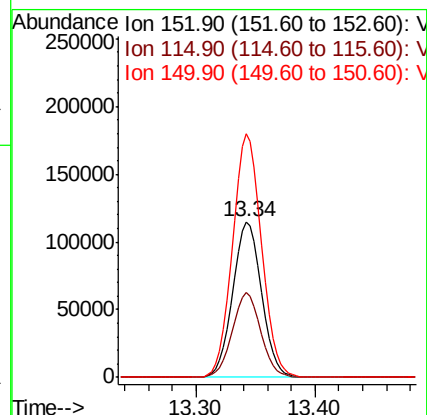
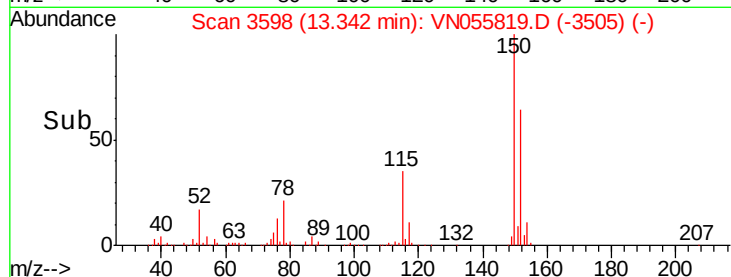
150 157.2 0.0 343.2



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: 12.40 min Scan# 3306

Delta R.T. 0.16 min

Lab File: VN055819.D

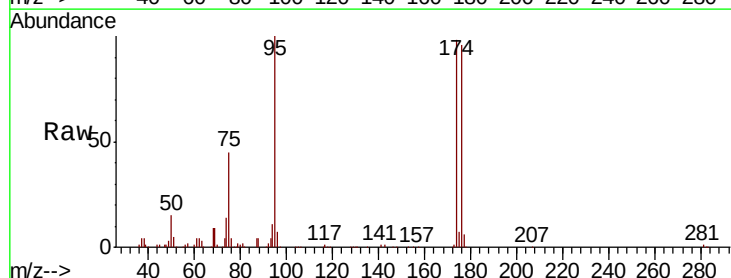
Acq: 25 May 2019 1:44

Tgt Ion:105 Resp: 137

Ion Ratio Lower Upper

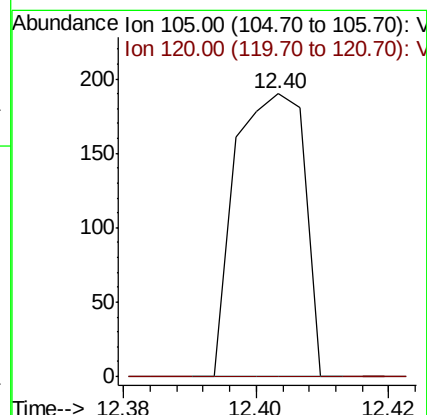
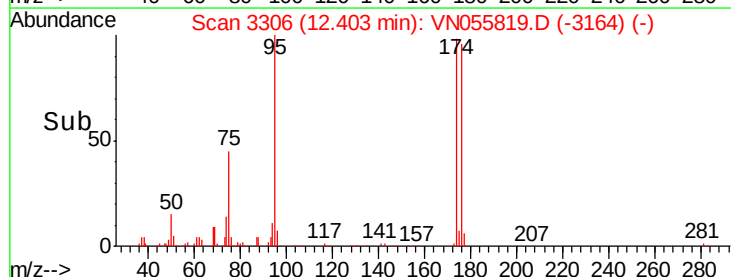
105 100

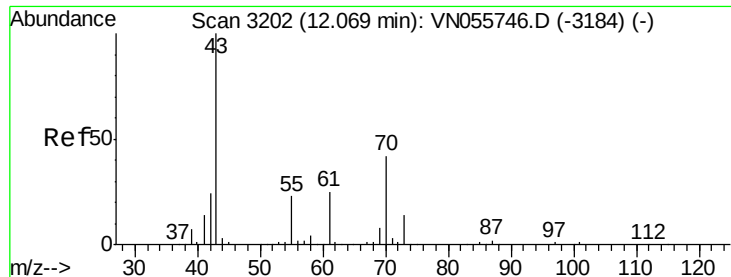
120 0.0 13.6 40.7#



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# 3205

Delta R.T. 0.01 min

Lab File: VN055819.D

Acq: 25 May 2019 1:44

Instrument :

MSVOA_N

ClientSampled :

MW-4

Tot Ion: 43 Resp: 30

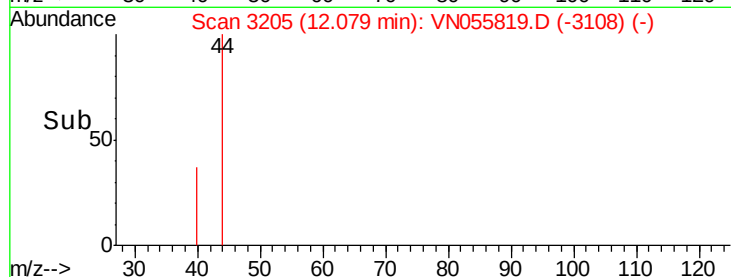
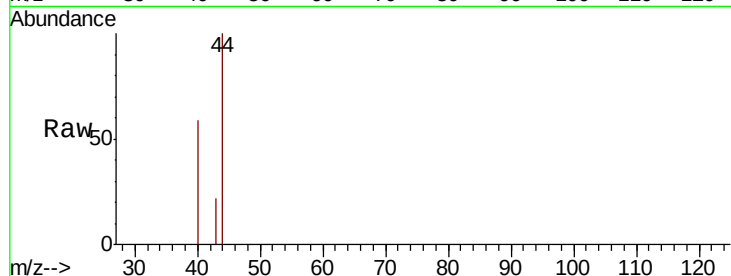
Ion Ratio Lower Upper

43 100

70 0.0 34.0 51.0#

55 0.0 18.6 28.0#

61 0.0 20.0 30.0#

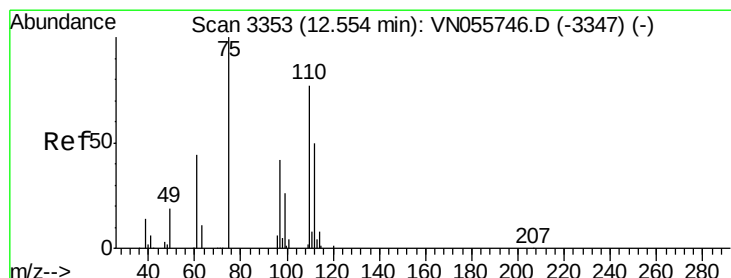
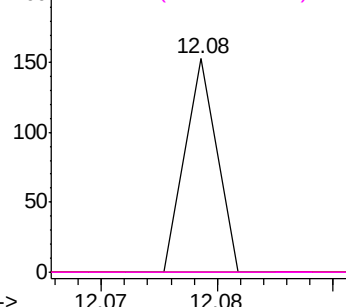


Abundance Ion 43.00 (42.70 to 43.70): VNO

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



#76

1,2,3-Trichloropropane

Concen: 31.185 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055819.D

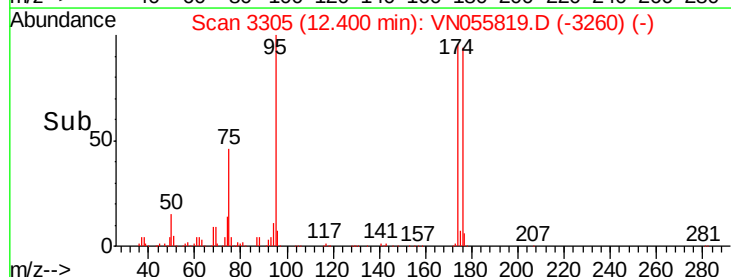
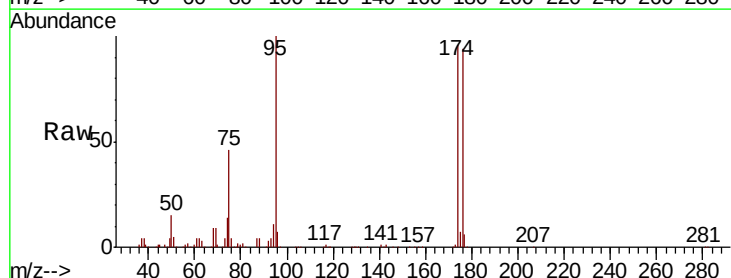
Acq: 25 May 2019 1:44

Tgt Ion: 75 Resp: 107378

Ion Ratio Lower Upper

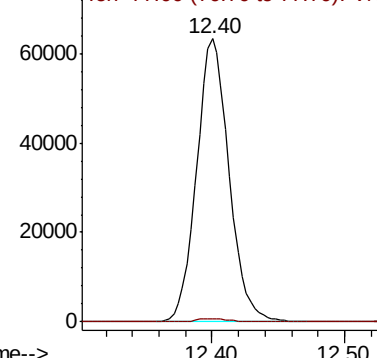
75 100

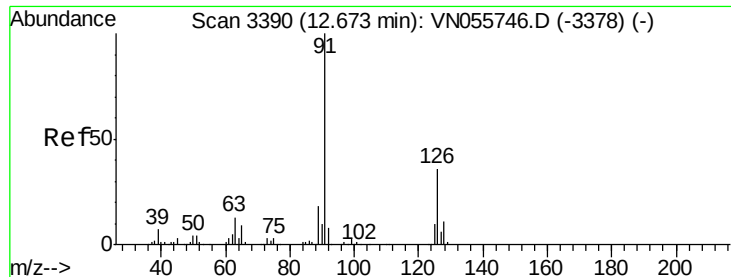
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3364

Delta R.T. -0.08 min

Lab File: VN055819.D

Acq: 25 May 2019 1:44

Instrument :

MSVOA_N

ClientSampled :

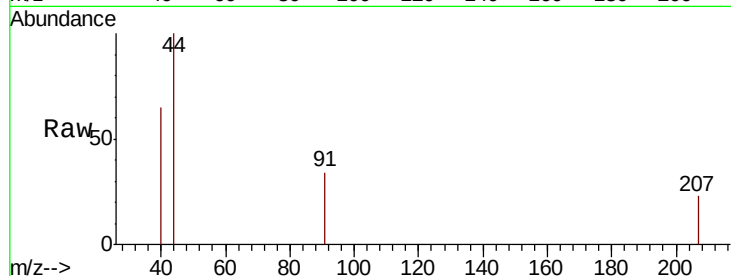
MW-4

Tot Ion: 91 Resp: 193

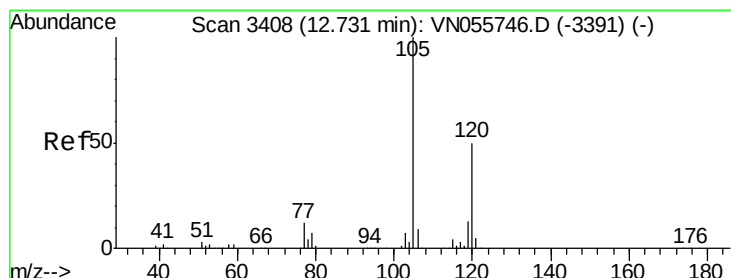
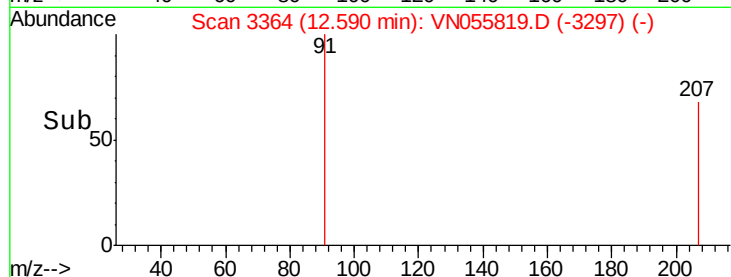
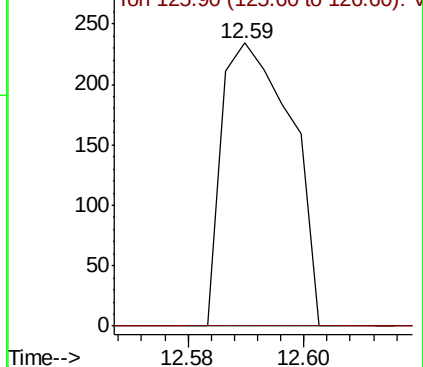
Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN055819.D (-3364) (-)



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055819.D

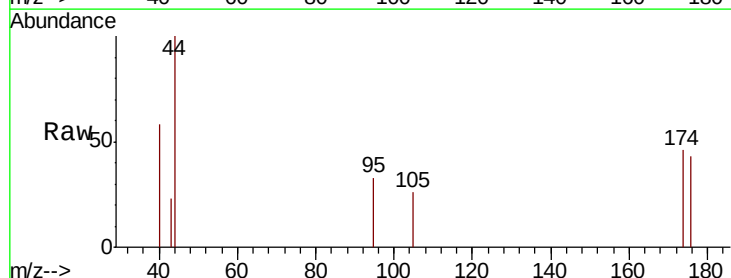
Acq: 25 May 2019 1:44

Tgt Ion: 105 Resp: 97

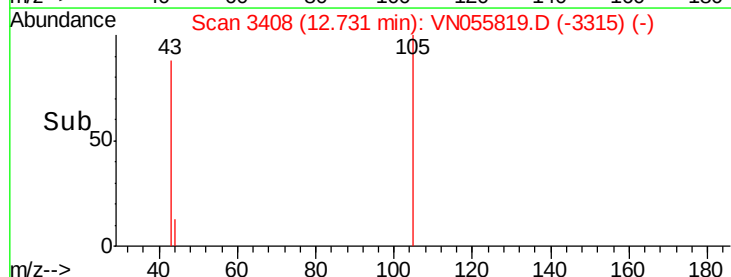
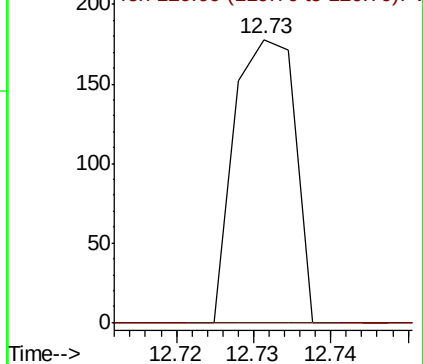
Ion Ratio Lower Upper

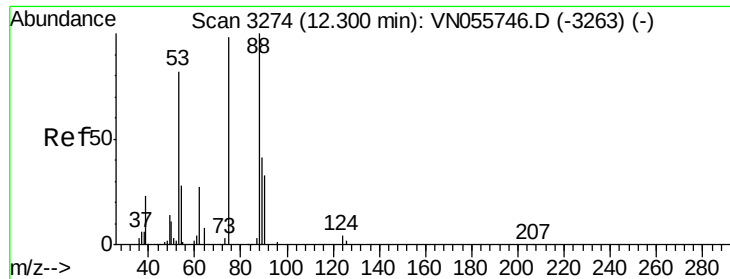
105 100

120 0.0 24.7 74.1#



Abundance Ion 105.00 (104.70 to 105.70): VN055819.D (-3408) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 74.993 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055819.D

Acq: 25 May 2019 1:44

Instrument :

MSVOA_N

ClientSampled :

MW-4

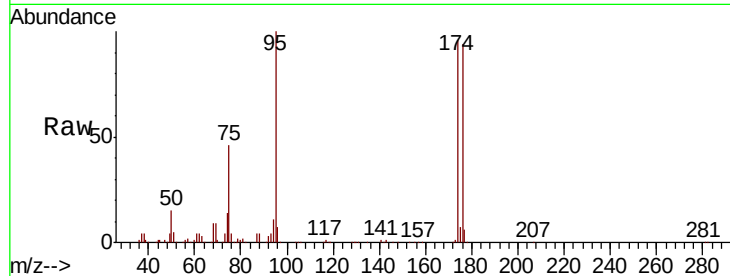
Tot Ion: 75 Resp: 107378

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

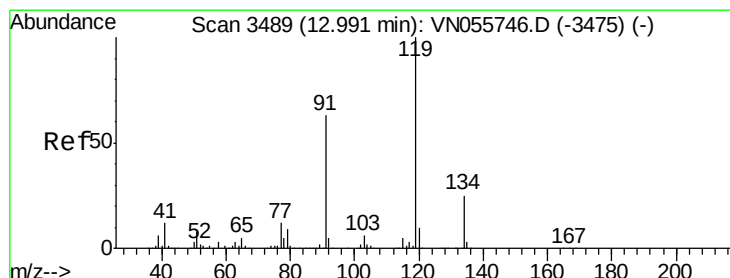
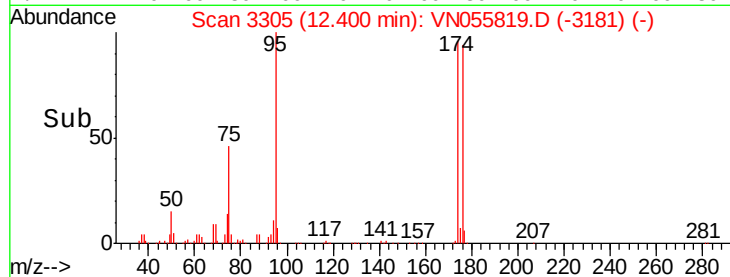
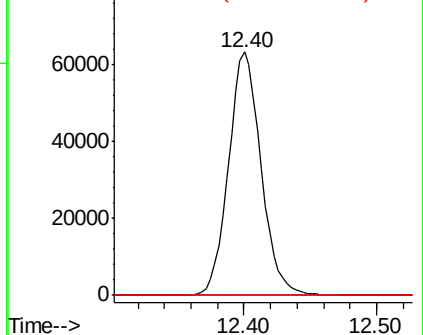
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN055819.D (-3305) (-)

Ion 53.00 (52.70 to 53.70): VN055819.D (-3305) (-)

Ion 88.90 (88.60 to 89.60): VN055819.D (-3305) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN055819.D

Acq: 25 May 2019 1:44

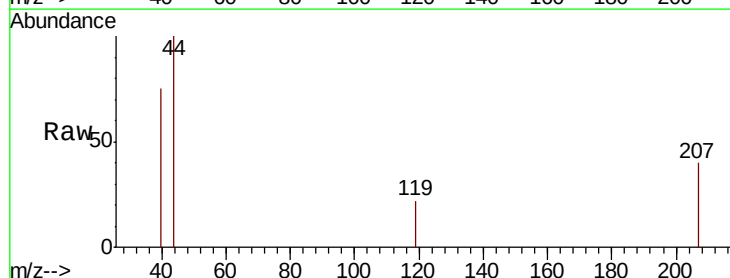
Tgt Ion: 119 Resp: 30

Ion Ratio Lower Upper

119 100

91 0.0 30.9 92.8#

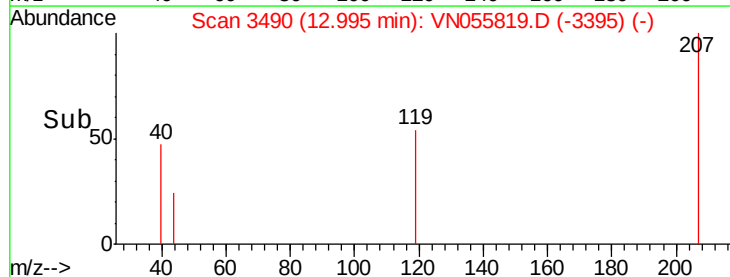
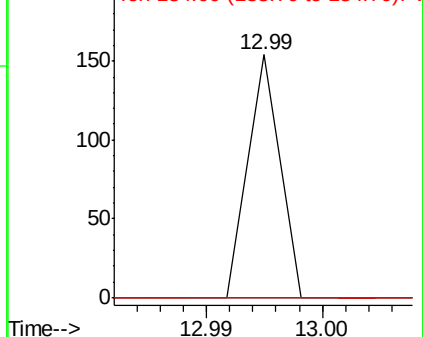
134 0.0 13.3 39.8#

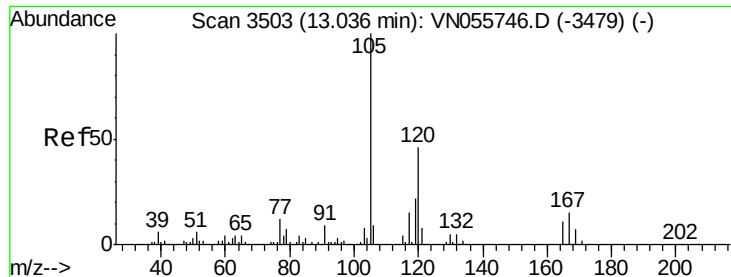


Abundance Ion 119.00 (118.70 to 119.70): VN055819.D (-3489) (-)

Ion 91.00 (90.70 to 91.70): VN055819.D (-3489) (-)

Ion 134.00 (133.70 to 134.70): VN055819.D (-3489) (-)

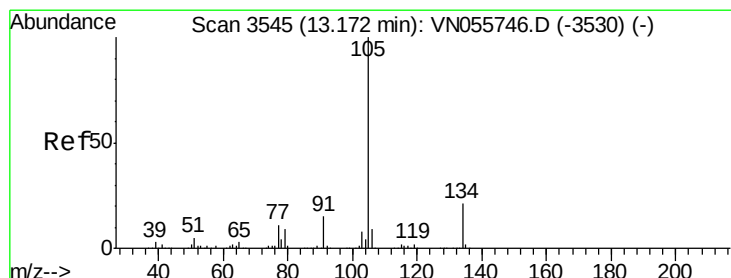
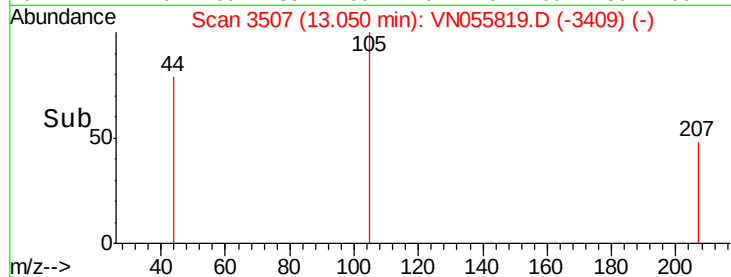
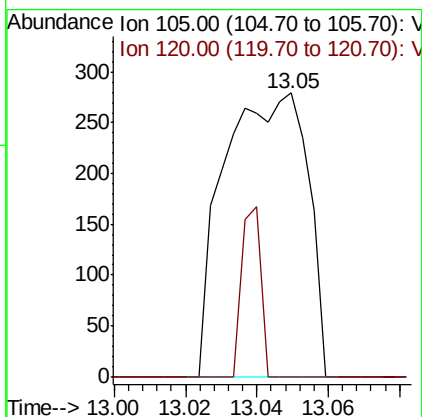
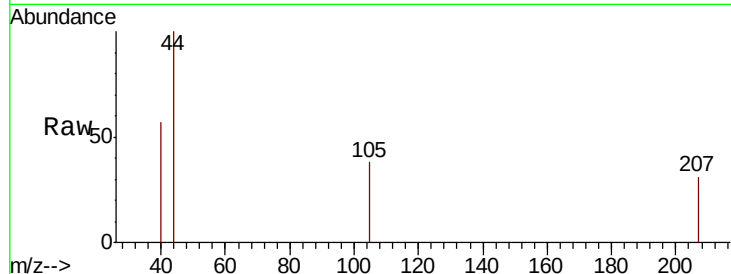




#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 13.05 min Scan# 3507
 Delta R.T. 0.01 min
 Lab File: VN055819.D
 Acq: 25 May 2019 1:44

Instrument :
 MSVOA_N
 ClientSampled :
 MW-4

Tot Ion:105 Resp: 450
 Ion Ratio Lower Upper
 105 100
 120 13.8 23.0 69.0#



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.05 min Scan# 3507
 Delta R.T. -0.12 min
 Lab File: VN055819.D
 Acq: 25 May 2019 1:44

Tgt Ion:105 Resp: 450
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.2#

