

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100820\
 Data File : VN063989.D
 Acq On : 8 Oct 2020 14:31
 Operator : JC/MD
 Sample : L4255-21
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EQB-20200928

Quant Time: Oct 09 04:03:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	246338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	447852	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	461137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	177098	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	206146	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
35) Dibromofluoromethane	7.55	113	152679	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
50) Toluene-d8	10.06	98	574877	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
62) 4-Bromofluorobenzene	12.38	95	218557	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	

Target Compounds

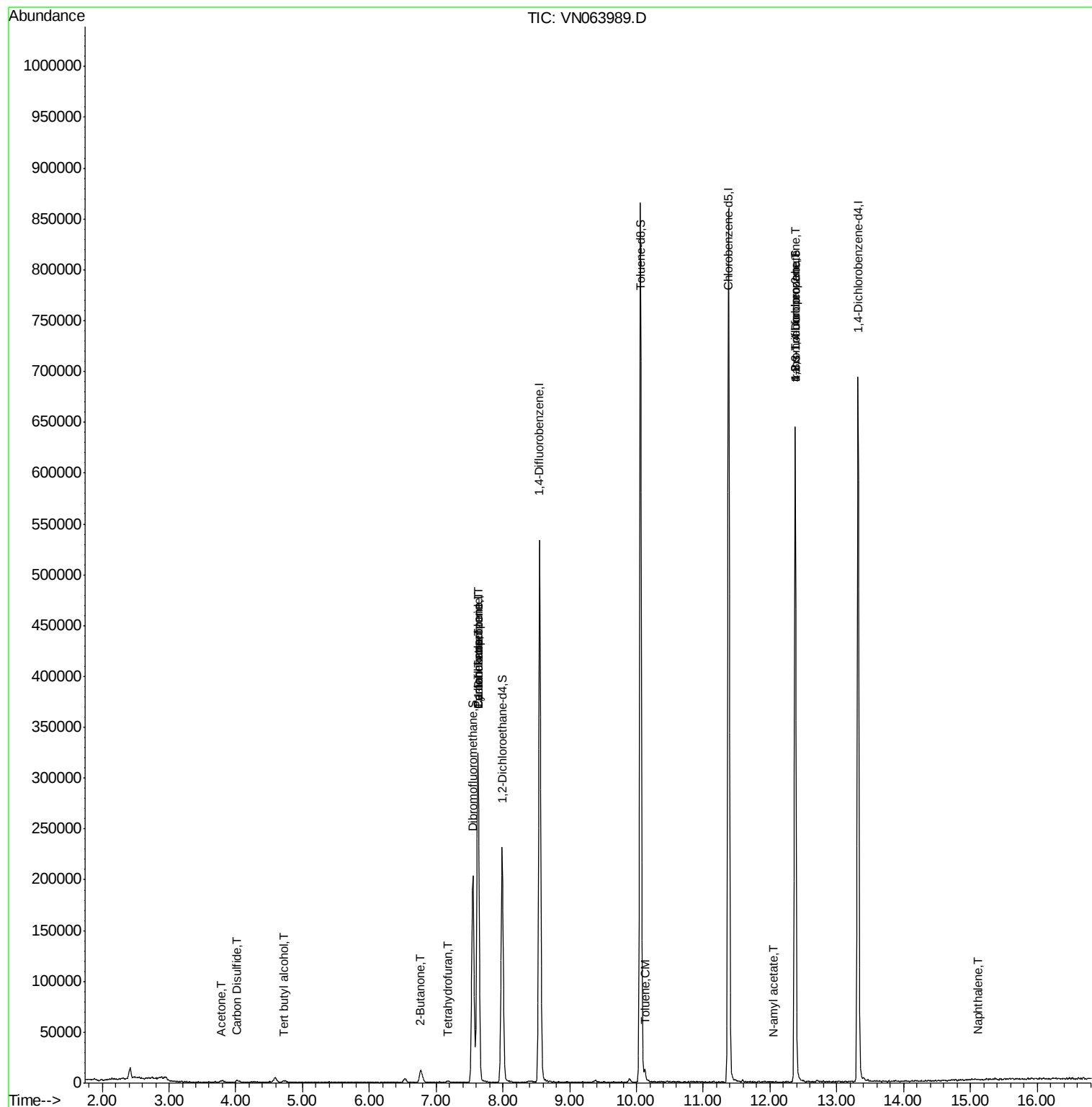
						Qvalue
11) Tert butyl alcohol	4.73	59	1830	4.073	ug/l #	75
16) Acetone	3.78	43	2239	1.787	ug/l	98
17) Carbon Disulfide	4.00	76	546	0.781	ug/l #	76
25) 2-Butanone	6.76	43	550	0.310	ug/l #	51
29) Tetrahydrofuran	7.17	42	981	0.824	ug/l #	69
31) Cyclohexane	7.63	56	5906	1.250	ug/l #	17
36) 1,1-Dichloropropene	7.62	75	21335	4.702	ug/l #	50
38) Carbon Tetrachloride	7.63	117	26959	5.299	ug/l #	14
52) Toluene	10.13	92	3646	0.455	ug/l	97
74) N-amyl acetate	12.04	43	383	2.277	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	121299	31.071	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	121299	89.489	ug/l #	6
95) Naphthalene	15.11	128	64	1.931	ug/l #	69

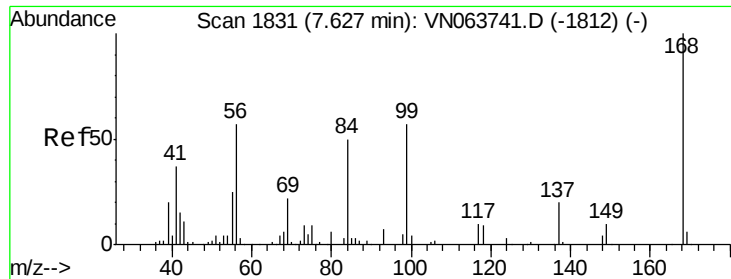
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN063989.D

Acq: 8 Oct 2020 14:31

Instrument :

MSVOA_N

ClientSampleId :

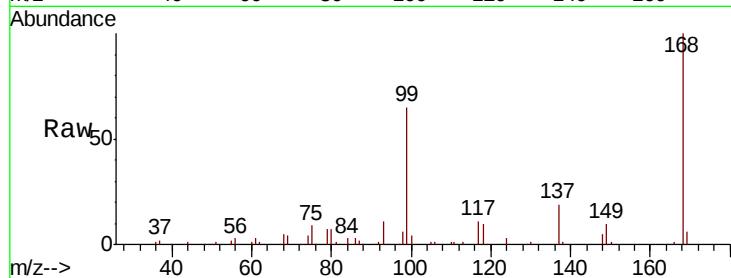
EQB-20200928

Tot Ion:168 Resp: 246338

Ion Ratio Lower Upper

168 100

99 64.6 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

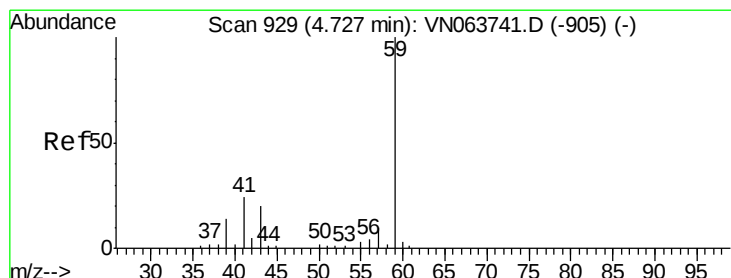
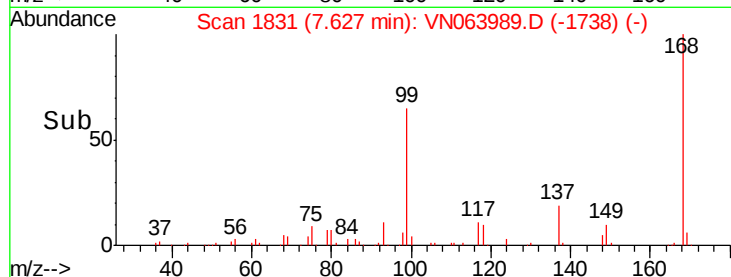
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.073 ug/l

RT: 4.73 min Scan# 929

Delta R.T. -0.00 min

Lab File: VN063989.D

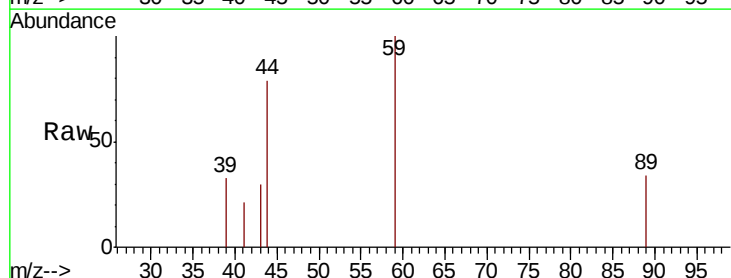
Acq: 8 Oct 2020 14:31

Tgt Ion: 59 Resp: 1830

Ion Ratio Lower Upper

59 100

57 1.6 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.73

800

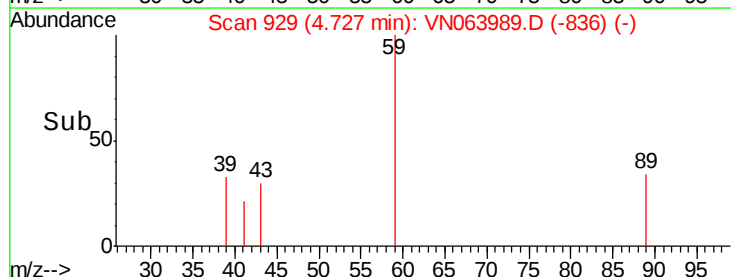
600

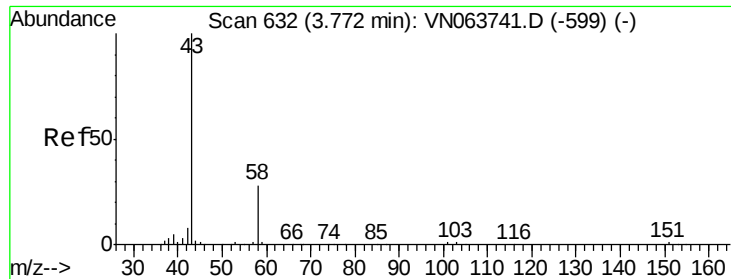
400

200

0

Time-->





#16

Acetone

Concen: 1.787 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN063989.D

Acq: 8 Oct 2020 14:31

Instrument :

MSVOA_N

ClientSampleId :

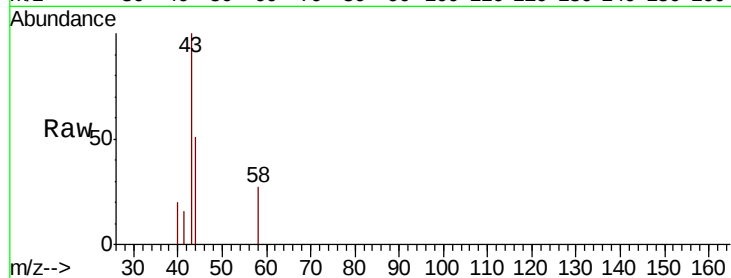
EQB-20200928

Tot Ion: 43 Resp: 2239

Ion Ratio Lower Upper

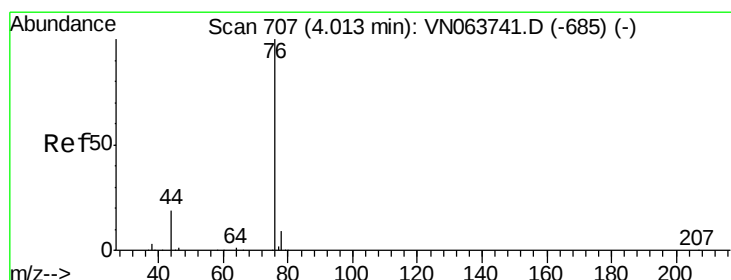
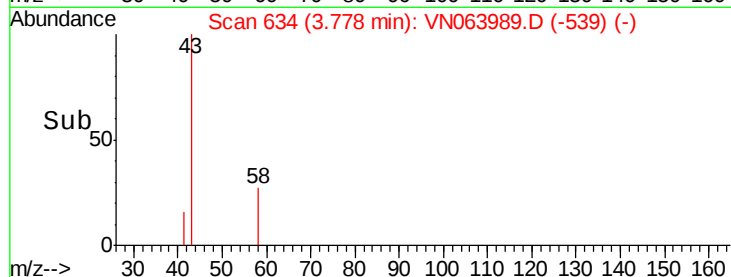
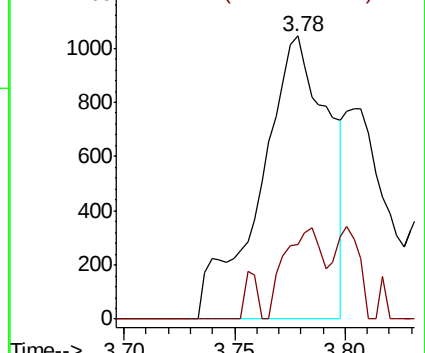
43 100

58 26.6 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN063989.D (-539) (-)

Ion 58.00 (57.70 to 58.70): VN063989.D (-539) (-)



#17

Carbon Disulfide

Concen: 0.781 ug/l

RT: 4.00 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN063989.D

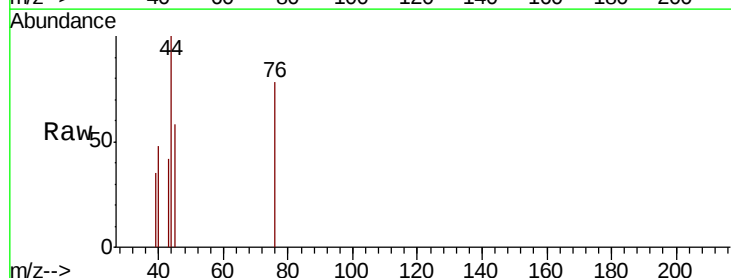
Acq: 8 Oct 2020 14:31

Tgt Ion: 76 Resp: 546

Ion Ratio Lower Upper

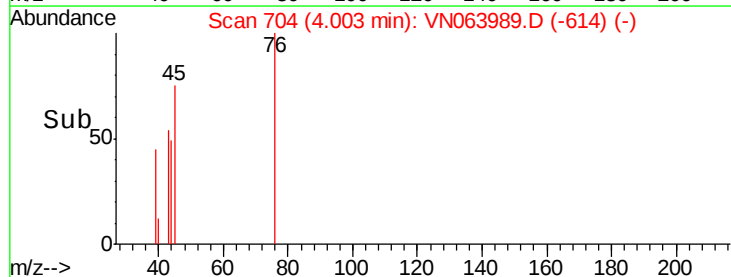
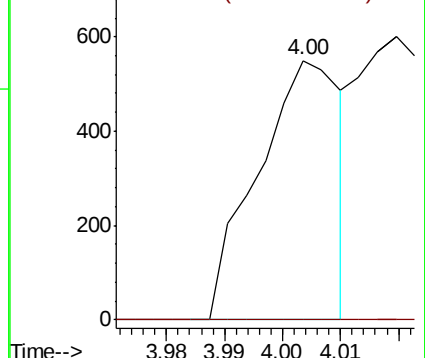
76 100

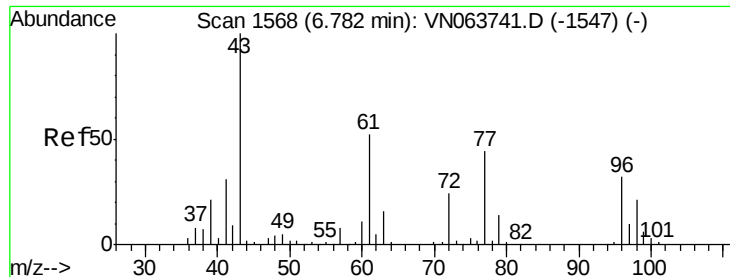
78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VN063989.D (-614) (-)

Ion 77.90 (77.60 to 78.60): VN063989.D (-614) (-)





#25

2-Butanone

Concen: 0.310 ug/l

RT: 6.76 min Scan# 1562

Delta R.T. -0.02 min

Lab File: VN063989.D

Acq: 8 Oct 2020 14:31

Instrument :

MSVOA_N

ClientSampled :

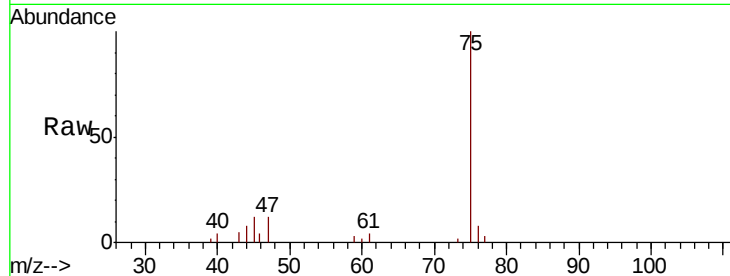
EQB-20200928

Tot Ion: 43 Resp: 550

Ion Ratio Lower Upper

43 100

72 0.0 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.76

400

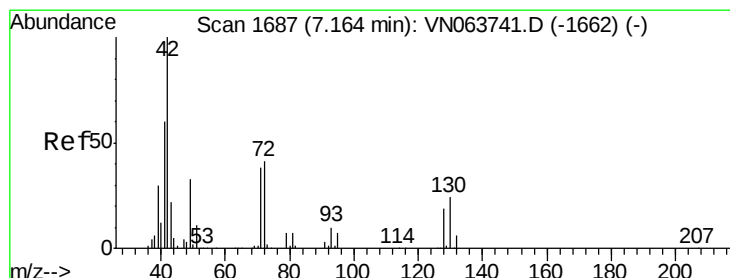
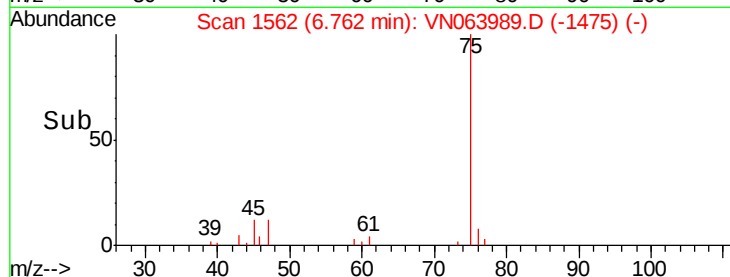
300

200

100

0

Time-->



#29

Tetrahydrofuran

Concen: 0.824 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VN063989.D

Acq: 8 Oct 2020 14:31

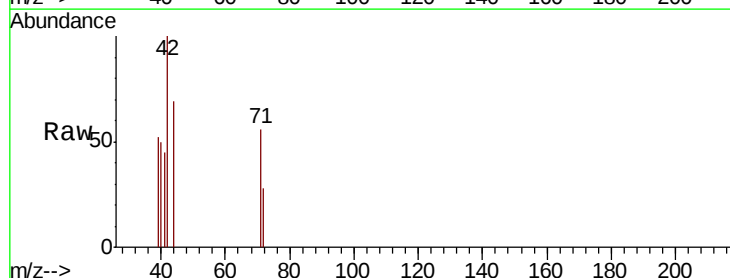
Tgt Ion: 42 Resp: 981

Ion Ratio Lower Upper

42 100

72 13.9 32.8 49.2#

71 27.7 30.6 45.8#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

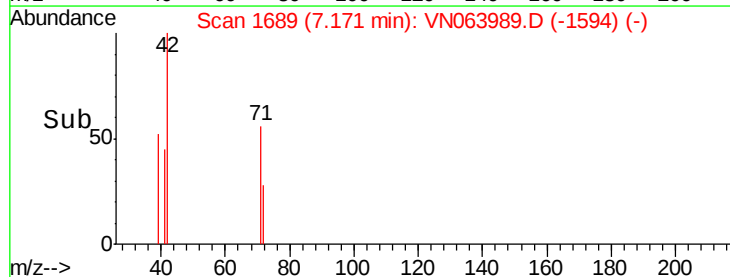
600

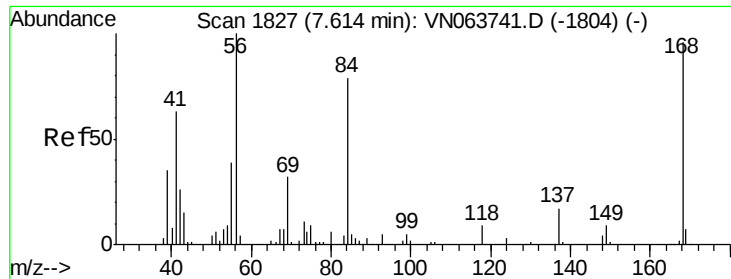
400

200

0

Time-->

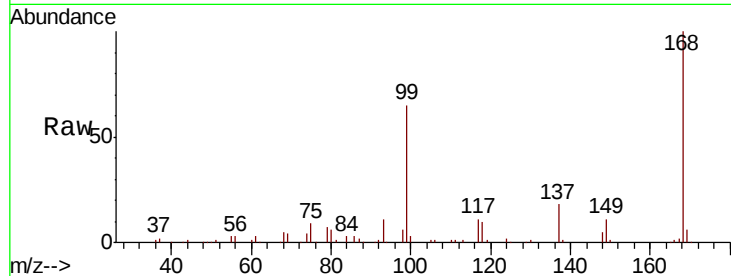




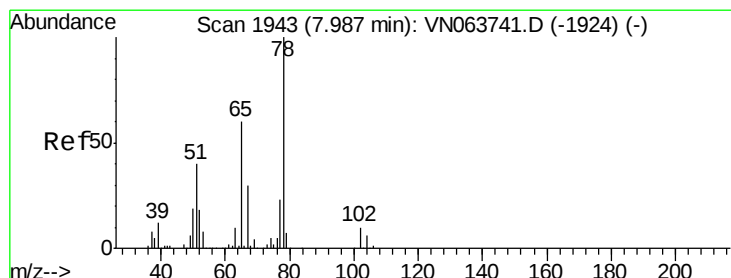
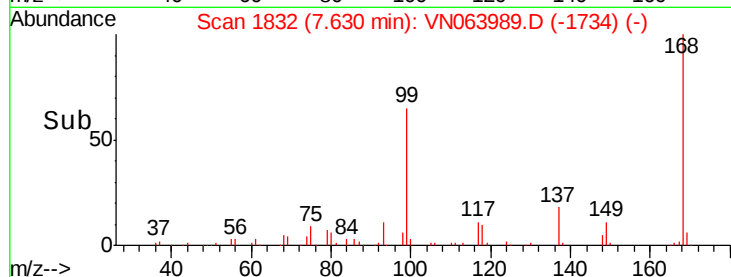
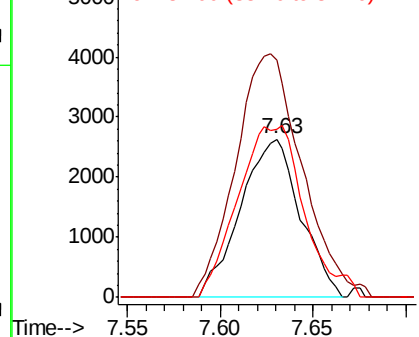
#31
Cyclohexane
Concen: 1.250 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN063989.D
Acq: 8 Oct 2020 14:31

Instrument :
MSVOA_N
ClientSampleId :
EQB-20200928

Tot Ion: 56 Resp: 5906
Ion Ratio Lower Upper
56 100
69 149.9 25.4 38.2#
84 106.3 63.3 94.9#

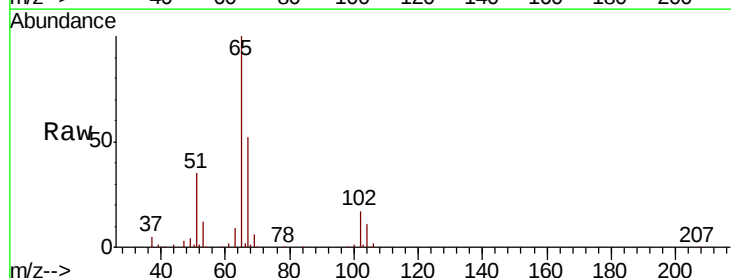


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

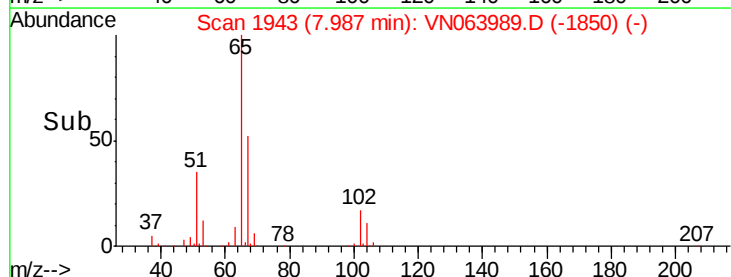
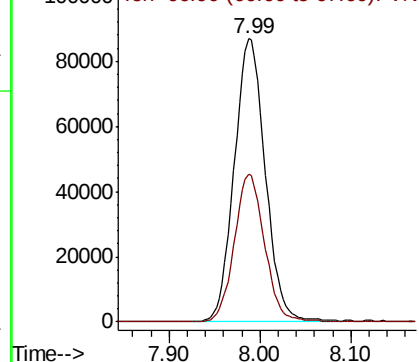


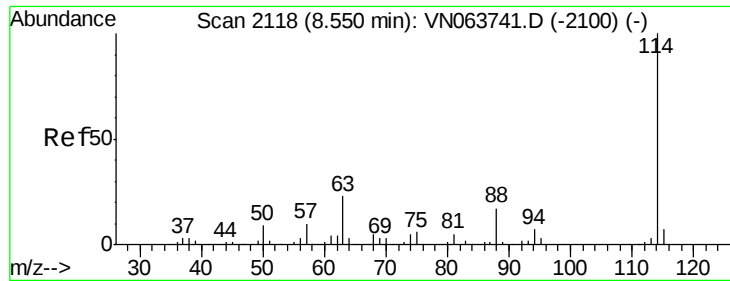
#33
1,2-Dichloroethane-d4
Concen: 50.654 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063989.D
Acq: 8 Oct 2020 14:31

Tgt Ion: 65 Resp: 206146
Ion Ratio Lower Upper
65 100
67 50.8 0.0 99.6



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

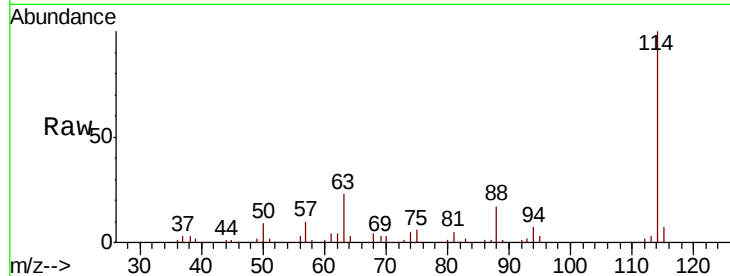




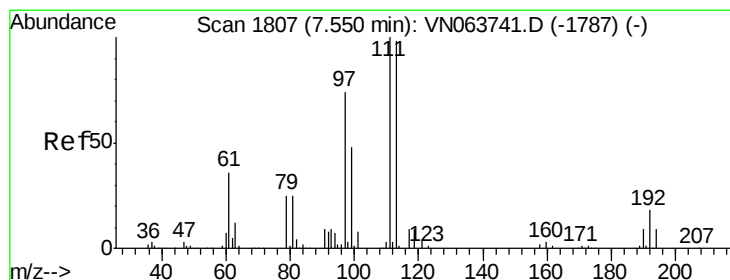
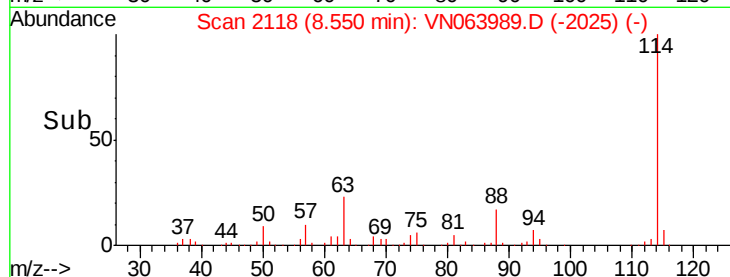
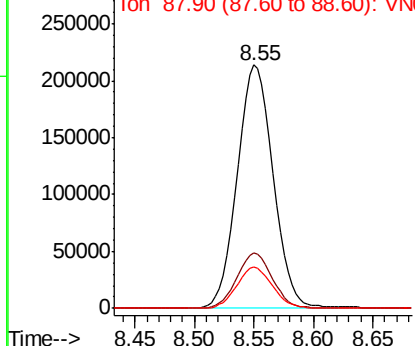
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063989.D
 Acq: 8 Oct 2020 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 EQB-20200928

Tot Ion:114 Resp: 447852
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.0
 88 17.1 0.0 34.0

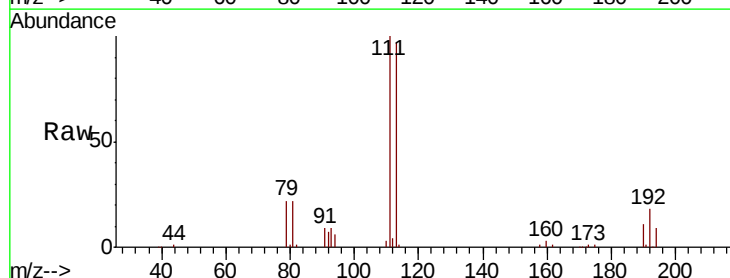


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

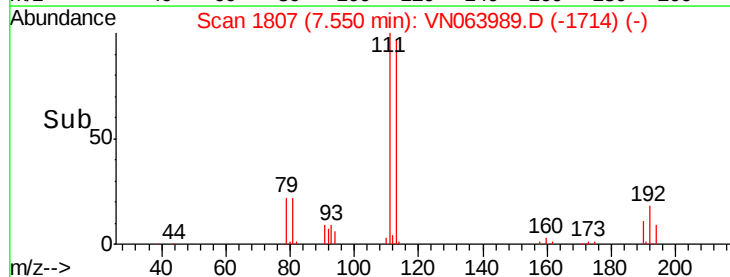
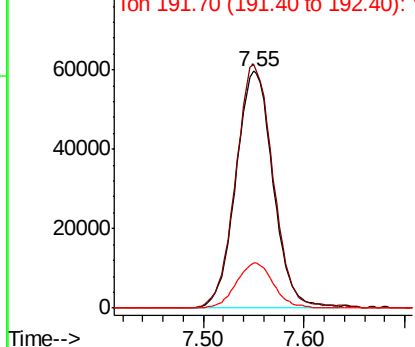


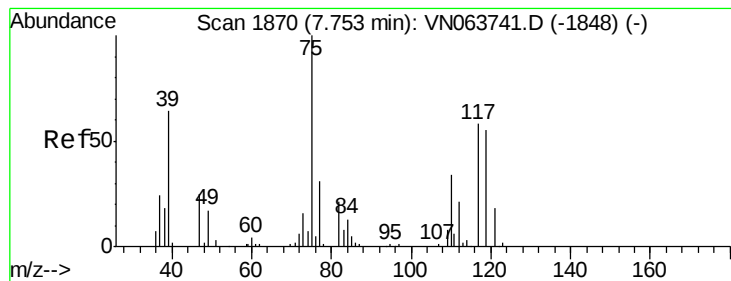
#35
 Dibromofluoromethane
 Concen: 49.132 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN063989.D
 Acq: 8 Oct 2020 14:31

Tgt Ion:113 Resp: 152679
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.8 122.8
 192 18.9 14.2 21.2



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: 4.702 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063989.D

Acq: 8 Oct 2020 14:31

Instrument :

MSVOA_N

ClientSampleId :

EQB-20200928

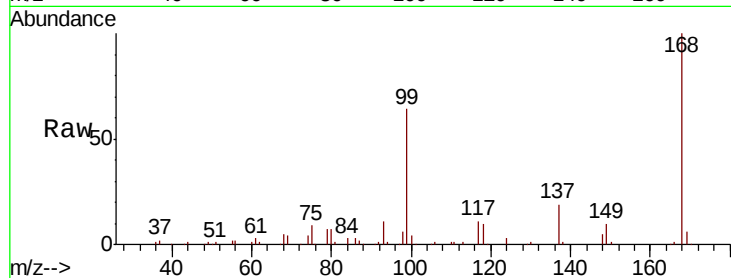
Tot Ion: 75 Resp: 21335

Ion Ratio Lower Upper

75 100

110 8.6 16.9 50.6#

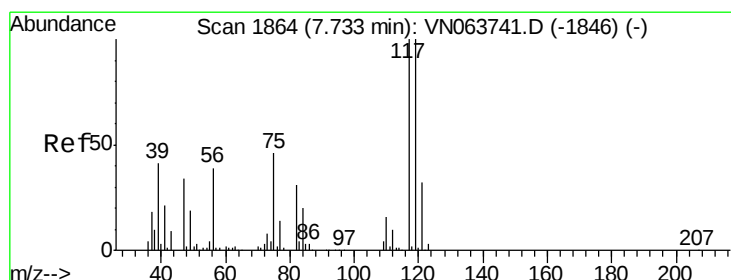
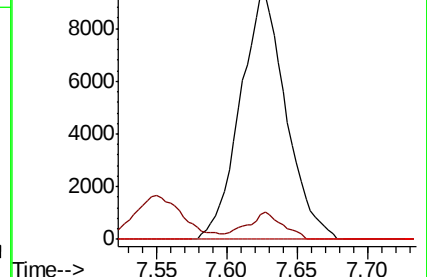
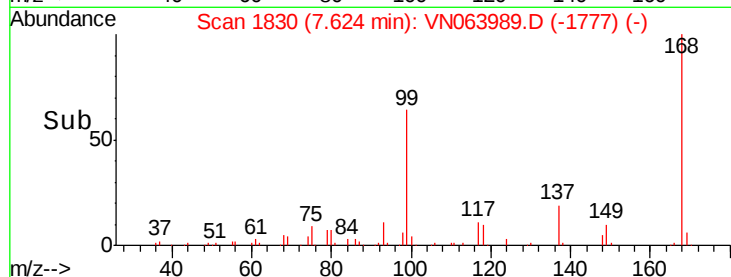
77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VN063989.D (-1777) (-)

Ion 109.90 (109.60 to 110.60): VN063989.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN063989.D (-1777) (-)



#38

Carbon Tetrachloride

Concen: 5.299 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063989.D

Acq: 8 Oct 2020 14:31

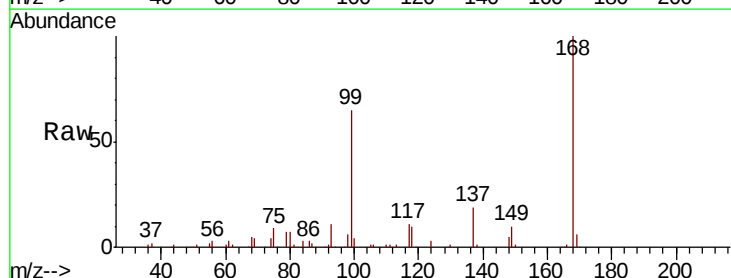
Tgt Ion: 117 Resp: 26959

Ion Ratio Lower Upper

117 100

119 4.4 80.1 120.1#

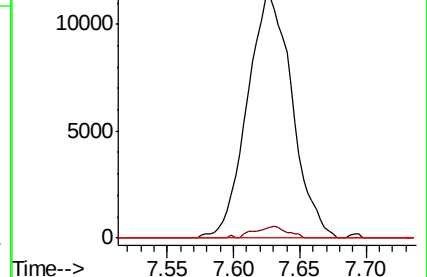
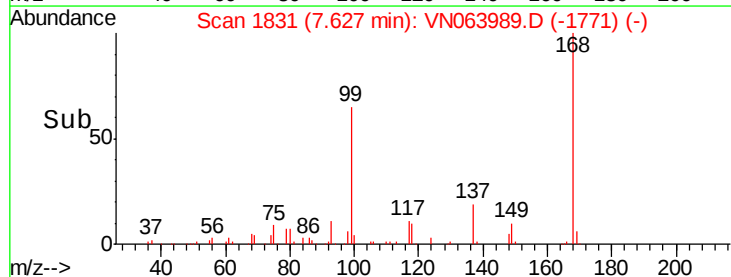
121 0.0 25.7 38.5#

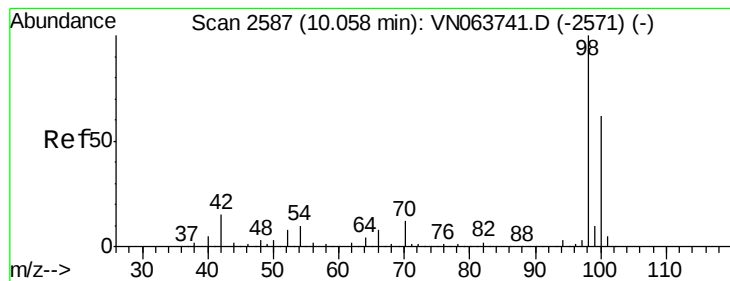


Abundance Ion 116.80 (116.50 to 117.50): VN063989.D (-1771) (-)

Ion 118.80 (118.50 to 119.50): VN063989.D (-1771) (-)

Ion 120.80 (120.50 to 121.50): VN063989.D (-1771) (-)





#50

Toluene-d8

Concen: 48.800 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063989.D

Acq: 8 Oct 2020 14:31

Instrument :

MSVOA_N

ClientSampleId :

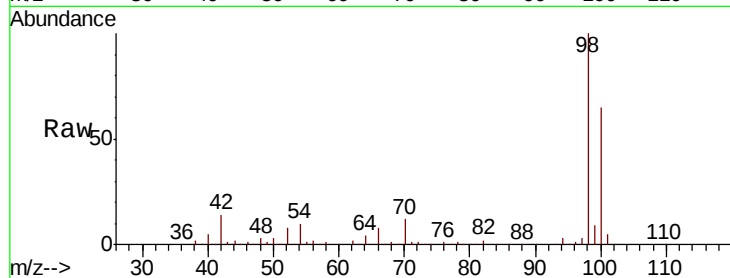
EQB-20200928

Tot Ion: 98 Resp: 574877

Ion Ratio Lower Upper

98 100

100 63.2 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN063741.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN063741.D (-2571) (-)

10.06

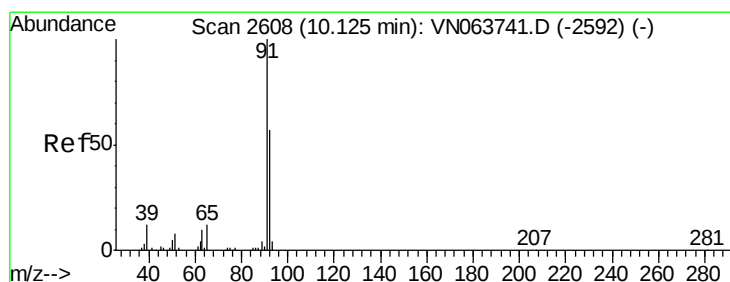
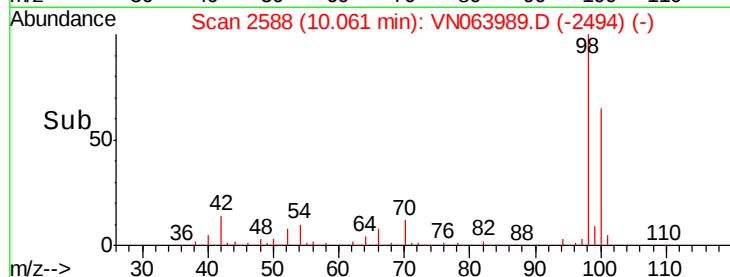
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 0.455 ug/l

RT: 10.13 min Scan# 2609

Delta R.T. 0.00 min

Lab File: VN063989.D

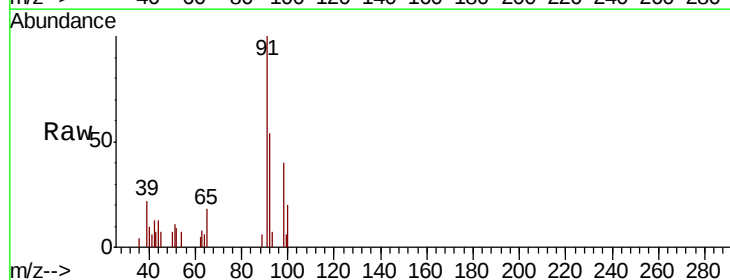
Acq: 8 Oct 2020 14:31

Tgt Ion: 92 Resp: 3646

Ion Ratio Lower Upper

92 100

91 171.1 140.6 210.8



Abundance Ion 92.00 (91.70 to 92.70): VN063741.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN063741.D (-2592) (-)

4000

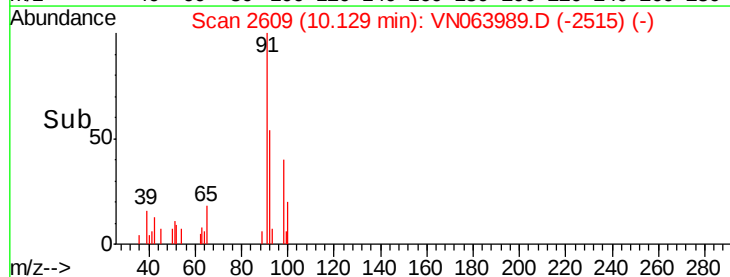
3000

2000

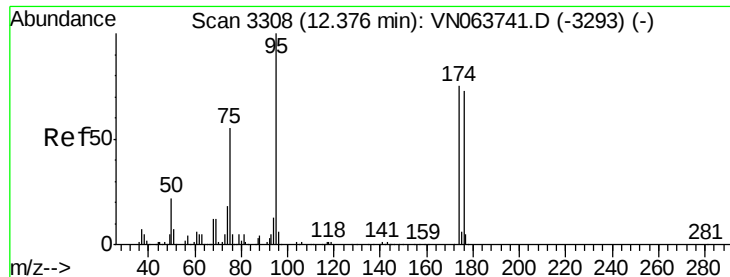
1000

0

Time-->



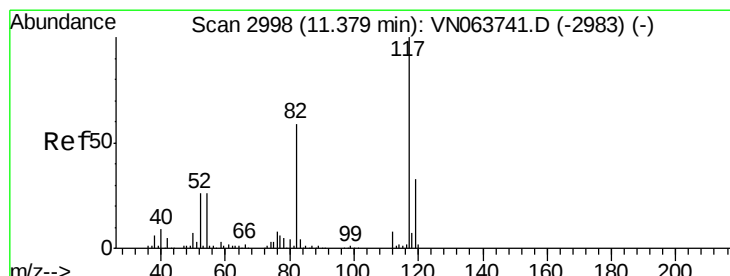
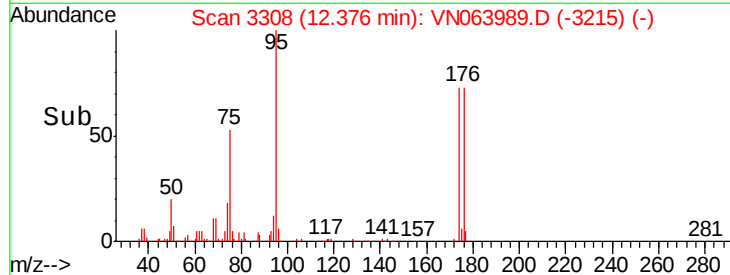
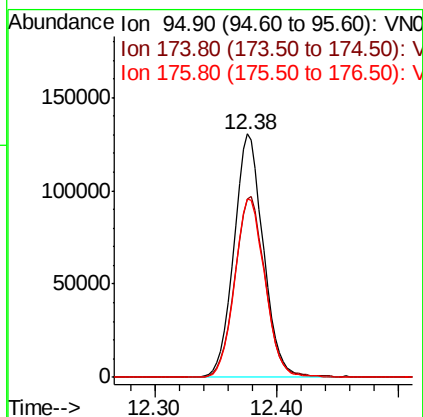
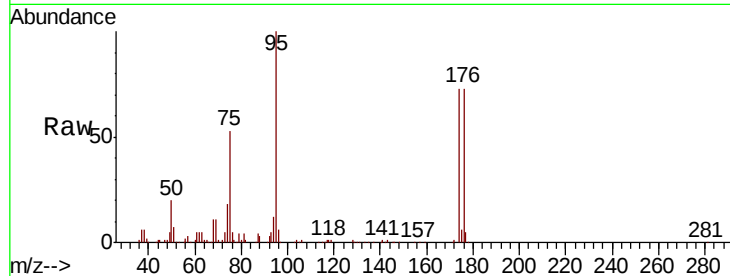
Time-->



#62
4-Bromofluorobenzene
Concen: 49.354 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063989.D
Acq: 8 Oct 2020 14:31

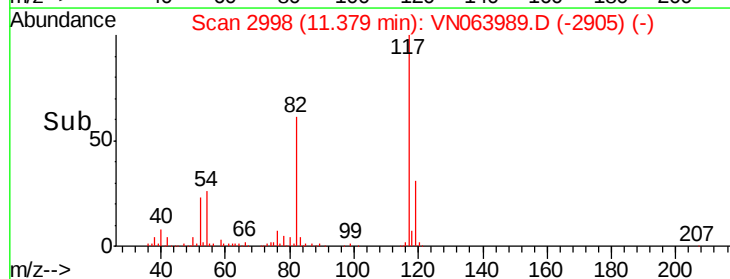
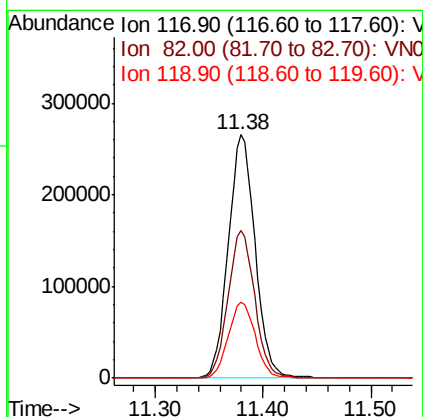
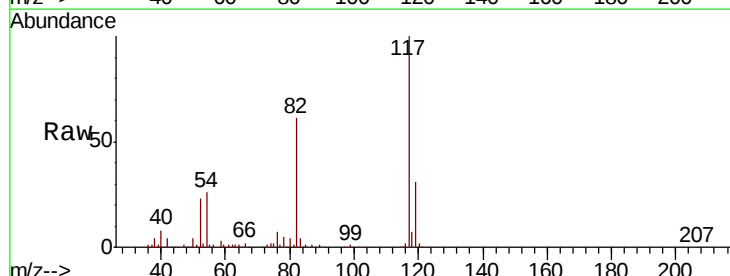
Instrument :
MSVOA_N
ClientSampleId :
EQB-20200928

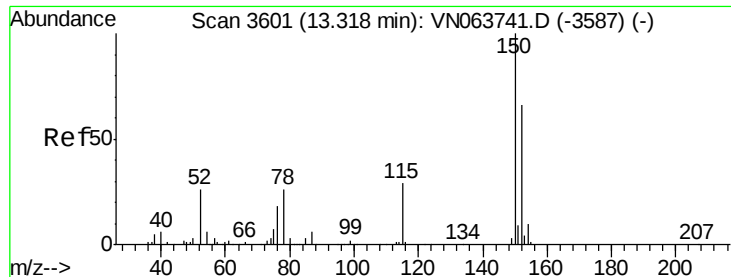
Tot Ion	95	Resp	218557
Ion Ratio	Lower	Upper	
95	100		
174	76.5	0.0	150.6
176	75.1	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063989.D
Acq: 8 Oct 2020 14:31

Tgt Ion	117	Resp	461137
Ion Ratio	Lower	Upper	
117	100		
82	60.7	47.4	71.2
119	31.2	26.4	39.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063989.D

Acq: 8 Oct 2020 14:31

Instrument :

MSVOA_N

ClientSampleId :

EQB-20200928

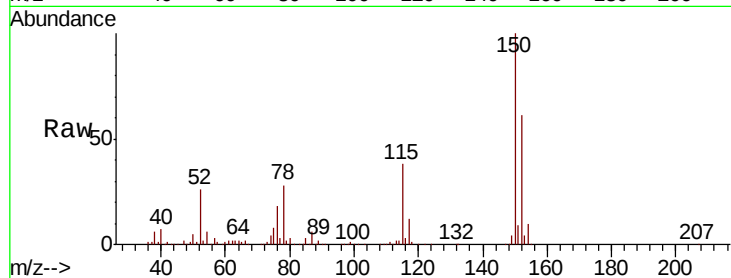
Tot Ion:152 Resp: 177098

Ion Ratio Lower Upper

152 100

115 62.4 31.3 93.8

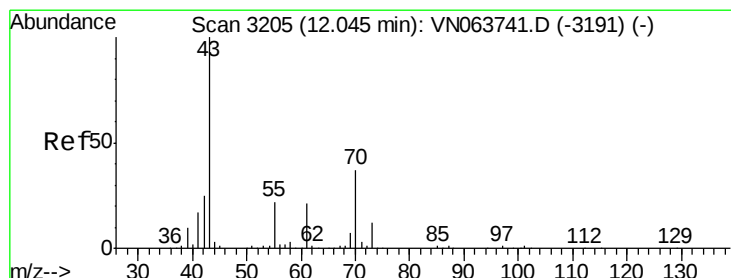
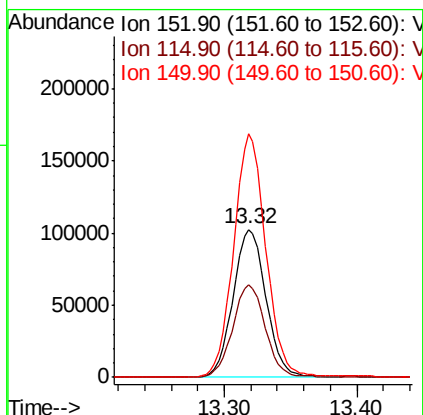
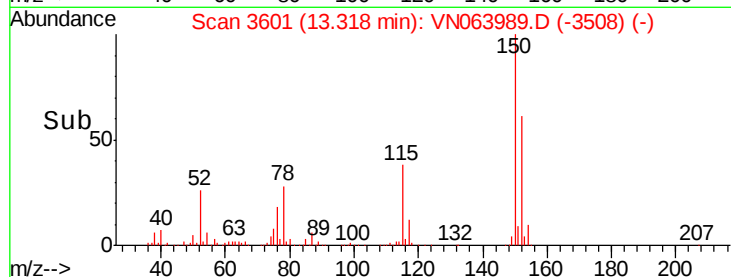
150 160.1 0.0 341.8



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-ethyl acetate

Concen: 2.277 ug/l

RT: 12.04 min Scan# 3203

Delta R.T. -0.01 min

Lab File: VN063989.D

Acq: 8 Oct 2020 14:31

Tgt Ion: 43 Resp: 383

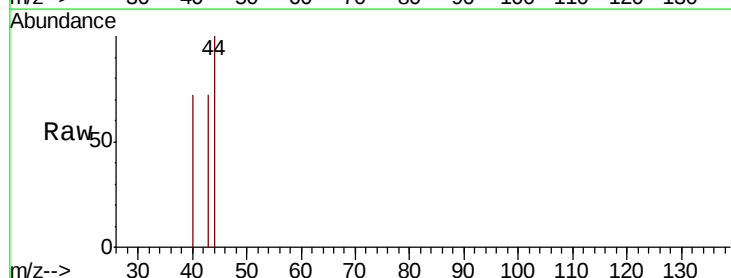
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#

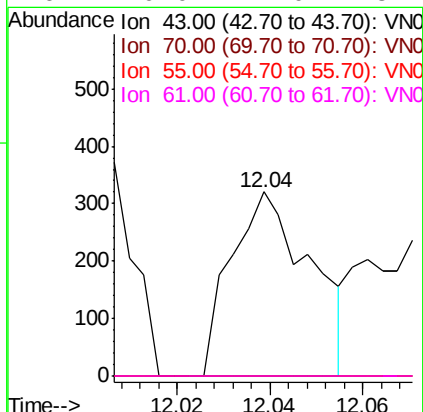
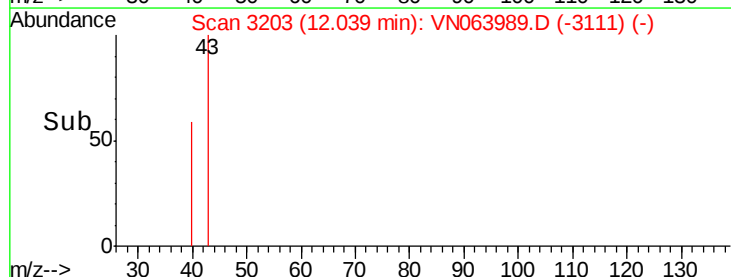


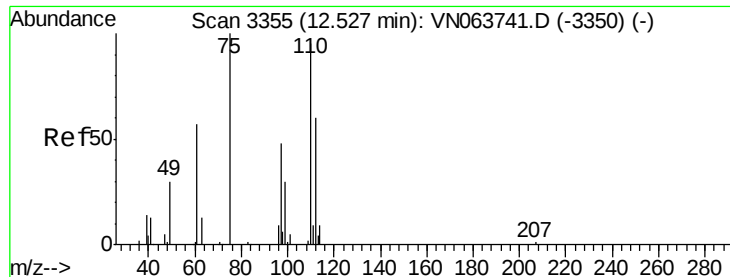
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#76

1,2,3-Trichloropropane

Concen: 31.071 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063989.D

Acq: 8 Oct 2020 14:31

Instrument :

MSVOA_N

ClientSampleId :

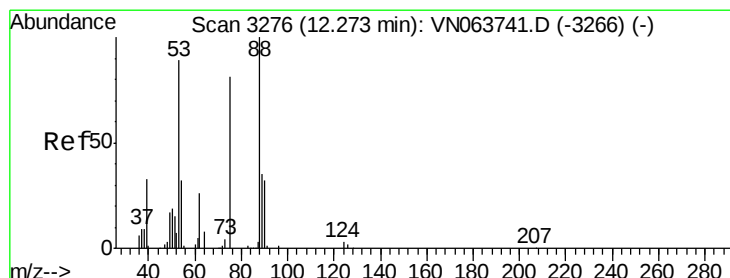
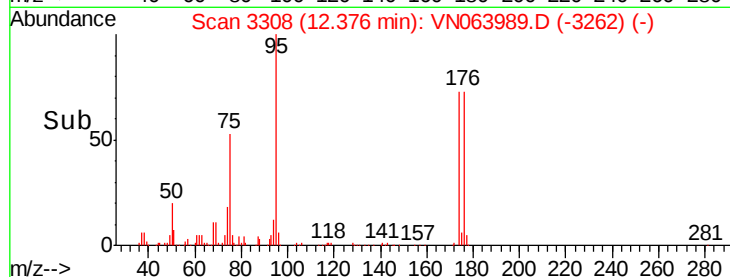
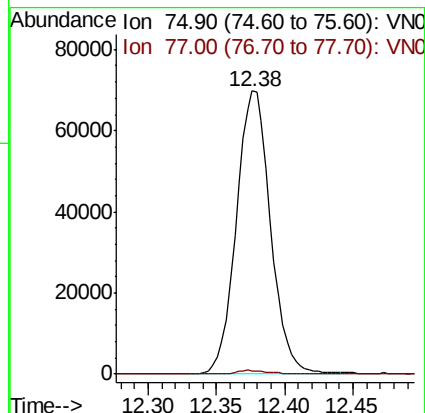
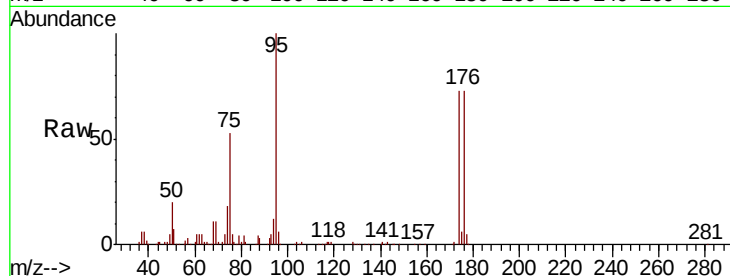
EQB-20200928

Tot Ion: 75 Resp: 121299

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.489 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063989.D

Acq: 8 Oct 2020 14:31

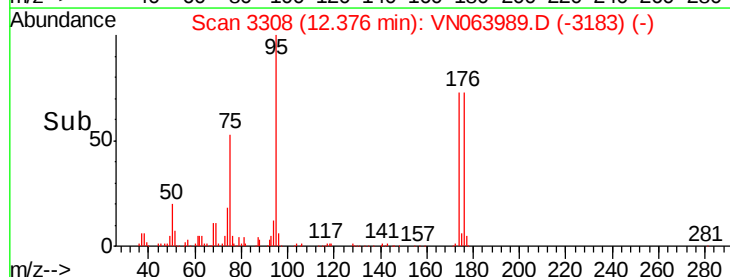
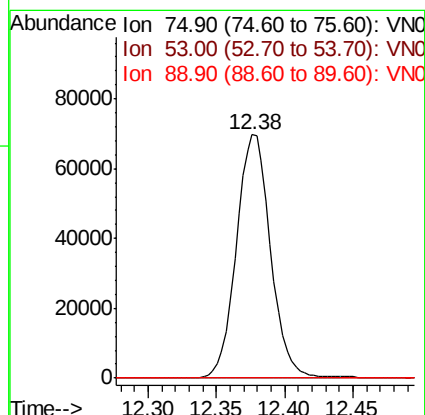
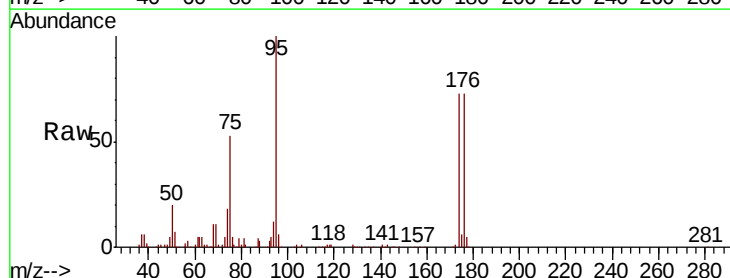
Tgt Ion: 75 Resp: 121299

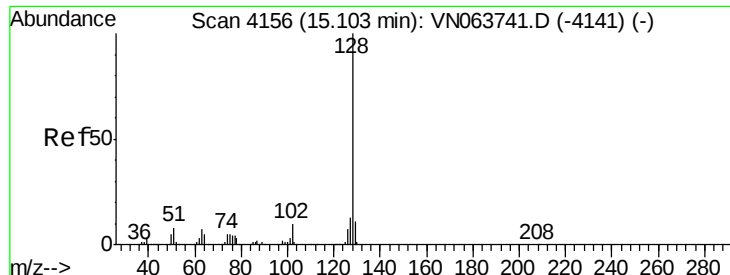
Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

89 0.0 36.0 54.0#





#95

Naphthalene

Concen: 1.931 ug/l

RT: 15.11 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN063989.D

Acq: 8 Oct 2020 14:31

Instrument :

MSVOA_N

ClientSampleId :

EQB-20200928

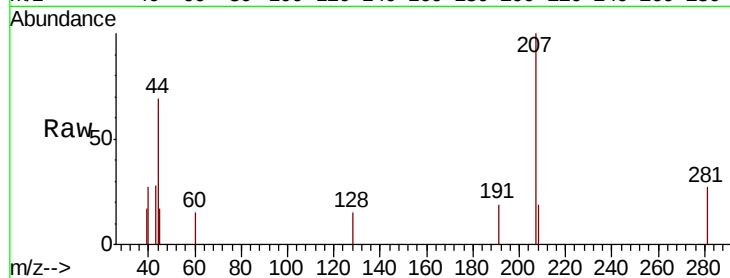
Tot Ion:128 Resp: 64

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

