

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
 Data File : VN055924.D
 Acq On : 31 May 2019 17:14
 Operator : JC/SP
 Sample : K3136-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FEQC-TB-053119

Quant Time: Jun 01 02:02:42 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	345077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	519652	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	474736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	154304	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	191880	53.84	ug/l	0.00
Spiked Amount			Recovery	=	107.68%	
35) Dibromofluoromethane	7.59	113	164700	50.13	ug/l	0.00
Spiked Amount			Recovery	=	100.26%	
50) Toluene-d8	10.09	98	672140	53.33	ug/l	0.00
Spiked Amount			Recovery	=	106.66%	
62) 4-Bromofluorobenzene	12.40	95	209679	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	

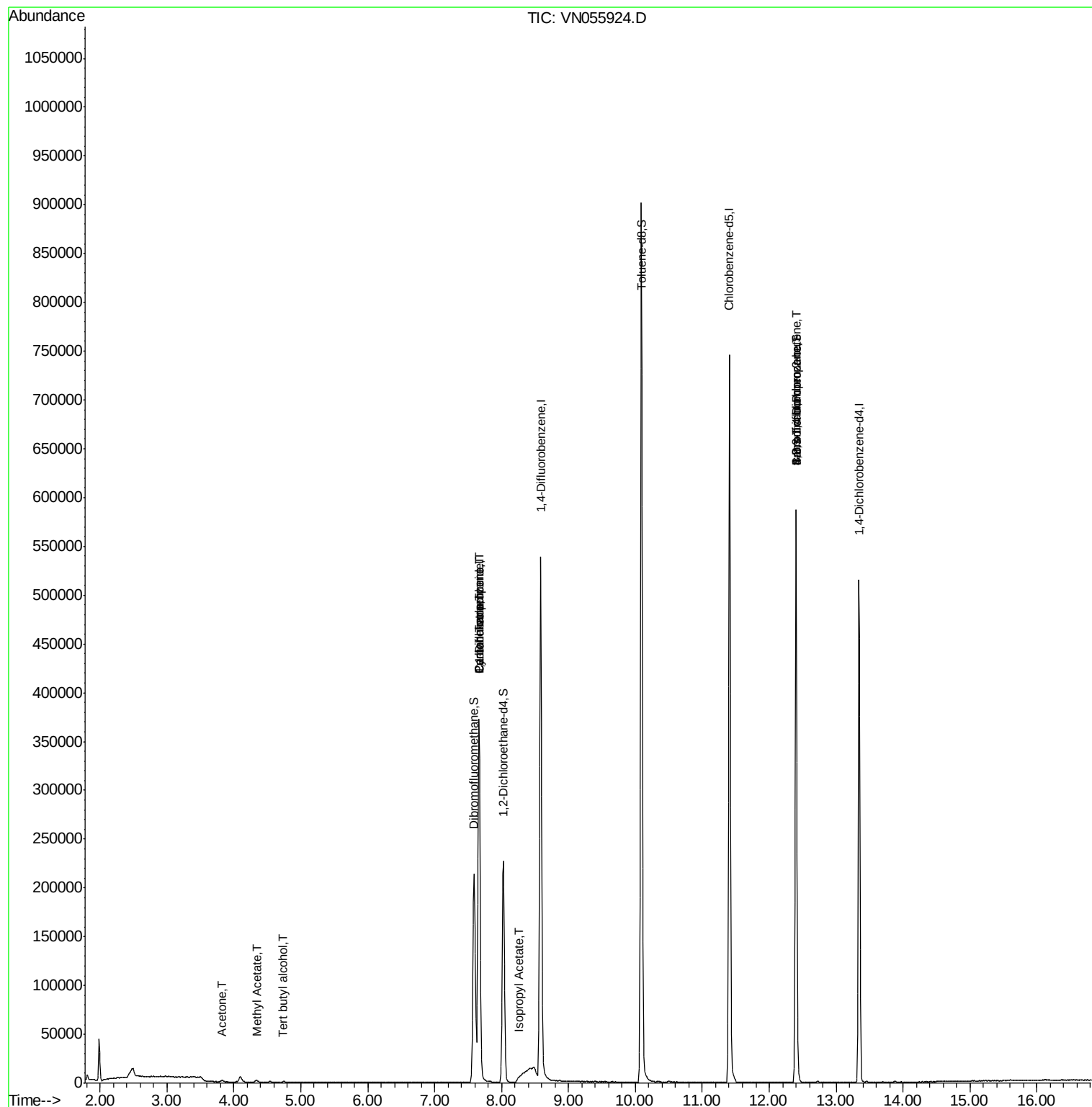
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	591	0.868	ug/l #	74
16) Acetone	3.82	43	3490	2.228	ug/l #	86
18) Methyl Acetate	4.34	43	4822	0.257	ug/l #	84
31) Cyclohexane	7.66	56	5082	0.950	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	20988	4.635	ug/l #	47
38) Carbon Tetrachloride	7.66	117	28204	5.979	ug/l #	16
43) Isopropyl Acetate	8.25	43	3403	0.463	ug/l #	53
71) Bromoform	12.40	173	1462	0.452	ug/l #	1
74) N-amyl acetate	12.03	43	129	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.40	75	97042	35.618	ug/l #	100
79) 2-Chlorotoluene	12.59	91	67	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	97042	84.617	ug/l #	15

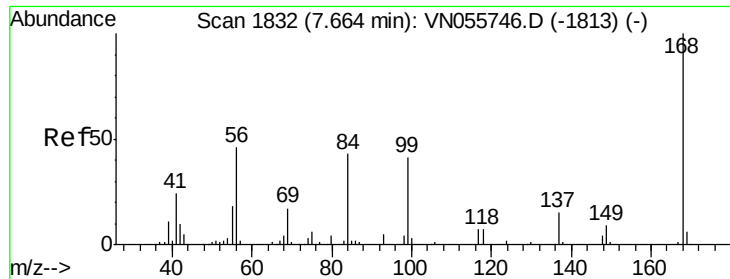
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055924.D

Acq: 31 May 2019 17:14

Instrument :

MSVOA_N

ClientSampleId :

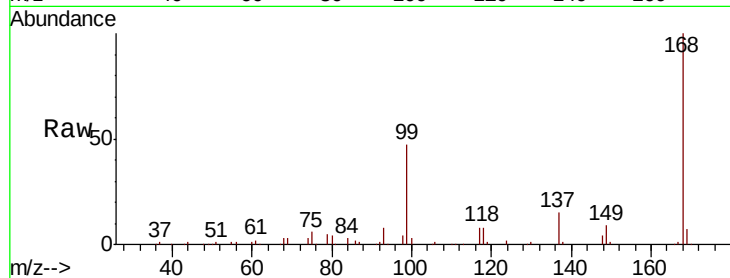
FEQC-TB-053119

Tot Ion:168 Resp: 345077

Ion Ratio Lower Upper

168 100

99 47.0 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

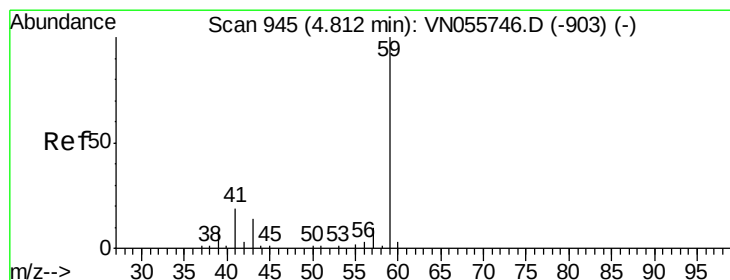
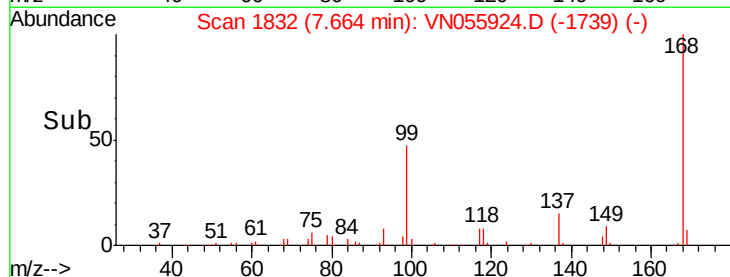
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 0.868 ug/l

RT: 4.74 min Scan# 923

Delta R.T. -0.07 min

Lab File: VN055924.D

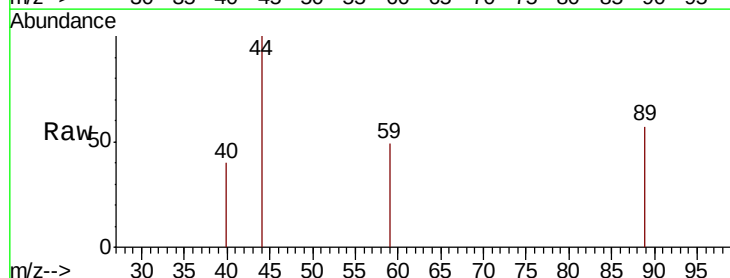
Acq: 31 May 2019 17:14

Tgt Ion: 59 Resp: 591

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

4.74

400

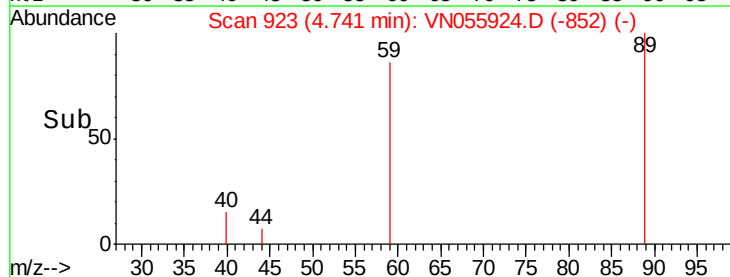
300

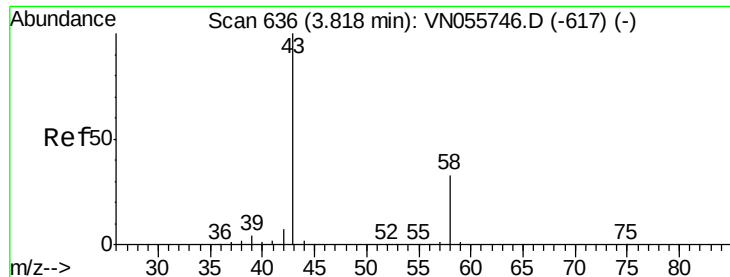
200

100

0

Time--> 4.72 4.74 4.76 4.78





#16

Acetone

Concen: 2.228 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055924.D

Acq: 31 May 2019 17:14

Instrument :

MSVOA_N

ClientSampleId :

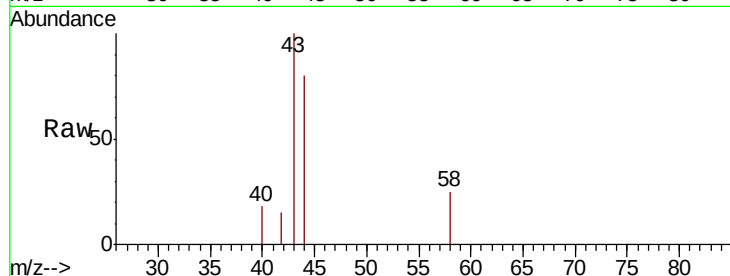
FEQC-TB-053119

Tot Ion: 43 Resp: 3490

Ion Ratio Lower Upper

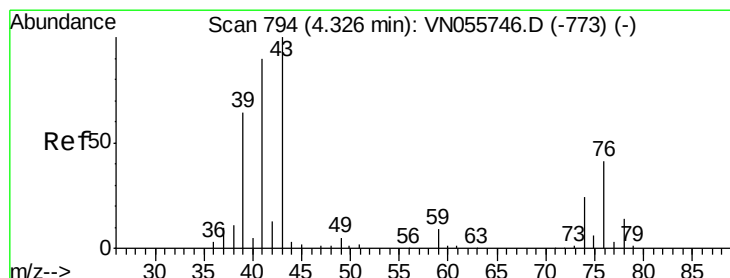
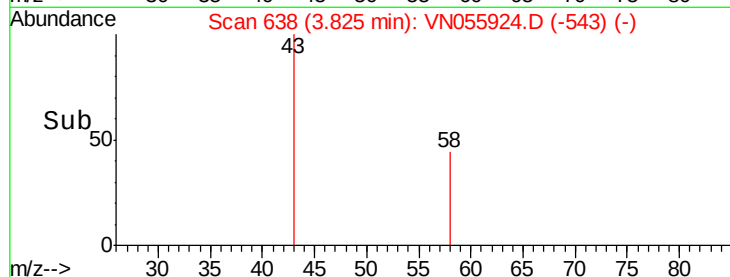
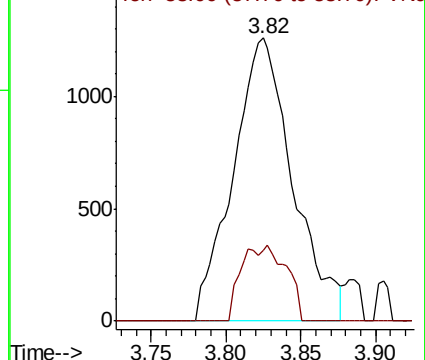
43 100

58 25.0 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: 0.257 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN055924.D

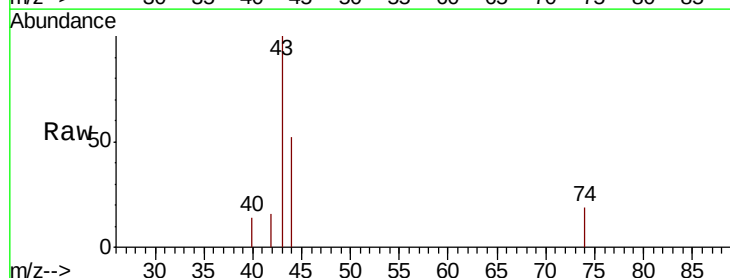
Acq: 31 May 2019 17:14

Tgt Ion: 43 Resp: 4822

Ion Ratio Lower Upper

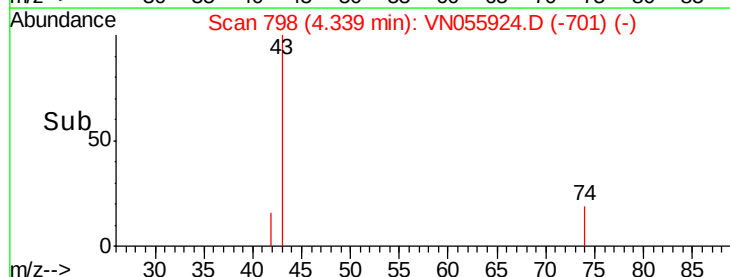
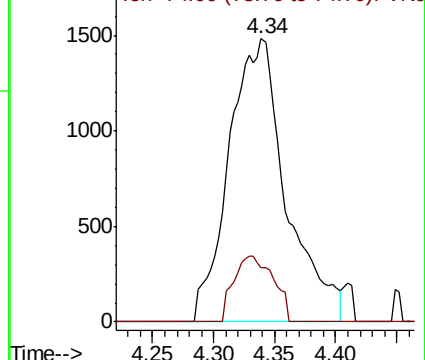
43 100

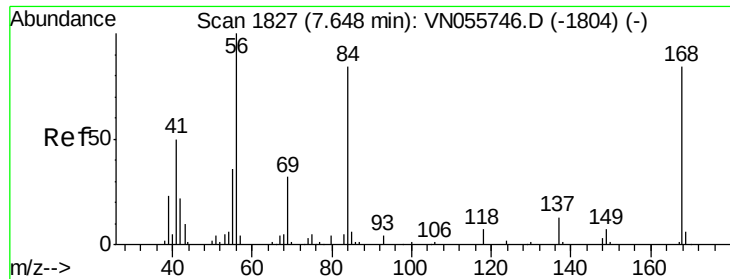
74 16.1 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

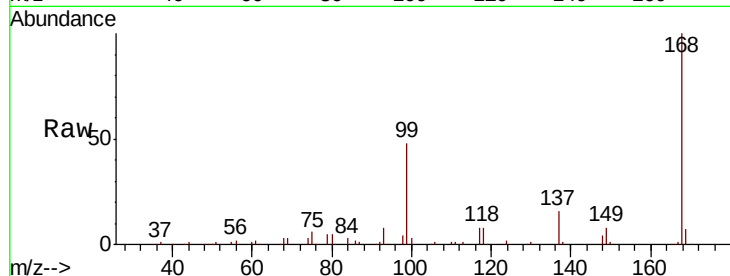




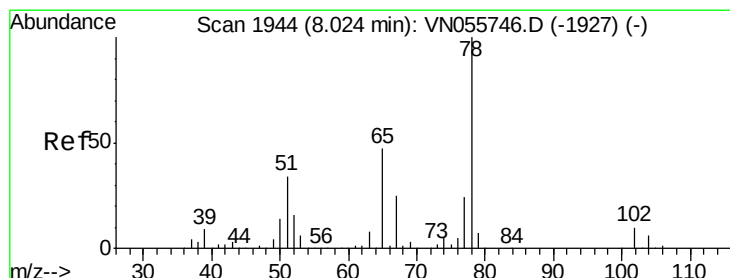
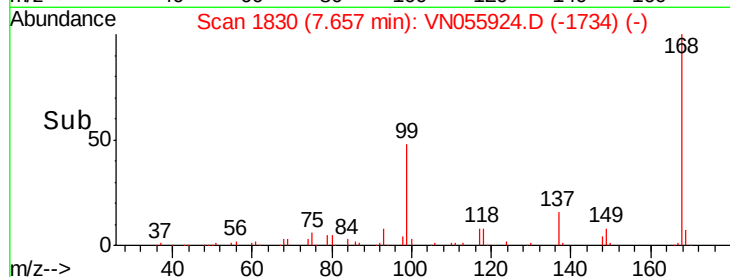
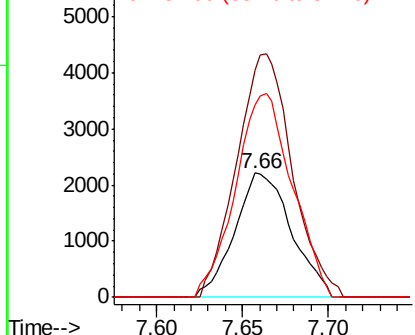
#31
Cyclohexane
Concen: 0.950 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN055924.D
Acq: 31 May 2019 17:14

Instrument :
MSVOA_N
ClientSampleId :
FEQC-TB-053119

Tot Ion: 56 Resp: 5082
Ion Ratio Lower Upper
56 100
69 183.5 25.6 38.4#
84 155.6 67.4 101.0#

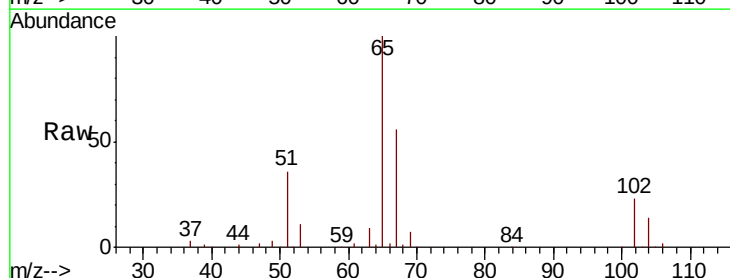


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

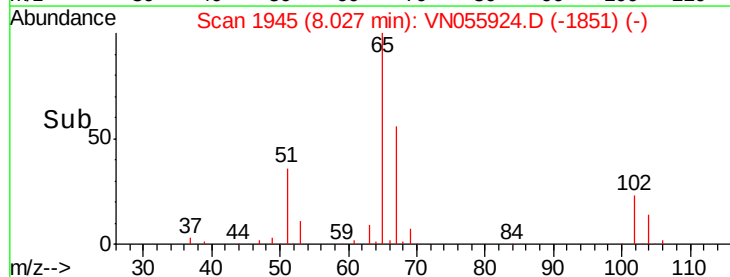
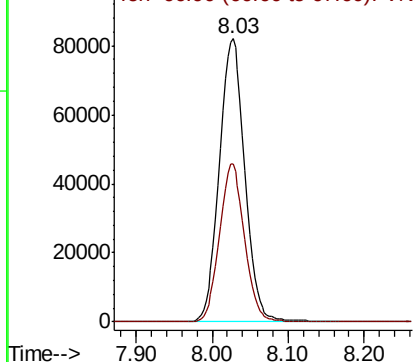


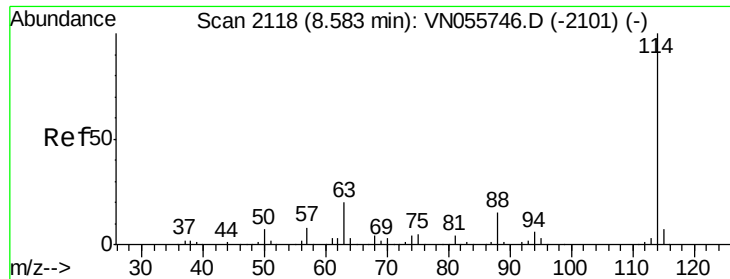
#33
1,2-Dichloroethane-d4
Concen: 53.843 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055924.D
Acq: 31 May 2019 17:14

Tgt Ion: 65 Resp: 191880
Ion Ratio Lower Upper
65 100
67 54.7 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: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN055924.D

Acq: 31 May 2019 17:14

Instrument :

MSVOA_N

ClientSampleId :

FEQC-TB-053119

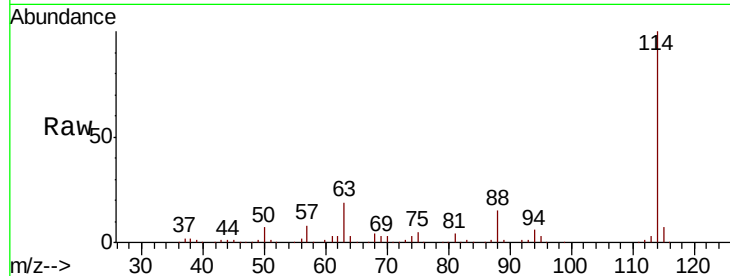
Tot Ion:114 Resp: 519652

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.2

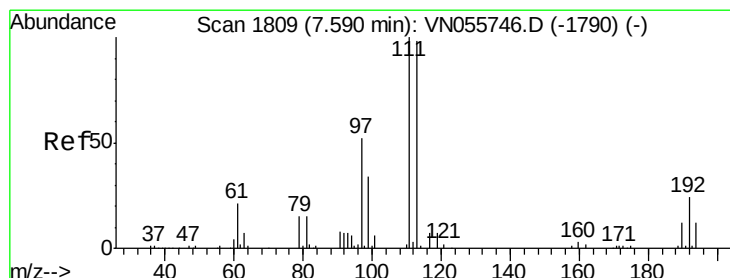
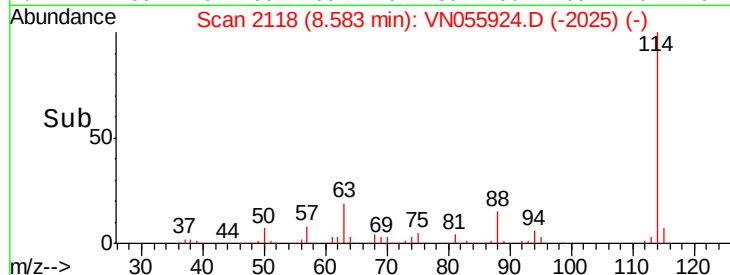
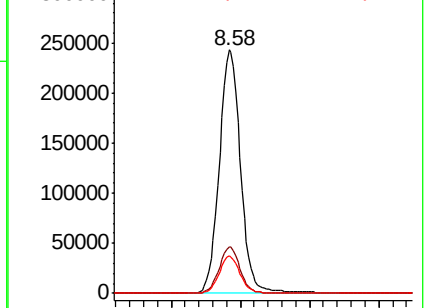
88 15.4 0.0 31.0



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: 50.131 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055924.D

Acq: 31 May 2019 17:14

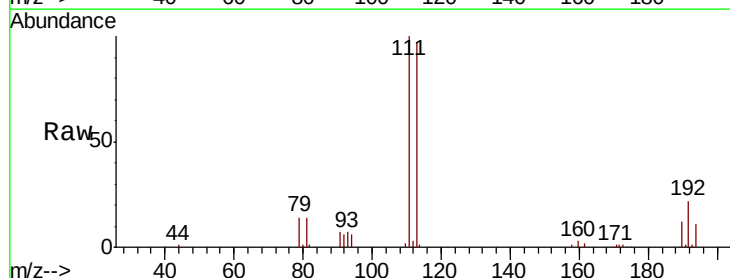
Tgt Ion:113 Resp: 164700

Ion Ratio Lower Upper

113 100

111 104.1 81.9 122.9

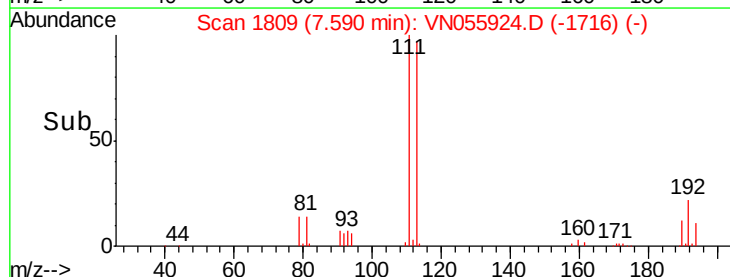
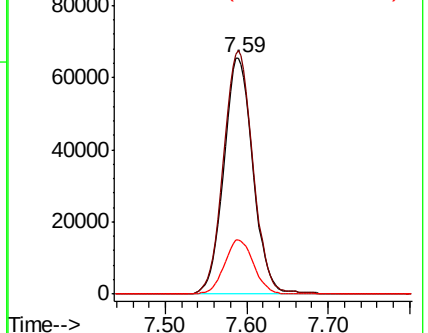
192 23.0 19.5 29.3

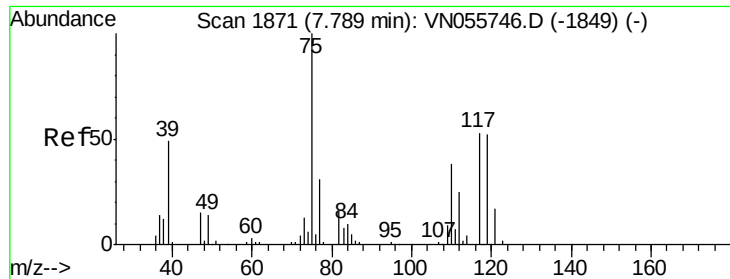


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

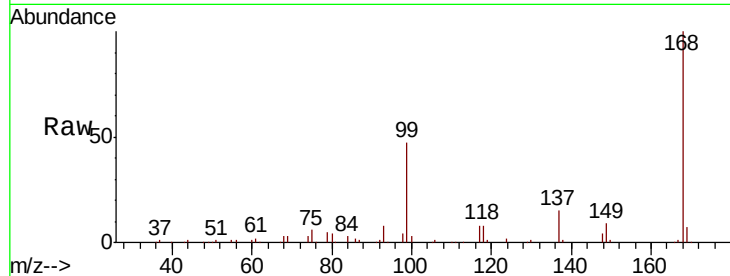




#36
 1,1-Dichloropropene
 Concen: 4.635 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055924.D
 Acq: 31 May 2019 17:14

Instrument :
 MSVOA_N
 ClientSampleId :
 FEQC-TB-053119

Tot Ion	75	Resp	20988
Ion Ratio	100	Lower	Upper
75	100		
110	8.1	19.0	57.0#
77	0.0	25.1	37.7#

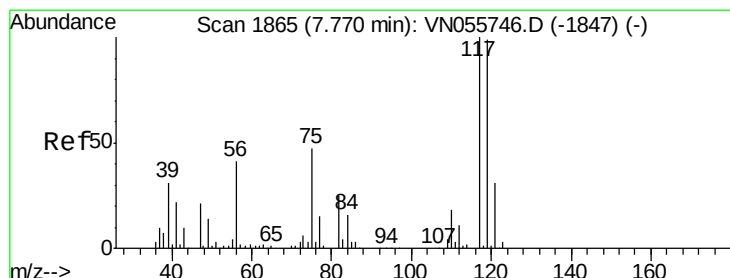
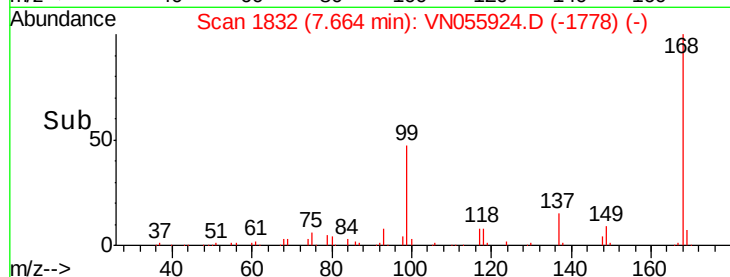
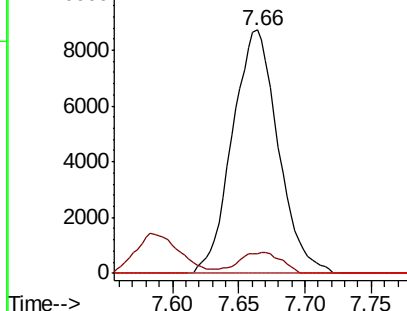


Abundance

Ion 74.90 (74.60 to 75.60): VN0

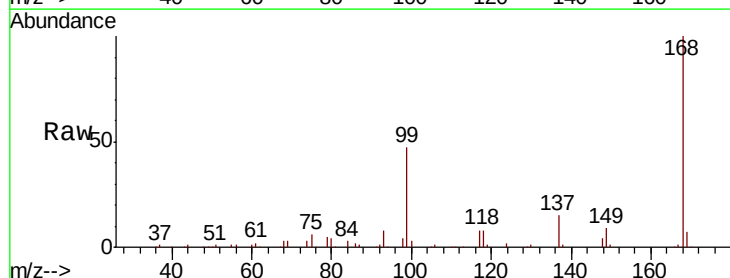
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0



#38
 Carbon Tetrachloride
 Concen: 5.979 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN055924.D
 Acq: 31 May 2019 17:14

Tgt Ion	117	Resp	28204
Ion Ratio	100	Lower	Upper
117	100		
119	6.3	79.0	118.6#
121	0.0	24.7	37.1#

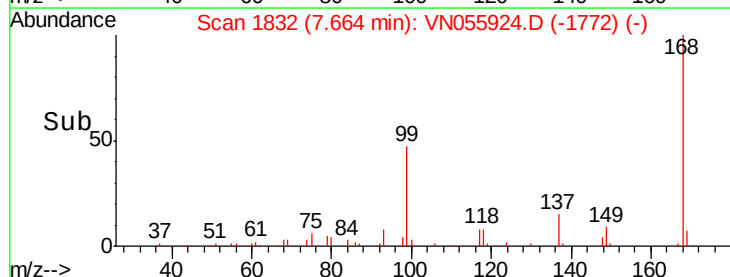
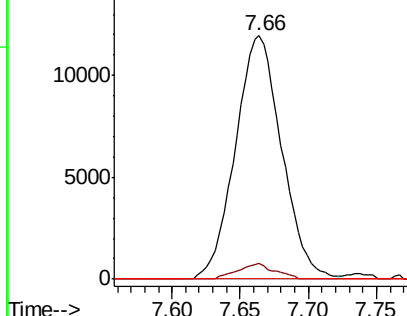


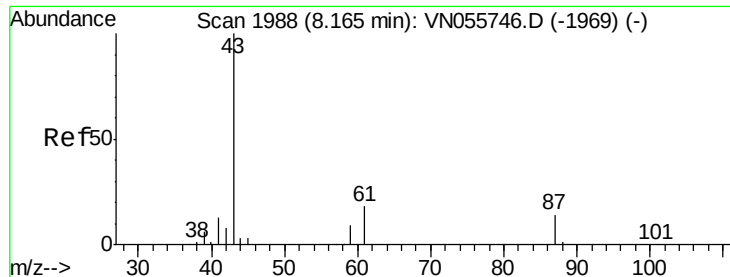
Abundance

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: 0.463 ug/l

RT: 8.25 min Scan# 2014

Delta R.T. 0.08 min

Lab File: VN055924.D

Acq: 31 May 2019 17:14

Instrument :

MSVOA_N

ClientSampleId :

FEQC-TB-053119

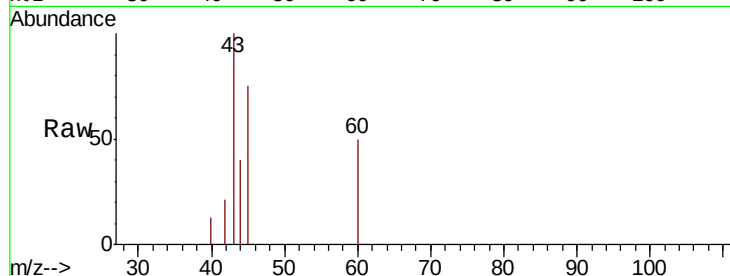
Tot Ion: 43 Resp: 3403

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

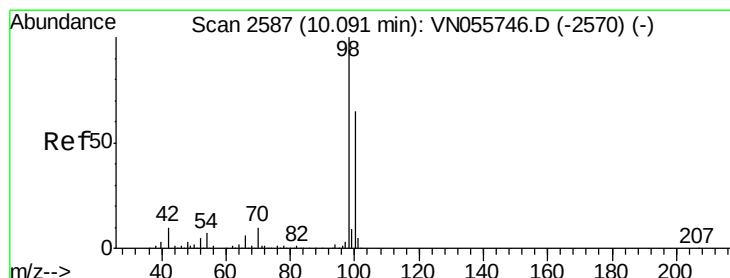
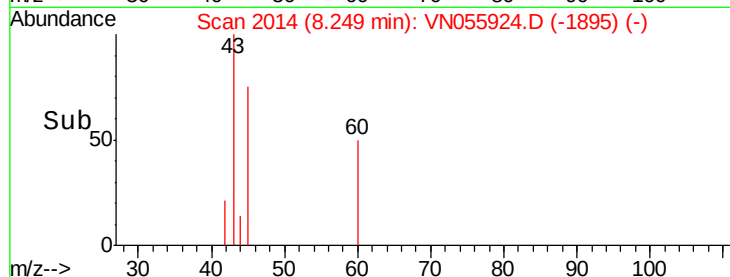
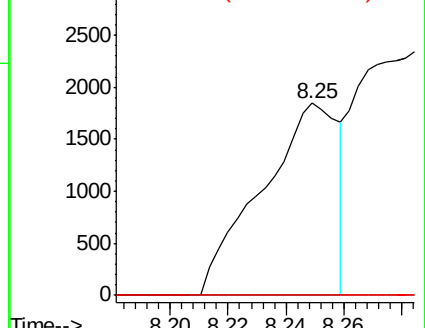
87 0.0 11.4 17.2#



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: 53.334 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055924.D

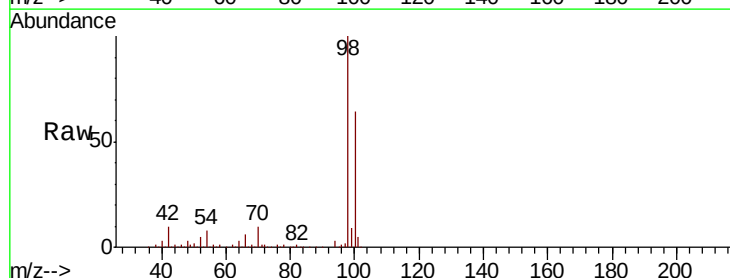
Acq: 31 May 2019 17:14

Tgt Ion: 98 Resp: 672140

Ion Ratio Lower Upper

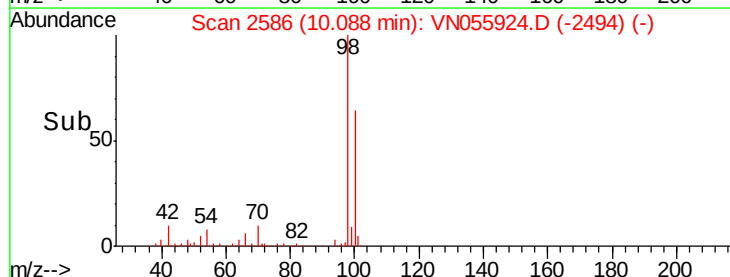
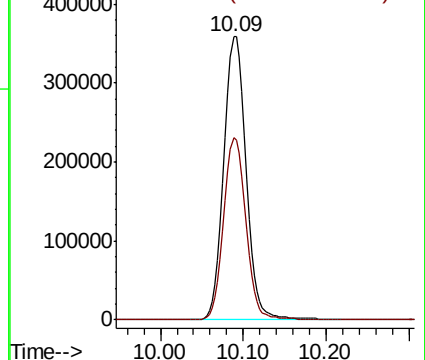
98 100

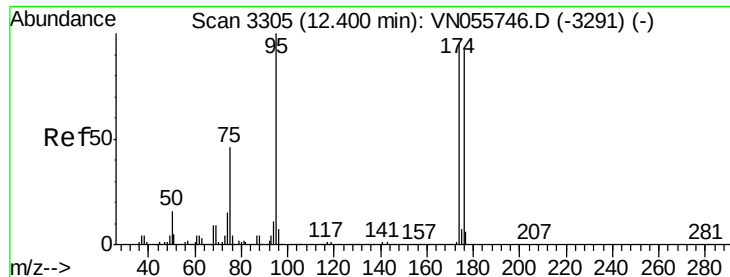
100 64.1 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

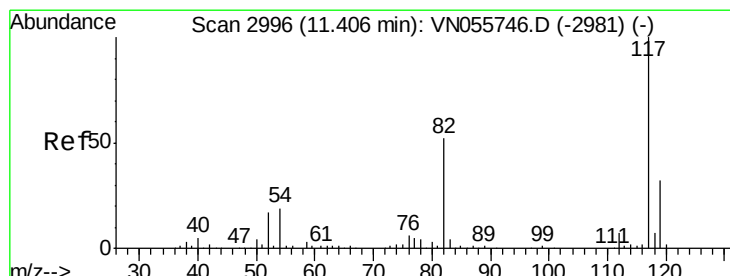
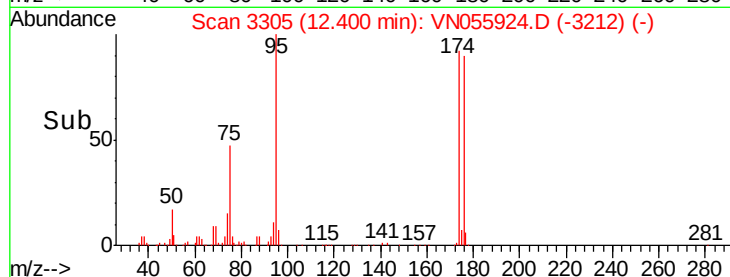
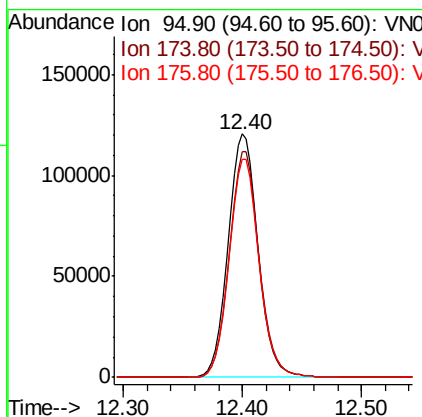
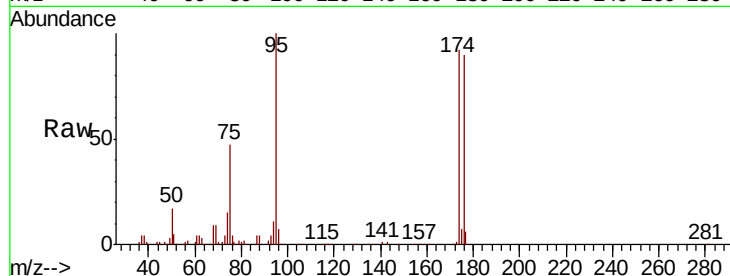




#62
4-Bromofluorobenzene
Concen: 48.523 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055924.D
Acq: 31 May 2019 17:14

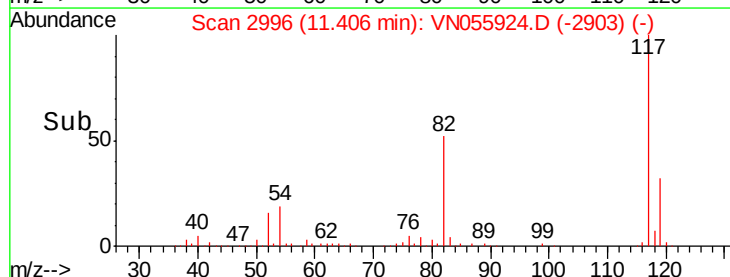
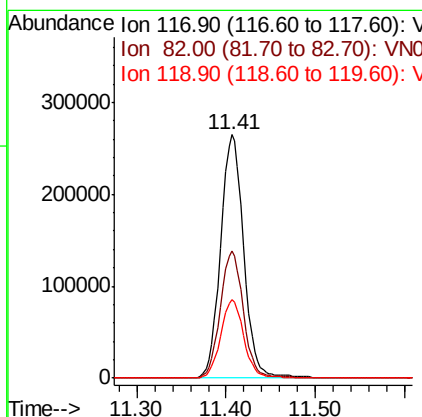
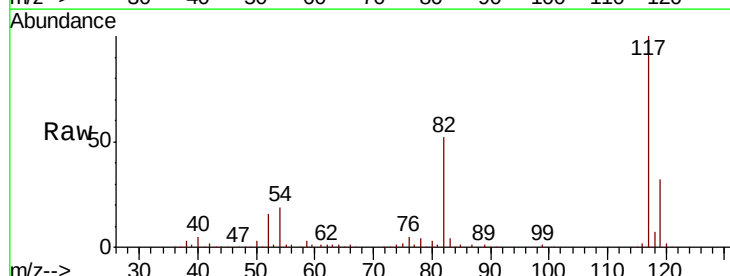
Instrument :
MSVOA_N
ClientSampleId :
FEQC-TB-053119

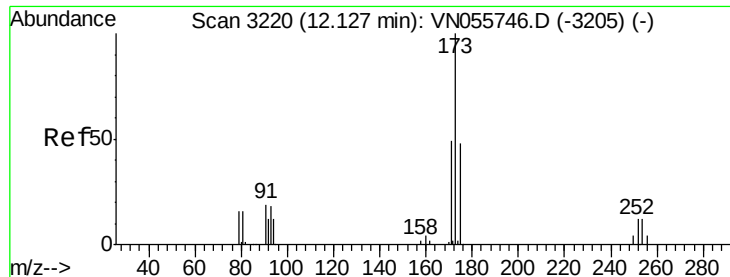
Tot Ion: 95 Resp: 209679
Ion Ratio Lower Upper
95 100
174 92.6 0.0 191.0
176 89.6 0.0 185.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055924.D
Acq: 31 May 2019 17:14

Tgt Ion: 117 Resp: 474736
Ion Ratio Lower Upper
117 100
82 52.1 41.8 62.8
119 32.3 25.4 38.0





#71

Bromoform

Concen: 0.452 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN055924.D

Acq: 31 May 2019 17:14

Instrument :

MSVOA_N

ClientSampleId :

FEQC-TB-053119

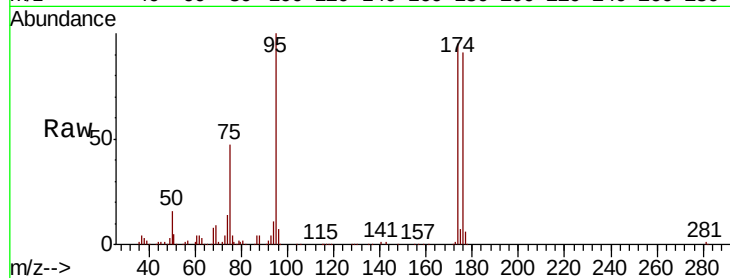
Tot Ion:173 Resp: 1462

Ion Ratio Lower Upper

173 100

175 848.0 24.3 72.8#

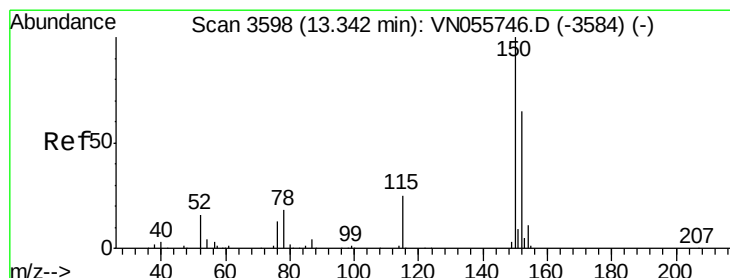
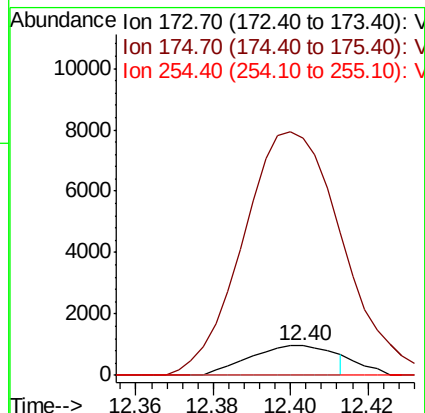
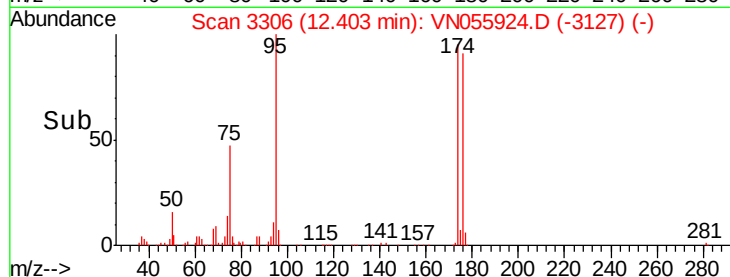
254 0.0 0.0 0.0



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: VN055924.D

Acq: 31 May 2019 17:14

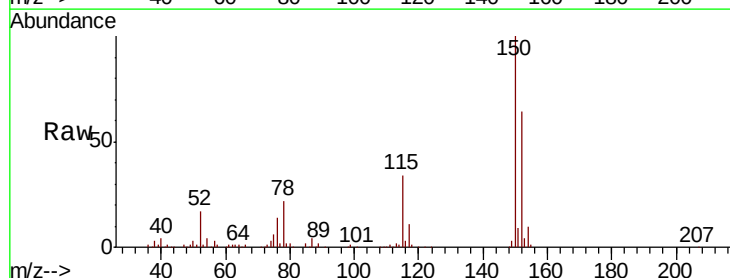
Tgt Ion:152 Resp: 154304

Ion Ratio Lower Upper

152 100

115 53.1 27.0 81.0

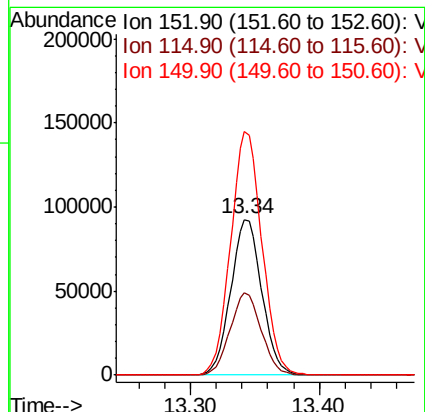
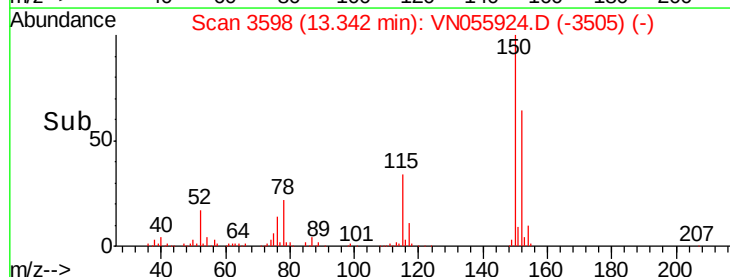
150 157.9 0.0 343.2

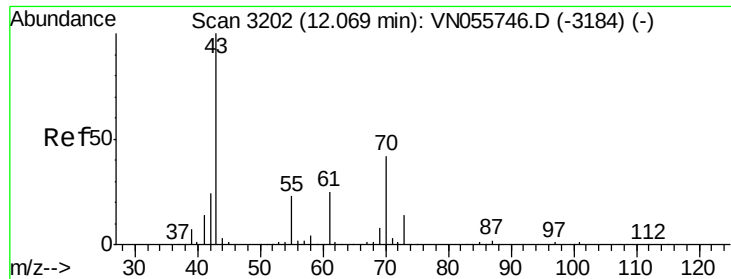


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: Below Cal

RT: 12.03 min Scan# 3191

Delta R.T. -0.03 min

Lab File: VN055924.D

Acq: 31 May 2019 17:14

Instrument :

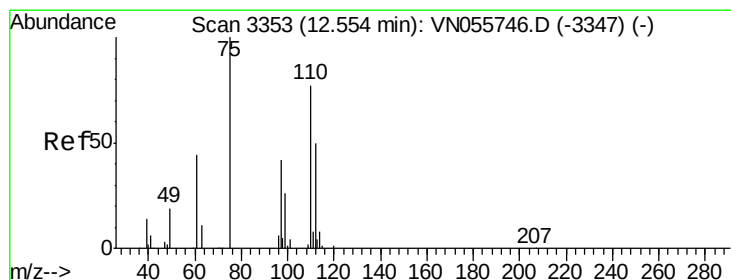
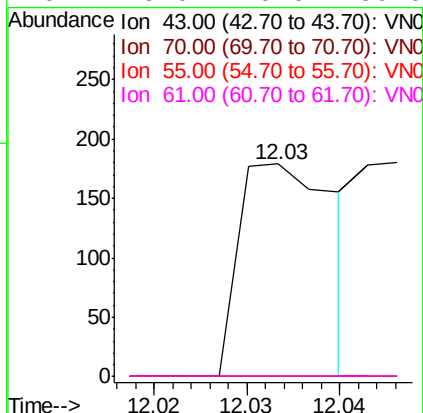
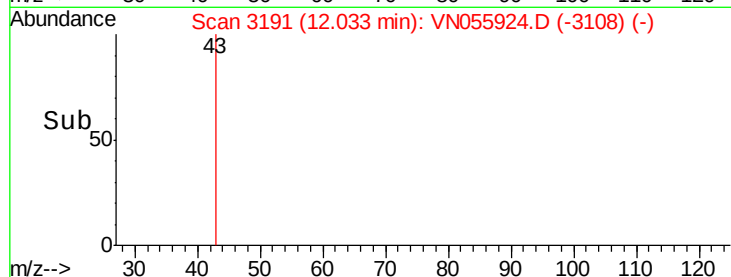
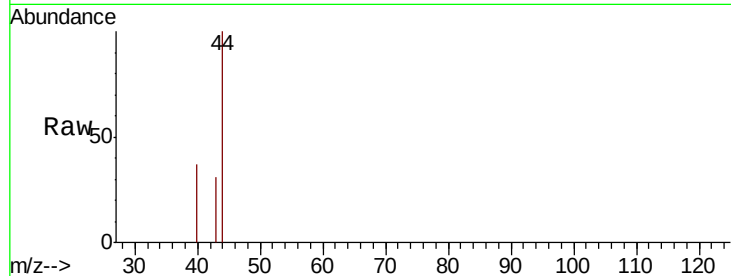
MSVOA_N

ClientSampleId :

FEQC-TB-053119

Tot Ion: 43 Resp: 129

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#



#76

1,2,3-Trichloropropane

Concen: 35.618 ug/l

RT: 12.40 min Scan# 3305

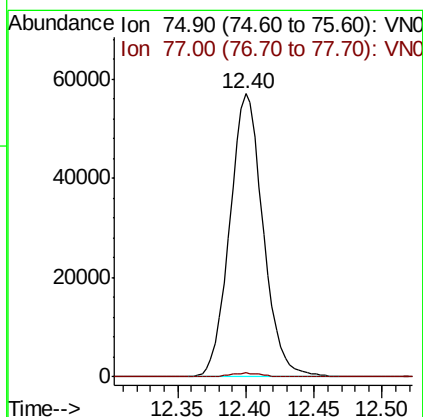
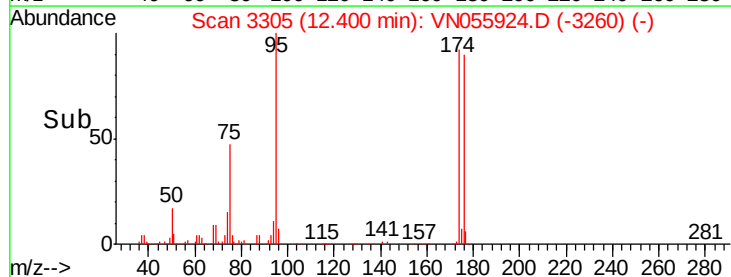
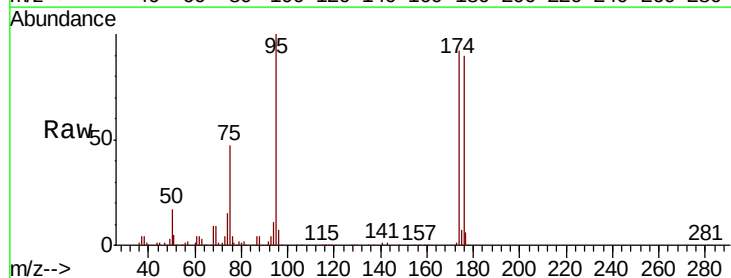
Delta R.T. -0.15 min

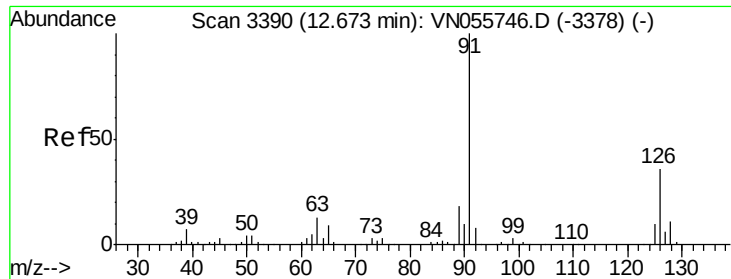
Lab File: VN055924.D

Acq: 31 May 2019 17:14

Tgt Ion: 75 Resp: 97042

Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN055924.D

Acq: 31 May 2019 17:14

Instrument :

MSVOA_N

ClientSampleId :

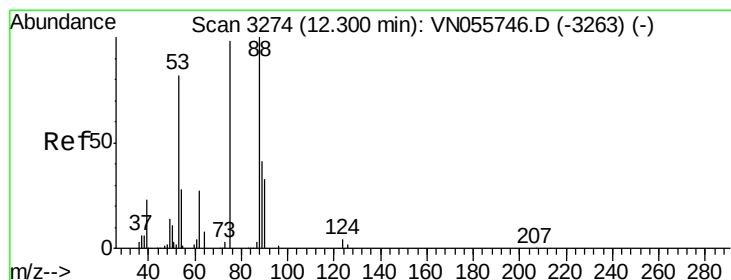
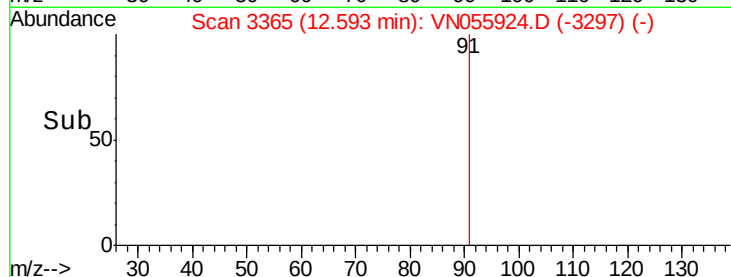
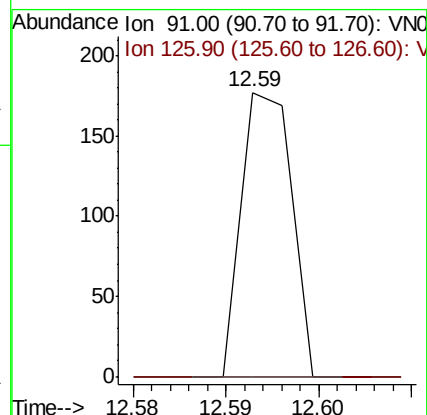
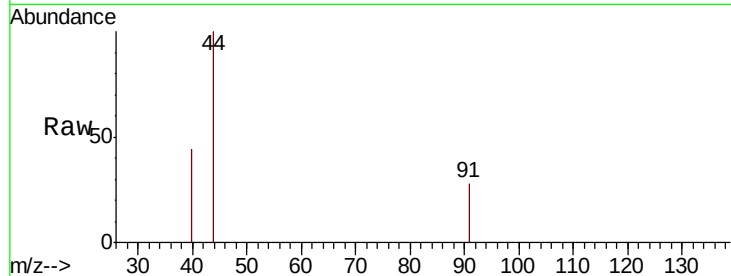
FEQC-TB-053119

Tot Ion: 91 Resp: 67

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 84.617 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055924.D

Acq: 31 May 2019 17:14

Tgt Ion: 75 Resp: 97042

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#

