

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100820\
 Data File : VN063986.D
 Acq On : 8 Oct 2020 13:19
 Operator : JC/MD
 Sample : L4255-22
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EQB-20200929

Quant Time: Oct 09 04:02:50 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	256348	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	454778	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	465710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	179784	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	207919	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
35) Dibromofluoromethane	7.55	113	152439	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
50) Toluene-d8	10.06	98	582624	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
62) 4-Bromofluorobenzene	12.38	95	220451	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	

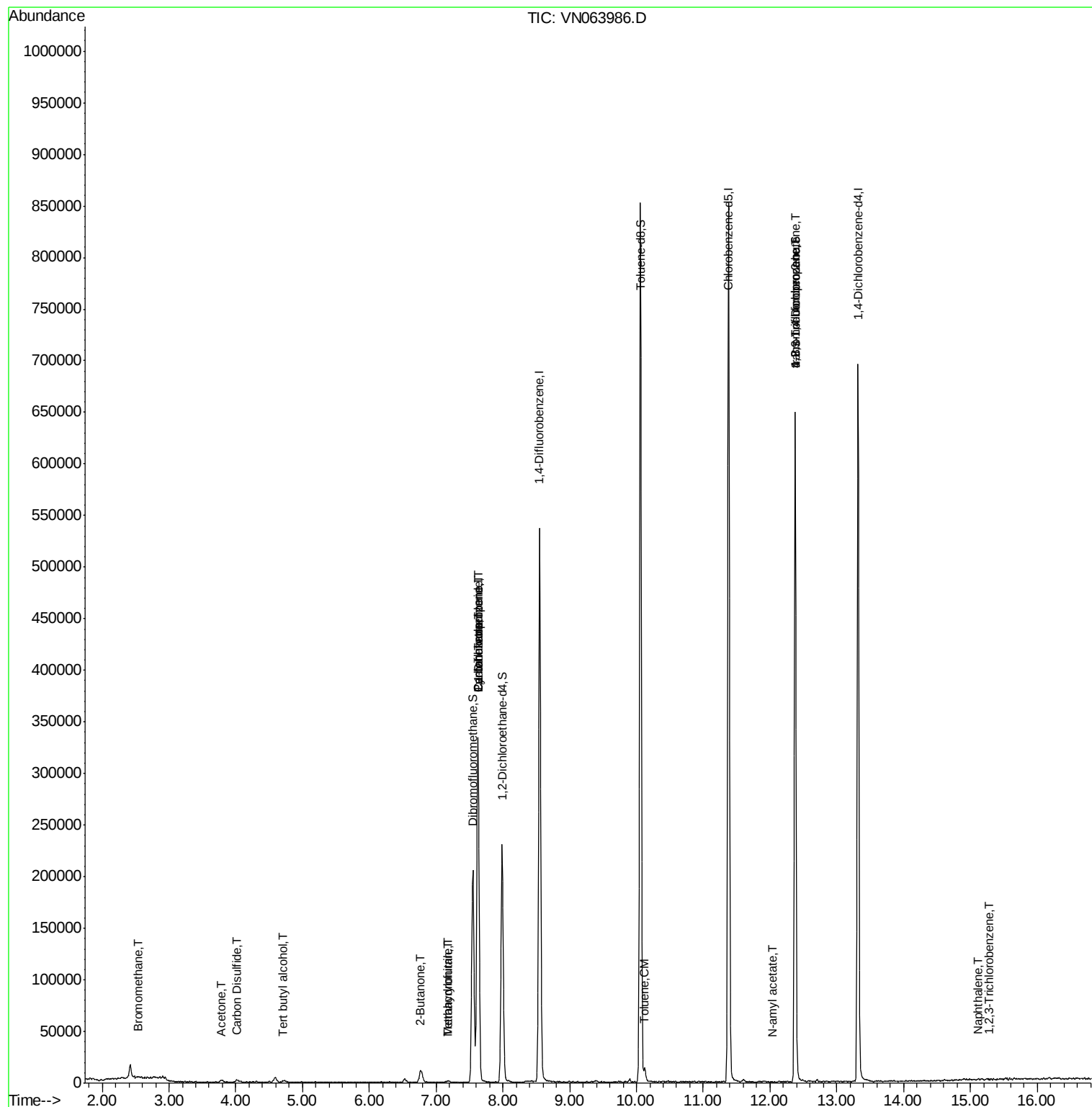
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	624	0.311	ug/l	93
11) Tert butyl alcohol	4.71	59	856	1.831	ug/l #	71
16) Acetone	3.78	43	4349	3.336	ug/l	98
17) Carbon Disulfide	4.02	76	1238	0.876	ug/l #	76
25) 2-Butanone	6.78	43	528	0.286	ug/l #	51
29) Tetrahydrofuran	7.17	42	1390	1.121	ug/l #	52
31) Cyclohexane	7.63	56	6695	1.362	ug/l #	26
36) 1,1-Dichloropropene	7.62	75	22036	4.783	ug/l #	49
38) Carbon Tetrachloride	7.63	117	27725	5.366	ug/l #	15
41) Methacrylonitrile	7.17	41	830	0.408	ug/l #	39
52) Toluene	10.13	92	4045	0.497	ug/l	90
74) N-amyl acetate	12.04	43	189	2.246	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	117863	29.740	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	117863	85.655	ug/l #	6
95) Naphthalene	15.11	128	283	1.952	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.28	180	31	1.578	ug/l #	12

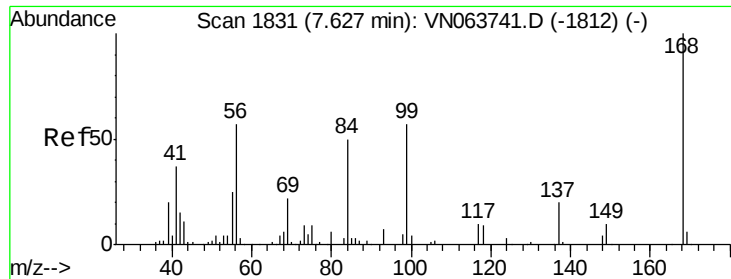
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VN063986.D

Acq: 8 Oct 2020 13:19

Instrument :

MSVOA_N

ClientSampleId :

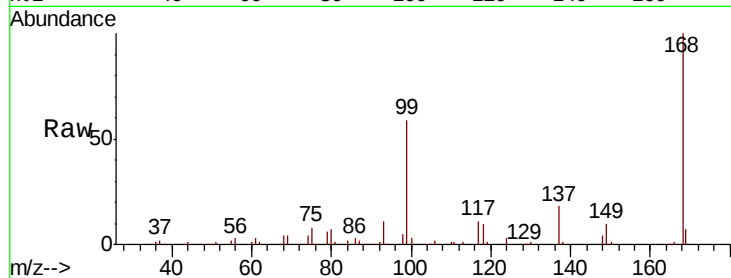
EQB-20200929

Tot Ion:168 Resp: 256348

Ion Ratio Lower Upper

168 100

99 59.2 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

120000

100000

80000

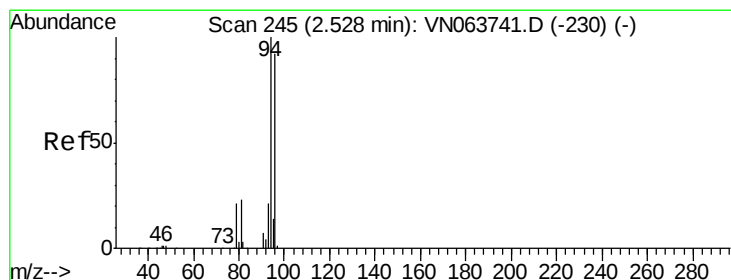
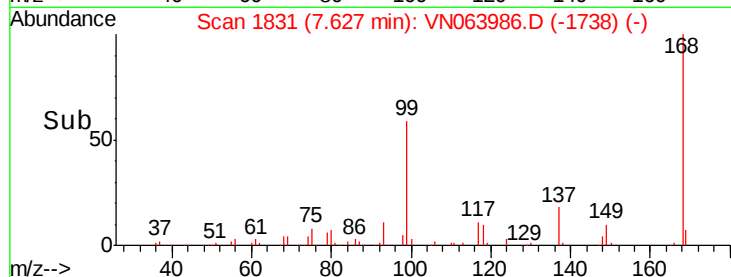
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#5

Bromomethane

Concen: 0.311 ug/l

RT: 2.55 min Scan# 251

Delta R.T. 0.02 min

Lab File: VN063986.D

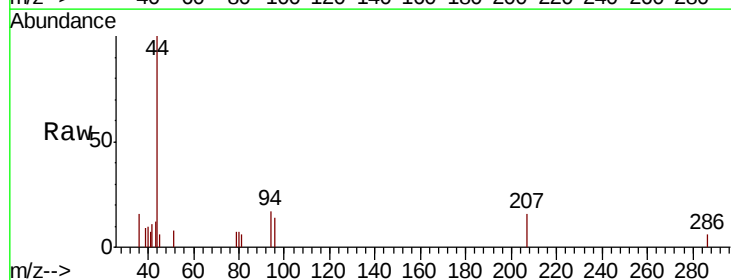
Acq: 8 Oct 2020 13:19

Tgt Ion: 94 Resp: 624

Ion Ratio Lower Upper

94 100

96 85.3 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

500

400

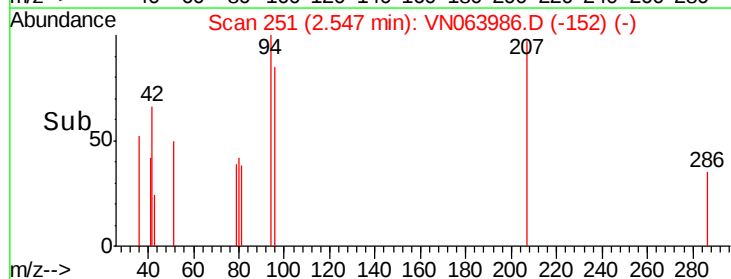
300

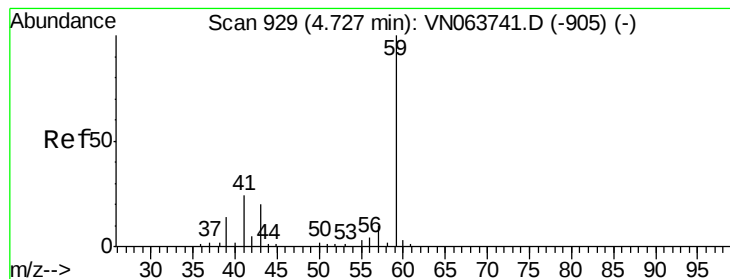
200

100

0

Time--> 2.52 2.54 2.56 2.58





#11

Tert butyl alcohol

Concen: 1.831 ug/l

RT: 4.71 min Scan# 923

Delta R.T. -0.02 min

Lab File: VN063986.D

Acq: 8 Oct 2020 13:19

Instrument :

MSVOA_N

ClientSampleId :

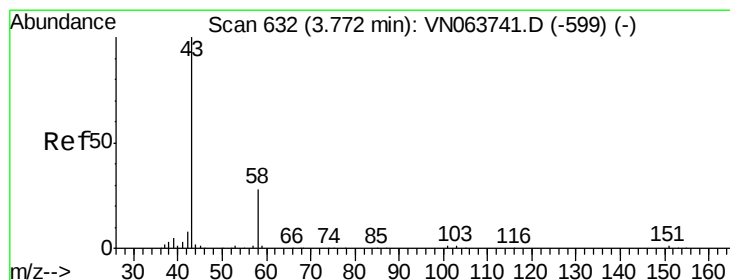
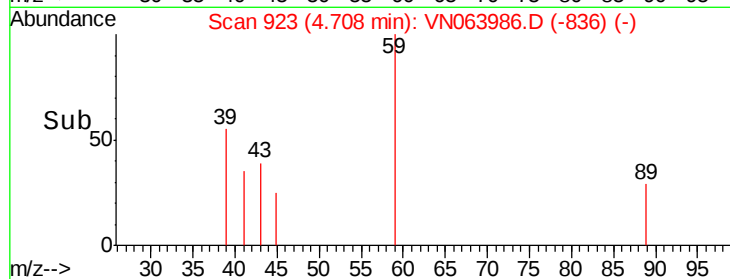
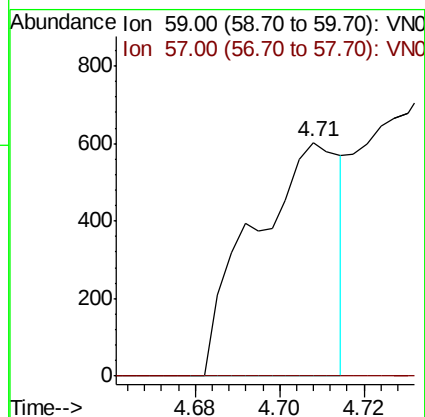
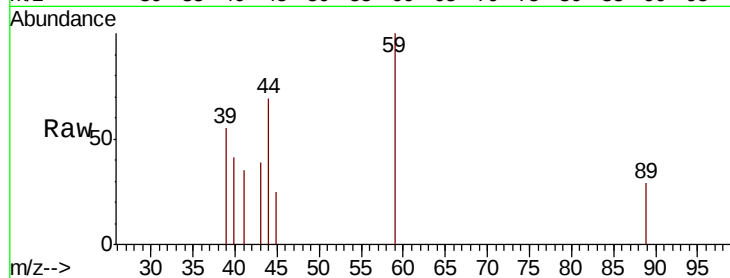
EQB-20200929

Tot Ion: 59 Resp: 856

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#16

Acetone

Concen: 3.336 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063986.D

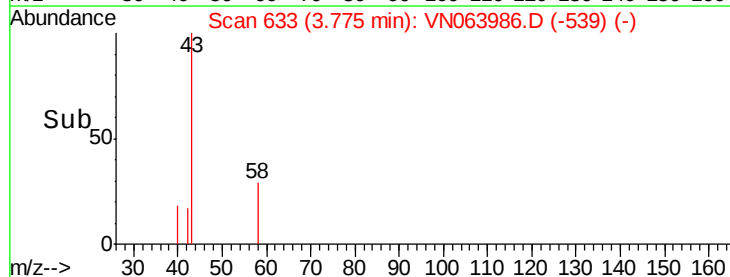
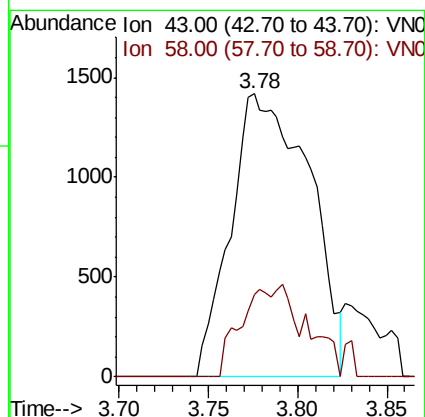
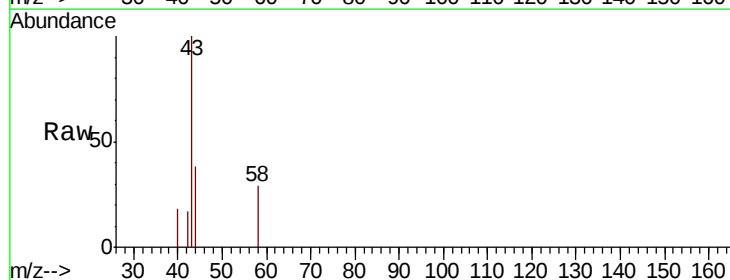
Acq: 8 Oct 2020 13:19

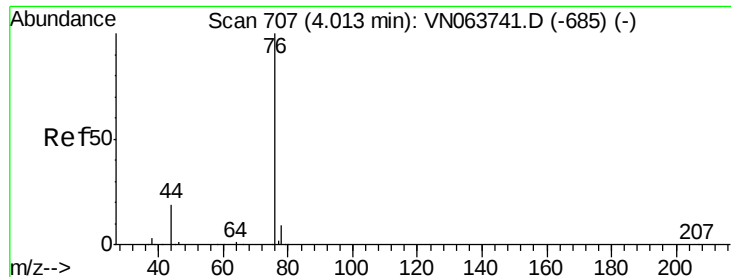
Tgt Ion: 43 Resp: 4349

Ion Ratio Lower Upper

43 100

58 29.1 22.3 33.5





#17

Carbon Disulfide

Concen: 0.876 ug/l

RT: 4.02 min Scan# 710

Delta R.T. 0.01 min

Lab File: VN063986.D

Acq: 8 Oct 2020 13:19

Instrument :

MSVOA_N

ClientSampleId :

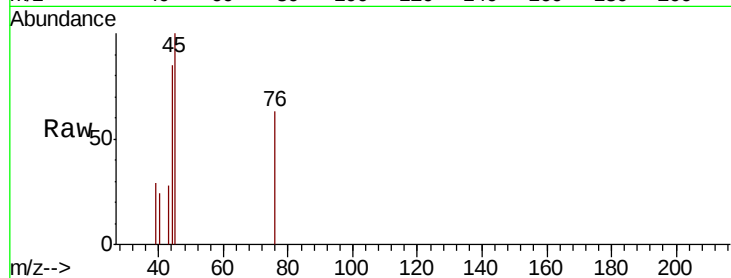
EQB-20200929

Tot Ion: 76 Resp: 1238

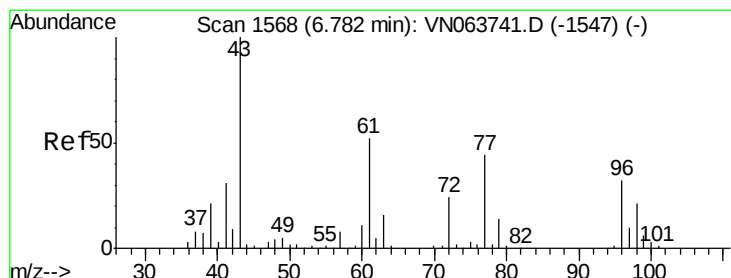
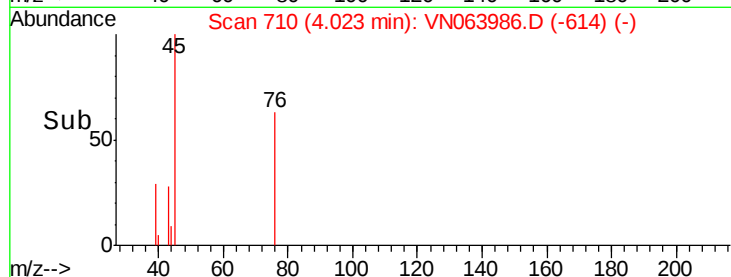
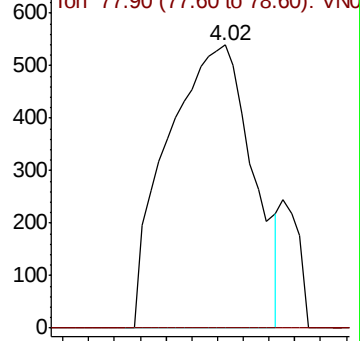
Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VN063741.D (-685) (-)



#25

2-Butanone

Concen: 0.286 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VN063986.D

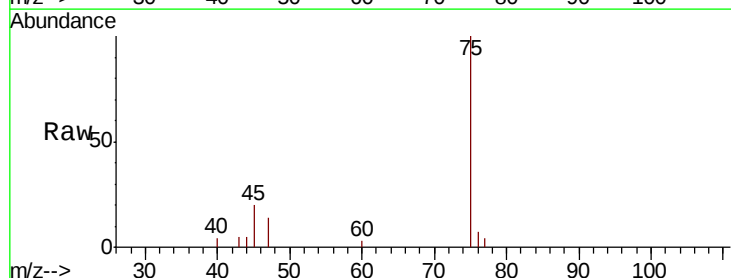
Acq: 8 Oct 2020 13:19

Tgt Ion: 43 Resp: 528

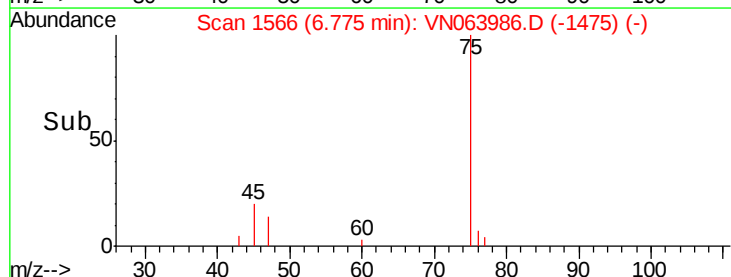
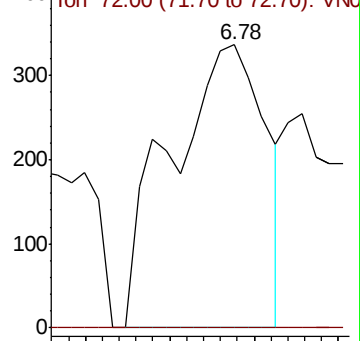
Ion Ratio Lower Upper

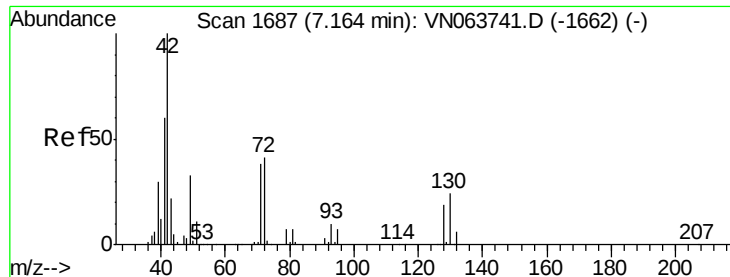
43 100

72 0.0 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-1547) (-)





#29

Tetrahydrofuran

Concen: 1.121 ug/l

RT: 7.17 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VN063986.D

Acq: 8 Oct 2020 13:19

Instrument :

MSVOA_N

ClientSampleId :

EQB-20200929

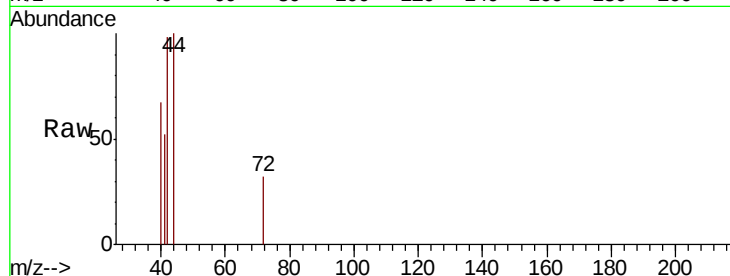
Tot Ion: 42 Resp: 1390

Ion Ratio Lower Upper

42 100

72 14.0 32.8 49.2#

71 6.5 30.6 45.8#



Abundance Ion 42.00 (41.70 to 42.70): VN063741.D (-1662) (-)

Ion 72.00 (71.70 to 72.70): VN063741.D (-1662) (-)

Ion 71.00 (70.70 to 71.70): VN063741.D (-1662) (-)

7.17

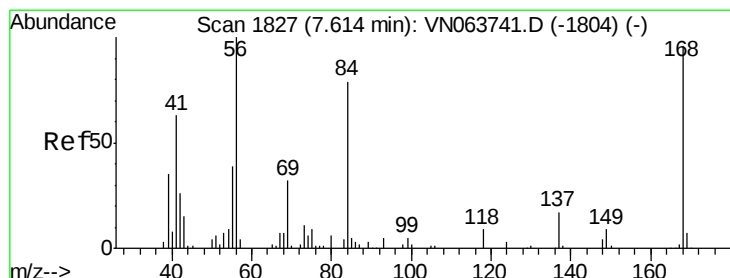
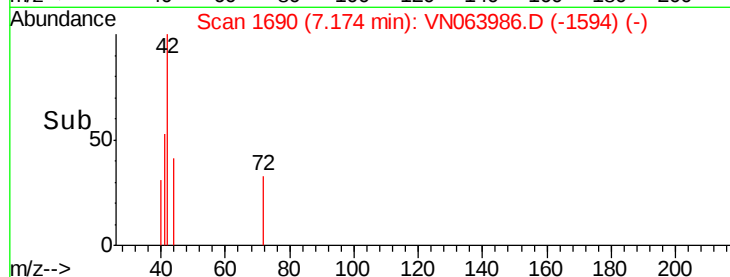
600

400

200

0

Time--> 7.10 7.15 7.20



#31

Cyclohexane

Concen: 1.362 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN063986.D

Acq: 8 Oct 2020 13:19

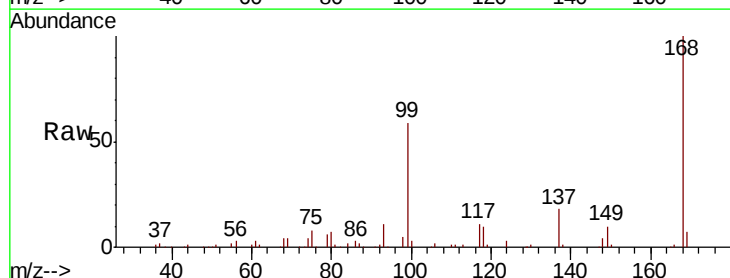
Tgt Ion: 56 Resp: 6695

Ion Ratio Lower Upper

56 100

69 164.5 25.4 38.2#

84 85.8 63.3 94.9



Abundance Ion 56.00 (55.70 to 56.70): VN063741.D (-1804) (-)

Ion 69.00 (68.70 to 69.70): VN063741.D (-1804) (-)

Ion 84.00 (83.70 to 84.70): VN063741.D (-1804) (-)

6000

5000

4000

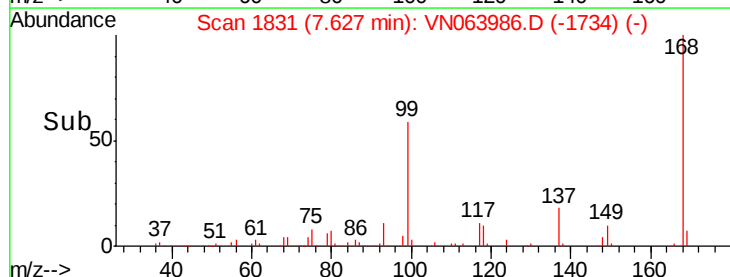
3000

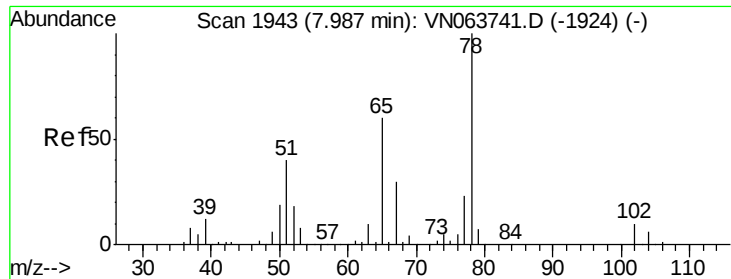
2000

1000

0

Time--> 7.55 7.60 7.65 7.70





#33

1,2-Dichloroethane-d4

Concen: 49.095 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063986.D

Acq: 8 Oct 2020 13:19

Instrument :

MSVOA_N

ClientSampleId :

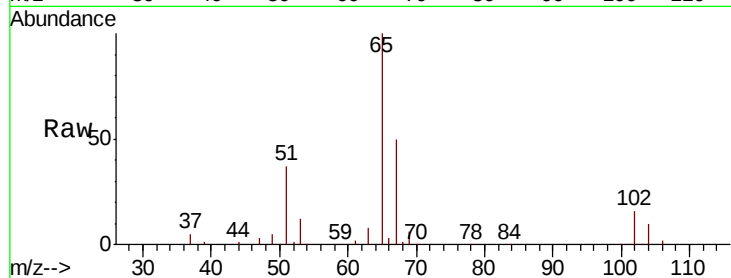
EQB-20200929

Tot Ion: 65 Resp: 207919

Ion Ratio Lower Upper

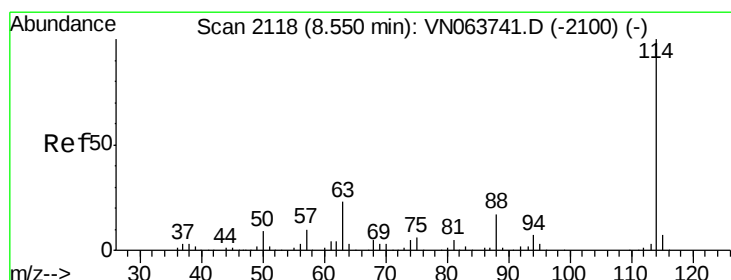
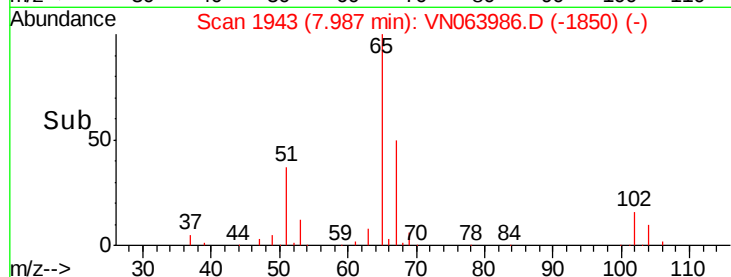
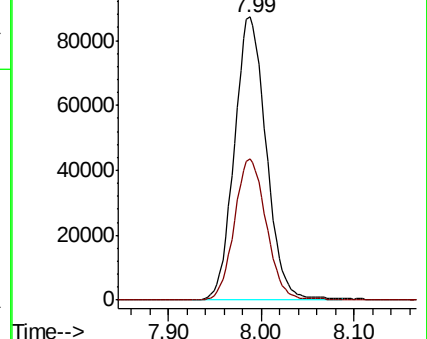
65 100

67 49.7 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN063986.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN063986.D (-1850) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063986.D

Acq: 8 Oct 2020 13:19

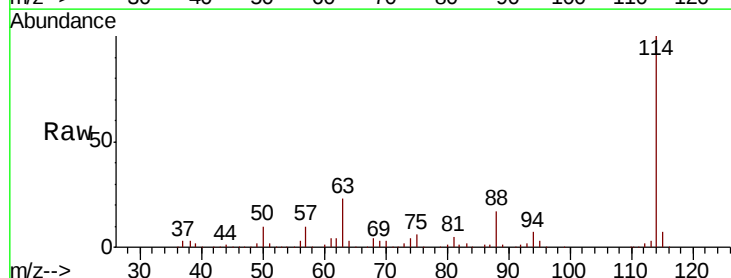
Tgt Ion: 114 Resp: 454778

Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.0

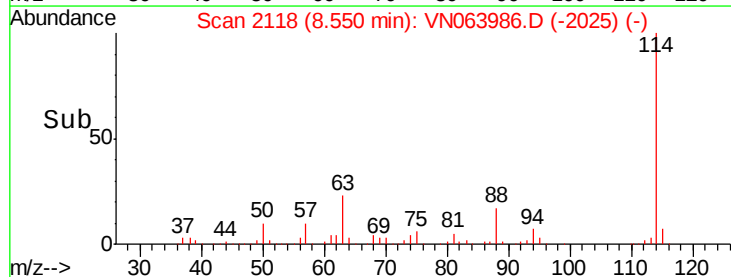
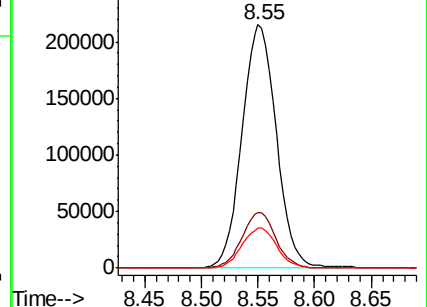
88 16.5 0.0 34.0

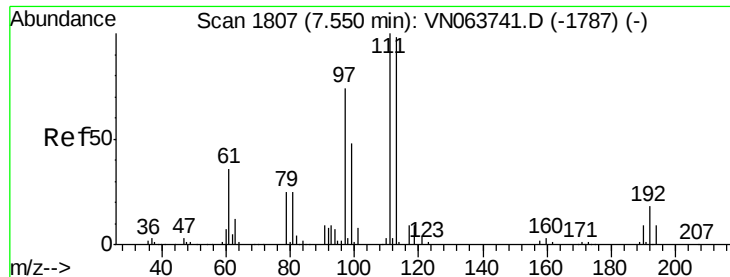


Abundance Ion 113.90 (113.60 to 114.60): VN063986.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN063986.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN063986.D (-2025) (-)

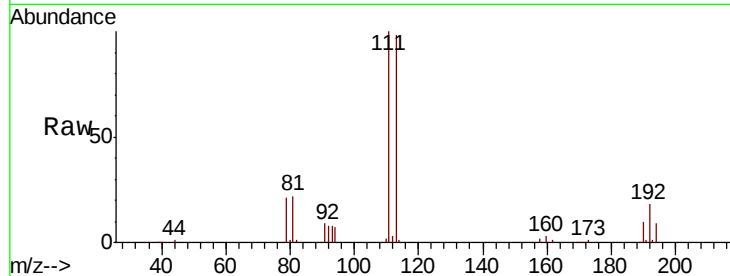




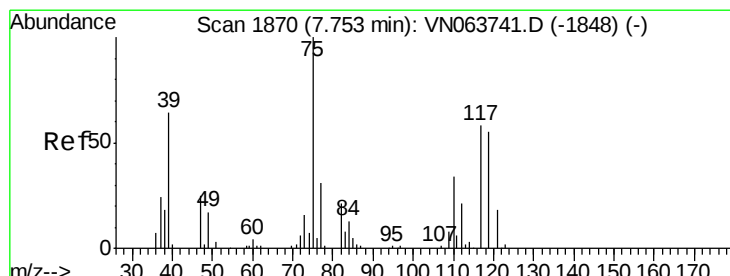
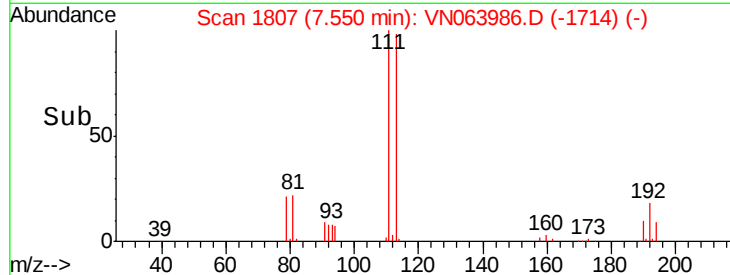
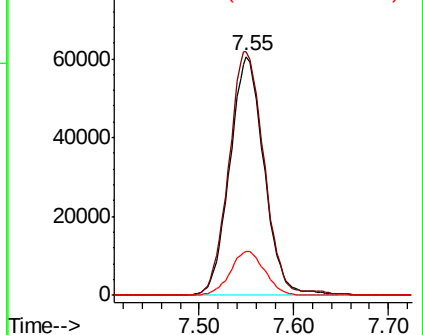
#35
 Dibromofluoromethane
 Concen: 48.308 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063986.D
 Acq: 8 Oct 2020 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 EQB-20200929

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.8	122.8
192	18.6	14.2	21.2

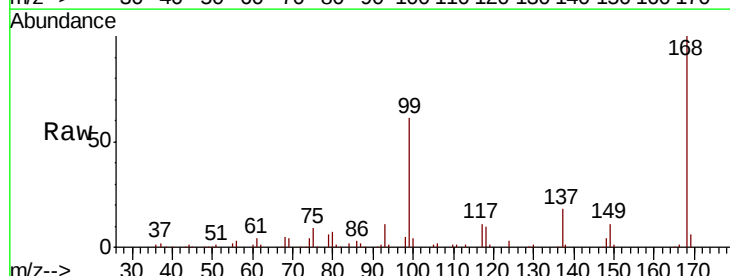


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

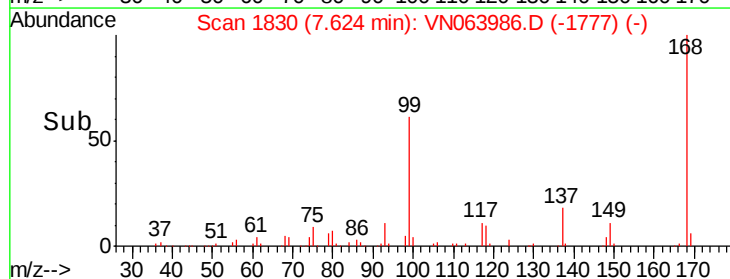
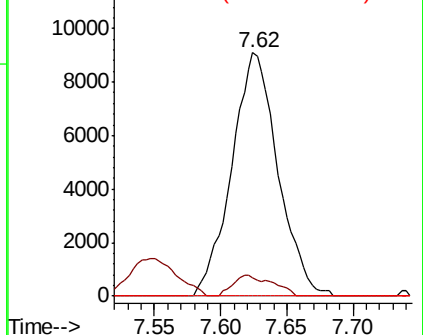


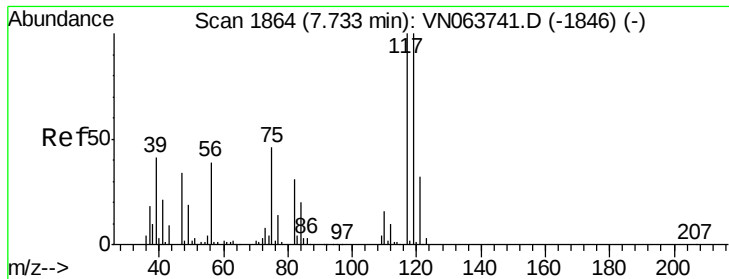
#36
 1,1-Dichloropropene
 Concen: 4.783 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063986.D
 Acq: 8 Oct 2020 13:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.3	16.9	50.6#
77	0.0	24.5	36.7#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

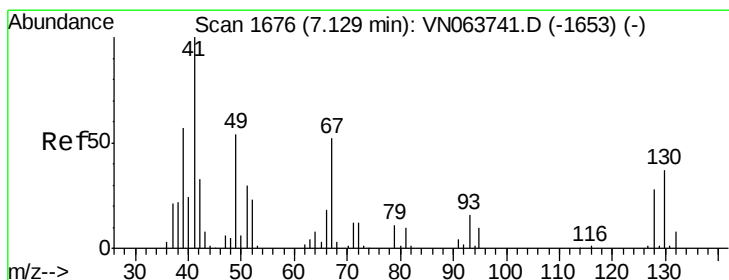
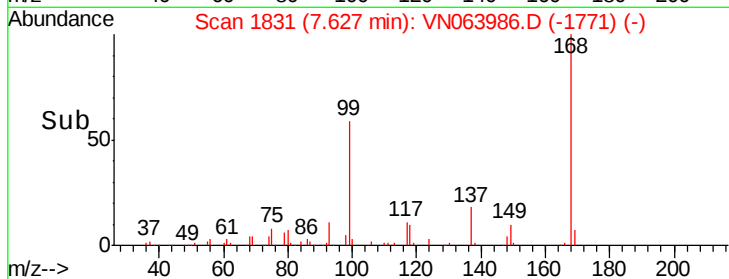
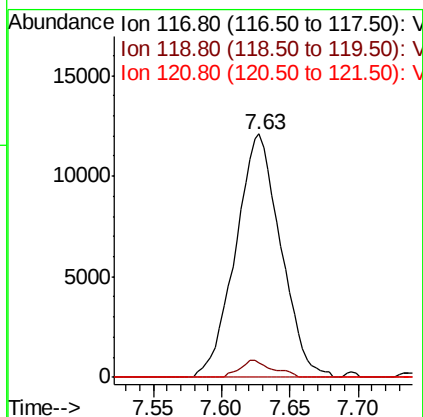
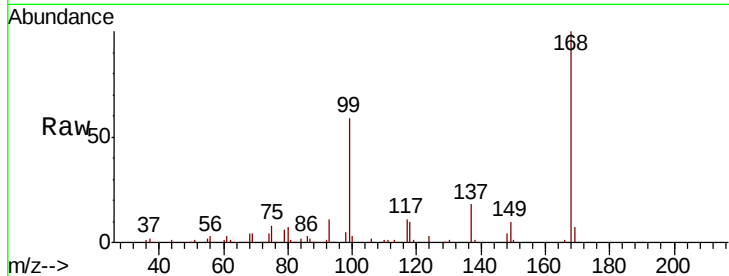




#38
Carbon Tetrachloride
Concen: 5.366 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN063986.D
Acq: 8 Oct 2020 13:19

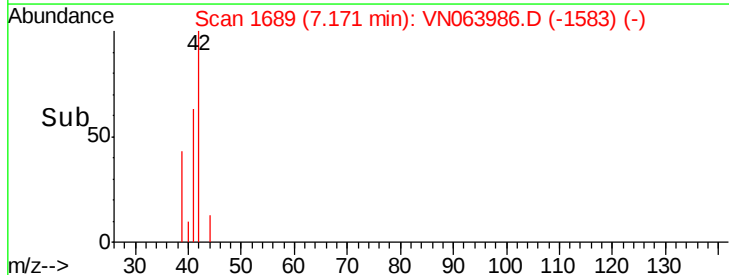
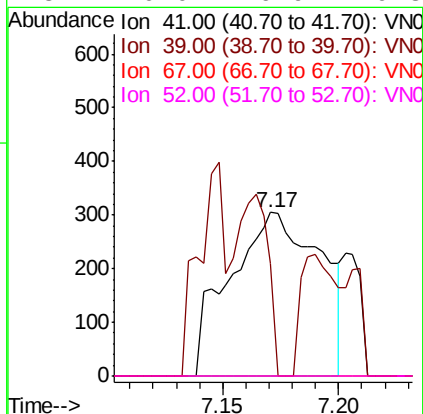
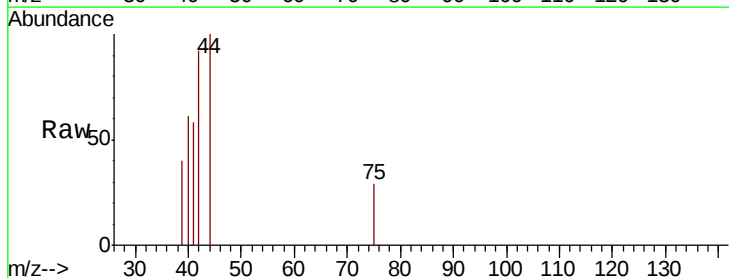
Instrument :
MSVOA_N
ClientSampleId :
EQB-20200929

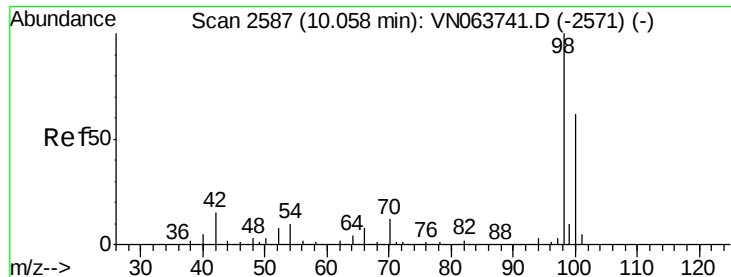
Tot Ion:117 Resp: 27725
Ion Ratio Lower Upper
117 100
119 6.2 80.1 120.1#
121 0.0 25.7 38.5#



#41
Methacrylonitrile
Concen: 0.408 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.04 min
Lab File: VN063986.D
Acq: 8 Oct 2020 13:19

Tgt Ion: 41 Resp: 830
Ion Ratio Lower Upper
41 100
39 33.9 42.5 63.7#
67 0.0 57.4 86.2#
52 0.0 26.9 40.3#





#50

Toluene-d8

Concen: 48.704 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN063986.D

Acq: 8 Oct 2020 13:19

Instrument :

MSVOA_N

ClientSampleId :

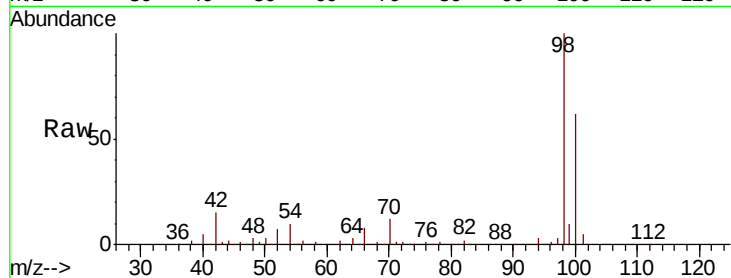
EQB-20200929

Tot Ion: 98 Resp: 582624

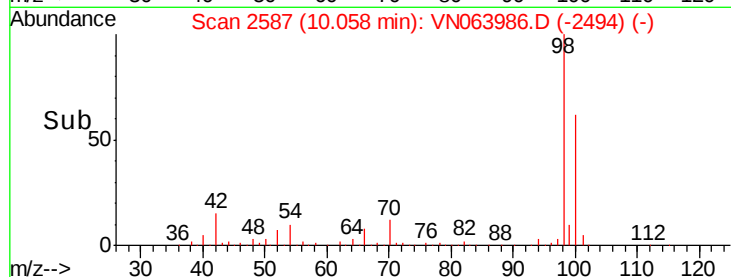
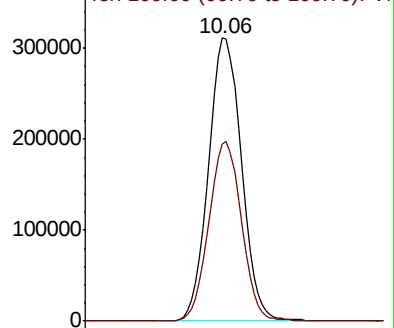
Ion Ratio Lower Upper

98 100

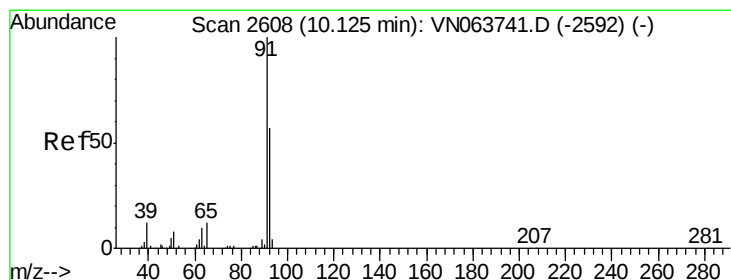
100 62.8 49.8 74.6



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



Time-->



#52

Toluene

Concen: 0.497 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063986.D

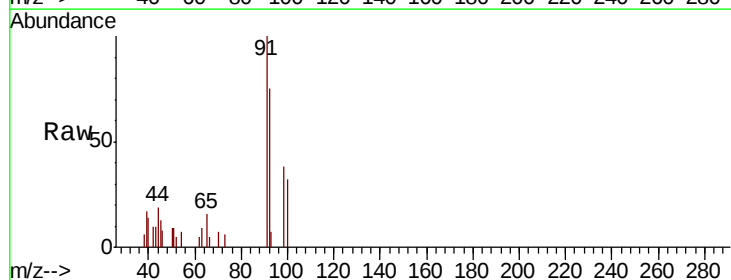
Acq: 8 Oct 2020 13:19

Tgt Ion: 92 Resp: 4045

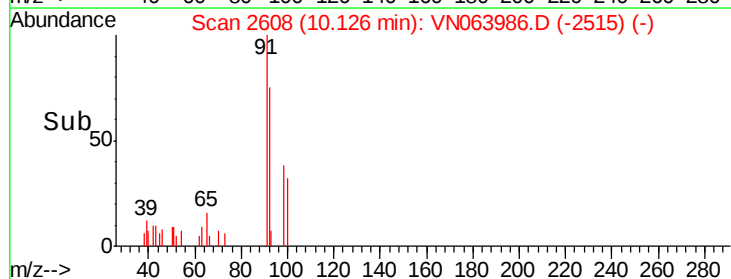
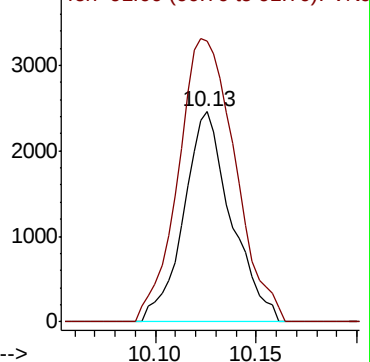
Ion Ratio Lower Upper

92 100

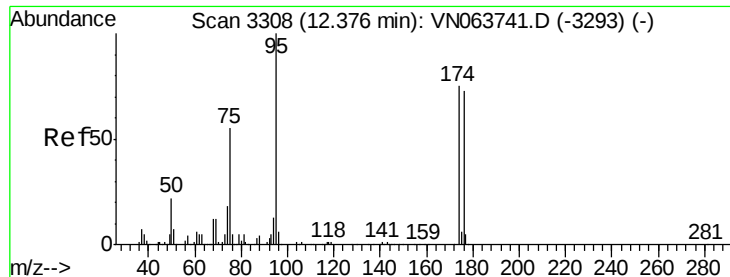
91 161.7 140.6 210.8



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



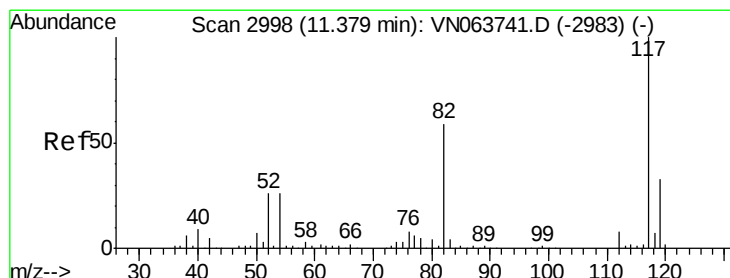
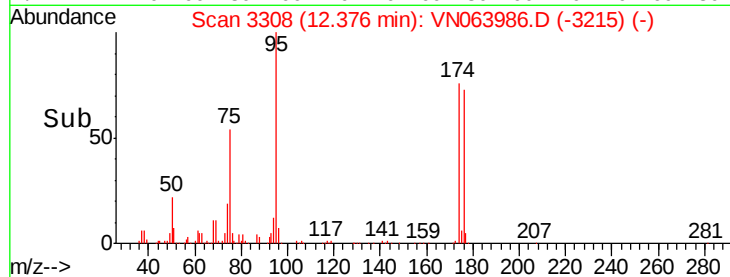
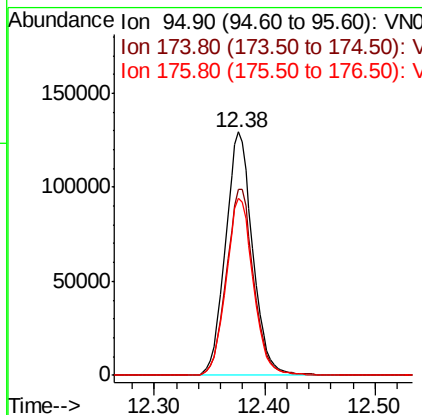
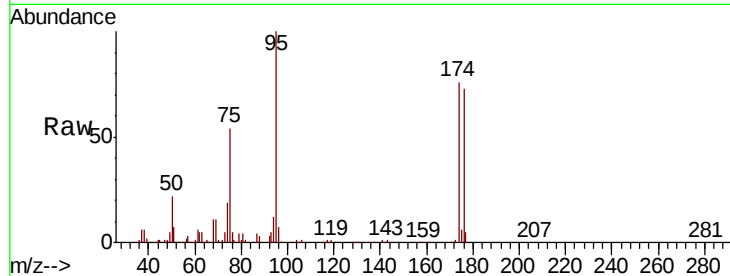
Time-->



#62
4-Bromofluorobenzene
Concen: 49.024 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063986.D
Acq: 8 Oct 2020 13:19

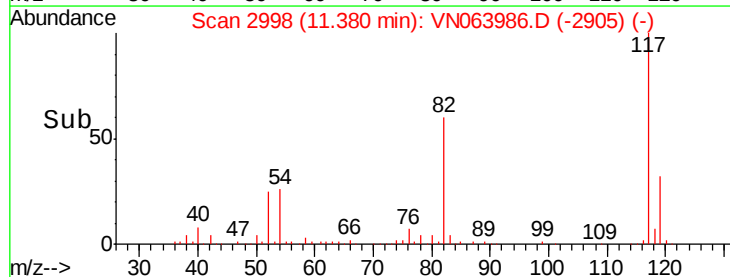
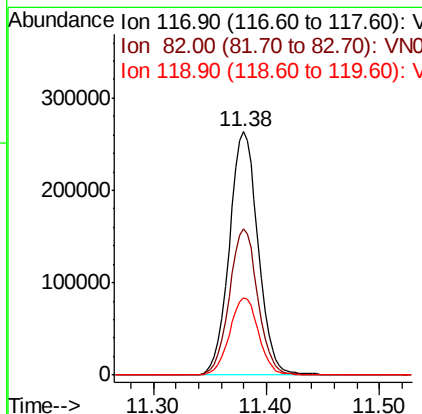
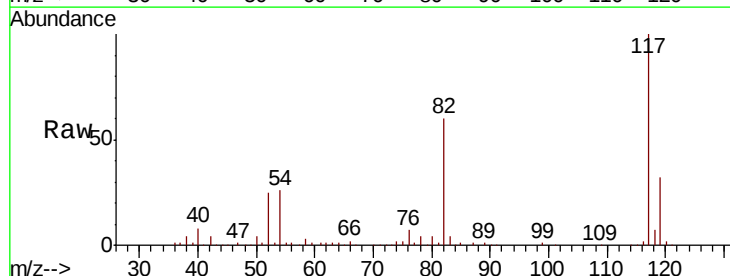
Instrument :
MSVOA_N
ClientSampleId :
EQB-20200929

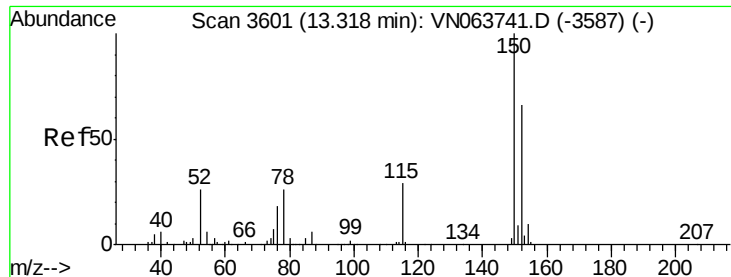
Tot Ion: 95 Resp: 220451
Ion Ratio Lower Upper
95 100
174 76.9 0.0 150.6
176 72.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063986.D
Acq: 8 Oct 2020 13:19

Tgt Ion: 117 Resp: 465710
Ion Ratio Lower Upper
117 100
82 60.0 47.4 71.2
119 31.6 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: VN063986.D

Acq: 8 Oct 2020 13:19

Instrument :

MSVOA_N

ClientSampleId :

EQB-20200929

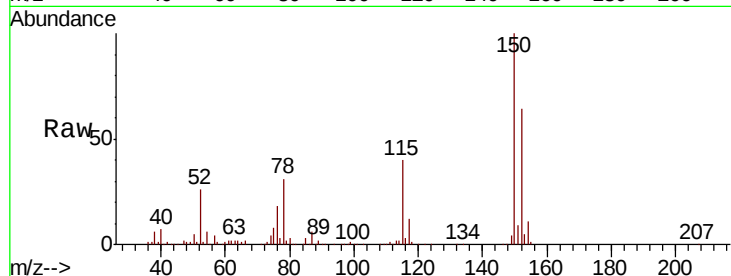
Tot Ion:152 Resp: 179784

Ion Ratio Lower Upper

152 100

115 62.0 31.3 93.8

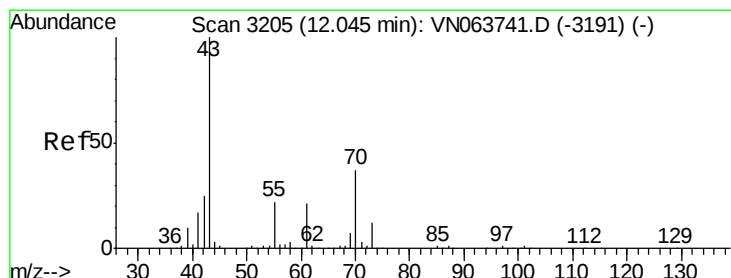
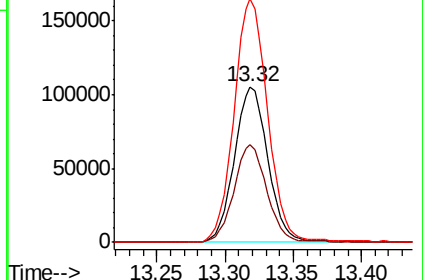
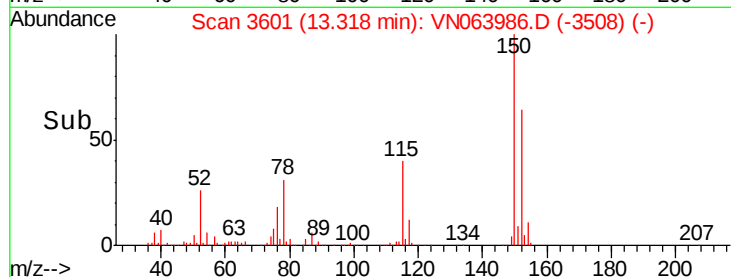
150 157.0 0.0 341.8



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: 2.246 ug/l

RT: 12.04 min Scan# 3203

Delta R.T. -0.01 min

Lab File: VN063986.D

Acq: 8 Oct 2020 13:19

Tgt Ion: 43 Resp: 189

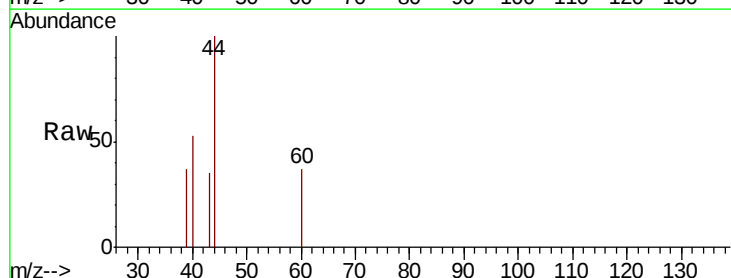
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#

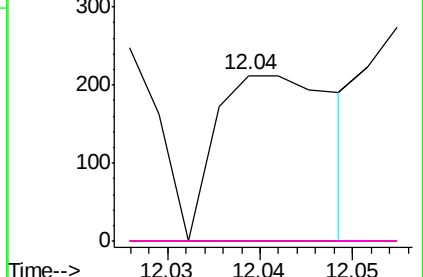
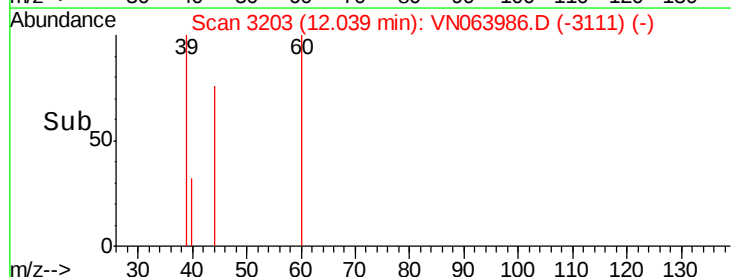


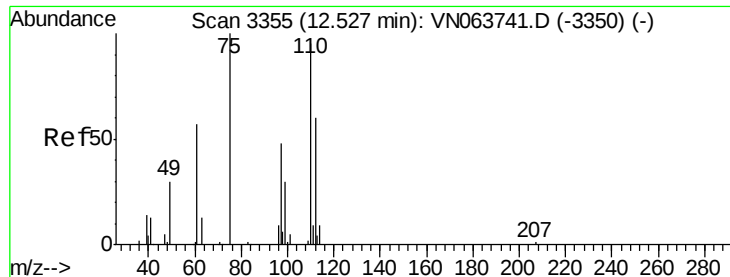
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 29.740 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063986.D

Acq: 8 Oct 2020 13:19

Instrument :

MSVOA_N

ClientSampleId :

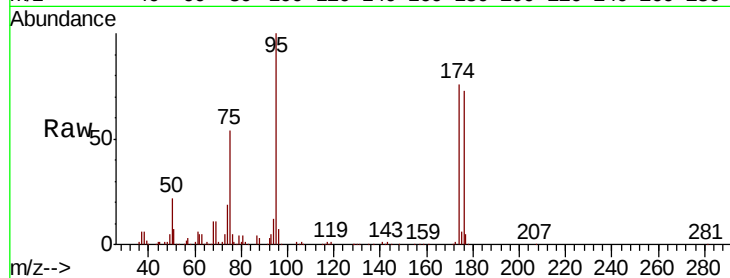
EQB-20200929

Tot Ion: 75 Resp: 117863

Ion Ratio Lower Upper

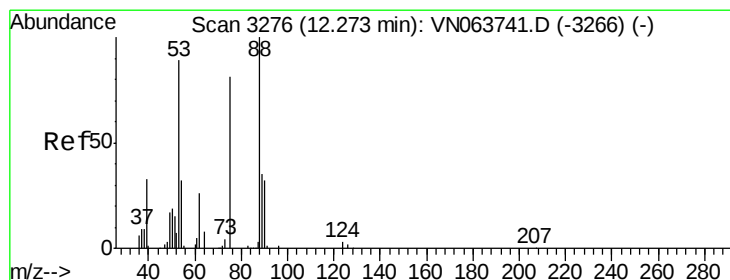
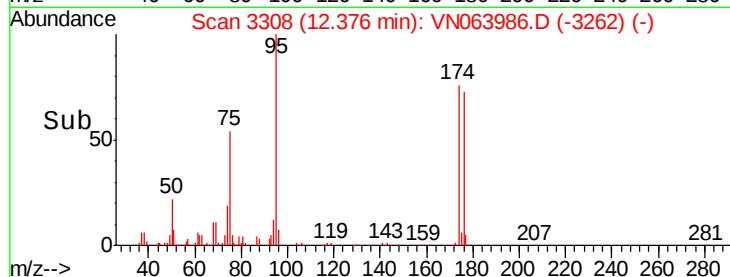
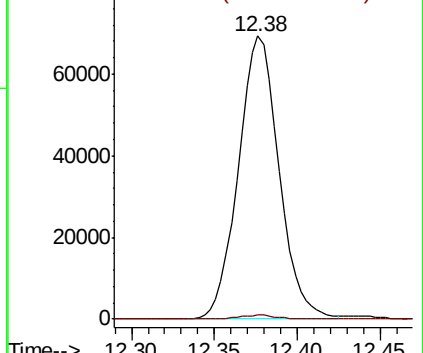
75 100

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: 85.655 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063986.D

Acq: 8 Oct 2020 13:19

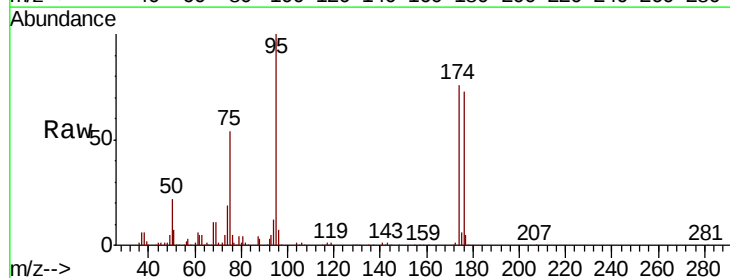
Tgt Ion: 75 Resp: 117863

Ion Ratio Lower Upper

75 100

53 0.2 88.2 132.2#

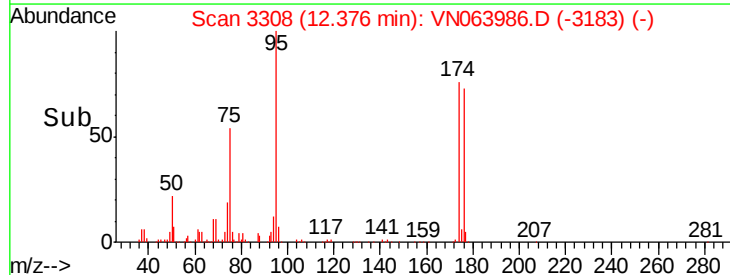
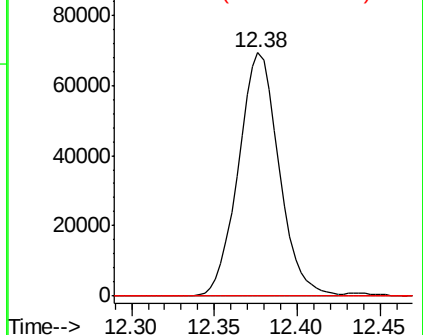
89 0.0 36.0 54.0#

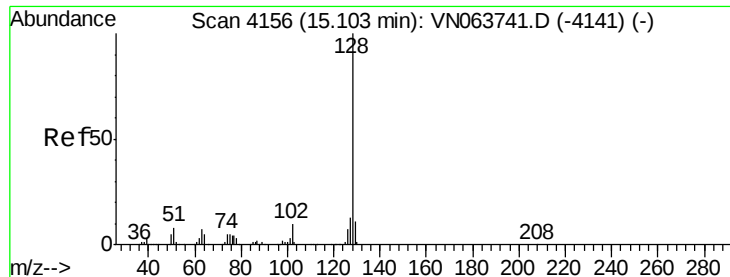


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: 1.952 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063986.D

Acq: 8 Oct 2020 13:19

Instrument :

MSVOA_N

ClientSampleId :

EQB-20200929

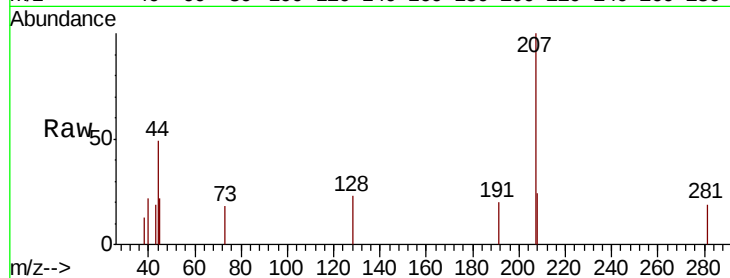
Tot Ion:128 Resp: 283

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

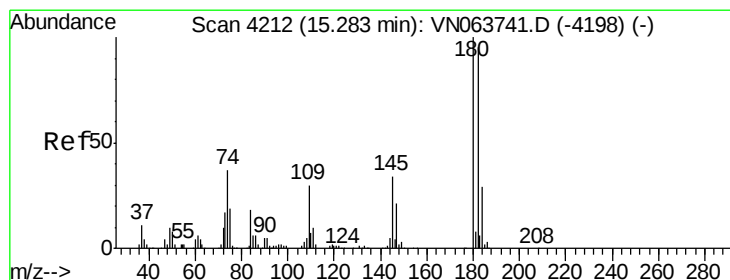
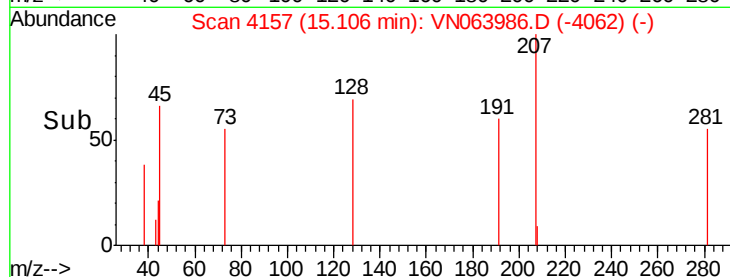
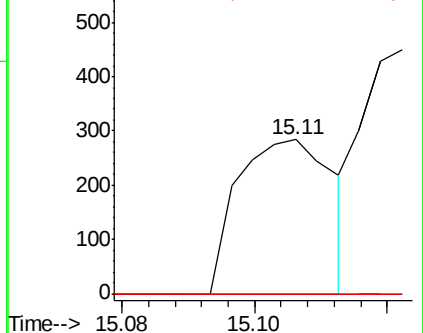
129 0.0 8.7 13.1#



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



#96

1,2,3-Trichlorobenzene

Concen: 1.578 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN063986.D

Acq: 8 Oct 2020 13:19

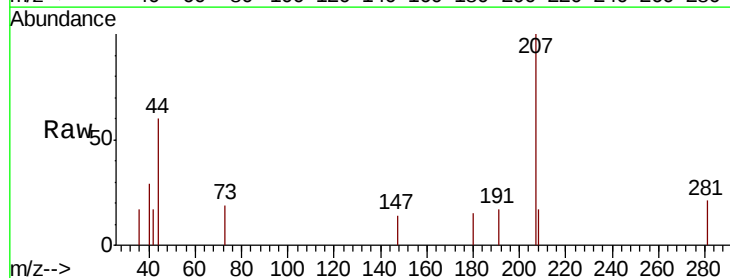
Tgt Ion:180 Resp: 31

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

