

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100820\
 Data File : VN063987.D
 Acq On : 8 Oct 2020 13:43
 Operator : JC/MD
 Sample : L4255-23
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EQB-20200930

Quant Time: Oct 09 04:03:05 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	254287	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	457708	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	476675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	181884	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	209220	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
35) Dibromofluoromethane	7.55	113	157740	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
50) Toluene-d8	10.06	98	585461	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
62) 4-Bromofluorobenzene	12.38	95	221673	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	

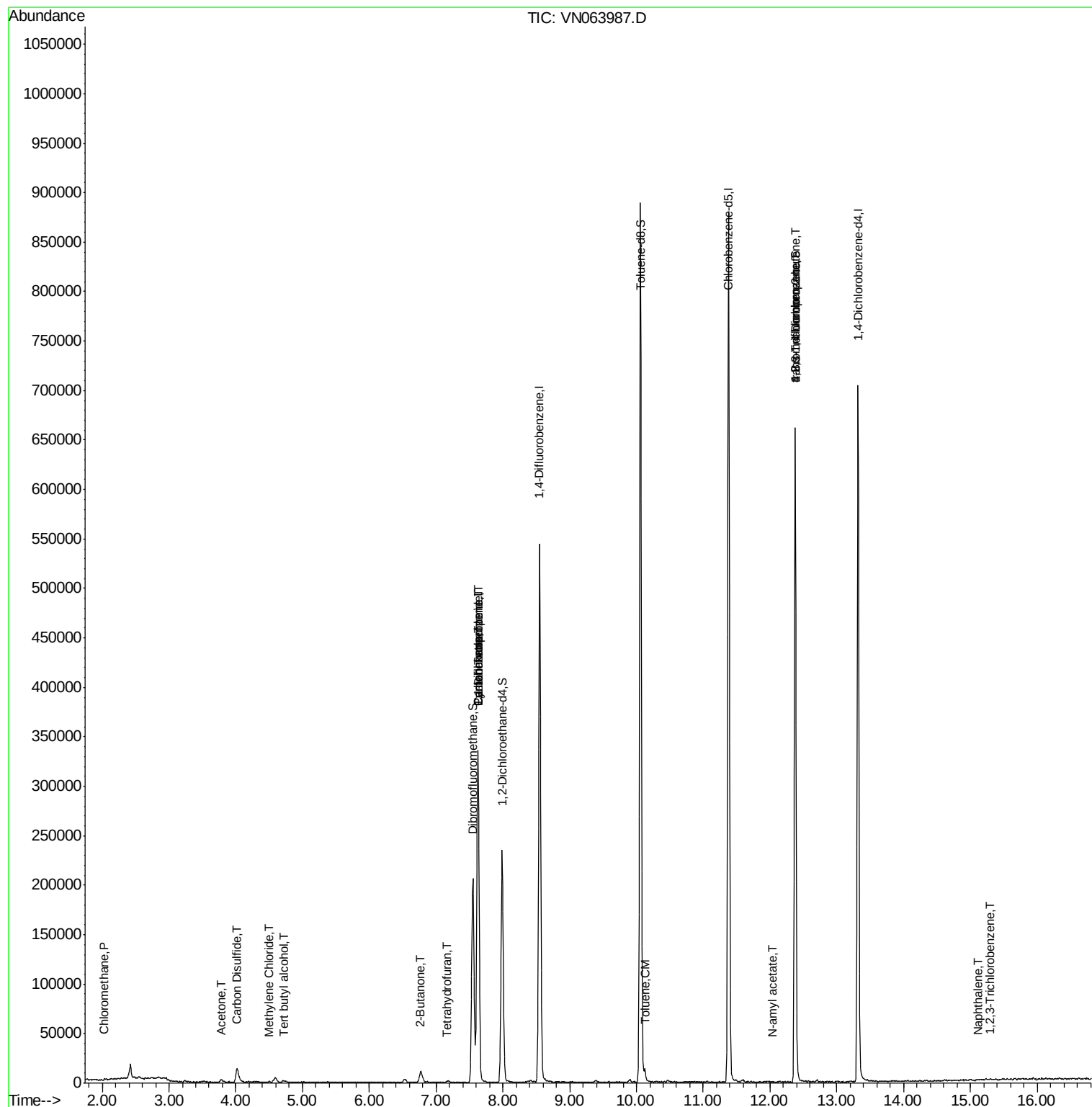
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1834	0.583	ug/l	93
11) Tert butyl alcohol	4.71	59	1424	3.070	ug/l #	71
16) Acetone	3.78	43	2381	1.841	ug/l #	77
17) Carbon Disulfide	4.02	76	1018	0.846	ug/l #	76
20) Methylene Chloride	4.49	84	346	0.215	ug/l #	3
25) 2-Butanone	6.77	43	640	0.349	ug/l #	51
29) Tetrahydrofuran	7.16	42	344	0.280	ug/l #	36
31) Cyclohexane	7.63	56	6621	1.358	ug/l #	25
36) 1,1-Dichloropropene	7.63	75	22588	4.871	ug/l #	49
38) Carbon Tetrachloride	7.63	117	27901	5.366	ug/l #	14
52) Toluene	10.13	92	3668	0.448	ug/l	95
74) N-amyl acetate	12.03	43	94	2.230	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	123085	30.699	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	123085	88.417	ug/l #	6
95) Naphthalene	15.12	128	257	1.950	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.30	180	104	1.601	ug/l #	12

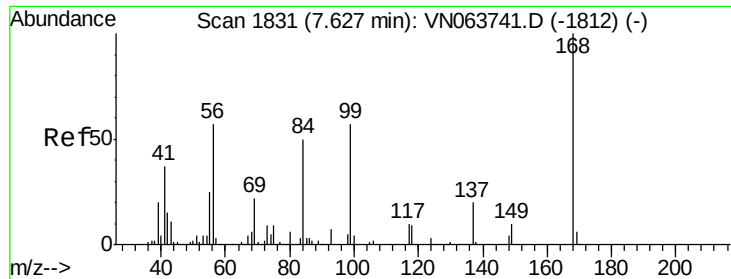
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 01 01:46:38 2020
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: VN063987.D

Acq: 8 Oct 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

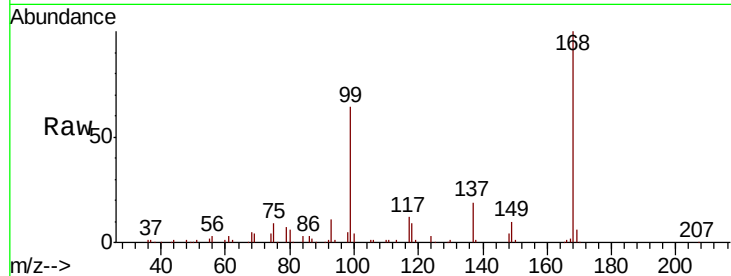
EQB-20200930

Tot Ion:168 Resp: 254287

Ion Ratio Lower Upper

168 100

99 63.7 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): VN063741.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN063741.D (-1812) (-)

7.63

120000

100000

80000

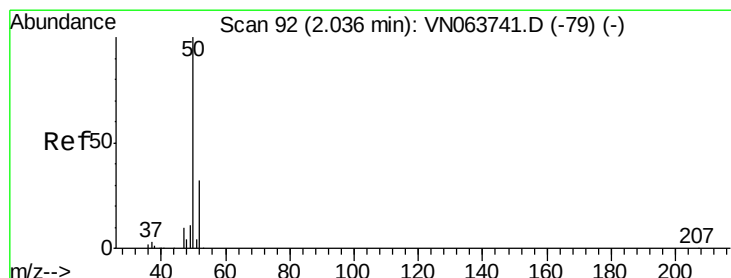
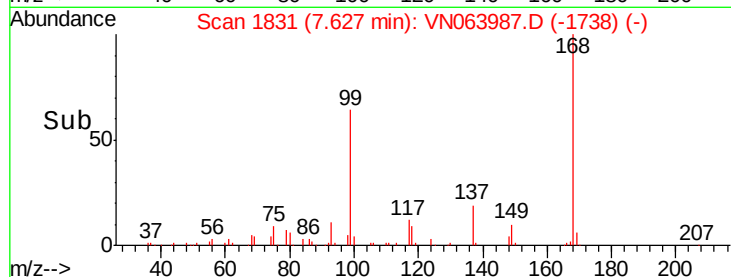
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#3

Chloromethane

Concen: 0.583 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063987.D

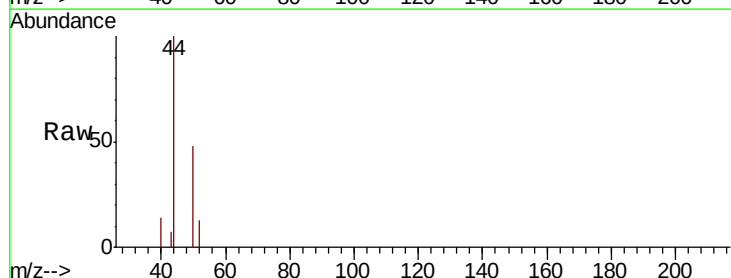
Acq: 8 Oct 2020 13:43

Tgt Ion: 50 Resp: 1834

Ion Ratio Lower Upper

50 100

52 28.2 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VN063741.D (-79) (-)

Ion 51.90 (51.60 to 52.60): VN063741.D (-79) (-)

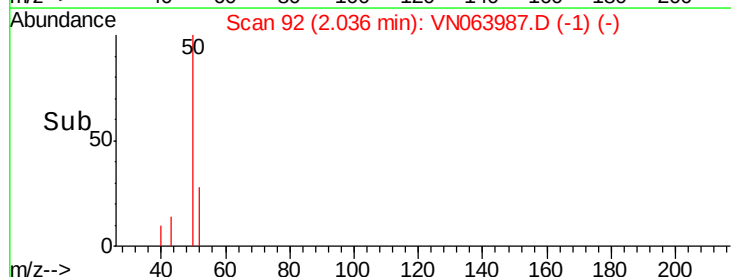
2.04

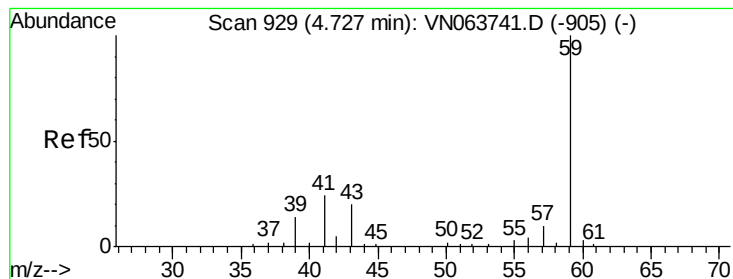
1000

500

0

Time--> 2.00 2.02 2.04 2.06 2.08





#11

Tert butyl alcohol

Concen: 3.070 ug/l

RT: 4.71 min Scan# 925

Delta R.T. -0.01 min

Lab File: VN063987.D

Acq: 8 Oct 2020 13:43

Instrument :

MSVOA_N

ClientSampled :

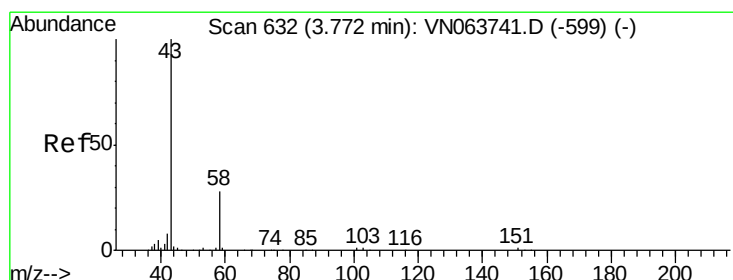
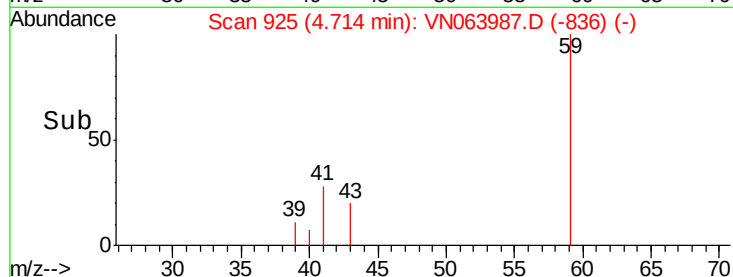
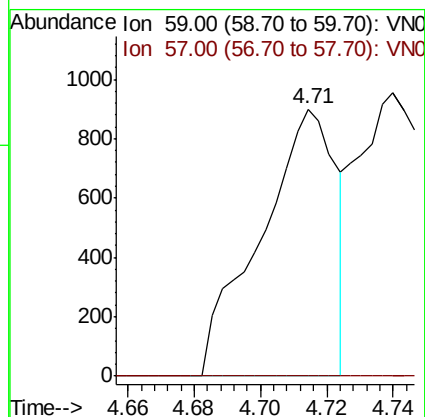
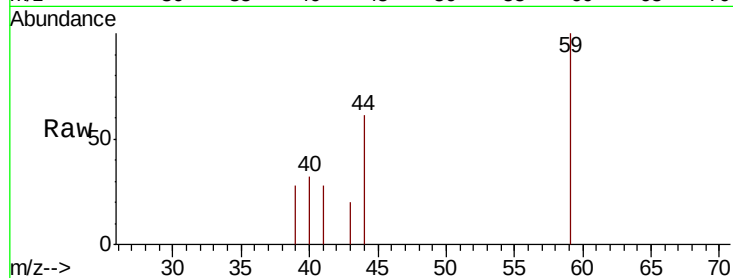
EQB-20200930

Tot Ion: 59 Resp: 1424

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#16

Acetone

Concen: 1.841 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN063987.D

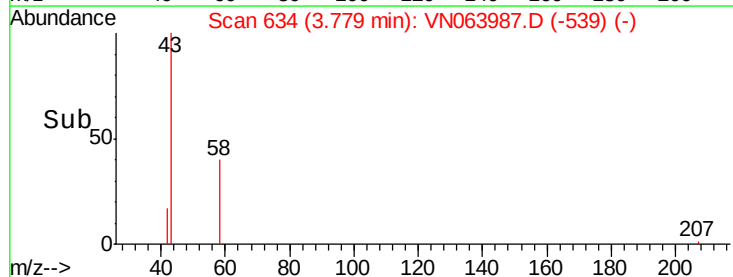
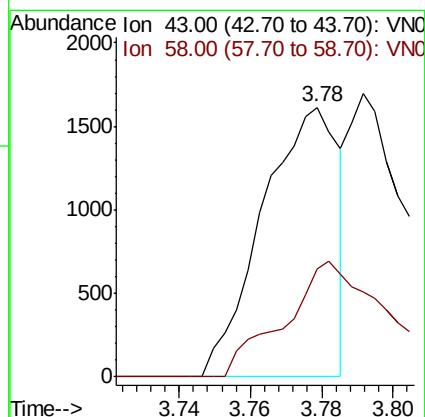
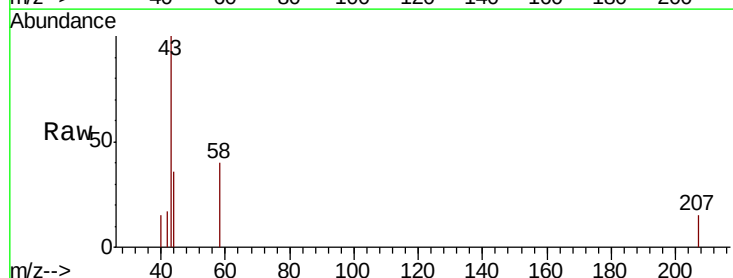
Acq: 8 Oct 2020 13:43

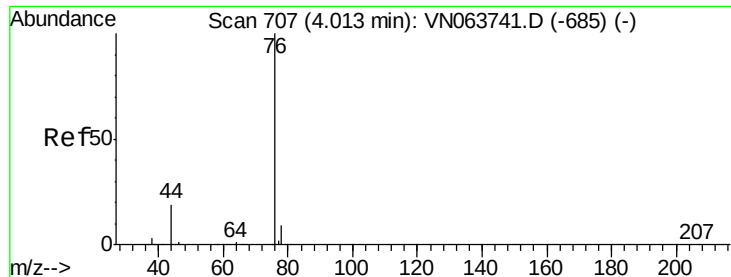
Tgt Ion: 43 Resp: 2381

Ion Ratio Lower Upper

43 100

58 40.2 22.3 33.5#





#17

Carbon Disulfide

Concen: 0.846 ug/l

RT: 4.02 min Scan# 709

Delta R.T. 0.01 min

Lab File: VN063987.D

Acq: 8 Oct 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

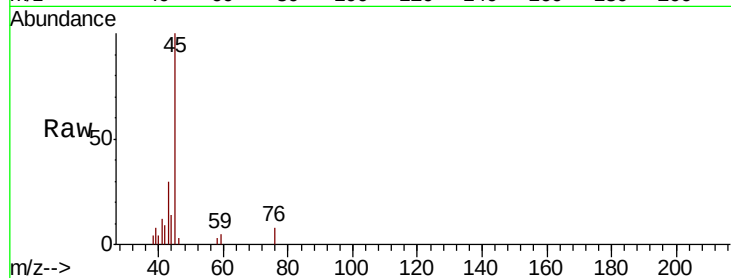
EQB-20200930

Tot Ion: 76 Resp: 1018

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VN063987.D (-614) (-)

Ion 77.90 (77.60 to 78.60): VN063987.D (-614) (-)

4.02

600

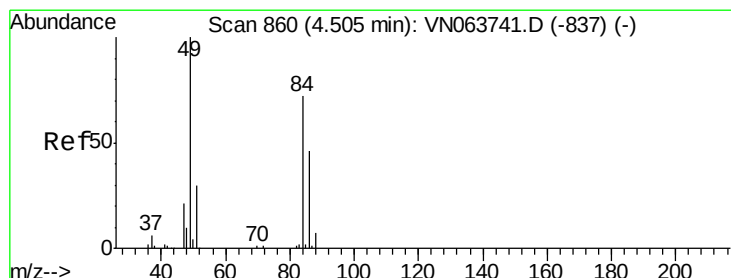
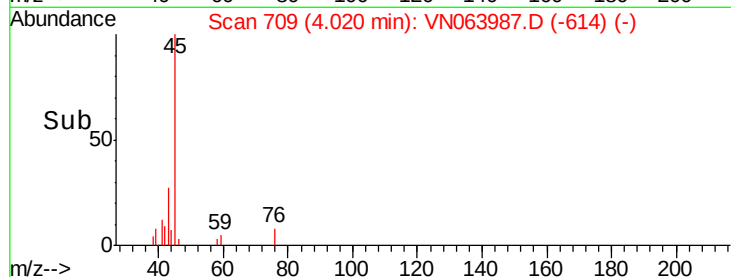
400

200

0

4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 0.215 ug/l

RT: 4.49 min Scan# 856

Delta R.T. -0.01 min

Lab File: VN063987.D

Acq: 8 Oct 2020 13:43

Tgt Ion: 84 Resp: 346

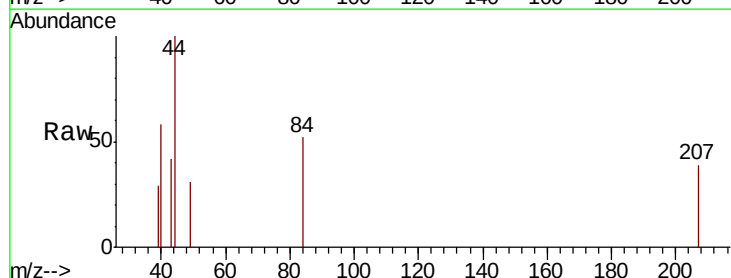
Ion Ratio Lower Upper

84 100

49 0.0 110.4 165.6#

51 0.0 33.3 49.9#

86 0.0 50.7 76.1#



Abundance Ion 83.90 (83.60 to 84.60): VN063987.D (-767) (-)

Ion 48.90 (48.60 to 49.60): VN063987.D (-767) (-)

Ion 50.90 (50.60 to 51.60): VN063987.D (-767) (-)

Ion 85.90 (85.60 to 86.60): VN063987.D (-767) (-)

600

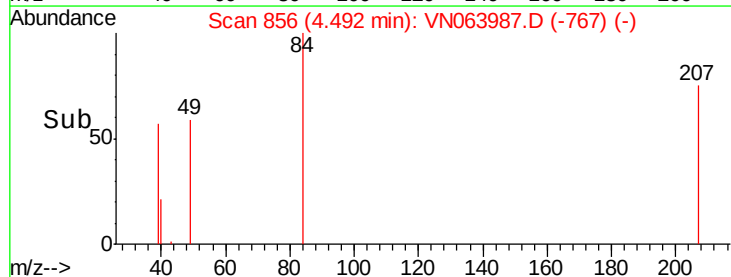
400

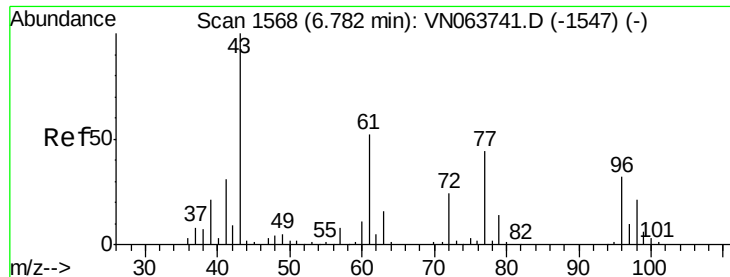
200

0

4.48 4.49 4.52

Time-->





#25

2-Butanone

Concen: 0.349 ug/l

RT: 6.77 min Scan# 1563

Delta R.T. -0.02 min

Lab File: VN063987.D

Acq: 8 Oct 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

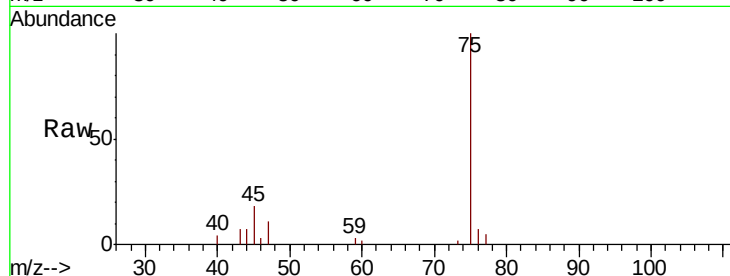
EQB-20200930

Tot Ion: 43 Resp: 640

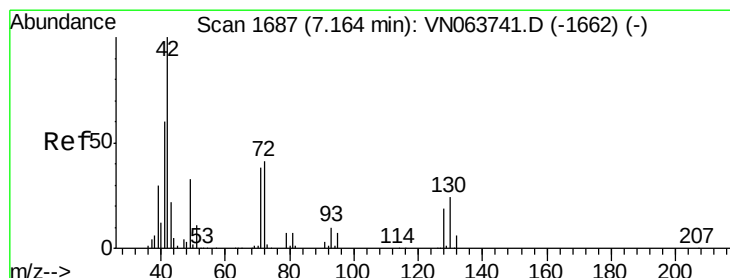
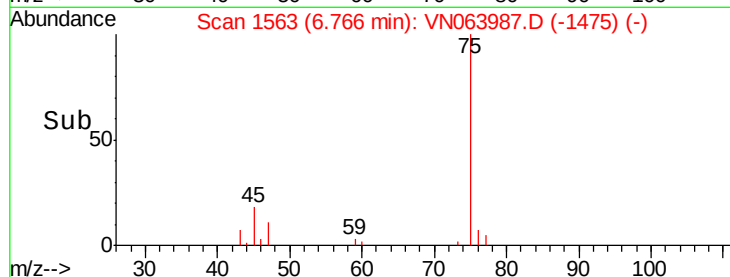
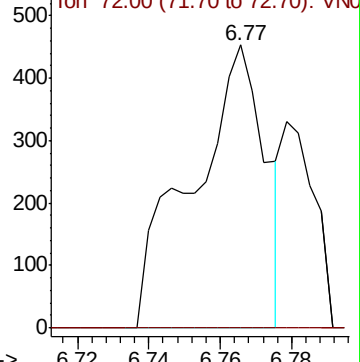
Ion Ratio Lower Upper

43 100

72 0.0 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0



#29

Tetrahydrofuran

Concen: 0.280 ug/l

RT: 7.16 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VN063987.D

Acq: 8 Oct 2020 13:43

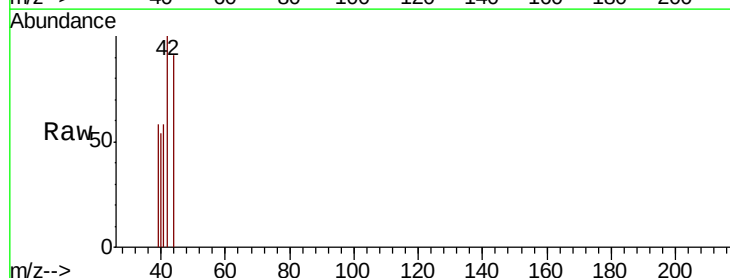
Tgt Ion: 42 Resp: 344

Ion Ratio Lower Upper

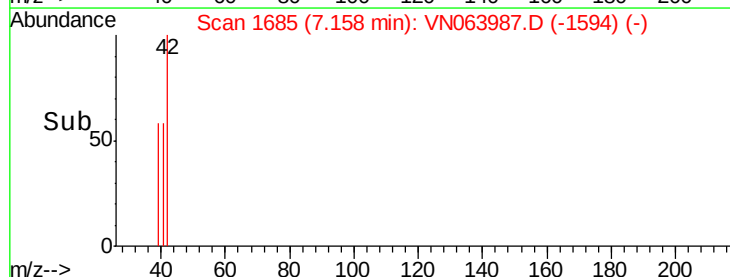
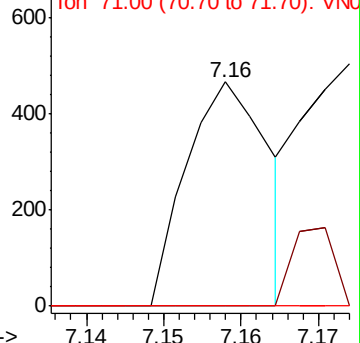
42 100

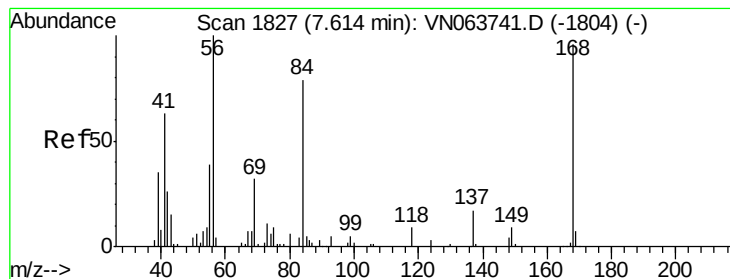
72 0.0 32.8 49.2#

71 0.0 30.6 45.8#



Abundance Ion 42.00 (41.70 to 42.70): VN0





#31

Cyclohexane

Concen: 1.358 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN063987.D

Acq: 8 Oct 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

EQB-20200930

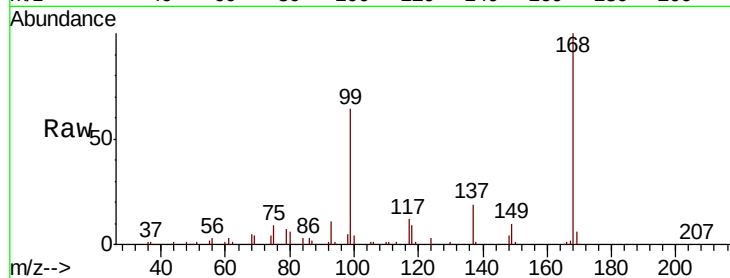
Tot Ion: 56 Resp: 6621

Ion Ratio Lower Upper

56 100

69 146.2 25.4 38.2#

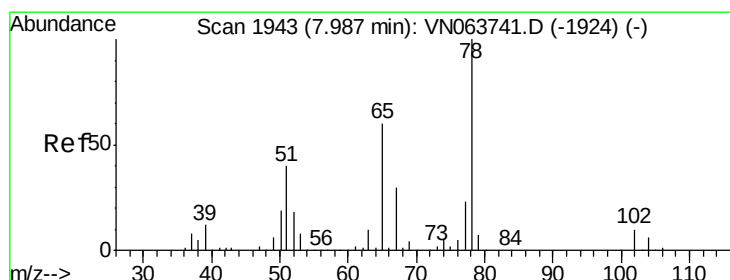
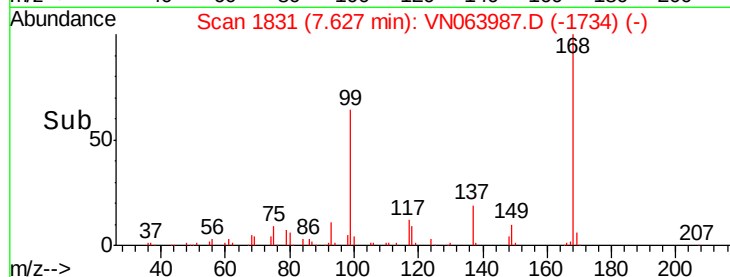
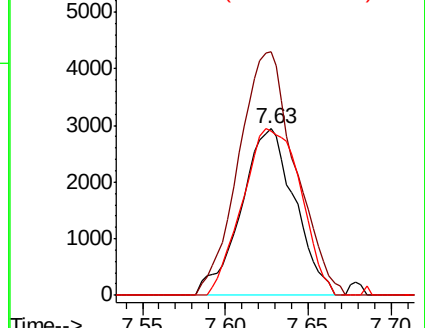
84 98.6 63.3 94.9#



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: 49.803 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063987.D

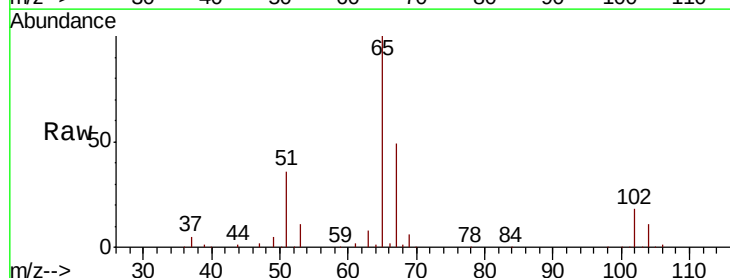
Acq: 8 Oct 2020 13:43

Tgt Ion: 65 Resp: 209220

Ion Ratio Lower Upper

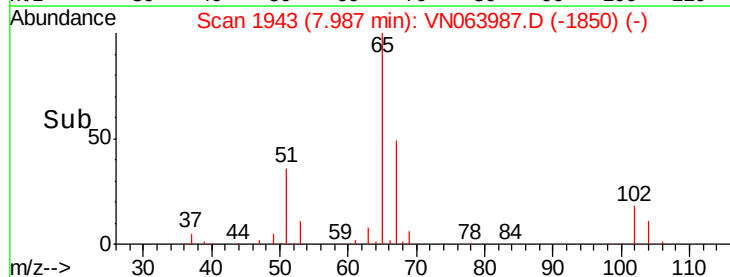
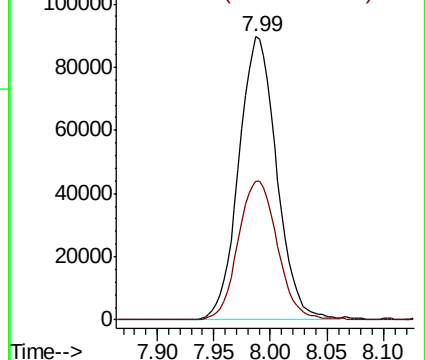
65 100

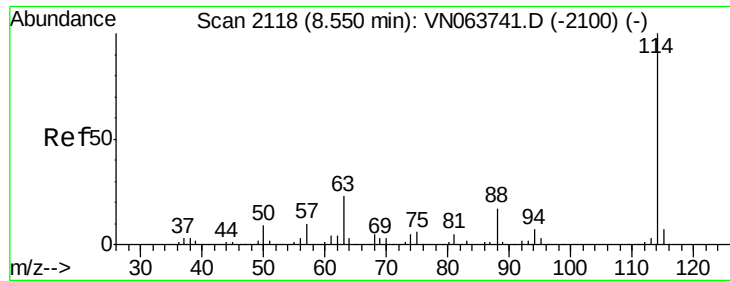
67 50.9 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

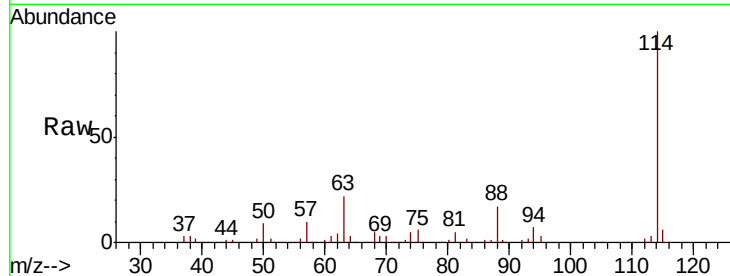




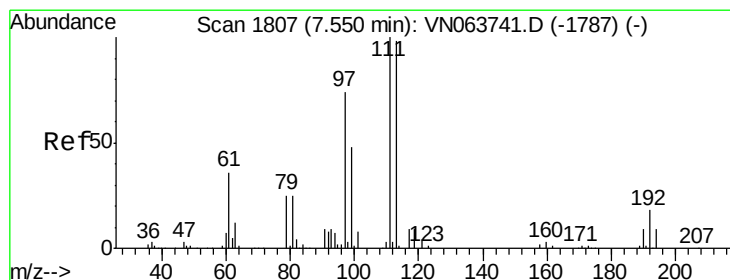
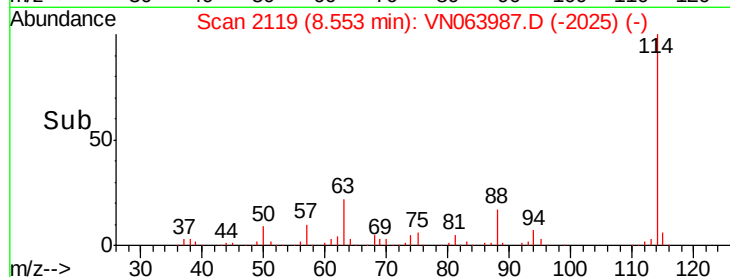
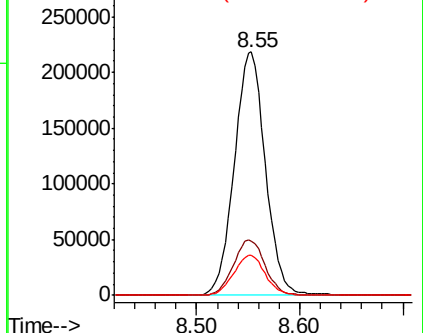
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN063987.D
 Acq: 8 Oct 2020 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 EQB-20200930

Tot Ion:114 Resp: 457708
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 45.0
 88 16.5 0.0 34.0

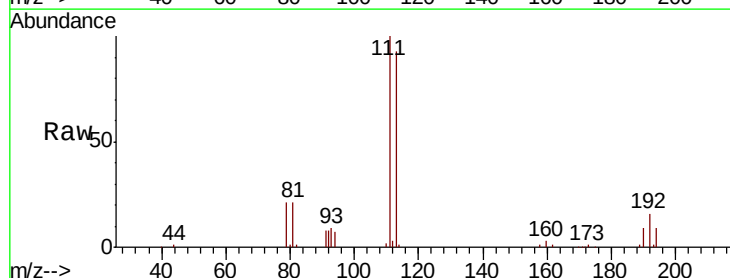


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

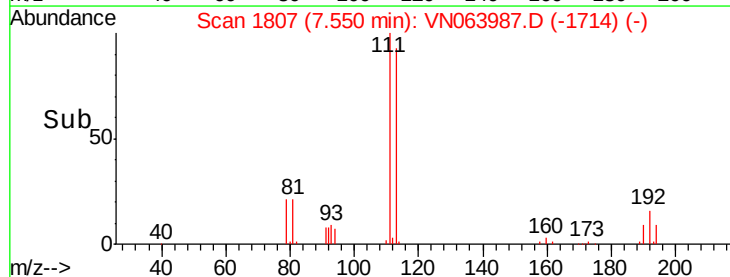
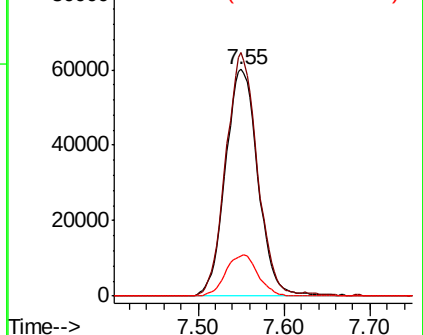


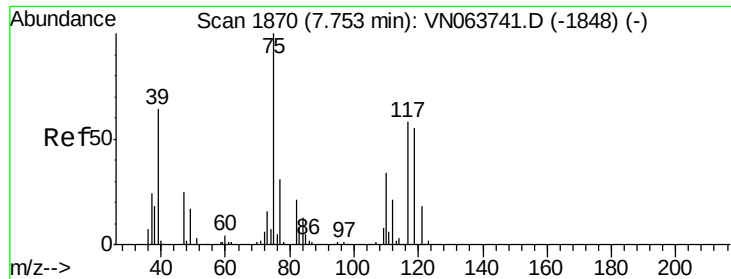
#35
 Dibromofluoromethane
 Concen: 49.667 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063987.D
 Acq: 8 Oct 2020 13:43

Tgt Ion:113 Resp: 157740
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.8 122.8
 192 17.9 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

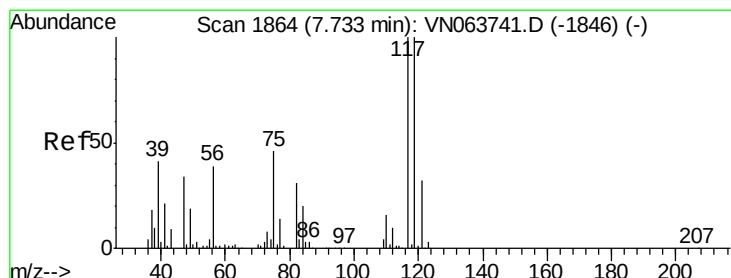
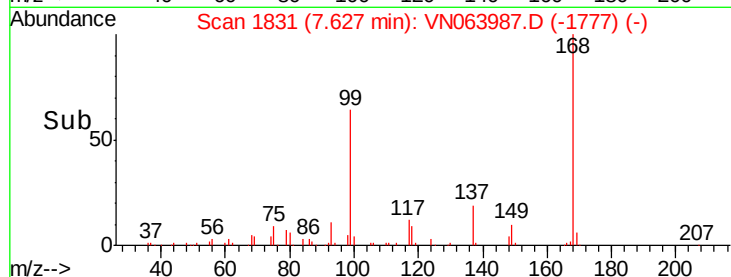
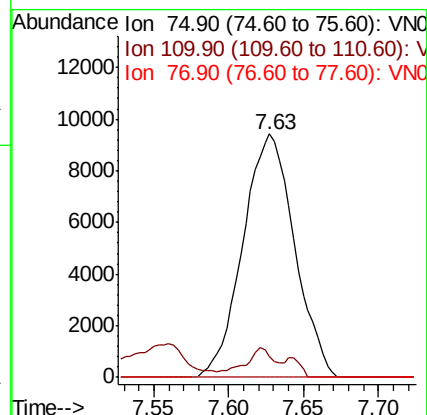
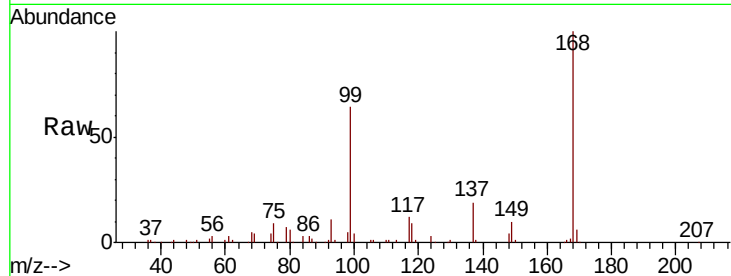




#36
 1,1-Dichloropropene
 Concen: 4.871 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063987.D
 Acq: 8 Oct 2020 13:43

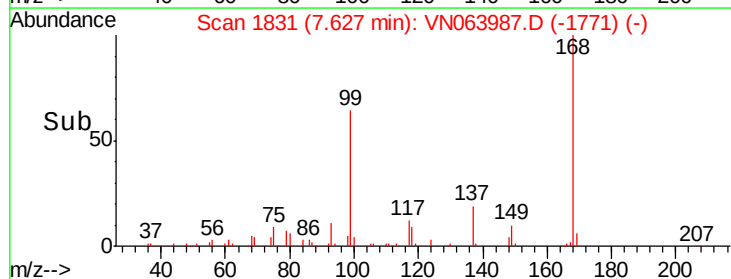
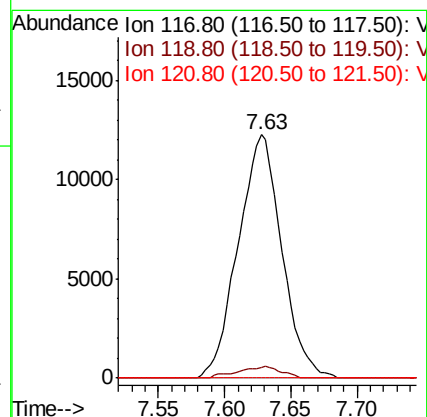
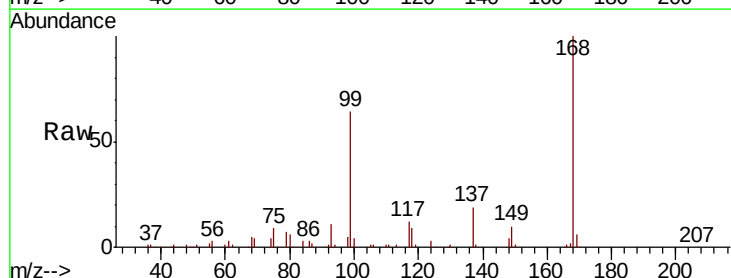
Instrument :
 MSVOA_N
 ClientSampleId :
 EQB-20200930

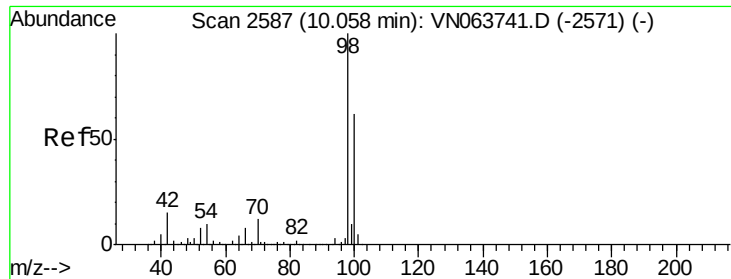
Tot Ion: 75 Resp: 22588
 Ion Ratio Lower Upper
 75 100
 110 6.7 16.9 50.6#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.366 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN063987.D
 Acq: 8 Oct 2020 13:43

Tgt Ion: 117 Resp: 27901
 Ion Ratio Lower Upper
 117 100
 119 4.4 80.1 120.1#
 121 0.0 25.7 38.5#





#50

Toluene-d8

Concen: 48.628 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063987.D

Acq: 8 Oct 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

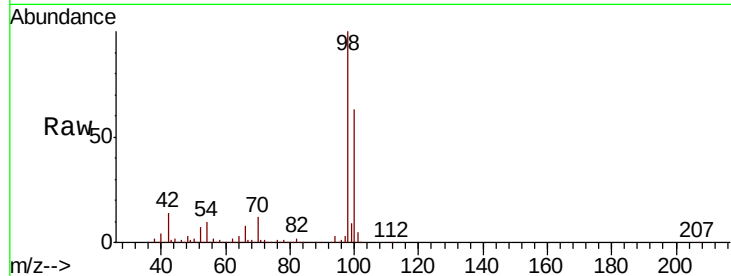
EQB-20200930

Tot Ion: 98 Resp: 585461

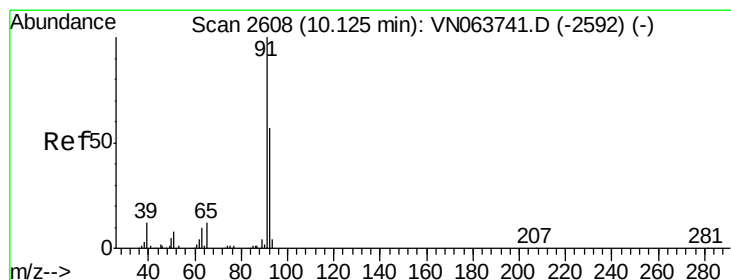
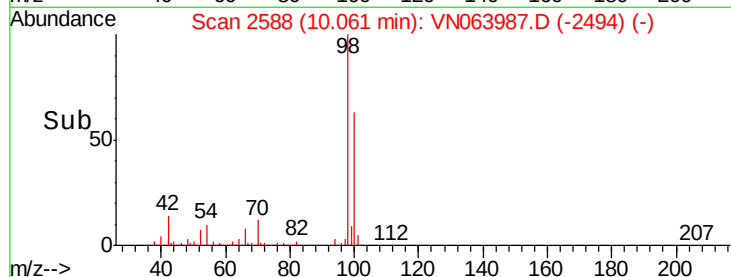
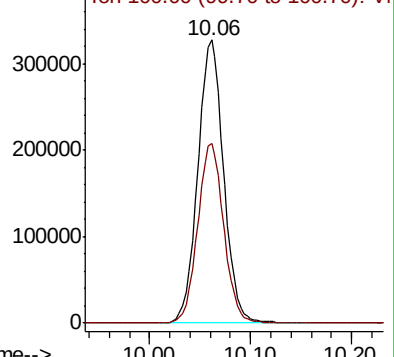
Ion Ratio Lower Upper

98 100

100 64.0 49.8 74.6



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



#52

Toluene

Concen: 0.448 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063987.D

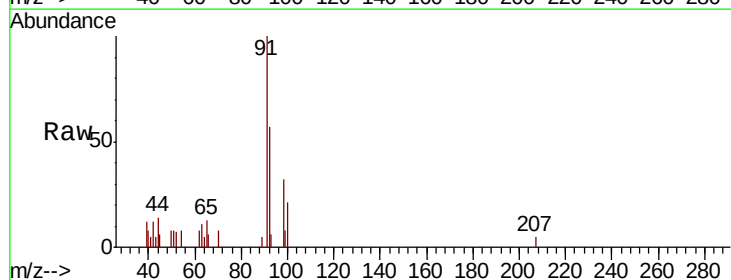
Acq: 8 Oct 2020 13:43

Tgt Ion: 92 Resp: 3668

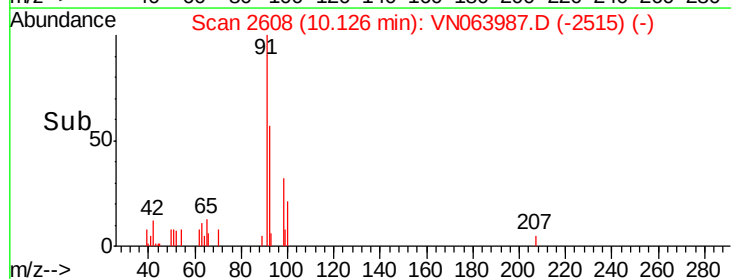
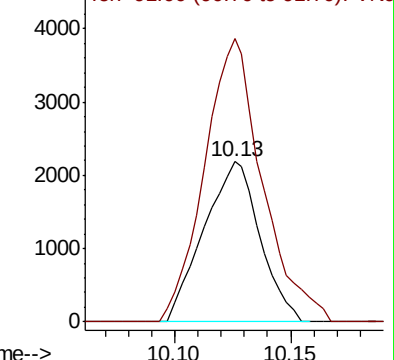
Ion Ratio Lower Upper

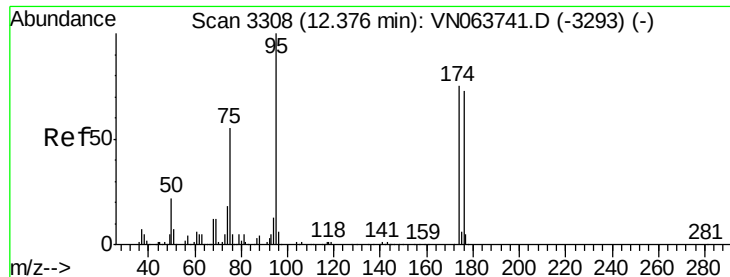
92 100

91 182.8 140.6 210.8



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

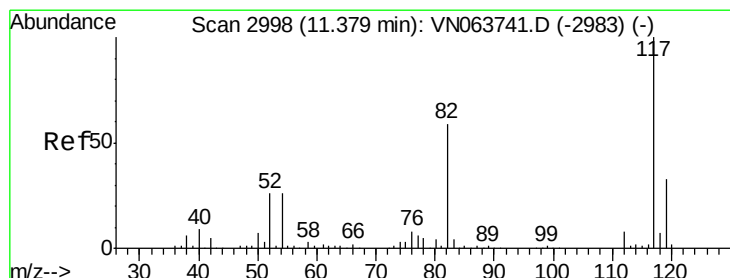
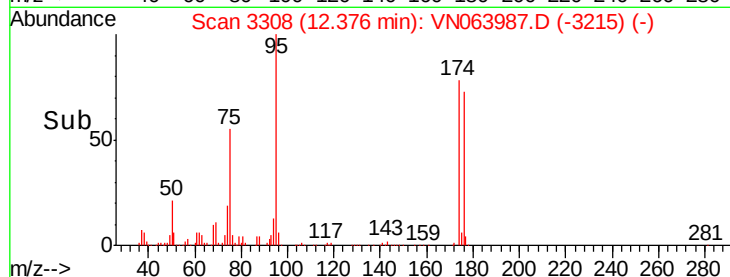
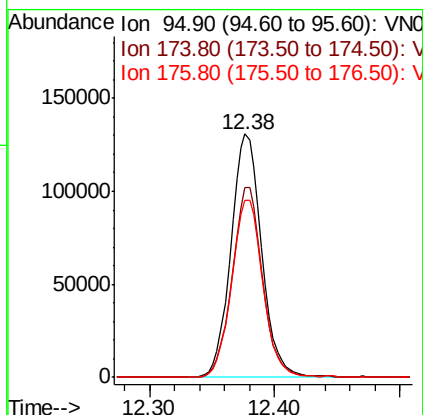
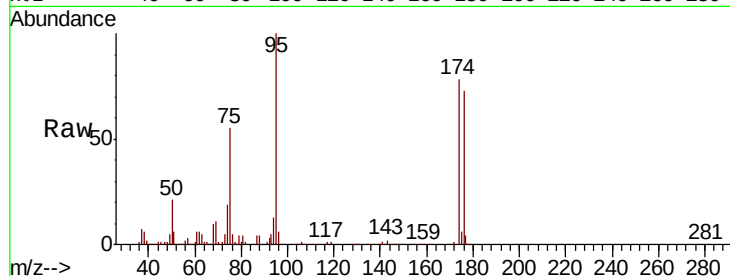




#62
4-Bromofluorobenzene
Concen: 48.980 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063987.D
Acq: 8 Oct 2020 13:43

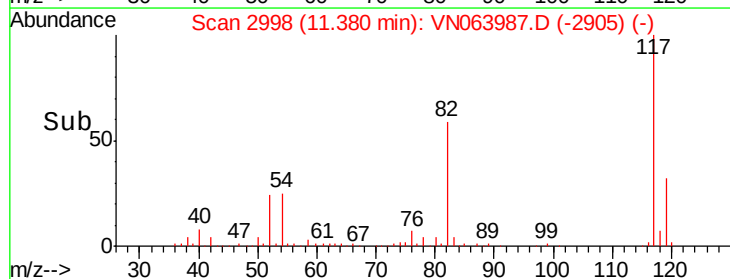
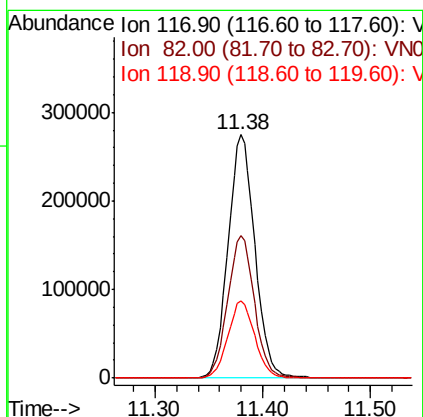
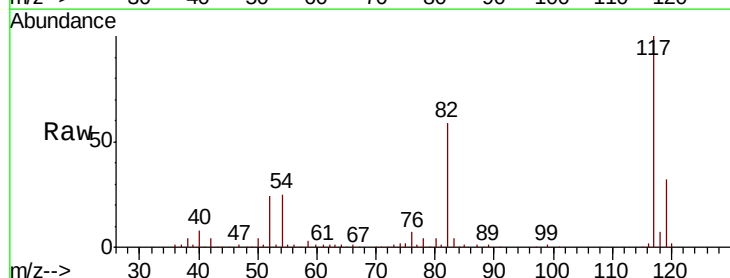
Instrument :
MSVOA_N
ClientSampleId :
EQB-20200930

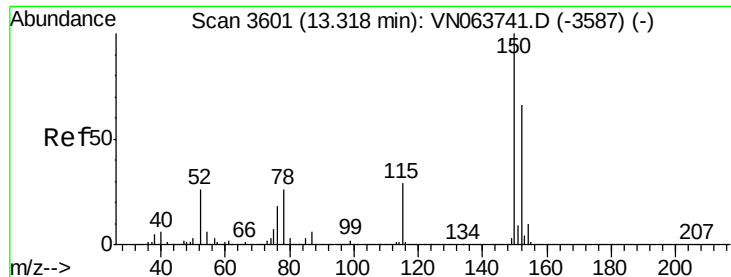
Tot Ion: 95 Resp: 221673
Ion Ratio Lower Upper
95 100
174 77.5 0.0 150.6
176 74.0 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063987.D
Acq: 8 Oct 2020 13:43

Tgt Ion: 117 Resp: 476675
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.2
119 31.9 26.4 39.6

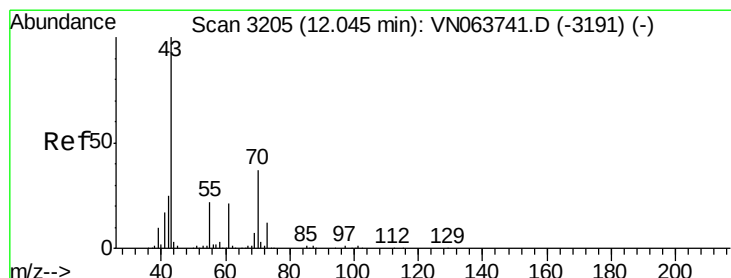
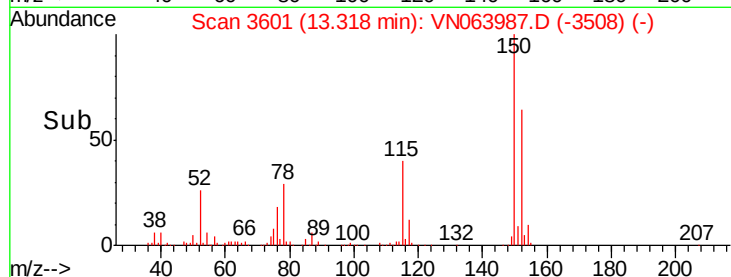
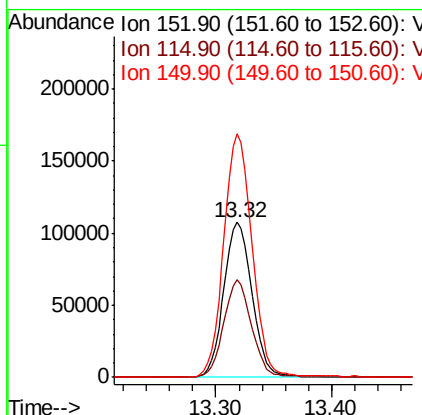
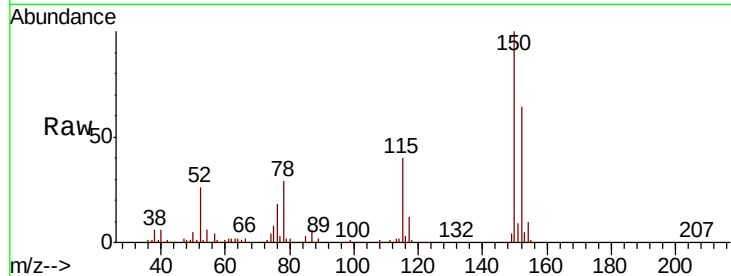




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VN063987.D
 Acq: 8 Oct 2020 13:43

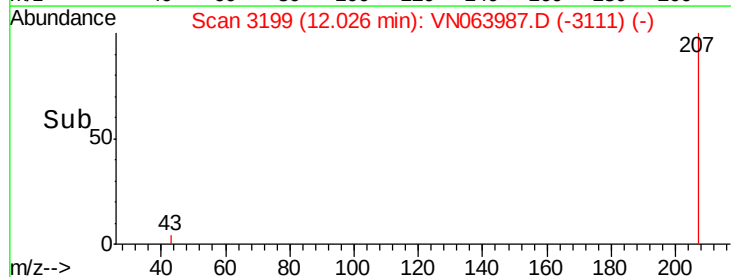
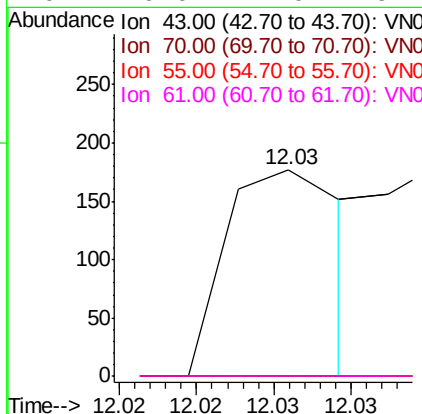
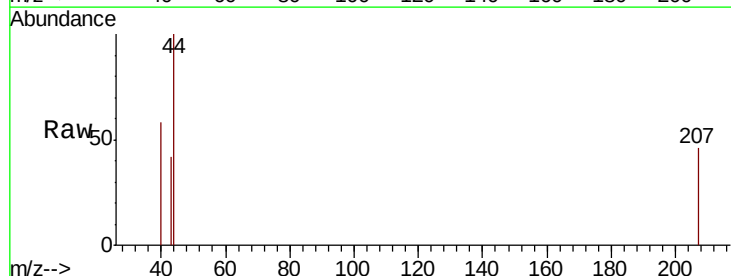
Instrument :
 MSVOA_N
 ClientSampleId :
 EQB-20200930

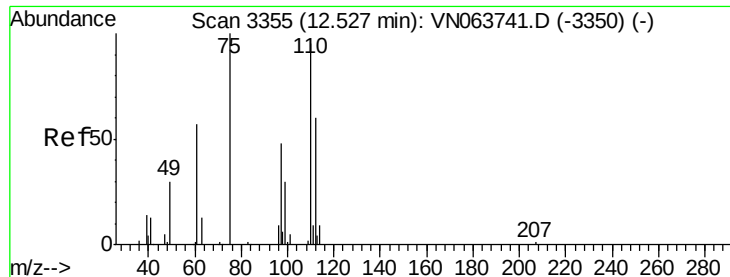
Tot Ion:152 Resp: 181884
 Ion Ratio Lower Upper
 152 100
 115 61.8 31.3 93.8
 150 156.7 0.0 341.8



#74
 N-ethyl acetate
 Concen: 2.230 ug/l
 RT: 12.03 min Scan# 3199
 Delta R.T. -0.02 min
 Lab File: VN063987.D
 Acq: 8 Oct 2020 13:43

Tgt Ion: 43 Resp: 94
 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#





#76

1,2,3-Trichloropropane

Concen: 30.699 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063987.D

Acq: 8 Oct 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

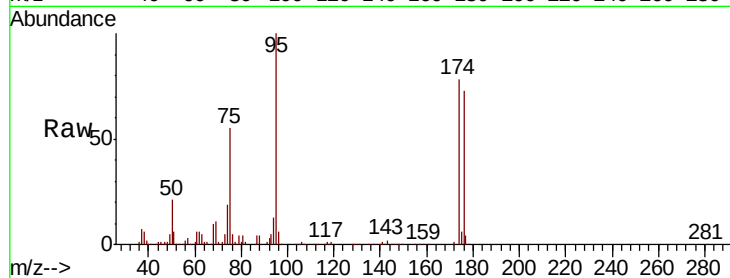
EQB-20200930

Tot Ion: 75 Resp: 123085

Ion Ratio Lower Upper

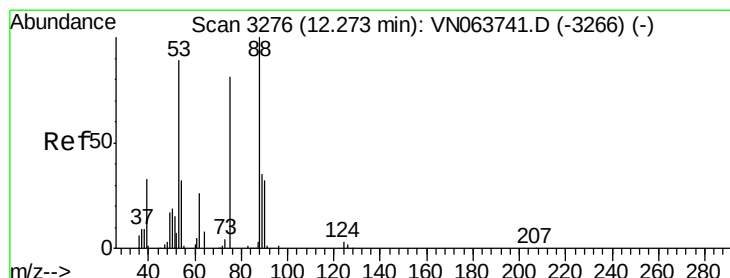
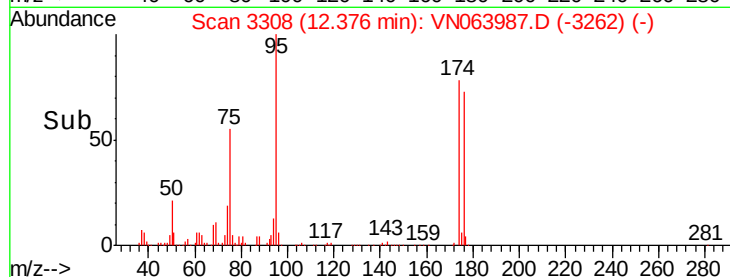
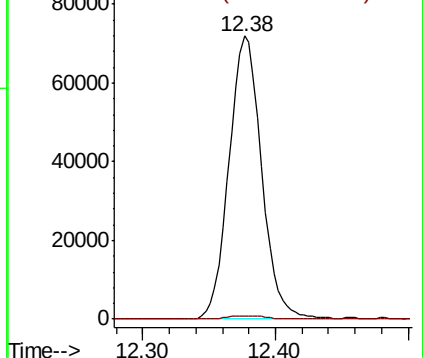
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 88.417 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063987.D

Acq: 8 Oct 2020 13:43

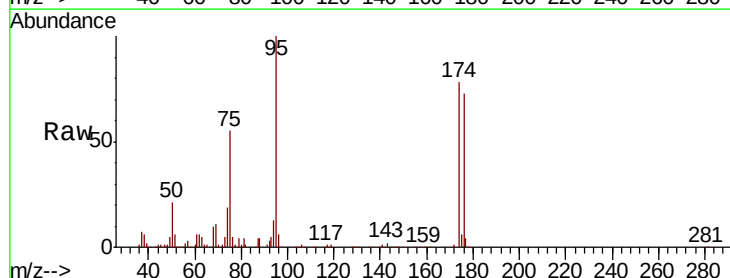
Tgt Ion: 75 Resp: 123085

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

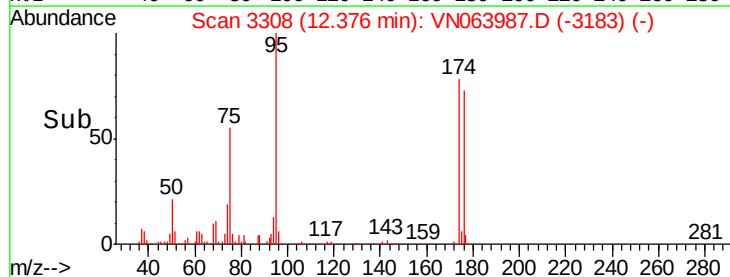
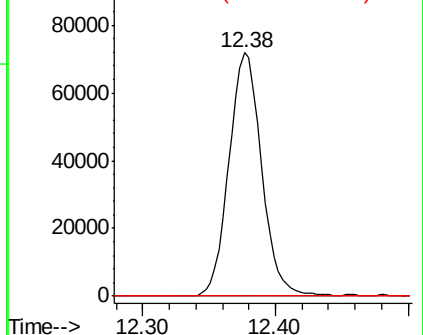
89 0.0 36.0 54.0#

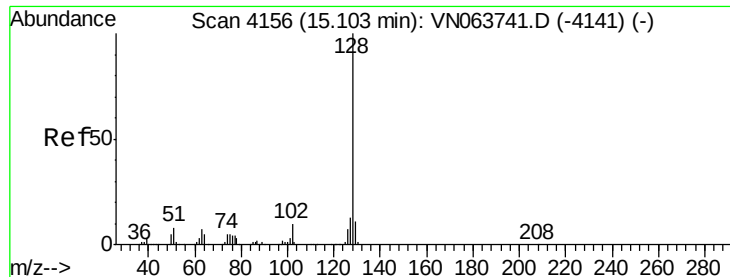


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: 1.950 ug/l

RT: 15.12 min Scan# 4162

Delta R.T. 0.02 min

Lab File: VN063987.D

Acq: 8 Oct 2020 13:43

Instrument :

MSVOA_N

ClientSampleId :

EQB-20200930

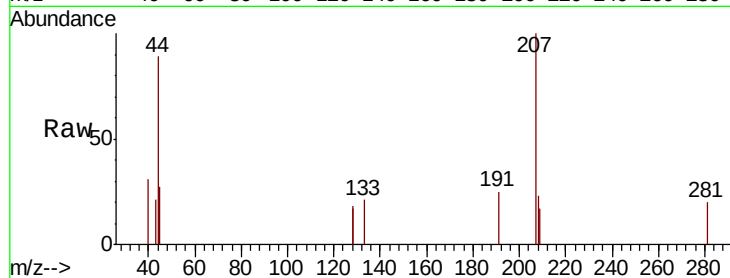
Tot Ion:128 Resp: 257

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

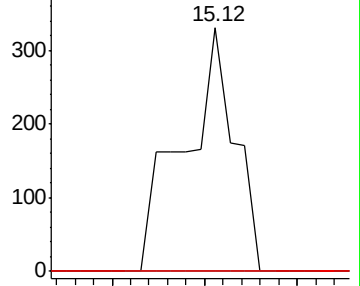
129 0.0 8.7 13.1#



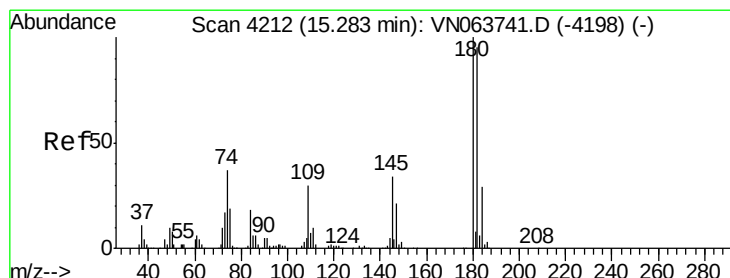
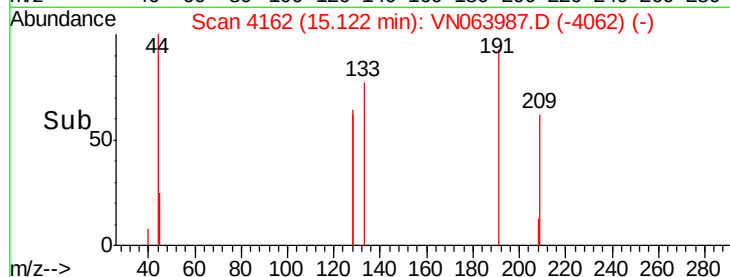
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 1.601 ug/l

RT: 15.30 min Scan# 4217

Delta R.T. 0.02 min

Lab File: VN063987.D

Acq: 8 Oct 2020 13:43

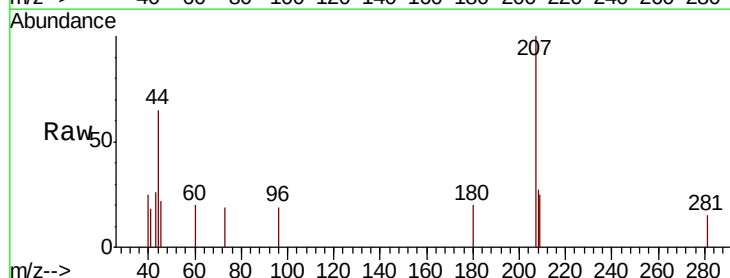
Tgt Ion:180 Resp: 104

Ion Ratio Lower Upper

180 100

182 0.0 47.9 143.6#

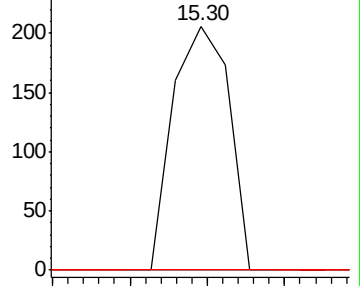
145 0.0 17.2 51.5#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time-->

